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(54) Title: NOVEL HUMAN MIRNAS FOR USE IN DIAGNOSIS, PROGNOSIS AND THERAPY OF HUMAN CONDITIONS AND DISEASES

(57) Abstract: Disclosed herein are novel compositions, methods, and systems for determining whether a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest, or determining the tissue or cell provenance of a biological sample, based on expression level of one or more of the novel miRNA and isomiR sequences disclosed herein. The compositions, methods, and systems described herein can be used to diagnose a disease or disorder, or prognose a given stage and/or progression of the disease or disorder, or determine the identity of the tissue or cell in a sample. In some embodiments, the compositions, methods, and systems described herein can be used to develop a treatment for the disease or disorder. For example, in some embodiments, the novel miRNAs can be used as therapeutics for treatment of a disease or disorder.

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NOVEL HUMAN MIRNAS FOR USE IN DIAGNOSIS, PROGNOSIS AND THERAPY OF HUMAN CONDITIONS AND DISEASES

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims benefit under 35 U.S.C. § 119(e) of the U.S. Provisional Application Nos. 61/818,777 filed May 02, 2013, 61/870,898 filed August 28, 2013, 61/901,989 filed November 08, 2013, the contents each of which are incorporated herein by reference in their entireties.

GOVERNMENT SUPPORT

[0002] This invention was made with government support under grant No. 2U19-AI056363-06/2030984, awarded by the National Institutes of Health. The U.S. government has certain rights in the invention.

SEQUENCE LISTING

[0003] The instant application contains a Sequence Listing which has been submitted in ASCII format via EFS-Web and is hereby incorporated by reference in its entirety. Said ASCII copy, created on May 2, 2014, is named 77983PCT.txt and is 8,071,491 bytes in size.

TECHNICAL FIELD

[0004] Provided herein relates to methods and compositions for determining a cellular state or a tissue state of a biological sample, or the tissue or cell provenance of a biological sample. Specifically, some embodiments of the methods described herein can be used to diagnose or prognose for a given stage of a disease, e.g., cancer, or disorder, in a subject. Other embodiments can be used to determine the tissue or cell type from which a biological sample was obtained.

BACKGROUND

[0005] MicroRNAs (miRNAs) are an abundant class of short non-coding RNAs (ncRNAs), ~22 nucleotides (nts) in length, which play a significant role in the regulation of gene expression. Bartel, D.P., Cell, 2004, 116(2): 281-97; Bartel, D.P., Cell, 2009, 136(2): 215-33. The first animal miRNA, lin-4, was discovered accidentally during a genetic screen in *Caenorhabditis elegans* (*C. elegans*) where it was previously reported to repress the expression of a protein-coding gene lin-14. Ambros, V., Cell, 1989, 57(1): 49-57; Ruvkun, G. and J. Giusto, Nature, 1989, 338(6213): 313-19. Down-regulation of lin-14 led to a change in pattern formation in C. elegans larvae. In 2000, a second

miRNA, let-7, was reported to be an important miRNA in C. elegans development. Reinhart, B.J., et al., Nature, 2000, 403(6772): 901-6. Other miRNAs have been previously reported in various species, including worms, flies, and mammals. See, e.g., Chang, S., et al., Nature, 2004, 430(7001): 785-89; Johnston, R.J. and O. Hobert, Nature, 2003, 426(6968): p. 845-49; Brennecke, J. and S.M. Cohen, Genome Biol, 2003, 4(9): 228. See also the miRNA database accessible online at www.mirbase.org. Currently, more than two thousand miRNAs are known for the human genome and contained in miRBase Release 19. Griffiths-Jones, S., Nucleic Acids Research, 2006, 34(90001): D140-D144.

[0006] MiRNAs interact with their target RNAs in a sequence-dependent manner. Miranda, K.C., et al., Cell, 2006, 126(6): 1203-1217; Bartel, D.P., Cell, 2004, 116(2): 281-297; Bartel, D.P., Cell, 2009, 136(2): 215-233; Rigoutsos, I., Cancer Research, 2009, 69(8): 3245-3248. MiRNAs can function as post-transcriptional regulators of gene expression. In mammals, over 90% of all protein-coding genes are generally believed to be regulated by miRNAs. Miranda, K.C., et al., Cell, 2006, 126(6): 1203-1217. Even though the entire miRNA sequence can bind to the mRNA target, the sequence spanning positions 2-7 inclusive from the 5′ end of a miRNA, known as the "seed," is previously reported to be important for target determination and coupling. Bartel, D.P., Cell, 2004, 116(2): 281-97; Reinhart, B.J., et al., Nature, 2000, 403(6772): 901-06; Lee, R.C. et al., Cell, 1993, 75(5): 843-854; Wightman, B., et al., Cell, 1993, 75(5): 855-862; Tay, Y., et al., Nature, 2008, 455(7216): 1124-1128; Brodersen, P., Nat Rev Mol Cell Biol, 2009. 10(2): 141-48; Lal, A., et al., Mol Cell, 2009, 35(5): 610-25; Rigoutsos, I. and Tsirigos, A., in MicroRNAs in Development and Cancer Molecular Medicine and Medicinal Chemistry Ch.10, ed. F.J. Slack. Vol. 1, 2010: Imperial College Press; Xia, Z., et al., Sci Rep, 2012, 2: 569. Originally it was assumed that the presence of the reverse complement of the seed in mRNAs was both a sufficient and necessary condition for targeting. Bartel, D.P., Cell, 2009, 136(2): 215-233. However, genetic studies and numerous subsequent efforts showed miRNA functionality in the presence of inexact matches and/or bulges in the seed region. Wightman, B., et al. Cell, 1993, 75(5): 855-862; Tay, Y., et al., Nature, 2008, 455(7216): 1124-1128; Lal, A., et al., Mol Cell, 2009, 35(5): 610-25; Ha, I. et al., Genes Dev, 1996. 10(23): p. 3041-50; Vella, M.C., et al., Genes Dev, 2004. 18(2): 132-37; Farh, K.K., et al., Science, 2005, 310(5755): 1817-21; Stark, A., et al., Cell, 2005, 123(6): 1133-46; Didiano, D. and Hobert O., Nat Struct Mol Biol, 2006. 13(9): 849-51; Easow, G. et al., RNA, 2007, 13(8): 1198-204; Baek, D., et al., Nature, 2008, 455(7209): 64-71; Selbach, M., et al., Nature, 2008. 455(7209): 58-63; Chi, S.W., et al., Nature, 2009, 460(7254): 479-86; Fabian, M.R. et al., Annu Rev Biochem, 2010, 79: 351-79; Hafner, M., et al., Cell, 2010, 141(1): 129-41; Thomas, M., Nat Struct Mol Biol, 2010, 17(10): 1169-74; Zisoulis, D.G., et al., Nat Struct Mol Biol, 2010. 17(2): 173-79; Chi, S.W. et al., Nat Struct Mol Biol, 2012. 19(3): 321-27; Skalsky, R.L., et al., PLoS Pathog, 2012. 8(1): e1002484.

The importance of such inexact matches has been previously reported to have direct relevance to answering the question of how many targets a miRNA can have.

[0007] The role of microRNAs was shown in previous reports where miR-15a and miR-16 are down-regulated or deleted in most patients with chronic lymphocytic leukemia (CLL). Calin, G.A., et al., Proc Natl Acad Sci U S A, 2002, 99(24): 15524-9; Calin, G.A. and Croce, C.M., Blood, 2009, 114(23): 4761-4770. MiRNAs have also been reported to be involved in many fundamental biological processes. Lee, R.C. et al., Cell, 1993, 75(5): 843-854; Wightman, B. et al., Cell, 1993, 75(5): 855-862; Tay, Y., et al., Nature, 2008, 455(7216): 1124-1128; Ha, I. et al., Genes & Development, 1996, 10(23): 3041-3050; Ruvkun, G., et al., Nature, 2000. 403(6772): 901-906; Didiano, D. and Hobert, O., RNA, 2008. 14(7): 1297-1317. Previous reports have also showed miRNA connections to cardiovascular disease (Small, E.M. et al., Circulation, 2010. 121(8): 1022-1032; Small, E.M. and Olson, E.N. Nature, 2011. 469(7330): 336-342), immunity (Taganov, K.D. et al., Immunity, 2007. 26(2): 133-137), schizophrenia (Perkins, D.O., et al., microRNA expression in the prefrontal cortex of individuals with schizophrenia and schizoaffective disorder. Genome Biology, 2007. 8(2): R27), brain processes (Liu, X., et al., Brain Pathol, 2008. 18(1): 113-21; Wang, Y., et al., Front Biosci, 2007. 12: 2316-29), neurodegeneration (Wang, W.-X., et al., Journal of Neuroscience, 2008. 28(5): 1213-1223; Wang, W.-X., et al., The American journal of pathology, 2010. 177(1): 334-345; Abelson, J.F., et al., Science, 2005. 310(5746): 317-320), Alzheimer's and brain aging (Nelson, P.T. et al., Brain Pathol, 2008, 18(1): p. 130-8; Hebert, S.S. and De Strooper, B., Trends Neurosci, 2009. 32(4): 199-206; Ibanez-Ventoso, C. and Driscoll, M. Curr Genomics, 2009. 10(3): 144-53; Somel, M., et al., Genome Res, 2010. 20(9): 1207-18), and other conditions (Small, E.M. and Olson, E.N., Nature, 2011, 469(7330): 336-342; Mendell, J.T., Cell, 2008. 133(2): 217-222; Vasilescu, C., et al., PLoS ONE, 2009. 4(10): e7405; Williams, A.H., et al., Science, 2009. 326(5959): 1549-1554. Further, many miRNAs are also linked to cancers (Calin, G.A., et al., Proc Natl Acad Sci U S A, 2002, 99(24): 15524-9; Calin, G.A. and Croce, C.M. Blood, 2009. 114(23): 4761-4770; Esquela-Kerscher, A. and Slack, F.J., Nature Reviews Cancer, 2006. 6(4): 259-269; Hammond, S.M., Nature Genetics. 2007, 39: 582-583; Poliseno, L., et al., Supplement. Nature, 2010. 465(7301): p. 1-19), invasion and metastasis (Ma, L., et al., Nature, 2007. 449(7163): 682-688), and exhibit tissue- and cell-state-dependent profiles (Calin, G.A. and Croce, C.M., Cancer Research, 2006. 66(15): 7390-7394; Lu, M., et al., PLoS ONE, 2008. 3(10): e3420; Godshalk, S.E., et al., Oncogene, 2011, 30: 1542-50; Ryan, B.M. et al., Nature Reviews Cancer, 2010, 10(6): 389-402; Saey, T., Science News, 2010, "Cancer's little helpers: Tiny pieces of RNA may turn cells to the dark side"; Spizzo, R., et al., Cell, 2009, 137(3): 586-586.e1; Ventura, A. and Jacks, T., Cell, 2009. 136(4): 586-591; Voorhoeve, P.M. and Agami, R., Cancer, 2007, 1775(2): 274-282). The prevalence of miRNA-driven regulatory interactions across a very wide spectrum of human

conditions and diseases makes the question of how many miRNAs existing a very important one. Recent advances in next generation sequencing have further complicated the picture by revealing that multiple distinct mature miRNA species can arise from the same miRNA precursor arm: these mature miRNAs are termed "isomiRs." These isomiRs typically differ from the mature miRNA sequences currently in public databases such as miRBase (Griffiths-Jones S. 2006. Nucleic Acids Res 34(90001): D140-D144) on either their 5′ or 3′ ends thereby increasing the diversity and complexity of the miRNA-ome. While the biological relevance of isomiRs is not fully understood, they have been shown to associate with the Argonaute complex (Ameres SL, Zamore PD. 2013. Nat Rev Mol Cell Biol: 1-14) which in turn suggests a functional role. Recent studies of isomiR expression have either focused on isomiRs of a single miRNA or on the isomiR expression patterns within a specific tissue. For example, a 5′-isomiR of miR-101 was observed to be ubiquitously expressed in several human tissues and cell lines (Llorens et al., 2013. BMC Genomics 14: 104). There is a continuous demand for more accurate diagnostic and prognostic tools and improved therapies. As such, there is still a need to identify novel miRNA and isomiR sequences that can be used for diagnosis, prognosis, and therapy of human conditions or diseases or to identify the provenance (tissue or cell) of a biological sample.

SUMMARY

[0008] There is a need to identify novel miRNA sequences that provide more accurate or reliable diagnostic and/or prognostic tools and/or improved therapies or can be used to determine the origin of a biological sample. To this end, inventors analyzed about 1,367 next generation sequencing datasets (RNA-sequencing and Argonaute cross-linking and immunoprecipitation (CLIP)-sequencing) corresponding to human normal and disease states from 13 distinct tissue types (from a total of approximately 200 human tissue types) and discovered at least tens of thousands of novel miRNAs as disclosed herein: each of the novel miRNAs has an associated false discovery rate (FDR) of 0.05 or lower.

[0009] By analyzing a large collection of next generation sequencing datasets, the inventors have discovered numerous novel human miRNAs and variants thereof. For a large fraction of these novel miRNAs, the inventors have additional corroborating evidence, through the analysis of CLIP-sequencing datasets, that they are loaded on Argonaute, which provides further credence to their bona fide miRNA nature.

[00010] In addition, by analyzing short RNA sequence profiles of deep sequenced biological samples of various human tissues and/or cell types, the inventors have discovered that the actual instance of the mature miRNA product that arises from a given miRNA locus and is detected in a given cell or tissue context can be different from the instance of the mature miRNA product that

arises from the same miRNA locus in a different cell or tissue context, and this finding has been observed for many of the miRNAs currently in miRBase, which is a public repository of miRNA sequences for vertebrates, invertebrates, viruses, and plants. Accordingly, these tissue and/or cell-type dependence correlation of the novel miRNAs described herein can be used to determine tissue of origin in samples of interest. Additionally or alternatively, the tissue/cell-type dependence of the novel miRNAs described herein can also be used to determine cell state, disease type, disease stage, etc.

[00011] Accordingly, these novel miRNAs described herein can be used in various applications, e.g., to generate novel molecular signatures for cell types, cell states, disease, disease stage, disease progression, etc. They can also be used to identify novel and unexpected molecular players in cellular contexts of interest and also to reveal unexpected molecular interplays that underlie the onset and progression of diseases. Further, the novel miRNAs described herein can provide novel and improved means for therapeutic interventions. Accordingly, provided herein relates to methods, compositions, assays and systems for determining a given state of a cell and/or a tissue, which can be used for diagnosing a disease or disorder, and/or prognosing a given stage and/or progression of a disease or disorder, and/or treating a disease or disorder.

[00012] In one aspect, provided herein relates to methods or assays of determining a given state of a cell and/or a tissue. The method or assay comprises detecting in a biological sample the presence or absence of one or more miRNAs described herein. In some embodiments, the biological sample can be derived from a subject suspected of being at risk of or having a given stage of a disease or disorder. Accordingly, methods or assays described herein can also be used to determine whether a subject has, or is at risk of developing, or is at a given stage of a disease or disorder, e.g., a condition afflicting a tissue of interest. In one embodiment, the condition afflicting a tissue of interest includes cancer.

[00013] In some embodiments, the method or assay described herein can comprise detecting in the biological sample the presence or absence of a plurality of the miRNAs described herein.

[00014] In some embodiments of the methods or assays described herein, detection of the presence or absence of at least one of the novel miRNAs described herein can include measuring an expression level of the miRNA of interest in the biological sample. The expression level of the miRNA of interest can be detected by any methods known in the art, including, but not limited to, sequencing, next-generation sequencing (e.g., deep sequencing), polymerase chain reaction (PCR), and real-time quantitative PCR, northern blot, microarray, *in situ* hybridization, serial analysis of gene expression (SAGE), cap analysis gene expression (CAGE), massively parallel signature sequencing (MPSS), direct multiplexed measurements of the type employed in the Nanostring platform, and any combinations thereof. In such embodiments, the methods or assays can further

comprise comparing with a reference sample the determined expression level of the miRNA of interest in the biological sample. When there is a discrepancy in the expression level or amount of at least one miRNA molecule between the biological sample and the reference sample, the discrepancy can be indicative of the cell or the tissue in a state different from the reference sample. For example, in some embodiments, the discrepancy can be indicative of a subject either having, or being at risk of developing, or being at a given stage of a disease or disorder, e.g., a condition afflicting the tissue. In alternative embodiments, the discrepancy can be indicative of a subject lacking of a disease or disorder to be evaluated.

[00015] The reference sample used in the methods, assays and systems described herein can be a sample derived from the same type of cell or tissue with a known condition. For example, the reference sample can represent a normal condition of a cell or tissue to be detected. The normal reference sample can be obtained from the test subject or a different subject. Alternatively, the reference sample can represent a recognizable stage of a possibly abnormal condition of a cell or a tissue to be detected.

[00016] A biological sample for evaluation in the methods, assays, and systems described herein can include one or more cells derived from any tissue or fluid in a subject. In one embodiment, the biological sample can be a tissue suspected of being at risk of, or being afflicted with a given stage of a disease or a disorder. Non-limiting examples of sample origins can include, but are not limited to, breast, pancreas, blood, prostate, colon, lung, skin, brain, ovary, kidney, oral cavity, throat, cerebrospinal fluid, and liver.

[00017] Different embodiments of the methods, assays and systems described herein can be used for diagnosis and/or prognosis of a disease or disorder (including a given stage of a disease or disorder) in a subject, e.g., a disease or disorder afflicting a certain tissue in a subject. For example, the disease or disorder to be diagnosed and/or prognosed in a subject can be associated with breast, pancreas, blood, prostate, colon, lung, skin, brain, ovary, kidney, oral cavity, throat, cerebrospinal fluid, liver, and any combination thereof. In some embodiments, the disease or disorder to be diagnosed and/or prognosed with the methods, assays or systems described herein can be a blood disorder, e.g., associated with diseased or abnormal platelets. In other embodiments, the disease or disorder to be diagnosed and/or prognosed with the methods, assays or systems described herein can be any cancer, e.g., but not limited to breast cancer and pancreatic cancer.

[00018] For a subject who is determined to have, or is at risk of developing, or is at a given stage of the disease or disorder, the subject can be administered or prescribed with a specific treatment. For example, in some embodiments where the subject is diagnosed with cancer (e.g., breast carcinoma or pancreatic carcinoma) or progression thereof, the method can further comprise administering or prescribing the subject a treatment, e.g., chemotherapy, radiation therapy, surgery,

engineered transcripts that can "sponge" various combinations of the novel miRNAs described herein, or any combinations thereof.

[00019] Another aspect provided herein relates to systems for analyzing a biological sample, e.g., to determine a given state of a cell or a tissue, and/or to diagnose and/or prognose a disease or disorder, or a given state of a disease or disorder in a subject. In one embodiment, the system comprises: (a) a determination module configured to receive a biological sample and to determine sequence information and, optionally quantity estimate information, wherein the sequence information comprises a sequence of one or more miRNAs described herein; and wherein the quantity estimate information comprises at least an estimate of the abundance of said sequence, with said abundance optionally scaled with regard to the abundance of a reference molecule; (b) a storage device configured to store sequence information and optionally the quantity estimate information from the determination module; (c) a comparison module adapted to compare the sequence information and optionally the quantity estimate information stored on the storage device with reference data, and to provide a comparison result, wherein the comparison result identifies the presence or absence of the miRNA molecule, and optionally how its quantity estimate is related to the reference data, wherein a discrepancy in a quantity estimate level is indicative of the biological sample having an increased likelihood of having, or being at a cellular or tissue state different from a state represented by the reference data; and (d) a display module for displaying a content based in part on the comparison result for the user, wherein the content is a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of lacking a disease or disorder.

[00020] A computer-readable physical medium for determination of a given state of a cell or a tissue, including diagnosis and/or prognosis of a disease or disorder, or a state of a disease or disorder in a subject, is also provided herein. The computer-readable physical medium having computer readable instructions recorded thereon to define software modules includes a comparison module and a display module for implementing a method on a computer, wherein the method comprises: (a) comparing with the comparison module the data stored on a storage device with reference data to provide a comparison result, wherein the comparison result captures the presence or absence of the miRNA molecule and/or the difference between its quantity estimate and the reference data, wherein a discrepancy in a quantity estimate level is indicative of a biological sample having an increased likelihood of having, or being at a cellular or tissue state different from a state represented by the reference data; and (b) a display module for displaying a content based in part on the comparison result for the user, wherein the content is a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of lack of a disease or disorder.

[00021] In some embodiments, kits and/or assays for expressing, silencing, and/or quantitating one or more of the novel miRNAs described herein from the model organism of choice (e.g., but not limited to, human, mouse, and rat) are also encompassed within the scope of various aspects described herein.

BRIEF DESCRIPTION OF THE FIGURES

[00022] FIGs. 1A-1B are block diagrams showing an example of a system for determining a state of a cell or a tissue and/or for diagnosing or prognosing a disease or disorder, or a stage of a disease or disorder in a subject, based on expression level of one or more novel miRNAs described herein.

[00023] FIG. 2 is a block diagram showing exemplary instructions on a computer readable medium for determining a state of a cell or a tissue and/or for diagnosing or prognosing a disease or disorder, or a stage of a disease or disorder in a subject, based on expression level of one or more novel miRNAs described herein.

[00024] FIG. 3 is a heatmap showing that the two groups of individuals with platelet antigen hyper-reactivity or hypo-reactivity have distinct miRNA/isomiR expression profiles.

[00025] FIG. 4 is a heatmap showing differential expression of novel isomiRs across human populations by ethnicities.

[00026] FIGs. 5A-5B is a heatmap showing differential expression of novel isomiRs across human populations by ethnicities and gender. FIG. 5A is based on male samples only. FIG. 5B is based on female samples only.

DETAILED DESCRIPTION OF THE INVENTION

[00027] There is a need to identify novel miRNA sequences that provide more accurate or reliable diagnostic and/or prognostic tools and/or improved therapies or provide improved tissue of origin identification. To this end, inventors analyzed 1,367 next generation sequencing datasets (RNA-sequencing and Argonaute cross-linking and immunoprecipitation (CLIP)-sequencing) corresponding to human normal and disease states from 13 distinct tissue types (from a total of approximately 200 human tissue types)) and discovered at least tens of thousands of novel miRNAs as disclosed herein: each of the novel miRNAs has an associated FDR of 0.05 or lower.

[00028] By analyzing a large collection of next generation sequencing datasets, the inventors have discovered numerous novel human miRNAs and variants thereof. For a large fraction of these novel miRNAs, the inventors have additional corroborating evidence, through the analysis of CLIP-sequencing datasets, that they are loaded on Argonaute, which provides further credence to their bona fide miRNA nature.

[00029] In addition, by analyzing short RNA sequence profiles of deep sequenced biological samples of various human tissues and/or cell types, the inventors have discovered that the actual instance of the mature miRNA product that arises from a given miRNA locus and is detected in a given cell or tissue context can be different from the instance of the mature miRNA product that arises from the same miRNA locus in a different cell or tissue context, and this finding has been observed for many of the miRNAs currently in miRBase, which is a public repository of miRNA sequences for vertebrates, invertebrates, viruses, and plants. Accordingly, these tissue and/or cell-type dependence correlation of the novel miRNAs described herein can be used to determine tissue of origin in samples of interest. Additionally or alternatively, the tissue/cell-type dependence of the novel miRNAs described herein can also be used to determine cell state, disease type, disease stage, etc.

[00030] Accordingly, these novel miRNAs described herein can be used in various applications, e.g., to generate novel molecular signatures for cell types, cell states, disease, disease stage, disease progression, etc. They can also be used to identify novel and unexpected molecular players in cellular contexts of interest and also to reveal unexpected molecular interplays that underlie the onset and progression of diseases. Further, the novel miRNAs described herein can provide novel and improved means for therapeutic interventions. Accordingly, provided herein relates to methods, compositions, assays and systems for determining a given state of a cell and/or a tissue, which can be used for diagnosing a disease or disorder, and/or prognosing a given stage and/or progression of a disease or disorder, and/or treating a disease or disorder.

Methods and assays for determining a given state of a cell or a tissue, or for determining tissue of origin

[00031] One aspect described herein provides methods and assays for determining a specific state or condition of a cell or a tissue. As the cell or tissue can be derived from a biological sample of a subject suspected of being at risk of or having a given stage of a disease or disorder, e.g., a condition afflicting a tissue, methods and assays for determining whether a subject has or is at risk of developing, or is at a given stage of a disease or disorder, e.g., a condition afflicting a tissue, are also provided herein. The methods or assays of any aspects described herein comprise measuring in a biological sample from a tissue of interest expression level of one or more miRNAs selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 disclosed in Tables 1-3. In some embodiments, the methods or assays of any aspects described herein comprise measuring in a biological sample from a tissue of interest expression level of one or more miRNAs selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 disclosed in Tables 1-3. An alteration of the level of one or more miRNAs as compared to the

level of the same miRNA sequence(s) in a reference sample is indicative of the subject either having, or being at risk of developing, or being at a given stage of the condition.

[00032] As shown in the Examples, some of the novel miRNAs/isomiRs are preferentially present in some tissues but not in other tissues. This indicats that signatures of one or more miRNAs can be used to answer the question of tissue of origin. Thus, in some embodiments, the methods and/or assays described herein can also be used to determine tissue of origin by comparing the level(s) of one or more miRNAs in the biological sample to that of reference samples of different tissues.

[00033] As used herein, the term "alteration of the level of one or more miRNAs" refers to a change in the level of one or more miRNAs in a sample relative to the corresponding level(s) in a reference sample. In some embodiments, the alteration or change in the level of one or more miRNAs can refer to an increase in the level of one or more miRNAs in a sample relative to the corresponding level(s) in a reference sample. For example, in some embodiments where there is an alteration in the level of one or more miRNAs, the level of one or more miRNAs in a sample can be increased by at least about 10% or more, including, e.g., at least about 20%, at least about 30%, at least about 40%, at least about 50%, at least about 60%, at least about 70%, at least about 80%, at least about 90%, at least about 95%, at least about 97%, at least about 99% or more, relative to the corresponding level(s) in a reference sample. In some embodiments where there is an alteration in the level of one or more miRNAs, the level of one or more miRNAs in a sample can be increased by at least about 1.1-fold or more, including, e.g., at least about 1.5-fold, at least about 2-fold, at least about 3-fold, at least about 4-fold, at least about 5-fold, at least about 6-fold, at least about 7-fold, at least about 8-fold, at least about 9-fold, at least about 10-fold or more, relative to the corresponding level(s) in a reference sample.

[00034] In some embodiments, the level(s) of one or more miRNAs are considered to be altered (or differentially expressed) relative to reference sample(s) if it has a mean expression of at least 25 or more sequenced reads, and a log2-change in expression relative to the reference sample(s) of at least 0.5 or higher, or no more than -0.5 or lower.

[00035] In other embodiments, the alteration or change in the level of one or more miRNAs can refer to a decrease in the level of one or more miRNAs in a sample relative to the corresponding level(s) in a reference sample. For example, in some embodiments where there is an alteration in the level of one or more miRNAs, the level of one or more miRNAs in a sample can be decreased by at least about 10% or more, including, e.g., at least about 20%, at least about 30%, at least about 40%, at least about 50%, at least about 60%, at least about 70%, at least about 80%, at least about 90%, at least about 95%, at least about 97%, at least about 99% or more (including 100%), relative to the corresponding level(s) in a reference sample.

[00036] In some embodiments, the "alteration of the level of one or more miRNAs" can refer to the presence (e.g., a detectable level) of one or more miRNAs in a sample, as compared to the absence (e.g., no detectable level) of those miRNA(s) in a reference sample.

[00037] In alternative embodiments, the "alteration of the level of one or more miRNAs" can refer to the absence (e.g., no detectable level) of one or more miRNAs in a sample, as compared to the presence (e.g., a detectable level) of those miRNA(s) in a reference sample.

[00038] In some embodiments of any aspects described herein, the method or assay can comprise detecting in the biological sample the level of a plurality (e.g., at least 2, at least 3, at least 4, at least 5, at least 6, at least 7, at least 8, at least 9, at least 10, at least 15, at least 20, at least 25, at least 30, at least 40, at least 50, or more) of the miRNAs selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 disclosed in Tables 1-3.

[00039] An amount of a miRNA sequence in the biological sample can be measured or quantified by any known RNA detection methods. By way of example only, the miRNA(s) in a biological sample can be detected or read by a sequencing method (including Sanger sequencing, next-generation sequencing or deep sequencing, direct multiplexing, and any art-recognized sequencing method) and a read count of each miRNA sequence can be generated to determine its amount present in the biological sample. Alternatively, where the miRNA sequence(s) in a biological sample are determined by PCR-based methods (e.g., real-time PCR), the amount of the miRNA sequence(s) present in the biological sample can be represented by a C_t number, which can be compared to that of a reference sample. As a person having ordinary skill in the art would appreciate, a larger C_t number generally indicates a lower amount of a nucleic acid sequence present in a sample. In some embodiments, the quantitative amount of the miRNA sequence(s) detected by PCR-based methods (e.g., real-time PCR) can also be determined from a calibration curve generated with known amounts of a nucleic acid sequence.

[00040] Any other art-recognized methods detecting or measuring the level of a miRNA sequence, e.g., but not limited to the methods and kits for miRNA isolation and quantitation as described in U.S. Pat. No. 8,574,838, can also be used herein. Additional information about measuring or quantifying one or more miRNA sequences is described in the section "*Exemplary methods for detecting or measuring the level of a miRNA sequence*" below.

[00041] As the amount of the miRNA sequence(s) is determined in the biological sample, in some embodiments, the methods or assays described herein can further comprise comparing with a reference sample the level of one or more miRNA sequences described herein in the biological sample. When there is a difference (e.g., at least about 10% difference or higher) or a statistically significant difference in an amount of at least one or more (e.g., at least 2 or more) or in the profile of miRNA sequences between the biological sample and the reference sample, the difference or

significant difference can be indicative of the cell or the tissue in a state different from the reference sample. If the cell or the tissue is derived from a biological sample of a subject, the results of the comparison can be used for diagnosing or prognosing a disease or disorder, or a state of a disease or disorder. Depending on the choice of a reference sample, in some embodiments, the difference or significant difference can be indicative of a subject either having, or being at risk of developing, or being at a given stage of a disease or disorder, e.g., a condition afflicting the tissue; while in other embodiments, the difference or significant difference can be indicative of a subject free of a disease or disorder, e.g., a condition afflicting the tissue. For example, if a subject's miRNA sequence level or profile has no significant difference from that of a normal sample, it indicates that the subject is free of a condition or disease. Additionally or alternatively, if a subject's miRNA sequence level or profile is significantly different from that of a sample of a known disease or disorder to be diagnosed, it indicates that the subject does not likely have that disease or disorder.

[00042] If the miRNA sequence level or profile of a biological sample contain miRNA(s) that are preferentially present in a certain tissue but not in other tissues, the tissue origin of the biological sample can be determined based on the presence of those tissue-specific miRNA(s).

[00043] The threshold level selected to distinguish a given state of a cell or tissue from another, and/or to determine if a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest can be determined experimentally. For example, by comparing the levels and/or profiles of one or more miRNA molecules detected in a number of references samples of known conditions in a specific tissue (e.g., a normal breast sample vs. a cancerous breast sample), e.g., by deep sequencing and/or quantitative RT-PCR, one of skill in the art can determine a threshold level for levels of one or more miRNA sequences required to distinguish one condition from another (e.g., to distinguish a normal breast sample from a cancerous breast sample).

[00044] In some embodiments, the threshold level needs not be pre-determined. For example, cluster analysis can be computationally performed to classify miRNA expression profiles of a biological sample and a set of reference samples into groups such that samples in the same group (called a cluster) have more similar miRNA expression profiling to each other than to those in other groups (clusters). Accordingly, when a biological sample is categorized into the same group with a subset of reference samples of similar miRNA expression profiles, the biological sample is considered to have similar properties (e.g., genotype or phenotype) as the subset of reference samples. For example, when a breast tissue sample from a subject is categorized into the same group representing cancerous breast tissue reference samples, or more specifically, into a sub-group representing invasive breast cancer, the subject is determined to likely to have breast cancer, or more specifically an invasive breast cancer. Various clustering algorithms for classification and clustering are known in the art and can be used for the purposes described herein. Examples of clustering

algorithms and/or models include, but are not limited to connectivity-based clustering (e.g., hierarchical clustering), centroid-based clustering (e.g., k-means clustering), distribution-based clustering (e.g., multivariate normal distributions used by the expectation-maximization algorithm), density-based clustering (e.g., DBSCAN and OPTICS), subspace models (e.g., biclustering), and any combinations thereof.

[00045] The reference sample used in the methods and assays described herein can be a sample derived from the same type of cell or tissue as a biological sample, and with a known condition. For example, the reference sample can represent a normal condition of a cell or tissue in a biological sample to be analyzed. The normal reference sample can be collected from a subject whose biological sample is being analyzed or from a different subject. Alternatively, the reference sample can represent a recognizable stage of an abnormal condition of a cell or a tissue in a biological sample to be analyzed. By way of example only, if a disease or disorder to be diagnosed or prognosed in a subject is breast cancer, a reference sample can include a normal breast tissue, a ductal carcinoma *in situ* breast tissue sample, an invasive ductal carcinoma tissue sample or subtype, an invasive lobular carcinoma tissue sample, a lobular carcinoma *in situ* tissue sample, and any combinations thereof.

[00046] In some embodiments, the reference sample can present a known condition of a known tissue origin. Depending on applications, the reference sample can have the same or different tissue origin from the biological sample. For example, in order to determine the tissue origin of a biological sample, the level(s) and/or profile of one or more miRNAs described herein can be compared to reference samples of different tissues.

[00047] By way of example only, in some embodiments, the methods described herein can be used to determine a primary origin of an unknown tumor or cancer. Thus, in some embodiments, the methods described herein can be used to determine whether the tumor is a primary tumor or a secondary tumor (i.e., a metastasis). For example, a biopsy of an unknown tumor can be subjected to the methods or assays described herein to determine the tissue origin of the tumor, wherein if the tissue origin of the tumor is determined to be the same tissue type as from where the biopsy is collected, the tumor is diagnosed as a primary tumor, or if the tissue origin of the tumor is determined to be different from the type of the tissue from where the biopsy is collected, the tumor is diagnosed as a secondary tumor (i.e., a metastasis). Thus, the methods described herein can be used to fingerprint a biological sample, e.g., whether it is a normal sample or a diseased sample (e.g., a cancerous sample).

[00048] In some embodiments, more than one reference samples can be used, wherein the reference samples can represent a variety of different conditions (e.g., normal condition, different stages of a disease or disorder, different tissue origins). By way of example only, if a biological

sample of a subject generates a similar or comparable miRNA expression profile (e.g., in terms of levels and/or locations of miRNA sequences) to that of a normal sample or a group of normal samples (reference samples), the subject can be considered normal with respect to the normal sample or the group normal samples. Similarly, if a biological sample of a subject generates a similar or comparable miRNA expression profile (e.g., in terms of levels and/or locations of miRNA sequences) to that of a sample or a group of samples derived from a given tissue (reference samples), the subject's biological sample can be considered to have the same tissue type as the reference samples.

[00049] The miRNA expression profile can be generated based on one or more genes. In some embodiments, the miRNA expression profile can be generated based on a specific gene, e.g., a gene that is associated with a condition or disorder. In some embodiments, miRNA sequences can be detected from at least two genes in a biological sample and compared to the corresponding reference sample to determine if similar conclusions are obtained.

[00050] For a subject who is determined to have, or is at risk of developing, or is at a given stage of the disease or disorder, the subject can be administered or prescribed with an appropriate treatment. For example, in some embodiments where the subject is diagnosed with cancer (e.g., breast carcinoma or pancreatic carcinoma) or progression thereof, the method can further comprise administering or prescribing the subject an anti-cancer treatment, e.g., chemotherapy, radiation therapy, surgery, immunotherapy, RNA therapeutics (e.g., siRNAs, miRNAs), or any combinations thereof.

[00051] In some embodiments, a subject in need thereof can be administered with an antagonist or a mimic of one or more (e.g., at least one, at least two, at least three, at least four, at least five, or more) of the miRNA sequences selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 in Tables 1-3, depending on whether the subject is diagnosed to have an overexpression or a deficiency of one or more miRNA sequences determined to be associated with a condition or disorder. For example, in some embodiments where the level(s) of one or more miRNAs described herein are determined to represent a "causal event" for the disease or disorder, the level(s) of the miRNAs can be controlled in order to return their levels to what would be considered "normal" levels and thus alleviate the impact that can result from the changes in their amount. Examples of the techniques that can be used to control the level(s) of one or more miRNAs described herein include, but are not limited to, antisensing or sponging (e.g., microRNA sponges as described in Ebert and Shape. "MicroRNA sponges: Progress and possibilities" RNA (2010) 16:2043-2050; and Ebert et al. "MicroRNA sponges: Competitive inhibitors of small RNAs in mammalian cells" Nat. Methods (2007) 4: 721-726), decoying (e.g., as described in Swami M. "Small RNAs: Pseudogenes act as microRNA

decoys." Nature Reviews Genetics (2010) 11: 530–531), overexpression, and/or any art-recognized techniques.

[00052] Additional information about antagonists or mimics of miRNAs described herein is described in the section "*Pharmaceutical compositions*" below.

Novel miRNA sequences or molecules described herein

[00053] The inventors have discovered a collection of novel microRNAs (miRNAs) of SEQ ID NO: 1 to SEQ ID NO: 47,972 in Tables 1-3 in a human genome, based on deep sequencing data using different tools and/or design methodology. The cardinality of the class of non-coding RNAs (ncRNAs) known as microRNAs or miRNAs has been a controversial issue for more than a decade. It was previously estimated that the number of human miRNAs would not exceed 300 (Lim et al. Science. 2003 Mar 7;299(5612):1540). However, different methods that were used later provided higher, yet concordant, figures for the number of human miRNAs and their cardinality was estimated to be in the several tens of thousands. The miRBase repository has served as a widely-accepted public clearinghouse of miRNA sequences for vertebrates, invertebrates, viruses and plants. The database's latest release (Rel. 20) from 2013 contains ~2,600 human miRNA entries produced from ~1,800 miRNA precursors.

[00054] Tables 1-3 listing sequences of novel miRNAs of SEQ ID NO: 1 to SEQ ID NO: 47,972 are submitted and incorporated herein by reference in their entireties. Oligonucleotides comprising sequences complementary to the novel miRNAs listed in Tables 1-3 are also encompassed within the scope of the inventions described herein. By "complementary" is meant that an oligonucleotide can form hydrogen bond(s) with another oligonucleotide by either traditional Watson-Crick or other non-traditional types. The complementary oligonucleotides can be completely or partially complementary to the novel miRNA sequences listed in **Tables 1-3.** In some embodiments, partial complementarity is indicated by the percentage of contiguous residues in an oligonucleotide that can form hydrogen bonds (e.g., Watson-Crick base pairing) with a second oligonucleotide sequence (e.g., 5, 6, 7, 8, 9,10 out of 10 being 50%, 60%, 70%, 80%, 90%, and 100% complementary). "Completely complementary" or 100% complementarity means that all the contiguous residues of an oligonucleotide sequence will form hydrogen bond with the same number of contiguous residues in a second oligonucleotide sequence. Less than perfect complementarity refers to the situation in which some, but not all, nucleotide units of two strands can hydrogen bond with each other.

[00055] Table 1 shows a listing of novel miRNAs of SEQ ID NO: 1 to SEQ ID NO: 19,754 that the inventors identified using their own designed methodology as described in Example 1. In Table 1, SEQ ID NO: 1 to SEQ ID NO: 9,877 contain miRNA sequences of mature form, while SEQ ID

NO: 9,878 to SEQ ID NO: 19,754 contain sequences each having a hairpin sequence and a mature miRNA sequence.

[00056] Table 2 shows a listing of novel miRNAs of SEQ ID NO: 19,755 to SEQ ID NO: 27,168 that the inventors identified using a public tool called miRDeep2. MiRDeep2 (see Friedländer, M.R., et al., Nature Biotechnology, 2008, 26, 407-415, for methods of discovering microRNAs from deep sequencing data using miRDeep) follows a slightly different approach to finding miRNAs that is based on a multi-faceted scoring system. In an effort to be comprehensive, miRDeep2 was also used to discover miRNAs to complement the inventor's methodology (as described in Example 1). In Table 2, SEQ ID NO: 19,755 to SEQ ID NO: 23,461 contain miRNA sequences of mature form, while SEQ ID NO: 23,462 to SEQ ID NO: 27,168 contain sequences each having a hairpin sequence and a mature miRNA sequence.

[00057] Table 3 shows a listing of novel miRNAs of SEQ ID NO: 27,169 to SEQ ID NO: 47,972. These are variants or isomers of miRNAs, called isomiRs. The term "isomiR" generally refers to a miRNA who sequence is slightly different than the sequence of a known miRNA, e.g., a miRNA that is known in the public databases." However, this apparent difference could simply be because the "miRNA" is found in tissue X whereas the "isomiR" is found in tissue Y and it so happened that the tissue X was first studied. If tissue Y was first studied then what is called "isomiR" might have been called "miRNA" and vice versa.

[00058] In some instances, both the "miRNA" and the "isomiR" can be found in the same tissue but the isomiR has a lower expression than the miRNA. In some instances, tissues where what is commonly called as "miRNA" has lower expression than an "isomiR" from the same locus: in such examples, the labels of miRNA and isomiR can be used interchangeably. Accordingly, as used herein, the terms "miRNA" and "isomiR" are used herein interchangeably and will be making a distinction only if necessary to remove any ambiguities.

[00059] While the novel miRNA sequences listed in Tables 1-3 are from human genomes, many of these sequences are conserved in other species, e.g., but not limited to other primates such as Chimpanzee, Gorilla, Orangutan, and Macaque. Some human miRNA sequences as described herein are also conserved in mice, fruit-fly, and worms. See Example 2.

[00060] MicroRNAs (miRNAs) are small, non-coding RNA molecules that generally function as regulators of a genome. The terms "microRNA" or "miRNA" are used interchangeably herein, are generally endogenous RNAs, some of which are known to regulate the expression of protein-coding genes at the posttranscriptional level. As used herein, the term "microRNA" refers to any type of micro-interfering RNA, including but not limited to, endogenous microRNA and artificial or synthetic microRNA. Typically, endogenous microRNA are small RNAs encoded in the genome which are capable of modulating the productive utilization of mRNA. A mature miRNA is a single-

stranded RNA molecule of about 21-23 nucleotides in length that is complementary to a target sequence and hybridizes to the target RNA sequence to inhibit expression of a (protein-coding or non-coding) gene which encodes a miRNA target sequence. miRNAs themselves are encoded by genes that are transcribed from DNA but not translated into protein (non-coding RNA); instead they are processed from primary transcripts known as pri-miRNA to short stem-loop structures called pre-miRNA and finally to functional miRNA. Mature miRNA molecules are partially complementary to one or more messenger RNA (mRNA) molecules, and their main function is to downregulate gene expression. MicroRNA sequences have been described in publications such as, Lim, et al., Genes & Development, 17, p. 991-1008 (2003), Lim et al Science 299, 1540 (2003), Lee and Ambros Science, 294, 862 (2001), Lau et al., Science 294, 858-861 (2001), Lagos-Quintana et al, Current Biology, 12, 735-739 (2002), Lagos Quintana et al, Science 294, 853-857 (2001), and Lagos-Quintana et al, RNA, 9, 175-179 (2003), which are incorporated by reference. Multiple microRNAs can also be incorporated into the precursor molecule.

[00061] A mature miRNA is produced as a result of a series of miRNA maturation steps; first a gene encoding the miRNA is transcribed. The gene encoding the miRNA is typically much longer than the processed mature miRNA molecule; miRNAs are first transcribed as primary transcripts or "pri-miRNA" with a cap and poly-A tail, which is subsequently processed to short, about 70-nucleotide "stem-loop structures" known as "pre-miRNA" in the cell nucleus. This processing is performed in animals by a protein complex known as the Microprocessor complex, consisting of the nuclease Drosha and the double-stranded RNA binding protein Pasha. These pre-miRNAs are then processed to mature miRNAs in the cytoplasm by interaction with the endonuclease Dicer, which also initiates the formation of the RNA-induced silencing complex (RISC). This complex is responsible for the gene silencing observed due to miRNA expression and RNA interference. The pathway is different for miRNAs derived from intronic stem-loops; these are processed by Drosha but not by Dicer. In some instances, a given region of DNA and its complementary strand can both function as templates to give rise to at least two miRNAs. Mature miRNAs can direct the cleavage of mRNA or they can interfere with translation of the mRNA, either of which results in reduced protein accumulation, rendering miRNAs capable of modulating gene expression and related cellular activities.

[00062] As discussed above, recent advances in next generation sequencing have complicated this picture by revealing that multiple distinct mature miRNA species, the isomiRs, can arise from the same miRNA precursor arm ("pre-miR"). The isomiRs typically differ from the mature miRNA sequences currently in public databases such as miRBase on either their 5′ or 3′ ends, thereby increasing the diversity and complexity of the miRNA-ome. IsomiRs, just like miRNAs, associate

with the Argonaute complex.Accordingly, the terms “miRNA” and “isomiR” are used herein interchangeably and will be making a distinction only if necessary to remove any ambiguities.

[00063] The term "pri-miRNA" refers to a precursor to a mature miRNA molecule which comprises: (i) a microRNA sequence and (ii) stem-loop component which are both flanked (i.e. surrounded on each side) by "microRNA flanking sequences", where each flanking sequence typically ends in either a cap or poly-A tail. A pri-microRNA, (also referred to as large RNA precursors), are composed of any type of nucleic acid based molecule capable of accommodating the microRNA flanking sequences and the microRNA sequence. Examples of pri-miRNAs and the individual components of such precursors (flanking sequences and microRNA sequence) are provided herein. The nucleotide sequence of the pri-miRNA precursor and its stem-loop components can vary widely. In one embodiment, a pre-miRNA molecule can be an isolated nucleic acid; including microRNA flanking sequences and comprising a stem-loop structure and a microRNA sequence incorporated therein. A pri-miRNA molecule can be processed in vivo or in vitro to an intermediate species caller "pre-miRNA", which is further processed to produce a mature miRNA.

[00064] The term "pre-miRNA" refers to the intermediate miRNA species in the processing of a pri-miRNA to mature miRNA, where pri-miRNA is processed to pre-miRNA in the nucleus, whereupon pre-miRNA translocates to the cytoplasm where it undergoes additional processing in the cytoplasm to form mature miRNA. Pre-miRNAs are generally about 70 nucleotides long, but can be less than 70 nucleotides or more than 70 nucleotides.

[00065] The term "microRNA flanking sequence" as used herein refers to nucleotide sequences including microRNA processing elements. MicroRNA processing elements are the minimal nucleic acid sequences which contribute to the production of mature miRNA from precursor microRNA. Often these elements are located within a 40 nucleotide sequence that flanks a microRNA stem-loop structure. In some instances the microRNA processing elements are found within a stretch of nucleotide sequences of between 5 and 4,000 nucleotides in length that flank a microRNA stem-loop structure. Thus, in some embodiments the flanking sequences are 5-4,000 nucleotides in length. As a result, the length of the precursor molecule can be, in some instances at least about 150 nucleotides or 270 nucleotides in length. The total length of the precursor molecule, however, can be greater or less than these values. In other embodiments the minimal length of the microRNA flanking sequence is 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 150, 200 and any integer there between. In other embodiments the maximal length of the microRNA flanking sequence is 2, 000, 2,100, 2, 200, 2,300, 2,400, 2,500, 2,600, 2,700, 2,800, 2,900, 3, 000, 3,100, 3,200, 3,300, 3,400, 3,500, 3,600, 3,700, 3,800, 3,900 4,000 and any integer there between.

[00066] MicroRNA flanking sequences can be native microRNA flanking sequences or artificial microRNA flanking sequences. A native microRNA flanking sequence is a nucleotide sequence that

is ordinarily associated in naturally existing systems with microRNA sequences, i.e., these sequences are found within the genomic sequences surrounding the minimal microRNA hairpin in vivo. Artificial microRNA flanking sequences are nucleotides sequences that are not found to be flanking to microRNA sequences in naturally existing systems. microRNA flanking sequences within the pri-miRNA molecule can flank one or both sides of the stem-loop structure encompassing the microRNA sequence. Thus, one end (i.e., 5′) of the stem-loop structure can be adjacent to a single flanking sequence and the other end (i.e., 3′) of the stem-loop structure cannot be adjacent to a flanking sequence. Preferred structures have flanking sequences on both ends of the stem-loop structure. The flanking sequences can be directly adjacent to one or both ends of the stem-loop structure or can be connected to the stem-loop structure through a linker, additional nucleotides or other molecules.

[00067] A "stem-loop structure" refers to a nucleic acid having a secondary structure that includes a region of nucleotides which are known or predicted to form a double strand (stem portion) that is linked on one side by a region of predominantly single-stranded nucleotides (loop portion). The terms "hairpin" and "fold-back" structures are also used herein to refer to stem-loop structures. Such structures are well known in the art and the term is used consistently with its known meaning in the art. The actual primary sequence of nucleotides within the stem-loop structure is not critical to the practice of the invention as long as the secondary structure is present. As is known in the art, the secondary structure does not require exact base-pairing. Thus, the stem can include one or more base mismatches. Alternatively, the base-pairing can be exact, i.e. not include any mismatches. In some instances the precursor microRNA molecule can include more than one stem-loop structure. The multiple stem-loop structures can be linked to one another through a linker, such as, for example, a nucleic acid linker or by a microRNA flanking sequence or other molecule or some combination thereof.

[00068] The hairpin sequences in Tables 1 and 2 can provide information about novel miRNAs and the pre-miRNA that are believed to be responsible for the miRNAs production. The hairpin sequences of Tables 1 and 2 can be used in the same manner that one would use a pre-miRNA (e.g., similar preparation methods, similar delivery methods, similar application settings, similar detection methods).

[00069] Furthermore, miRNA-like stem-loops can be expressed in cells as a vehicle to deliver artificial or synthetic miRNAs for the purpose of modulating the expression of endogenous genes through the miRNA and/or RNAi pathways.

[00070] In some embodiments, the miRNAs described herein are miRNA mimetic. As used herein, the term "miRNA mimetic" refers to an artificial miRNA which is flanked by the appropriate sequences that will allow it to form the stem-loop like structures that are typical of a pri-miRNA.

[00071] The term "artificial microRNA" includes any type of RNA sequence, other than endogenous microRNA, which is capable of modulating the productive utilization of mRNA. For instance, the term artificial microRNA also encompasses a nucleic acid sequence which would be previously identified as siRNA, where the siRNA is incorporated into a vector and surrounded by miRNA flanking sequences as described herein.

[00072] In some embodiments, the term "miRNA" as used herein can encompass an oligonucleotide having a hairpin sequence and a mature miRNA sequence. In some embodiments, the term "miRNA" can encompass isomiR.

[00073] In some embodiments, the novel miRNA sequences described herein can encompass at least one or more nucleotide modifications, e.g., addition, deletion and/or substitutions of nucleotides, and/or modifications to the side groups and/or backbone of the nucleotides. Unmodified miRNA sequences can be less than optimal in some applications, e.g., unmodified miRNA sequences can be prone to degradation by e.g., cellular nucleases. However, chemical modifications to one or more of the subunits of the miRNA sequences can confer improved properties, e.g., can render miRNA sequences more stable to nucleases. Typical miRNA sequence modifications can include one or more of: (i) alteration, e.g., replacement, of one or both of the non-linking phosphate oxygens and/or of one or more of the linking phosphate oxygens in the phosphodiester intersugar linkage; (ii) alteration, e.g., replacement, of a constituent of the ribose sugar, e.g., of the 2' hydroxyl on the ribose sugar; (iii) wholesale replacement of the phosphate moiety with "dephospho" linkers; (iv) modification or replacement of a naturally occurring base with a non-natural base; (v) replacement or modification of the ribose-phosphate backbone, e.g. peptide nucleic acid (PNA); (vi) modification of the 3' end or 5' end of the oligonucleotide, e.g., removal, modification or replacement of a terminal phosphate group or conjugation of a moiety, e.g., conjugation of a ligand, to either the 3' or 5' end of oligonucleotide; and (vii) modification of the sugar, e.g., six membered rings.

[00074] The terms replacement, modification, alteration, and the like, as used in this context, do not imply any process limitation, e.g., modification does not mean that one must start with a reference or naturally occurring ribonucleic acid and modify it to produce a modified ribonucleic acid bur rather modified simply indicates a difference from a naturally occurring molecule. As described below, modifications, e.g., those described herein, can be provided as asymmetrical modifications.

Diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof

[00075] In some aspects, different embodiments of the methods, assays, compositions, and systems described herein can be used for diagnosis and/or prognosis of a disease or disorder, and/or the state of the disease or disorder in a subject, e.g., a condition afflicting a certain tissue in a subject. In other aspects, different compositions described herein can be used for treatment of a disease or disorder in a subject. For example, the disease or disorder in a subject can be associated with breast, pancreas, blood, prostate, colon, lung, skin, brain, ovary, kidney, oral cavity, throat, cerebrospinal fluid, liver, or other tissues, and any combination thereof. Examples 7-8 shows differential expression of some of the novel miRNA sequences listed in Tables 1-3 in tissues of different states (e.g., disease states or cell states).

[00076] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include conditions that are not terminal but can cause an interruption, disturbance, or cessation of a bodily function, system, or organ. Such examples of diseases or disorders can include, e.g., but are not limited to developmental disorders (e.g., autism), brain disorders (e.g., epilepsy), mental disorders (e.g., depression), endocrine disorders (e.g., diabetes), heart diseases (e.g., cardiomyopathy), or skin disorders (e.g., skin inflammation).

[00077] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include breast diseases or disorders. Exemplary breast disease or disorder includes breast cancer.

[00078] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include pancreatic diseases or disorders. Nonlimiting examples of pancreatic diseases or disorders include acute pancreatitis, chronic pancreatitis, hereditary pancreatitis, pancreatic cancer (e.g., endocrine or exocrine tumors), etc., and any combinations thereof.

[00079] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include blood diseases or disorders. Examples of blood diseases or disorders include, but are not limited to, platelet disorders, von Willebrand diseases, deep vein thrombosis, pulmonary embolism, sickle cell anemia, thalassemia, anemia, aplastic anemia, fanconi anemia, hemochromatosis, hemolytic anemia, hemophilia, idiopathic thrombocytopenic purpura, iron deficiency anemia, pernicious anemia, polycythemia vera, thrombocythemia and thrombocytosis, thrombocytopenia, and any combinations thereof.

[00080] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can

include prostate diseases or disorders. Non-limiting examples of prostate diseases or disorders can include prostatis, prostatic hyperplasia, prostate cancer, and any combinations thereof.

[00081] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include colon diseases or disorders. Exemplary colon diseases or disorders can include, but are not limited to, colorectal cancer, colonic polyps, ulcerative colitis, diverticulitis, and any combinations thereof.

[00082] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include lung diseases or disorders. Examples of lung diseases or disorders can include, but are not limited to, asthma, chronic obstructive pulmonary disease, infections, e.g., influenza, pneumonia and tuberculosis, and lung cancer.

[00083] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include skin diseases or disorders, or skin conditions. An exemplary skin disease or disorder can include skin cancer, e.g., melanoma; and psoriasis.

[00084] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include brain diseases or disorders. Examples of brain diseases or disorders can include, but are not limited to, brain infections (e.g., meningitis, encephalitis, brain abscess), brain tumor, glioblastoma, stroke, ischemic stroke, multiple sclerosis (MS), vasculitis, and neurodegenerative disorders (e.g., Parkinson's disease, Huntington's disease, Pick's disease, amyotrophic lateral sclerosis (ALS), dementia, and Alzheimer's disease), and any combinations thereof.

[00085] In some embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include liver diseases or disorders. Examples of liver diseases or disorders can include, but are not limited to, hepatitis, cirrhosis, liver cancer, billary cirrhosis, primary sclerosing cholangitis, Budd-Chiari syndrome, hemochromatosis, transthyretin-related hereditary amyloidosis, Gilbert's syndrome, and any combinations thereof.

[00086] In other embodiments, diseases or disorders that can be diagnosed, prognosed, and/or treated using one or more novel miRNAs described herein or complementary sequences thereof can include cancer. Examples of cancers can include, but are not limited to, bladder cancer; breast cancer; brain cancer including glioblastomas and medulloblastomas; cervical cancer; choriocarcinoma; colon cancer including colorectal carcinomas; endometrial cancer; esophageal cancer; gastric cancer; head and neck cancer; hematological neoplasms including acute lymphocytic

and myelogenous leukemia, multiple myeloma, AIDS associated leukemias and adult T-cell leukemia lymphoma; intraepithelial neoplasms including Bowen's disease and Paget's disease, liver cancer; lung cancer including small cell lung cancer and non-small cell lung cancer; lymphomas including Hodgkin's disease and lymphocytic lymphomas; neuroblastomas; oral cancer including squamous cell carcinoma; osteosarcomas; ovarian cancer including those arising from epithelial cells, stromal cells, germ cells and mesenchymal cells; pancreatic cancer; prostate cancer; rectal cancer; sarcomas including leiomyosarcoma, rhabdomyosarcoma, liposarcoma, fibrosarcoma, synovial sarcoma and osteosarcoma; skin cancer including melanomas, Kaposi's sarcoma, basocellular cancer, and squamous cell cancer; testicular cancer including germinal tumors such as seminoma, non-seminoma (teratomas, choriocarcinomas), stromal tumors, and germ cell tumors; thyroid cancer including thyroid adenocarcinoma and medullar carcinoma; transitional cancer and renal cancer including adenocarcinoma and Wilm's tumor.

[00087] In some embodiments, the methods, assays, kits, and systems described herein can be used for determining a given stage of cancer in a subject. The stage of a cancer generally describes the extent the cancer has progressed and/or spread. The stage usually takes into account the size of a tumor, how deeply the tumor has penetrated, whether the tumor has invaded adjacent organs, how many lymph nodes the tumor has metastasized to (if any), and whether the tumor has spread to distant organs. Staging of cancer is generally used to assess prognosis of cancer as a predictor of survival, and cancer treatment is primarily determined by staging. Thus, methods, systems, kits, and assays for determining a given stage of cancer in a subject are also provided herein. For example, such methods and assays can comprise detecting in a biological sample (e.g., a biopsy) the presence, absence or level of one or more miRNA sequences described herein.

[00088] In some embodiments, the cancer to be diagnosed or prognosed can be breast carcinoma. In such embodiments, the methods or assays described herein can be used to distinguish a cancerous breast tissue from a normal breast tissue, or identify a given stage of a cancerous breast tissue, e.g., ductal carcinoma *in situ*, lobular carcinoma *in situ*, invasive ductal carcinoma or a subtype, invasive lobular carcinoma, etc.

[00089] In some embodiments, the cancer to be diagnosed or prognosed can be pancreatic cancer. In such embodiments, the methods or assays described herein can be used to distinguish a cancerous pancreas tissue from a normal pancreas tissue, or identify a given state of a cancerous pancreas tissue, e.g., early-stage pancreatic cancer or late-stage pancreatic cancer.

[00090] In some embodiments, the methods, assays, kits, and systems described herein can be used for determining tissue origin of a biological sample from a subject. For example, the tissue origin of a biological sample from a subject can be determined based on comparison of the level(s) and/or profile of one or more miRNAs described herein in the biological sample with reference

samples of different tissues. Example 3 shows tissue specificity of the novel miRNAs described herein that can be used to identify tissue origin of a biological sample.

[00091] By way of example only, in some embodiments, the methods, assays, kits, and systems described herein can be used to determine a primary origin of an unknown tumor or cancer. Thus, in some embodiments, the methods described herein can be used to determine whether the tumor is a primary tumor or a secondary tumor (i.e., a metastasis). For example, a biopsy of an unknown tumor can be subjected to the methods or assays described herein to determine the tissue origin of the tumor, wherein if the tissue origin of the tumor is determined to be the same tissue type as from where the biopsy is collected, the tumor is diagnosed as a primary tumor, or if the tissue origin of the tumor is determined to be different from the type of the tissue from where the biopsy is collected, the tumor is diagnosed as a secondary tumor (i.e., a metastasis). Thus, the methods described herein can be used to fingerprint a biological sample, e.g., whether it is a normal sample or a diseased sample (e.g., a cancerous sample).

[00092] For a subject who is determined to have, or is at risk of developing, or is at a given stage of cancer (e.g., breast carcinoma or pancreatic carcinoma), the subject can be administered or prescribed with an anti-cancer treatment, e.g., chemotherapy, radiation therapy, surgery, immunotherapy, RNA therapeutics (e.g., siRNAs, miRNAs), or any combinations thereof.

[00093] In some embodiments, a subject in need thereof can be administered with an antagonist or a mimic of one or more of the miRNA sequences selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 in Tables 1-3, depending on whether the subject is diagnosed to have an overexpression or a deficiency of one or more miRNA sequences determined to be associated with a condition or disorder. Additional information about antagonists or mimics of miRNAs described herein is described in the section "*Pharmaceutical compositions*" below.

Exemplary methods for detecting one or more miRNA sequences described herein

[00094] One or more miRNA sequence(s) can be detected by any methods known in the art, including, but not limited to, Sanger sequencing, nucleic acid amplification (e.g., polymerase chain reaction (PCR), and real-time quantitative PCR), northern blot, nucleic acid hybridization (e.g., microarray), *in situ* hybridization, serial analysis of gene expression (SAGE), cap analysis gene expression (CAGE) and massively parallel signature sequencing (MPSS), next generation sequencing (including deep sequencing, e.g., sequencing with deep coverage), direct multiplexing, etc., and any combinations thereof.

[00095] Methods for performing SAGE to detect RNAs have been previously described in Velculescu, V. E. et al. "Serial Analysis of Gene Expression." Science (1995) 270: 484-487; and Saha S. et al. "Characterization of the yeast transcriptome" Cell (1997) 88: 243-251, and exemplary

SAGE protocols can be accessed at sagenet.org/protocol/index.htm. Methods for performing CAGE to detect RNAs has been previously described, e.g., in Kodzius R. et al. "CAGE: cap analysis of gene expression" Nature Methods (2006) 3: 211-222. Methods for performing MPSS to detect RNAs can be found, e.g., in Brenner, S. et al. "Gene expression analysis by massively parallel signature sequencing (MPSS) on microbead arrays" Nature Biotechnology (2000) 18: 630-634.

[00096] In some embodiments, the INVADER® assay (Third Wave Technologies Inc., Madison, WI) can be modified and used to detect miRNA sequences in a biological sample. The INVADER® assay is generally a homogeneous, isothermal, signal amplification system for the quantitative detection of nucleic acids. The assay can directly detect either DNA or RNA without target amplification or reverse transcription. It is based on the ability of Cleavase® enzymes to recognize as a substrate and cleave a specific nucleic acid structure generated through the hybridization of two oligonucleotides to the target sequence. Modification of the INVADER® assay for miRNA sequence detection has been previously described, e.g., in de Arruda, M. et al. "Invader technology for DNA and RNA analysis: Principles and applications" Expert Rev. Mol. Diagn (2002) 2: 487-496; Eis, P.S. et al. "An invasive cleavage assay for direct quantitation of specific RNAs" Nat. Biotechnol. (2001)19: 673-676; and Allawi H. T. et al. "Quantitation of microRNAs using a modified Invader assay" RNA (2004) 10: 1153-1161.

[00097] Next-generation sequencing (NGS) is a novel approach for the detection and sequencing of DNA or RNA molecules as reviewed, e.g., in Voelkerding K. V. et al. "Next-Generation Sequencing: From Basic Research to Diagnostics" Clinical Chemistry (2009) 55: 641-658; Metzker M. L. "Sequencing technologies – the next generation" Nature Reviews (2010) 11: 31-46; Zhang J. et al. "The impact of next-generation sequencing on genomics" J. Genet Genomics (2011) 38: 95-109; and Pareek C. S. et al. "Sequencing technologies and genome sequencing" J. Appl Genetics (2011) 52: 413-435. Various commercial NGS instruments and reagent kits for high-throughput next-generation sequencing have been developed and used for RNA-sequencing. For example, exemplary NGS instruments that can be used for RNA-sequencing or deep sequencing of RNA can include, but are not limited to, the GS FLX sequencer (based on pyrosequencing) from 454 Life Sciences now part of ROCHE Diagnostics [http://www.454.com/], the Genome Analyzer (based on polymerase-based sequence-by-synthesis) from Illumina [http://www.illumina.com], the SOLiD™ System (based on ligation-based sequencing) from Applied Biosystems [http://www.appliedbiosystems.com/absite/us/en/home/applications-technologies/solid-next-generation-sequencing/next-generation-systems.html], and the HeliScope™ Single Molecule Sequencer from Helicos BioScience [http://www.helicosbio.com/].

[00098] Other NGS or higher-generation sequencing methods based on single-molecule sequencing (without PCR amplification) can also be used to detect miRNA sequences or molecules

in some embodiments of the methods, assays, and systems described herein. Examples of single-molecule sequencing methods can include, but are not limited to, Ion Torrent (pH sensing), nanopore sequencing, and transmission electron microscope (TEM) for sequencing. See, e.g., Perkel, J. "Making contact with Sequencing's Fourth Generation" BioTechniques (2011): 50:93-95.

Systems and computer readable media for determination of a given state of a cell or tissue

[00099] Another aspect provided herein relates to systems (and non-transitory computer readable media for causing computer systems), e.g., to perform a method for determining a given state and/or condition of a cell or a tissue sample, and/or to perform the methods of various aspects described herein, based on determining presence and/or absence and/or level(s) of one or more miRNA sequence described herein. In some embodiments, the systems and computer readable media described herein can be used to diagnose and/or prognose a condition or a stage of the condition in a subject.

[000100] FIG. 1A depicts a device or a computer system 10 comprising one or more processors 20 and a memory 50 storing one or more programs 70 for execution by the one or more processors 20.

[000101] In some embodiments, the device or computer system 10 can further comprise a non-transitory computer-readable storage medium 200 storing the one or more programs 70 for execution by the one or more processors 20 of the device or computer system 10.

[000102] In some embodiments, the device or computer system 10 can further comprise one or more input devices 90, which can be configured to send or receive information to or from any one from the group consisting of: an external device (not shown), the one or more processors 20, the memory 50, the non-transitory computer-readable storage medium 200, and one or more output devices 130.

[000103] In some embodiments, the device or computer system 10 can further comprise one or more output devices 130, which can be configured to send or receive information to or from any one from the group consisting of: an external device (not shown), the one or more processors 20, the memory 50, and the non-transitory computer-readable storage medium 200.

[000104] In some embodiments, the device or computer system 10 for determining a given state and/or condition of a cell or tissue sample (biological sample) comprises:

one or more processors; and

memory to store one or more programs, the one or more programs comprising instructions for:

(i) measuring in a biological sample the level(s) of one or more miRNA sequences selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 listed in Tables 1-3; and

(ii) comparing the measured level(s) of one or more miRNA sequences to that of at least one or more reference samples to determine any significant alteration or difference in the level(s) of the miRNAs between the biological sample and the reference sample(s); and

(iii) displaying a content based in part on the data output from (ii), wherein the content comprises a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of no sign of the disease or disorder.

[000105] FIG. 1B depicts a device or a system (e.g., a computer system) for obtaining data from at least one biological sample obtained from one or more subjects. Accordingly, a system for analyzing a biological sample is provided herein. The system can be used to diagnose or prognose a condition or state of a condition in a subject. The system 10 comprises: (a) a determination module 40 configured to receive a biological sample and to determine sequence information, wherein the sequence information comprises a sequence of at least one or more miRNA molecules from the biological sample; (b) a storage device 30 configured to store sequence information from the determination module 40; (c) a comparison module 80 adapted to compare the sequence information stored on the storage device with reference data, and to provide a comparison result, wherein the comparison result identifies the presence or absence or level(s) of the miRNA molecule(s), wherein a discrepancy in an expression level of the miRNA molecule(s) from the reference data is indicative of the biological sample having an increased likelihood of having or being at a cellular or tissue state different from a state represented by the reference data; and (d) a display module 110 for displaying a content based in part on the comparison result for the user, wherein the content is a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of lacking a disease or disorder.

[000106] A tangible and non-transitory (e.g., no transitory forms of signal transmission) computer readable medium 200 having computer readable instructions recorded thereon to define software modules for implementing a method on a computer is also provided herein. In some embodiments, the software modules can include a comparison module and a display module for implementing a method on a computer. In some embodiments, the computer-readable medium 200 stores one or more programs for determining a given state of a condition of a cell or tissue (a biological sample). In some embodiments, the computer-readable medium 200 stores one or more programs for determining a condition or state of a condition of a subject. The one or more programs for execution by one or more processors of a computer system comprises (a) instructions for comparing the measured miRNA data (from a biological sample) stored on a storage device with reference data to provide a comparison result, wherein the comparison result the comparison result identifies the presence or absence (or difference in levels) of the miRNA molecule(s), wherein a discrepancy in level(s) of the miRNA molecule(s) from the reference data is indicative of the biological sample

having an increased likelihood of having or being at a cellular or tissue state different from a state represented by the reference data; and (b) instructions for displaying a content based in part on the comparison result for the user, wherein the content is a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of lacking a disease or disorder.

[000107] Embodiments provided herein have been described through functional modules, which are defined by computer executable instructions recorded on computer readable media and which cause a computer to perform method steps when executed. The modules have been segregated by function for the sake of clarity. However, it should be understood that the modules need not correspond to discrete blocks of code and the described functions can be carried out by the execution of various code portions stored on various media and executed at various times. Furthermore, it should be appreciated that the modules may perform other functions, thus the modules are not limited to having any particular functions or set of functions.

[000108] Computing devices typically include a variety of media, which can include computer-readable storage media and/or communications media, in which these two terms are used herein differently from one another as follows. Computer-readable storage media or computer readable media (e.g., 200) can be any available tangible media (e.g., tangible storage media) that can be accessed by the computer, is typically of a non-transitory nature, and can include both volatile and nonvolatile media, removable and non-removable media. By way of example, and not limitation, computer-readable storage media can be implemented in connection with any method or technology for storage of information such as computer-readable instructions, program modules, structured data, or unstructured data. Computer-readable storage media can include, but are not limited to, RAM (random access memory), ROM (read only memory), EEPROM (erasable programmable read only memory), flash memory or other memory technology, CD-ROM (compact disc read only memory), DVD (digital versatile disk) or other optical disk storage, magnetic cassettes, magnetic tape, magnetic disk storage or other magnetic storage devices, or other tangible and/or non-transitory media which can be used to store desired information. Computer-readable storage media can be accessed by one or more local or remote computing devices, e.g., via access requests, queries or other data retrieval protocols, for a variety of operations with respect to the information stored by the medium.

[000109] On the other hand, communications media typically embody computer-readable instructions, data structures, program modules or other structured or unstructured data in a data signal that can be transitory such as a modulated data signal, e.g., a carrier wave or other transport mechanism, and includes any information delivery or transport media. The term "modulated data signal" or signals refers to a signal that has one or more of its characteristics set or changed in such a

manner as to encode information in one or more signals. By way of example, and not limitation, communication media include wired media, such as a wired network or direct-wired connection, and wireless media such as acoustic, RF, infrared and other wireless media.

[000110] In some embodiments, the computer readable storage media 200 can include the "cloud" system, in which a user can store data on a remote server, and later access the data or perform further analysis of the data from the remote server.

[000111] Computer-readable data embodied on one or more computer-readable media, or computer readable medium 200, can define instructions, for example, as part of one or more programs, that, as a result of being executed by a computer, instruct the computer to perform one or more of the functions described herein (e.g., in relation to system 10, or computer readable medium 200), and/or various embodiments, variations and combinations thereof. Such instructions may be written in any of a plurality of programming languages, for example, Java, J#, Visual Basic, C, C#, C++, Fortran, Pascal, Eiffel, Basic, COBOL assembly language, and the like, or any of a variety of combinations thereof. The computer-readable media on which such instructions are embodied may reside on one or more of the components of either of system 10, or computer readable medium 200 described herein, can be distributed across one or more of such components, and may be in transition there between.

[000112] The computer-readable media can be transportable such that the instructions stored thereon can be loaded onto any computer resource to implement the aspects provided herein. In addition, it should be appreciated that the instructions stored on the computer readable media, or computer-readable medium 200, described above, are not limited to instructions embodied as part of an application program running on a host computer. Rather, the instructions can be embodied as any type of computer code (e.g., software or microcode) that can be employed to program a computer to implement various aspects described herein. The computer executable instructions can be written in a suitable computer language or combination of several languages. Basic computational biology methods are known to those of ordinary skill in the art and are described in, for example, Setubal and Meidanis et al., Introduction to Computational Biology Methods (PWS Publishing Company, Boston, 1997); Salzberg, Searles, Kasif, (Ed.), Computational Methods in Molecular Biology, (Elsevier, Amsterdam, 1998); Rashidi and Buehler, Bioinformatics Basics: Application in Biological Science and Medicine (CRC Press, London, 2000) and Ouelette and Baxevanis Bioinformatics: A Practical Guide for Analysis of Gene and Proteins (Wiley & Sons, Inc., 2nd ed., 2001).

[000113] The functional modules of certain embodiments provided herein include a determination module, a storage device, a comparison module and a display module. The functional modules can be executed on one, or multiple, computers, or by using one, or multiple, computer networks. The determination module 40 has computer executable instructions to provide sequence information in

computer readable form. As used herein, "sequence information" refers to any nucleotide sequence, including but not limited to full-length sequence, partial sequence, or mutated sequences. Moreover, information "related to" the sequence information includes detection of the presence or absence of a miRNA sequence, determination of the expression level of a miRNA sequence in a biological sample, and the like. In some embodiments, the sequence information can include sequences of any miRNA molecules present in a biological sample. In some embodiments, the sequence information can include sequences of miRNA molecules. In other embodiments, the sequence information can include sequences of miRNA molecules described herein, miRNA molecules, piRNA molecules, mRNA molecules, or any combinations thereof. In some embodiments, the sequence information can include sequences of miRNA molecules present in a biological sample, and a genomic sequence of one or more protein-coding genes.

[000114] As an example, determination modules 40 for determining sequence information can include known systems for automated sequence analysis, including but not limited to, Hitachi FMBIO® and Hitachi FMBIO® II Fluorescent Scanners (available from Hitachi Genetic Systems, Alameda, California); Spectrumedix® SCE 9610 Fully Automated 96-Capillary Electrophoresis Genetic Analysis Systems (available from SpectruMedix LLC, State College, Pennsylvania); ABI PRISM® 377 DNA Sequencer, ABI® 373 DNA Sequencer, ABI PRISM® 310 Genetic Analyzer, ABI PRISM® 3100 Genetic Analyzer, and ABI PRISM® 3700 DNA Analyzer (available from Applied Biosystems, Foster City, California); Molecular Dynamics FluorImager™ 575, SI Fluorescent Scanners, and Molecular Dynamics FluorImager™ 595 Fluorescent Scanners (available from Amersham Biosciences UK Limited, Little Chalfont, Buckinghamshire, England); GenomyxSC™ DNA Sequencing System (available from Genomyx Corporation (Foster City, California); and Pharmacia ALF™ DNA Sequencer and Pharmacia ALFexpress™ (available from Amersham Biosciences UK Limited, Little Chalfont, Buckinghamshire, England); any next- or higher- generation sequencing instruments such as, but not limited to, GF GLX Titanium, GS Junior (available from 454 Life Sciences, part of Roche Diagnostic Corporation, Branford, CT); HiSeq 2000, Genome Analyzer IIX, Genome Analyzer IIE, iScan SQ (available from Illumina, San Diego, CA); ABI SOLiD™ system (e.g., SOLiD4 platform available from Life Technologies, Applied Biosystems, Carlsbad, CA); HeliScope™ Single Molecule Sequencer (available from Helicos Biosciences Corporation, Cambridge, MA); and PACBIO RS (available from Pacific Biosciences, Menlo Park, CA).

[000115] Alternative methods for determining sequence information, i.e., determination modules 40, include systems for nucleic acid analysis. For example, mass spectrometry systems including Matrix Assisted Laser Desorption Ionization – Time of Flight (MALDI-TOF) systems and SELDI-TOF-MS ProteinChip array profiling systems; systems for analyzing gene expression data (see, for

example, published U.S. Patent Application, Pub. No. U.S. 2003/0194711); systems for array based expression analysis: e.g., HT array systems and cartridge array systems such as GeneChip® AutoLoader, Complete GeneChip® Instrument System, GeneChip® Fluidics Station 450, GeneChip® Hybridization Oven 645, GeneChip® QC Toolbox Software Kit , GeneChip® Scanner 3000 7G plus Targeted Genotyping System, GeneChip® Scanner 3000 7G Whole-Genome Association System, GeneTitan™ Instrument , and GeneChip® Array Station (each available from Affymetrix, Santa Clara, California); Densitometers (e.g. X-Rite-508-Spectro Densitometer® (available from RP Imaging™, Tucson, Arizona), The HYRYS™ 2 HIT densitometer (available from Sebia Electrophoresis, Norcross, Georgia); automated Fluorescence *in situ* hybridization systems (see for example, United States Patent 6,136,540); 2D gel imaging systems coupled with 2-D imaging software; microplate readers; Fluorescence activated cell sorters (FACS) (e.g. Flow Cytometer FACSVantage SE, (available from Becton Dickinson, Franklin Lakes, New Jersey); and radio isotope analyzers (e.g. scintillation counters).

[000116] The sequence information determined in the determination module can be read by the storage device 30. As used herein the "storage device" 30 is intended to include any suitable computing or processing apparatus or other device configured or adapted for storing data or information. Examples of electronic apparatus suitable for use with various embodiments described herein can include stand-alone computing apparatus, data telecommunications networks, including local area networks (LAN), wide area networks (WAN), Internet, Intranet, and Extranet, and local and distributed computer processing systems. Storage devices 30 also include, but are not limited to: magnetic storage media, such as floppy discs, hard disc storage media, magnetic tape, optical storage media such as CD-ROM, DVD, electronic storage media such as RAM, ROM, EPROM, EEPROM and the like, general hard disks and hybrids of these categories such as magnetic/optical storage media. The storage device 30 is adapted or configured for having recorded thereon sequence information or expression level information. Such information may be provided in digital form that can be transmitted and read electronically, e.g., via the Internet, on diskette, via USB (universal serial bus) or via any other suitable mode of communication.

[000117] As used herein, "expression level information" refers to any nucleotide expression level information, including but not limited to full-length nucleotide sequences, partial nucleotide sequences, or mutated sequences. Moreover, information "related to" the expression level information includes detection of the presence or absence of a sequence (e.g., presence or absence of a nucleotide sequence), determination of the concentration of a sequence in the sample (e.g., nucleotide (RNA or DNA) expression levels), and the like.

[000118] As used herein, "stored" refers to a process for encoding information on the storage device 30. Those skilled in the art can readily adopt any of the presently known methods for

recording information on known media to generate manufactures comprising the sequence information or expression level information.

[000119] A variety of software programs and formats can be used to store the sequence information or expression level information on the storage device. Any number of data processor structuring formats (e.g., text file or database) can be employed to obtain or create a medium having recorded thereon the sequence information or expression level information.

[000120] By providing sequence information or expression level information in computer-readable form, one can use the sequence information or expression level information in readable form in the comparison module 80 to compare a specific sequence or expression profile with the reference data within the storage device 30. In some embodiments, the comparison module 80 can also include bioinformatics analysis tools for next-generation sequencing data (e.g., short-read sequence data). Examples of bioinformatics analysis tools for next-generation sequencing (NGS) data can include any commercial NGS analysis packages that are compatible with the sequenced reads obtained from the NGS instrument. The NGS analysis package can include a sequence mapping tool for mapping sequences (e.g., short-read sequences) to a reference genome, sequence assembly tool for *de novo* assembly of overlapping reads to form contiguous nucleic acid sequence, a genome browser, and any combinations thereof. Examples of short-read alignment tools for mapping miRNA sequences to a reference genome can include, without limitations, Bfast, BioScope, Bowtie, Burrows-Wheeler Aligner (BWA), CLC bio, CloudBurst, Eland/Eland2, Exonerate, GenomeMapper, GnuMap, Karma, MAQ, MOM, Mosaik, MrFAST/MrsFAST, NovoAlign, PASS, PerM, RazerS, RMAP, SSAHA2, Segemehl, SeqMap, SHRiMP, Slider/SliderII, SOAP/SOAP2, Srprism, Stampy, vmatch, ZOOM and any art-recognized alignment tools that can be used to align short-read sequences to a reference genome. In one embodiment, Burrows-Wheeler Aligner (BWA) can be used to map miRNA sequences to a reference genome (e.g., a human genome). Examples of sequence assembly tools include, but are not limited to, ABySS, ALLPATHS, Edena, Euler-SR, SHARCGS, SHARP, SSAKE, Velvet and any other art-recognized assembly tools. Different genome browsers can be used to visualize genomic maps, e.g., generated after sequence alignment to a reference genome.

[000121] In one embodiment, the comparison module 80 uses sequence information alignment programs such as BLAST (Basic Local Alignment Search Tool) or FAST (using the Smith-Waterman algorithm) that may be employed individually or in combination. These algorithms determine the alignment between similar regions of sequences and a percent identity between sequences.

[000122] In some embodiments, the comparison module can include a pattern recognition pattern that can be pre-trained with different reference data sets such as data sets comprising profiles of miRNA sequences obtained from different state of a tissue (e.g., normal data set vs. diseased or

abnormal data set; or data sets corresponding to different stages of a disease or disorder and a normal data set).

[000123] Accordingly, in some embodiments, the comparison module can compare a profile of miRNA sequences of a biological sample determined by the determination module 40 to reference data stored on the storage device 30, and classify the biological sample into a specific state (e.g., normal, diseased or abnormal, and/or a given stage of a disease or disorder). For example, comparison programs can be used to compare an expression level of a miRNA sequence in a biological sample to a reference data expression level (e.g., sequence data from a control/ reference sample described herein) and/or profiles of miRNA sequences in a biological sample to reference data expression profiles (e.g., sequence data from a control/ reference sample described herein). The comparison made in computer-readable form provides a computer readable comparison result, which can be processed by a variety of means. Content 140 based on the comparison result can be retrieved from the comparison module 80 to indicate a given state of a cell or a tissue, and/or whether a subject has, or is at risk of developing of a disease or disorder, or a given state of the disease or disorder.

[000124] In one embodiment, the reference data stored in the storage device 30 to be read by the comparison module 80 is sequence information data obtained from a reference sample described herein or a control biological sample of the same type as the biological sample to be tested. Alternatively, the reference data are a database, e.g., a collection of sequence information data obtained from a plurality of reference samples described herein and control biological samples of the same type as the biological sample to be tested. For example, reference data can include profiles of miRNA sequences that are indicative of a given state of a cell or tissue and/or a disease or disorder of interest or a given state of the disease or disorder. In one embodiment, the reference data can include sequence information of miRNA sequences and/or profiles of miRNA sequences that are indicative of a disease or disorder of interest, e.g., a disease or disorder afflicting a tissue, and or different stages of a disease or disorder of interest, e.g., different stages of cancer. By way of example only, reference data stored in a system for diagnosing and/or prognosing breast cancer can include, but not limited to, (a) profile(s) of miRNA sequences obtained from one or a group of normal subjects, (b) profile(s) of miRNA sequences obtained from one or a group of subjects having a given stage of breast cancer (e.g., DCIS, lobular carcinoma *in situ*, INV, etc.); (c) profile(s) of miRNA obtained from a normal tissue of the test subject, profile(s) of miRNA sequences obtained from a diseased or abnormal tissue of the test subject that was previously diagnosed, and any combinations thereof.

[000125] In one embodiment, the reference data are electronically or digitally recorded and annotated from databases including, but not limited to GenBank (NCBI) protein and DNA databases

such as genome, ESTs, SNPS, Traces, Celara, Ventor Reads, Watson reads, HGTS, and the like; Swiss Institute of Bioinformatics databases, such as ENZYME, PROSITE, SWISS-2DPAGE, Swiss-Prot and TrEMBL databases; the Melanie software package or the ExPASy WWW server, and the like; the SWISS-MODEL, Swiss-Shop and other network-based computational tools; the Comprehensive Microbial Resource database (available from The Institute of Genomic Research). The resulting information can be stored in a relational database that may be employed to determine homologies between the reference data or genes or proteins within and among genomes.

[000126] The "comparison module" 80 can use a variety of available software programs and formats for the comparison operative to compare sequence information determined in the determination module 40 to reference data. In one embodiment, the comparison module 80 is configured to use pattern recognition techniques to compare sequence information from one or more entries to one or more reference data patterns. The comparison module 80 can be configured using existing commercially-available or freely-available software for comparing patterns, and may be optimized for particular data comparisons that are conducted. The comparison module 80 provides computer readable information related to the sequence information that can include, for example, detection of the presence or absence of a miRNA sequence; determination of the concentration of a miRNA sequence in the sample, or determination of an expression profile.

[000127] The comparison module 80, or any other module described herein, may include an operating system (e.g., UNIX) on which runs a relational database management system, a World Wide Web application, and a World Wide Web server. World Wide Web application includes the executable code necessary for generation of database language statements (e.g., Structured Query Language (SQL) statements). Generally, the executables will include embedded SQL statements. In addition, the World Wide Web application may include a configuration file, which contains pointers and addresses to the various software entities that comprise the server as well as the various external and internal databases which must be accessed to service user requests. The Configuration file also directs requests for server resources to the appropriate hardware--as may be necessary should the server be distributed over two or more separate computers. In one embodiment, the World Wide Web server supports a TCP/IP protocol. Local networks such as this are sometimes referred to as "Intranets." An advantage of such Intranets is that they allow easy communication with public domain databases residing on the World Wide Web (e.g., the GenBank or Swiss Pro World Wide Web site). Thus, in a particular preferred embodiment provided herein, users can directly access data (via Hypertext links for example) residing on Internet databases using a HTML interface provided by Web browsers and Web servers. In one embodiment, users can access data residing on Cloud storage.

[000128] Various algorithms or software packages are available which are useful for comparing and analyzing sequence information and/or expression data determined in the determination module 40. For example, various software packages for next-generation sequencing (NGS) analysis are available in the commercial and/or public domains. Exemplary software packages for NGS analysis can include, without limitations, sequence alignment tools as discussed above; *de novo* alignment and/or assembly tools as discussed above; integrated solutions, such as CLCbio Genomics Workbench, Galaxy, Genomatix, JMP Genomics, NExtGENE, SeqMan Genome Analyzer, SHORE, SlimSearch; genome browser (including alignment viewer and/or assembly database) such as EagleView, LookSeq, MapView, Sequence Assembly Manager, STADEN, XMatchView; software packages for transciptomics such as ERANGE, S-Mo.R-Se, MapNext, QPalma, RSAT, TopHat; or any combinations thereof.

[000129] In some embodiments, when the sequence information is determined by microarray-based methods, various software packages for microarray analysis can be used, e.g., but not limited to, GeneChip® Sequence Analysis Software (GSEQ), GeneChip® Targeted Genotyping Analysis Software (GTGS) and Expression Console™ Software. Accordingly, depending on methods used to produce sequence information in the determination module 40, various sequence analysis software can be used.

[000130] In one embodiment described herein, pattern comparison software is used to compare an expression profile of miRNA sequences to a reference data for determining a given state of a cell or tissue, or whether the expression profiled obtained from a test subject is indicative of a disease or disorder, or a given state of a disease or disorder.

[000131] The comparison module 80 provides computer readable comparison result that can be processed in computer readable form by predefined criteria, or criteria defined by a user, to provide a content based in part on the comparison result that may be stored and output as requested by a user using a display module 110. The display module 110 enables display of a content 140 based in part on the comparison result for the user, wherein the content 140 is a signal indicative of a subject having, or being at risk of developing or being at a given stage of a disease or disorder, or a signal indicative of the subject having no risk of the disease or disorder. Such signal, can be for example, a display of content 140 indicative of the presence or absence of increased risk for a disease or disorder, or a given state of a disease or disorder on a computer monitor, a printed page of content 140 indicating the presence or absence of increased risk for a given state of a disease or disorder from a printer, or a light or sound indicative of the presence or absence of increased risk for a given state of a disease or disorder.

[000132] The content 140 based on the comparison result can include an expression profile of one or more miRNA sequences determined from the test subject. In one embodiment, the content 140

based on the comparison result can include a comparison of the miRNA expression profile between the test subject and one or more reference samples described herein. In one embodiment, the content 140 based on the comparison result is merely a signal indicative of the presence or absence of an increased risk of a given state of a disease or disorder.

[000133] In one embodiment provided herein, the content 140 based on the comparison result is displayed a on a computer monitor. In one embodiment, the content 140 based on the comparison result is displayed through printable media. The display module 110 can be any suitable device configured to receive from a computer and display computer readable information to a user. Non-limiting examples include, for example, general-purpose computers such as those based on INTEL® processor, QUALCOMM® processors, Sun Microsystems processors, Hewlett-Packard processors, any of a variety of processors available from Advanced Micro Devices (AMD) of Sunnyvale, California, or any other type of processors (including mobile processors), visual display devices such as tablet computers, flat panel displays, cathode ray tubes and the like, as well as computer printers of various types.

[000134] In one embodiment, a World Wide Web browser is used for providing a user interface for display of the content 140 based on the comparison result. It should be understood that other modules described herein can be adapted to have a web browser interface. Through the Web browser, a user may construct requests for retrieving data from the comparison module. Thus, the user will typically point and click to user interface elements such as buttons, pull down menus, scroll bars and the like conventionally employed in graphical user interfaces. The requests formulated with the user's Web browser are transmitted to a Web application which formats them to produce a query that can be employed to extract the pertinent information related to the sequence information, e.g., but not limited to, display of nucleotide (RNA or DNA) expression levels; or display of information based thereon. In one embodiment, the sequence information of the reference sample data is also displayed.

[000135] In one embodiment, the display module 110 displays the comparison result based on sequence information and whether the comparison result is indicative of a disease or disorder, or a given stage of a disease or disorder. For example, in the case of diagnosis of breast cancer, the display module 110 can display the comparison result based on determined sequence information and whether the comparison results is indicative of breast cancer, or a particular stage of breast cancer (e.g., duct carcinoma *in situ*, lobular carcinoma *in situ*, invasive, etc.).

[000136] In one embodiment, the content 140 based on the comparison result that is displayed is a signal (e.g. positive or negative signal) indicative of the presence or absence of an increased risk for a disease or disorder, or a given stage of the disease or disorder, thus only a positive or negative indication may be displayed.

[000137] In any embodiments, the comparison module can be executed by a computer implemented software as discussed earlier. In such embodiments, a result from the comparison module can be displayed on an electronic display. The result can be displayed by graphs, numbers, characters or words. In additional embodiments, the results from the comparison module can be transmitted from one location to at least one other location. For example, the comparison results can be transmitted via any electronic media, e.g., internet, fax, phone, a "cloud" system, and any combinations thereof. Using the "cloud" system, users can store and access personal files and data or perform further analysis on a remote server rather than physically carrying around a storage medium such as a DVD or thumb drive.

[000138] Each of the above identified modules or programs corresponds to a set of instructions for performing a function described above. These modules and programs (i.e., sets of instructions) need not be implemented as separate software programs, procedures or modules, and thus various subsets of these modules may be combined or otherwise re-arranged in various embodiments. In some embodiments, memory may store a subset of the modules and data structures identified above. Furthermore, memory may store additional modules and data structures not described above.

[000139] The illustrated aspects of the disclosure may also be practiced in distributed computing environments where certain tasks are performed by remote processing devices that are linked through a communications network. In a distributed computing environment, program modules can be located in both local and remote memory storage devices.

[000140] Moreover, it is to be appreciated that various components described herein can include electrical circuit(s) that can include components and circuitry elements of suitable value in order to implement the embodiments of the subject innovation(s). Furthermore, it can be appreciated that many of the various components can be implemented on one or more integrated circuit (IC) chips. For example, in one embodiment, a set of components can be implemented in a single IC chip. In other embodiments, one or more of respective components are fabricated or implemented on separate IC chips.

[000141] What has been described above includes examples of the embodiments of the present invention. It is, of course, not possible to describe every conceivable combination of components or methodologies for purposes of describing the claimed subject matter, but it is to be appreciated that many further combinations and permutations of the subject innovation are possible. Accordingly, the claimed subject matter is intended to embrace all such alterations, modifications, and variations that fall within the spirit and scope of the appended claims. Moreover, the above description of illustrated embodiments of the subject disclosure, including what is described in the Abstract, is not intended to be exhaustive or to limit the disclosed embodiments to the precise forms disclosed. While specific embodiments and examples are described herein for illustrative purposes, various modifications are

possible that are considered within the scope of such embodiments and examples, as those skilled in the relevant art can recognize.

[000142] In particular and in regard to the various functions performed by the above described components, devices, circuits, systems and the like, the terms used to describe such components are intended to correspond, unless otherwise indicated, to any component which performs the specified function of the described component (e.g., a functional equivalent), even though not structurally equivalent to the disclosed structure, which performs the function in the herein illustrated exemplary aspects of the claimed subject matter. In this regard, it will also be recognized that the innovation includes a system as well as a computer-readable storage medium having computer-executable instructions for performing the acts and/or events of the various methods of the claimed subject matter.

[000143] The aforementioned systems/circuits/modules have been described with respect to interaction between several components/blocks. It can be appreciated that such systems/circuits and components/blocks can include those components or specified sub-components, some of the specified components or sub-components, and/or additional components, and according to various permutations and combinations of the foregoing. Sub-components can also be implemented as components communicatively coupled to other components rather than included within parent components (hierarchical). Additionally, it should be noted that one or more components may be combined into a single component providing aggregate functionality or divided into several separate sub-components, and any one or more middle layers, such as a management layer, may be provided to communicatively couple to such sub-components in order to provide integrated functionality. Any components described herein may also interact with one or more other components not specifically described herein but known by those of skill in the art.

[000144] In addition, while a particular feature of the subject innovation may have been disclosed with respect to only one of several implementations, such feature may be combined with one or more other features of the other implementations as may be desired and advantageous for any given or particular application. Furthermore, to the extent that the terms "includes," "including," "has," "contains," variants thereof, and other similar words are used in either the detailed description or the claims, these terms are intended to be inclusive in a manner similar to the term "comprising" as an open transition word without precluding any additional or other elements.

[000145] As used in this application, the terms "component," "module," "system," or the like are generally intended to refer to a computer-related entity, either hardware (e.g., a circuit), a combination of hardware and software, software, or an entity related to an operational machine with one or more specific functionalities. For example, a component may be, but is not limited to being, a process running on a processor (e.g., digital signal processor), a processor, an object, an executable,

a thread of execution, a program, and/or a computer. By way of illustration, both an application running on a controller and the controller can be a component. One or more components may reside within a process and/or thread of execution and a component may be localized on one computer and/or distributed between two or more computers. Further, a "device" can come in the form of specially designed hardware; generalized hardware made specialized by the execution of software thereon that enables the hardware to perform specific function; software stored on a computer-readable medium; or a combination thereof.

[000146] In view of the exemplary systems described above, methodologies that may be implemented in accordance with the described subject matter will be better appreciated with reference to the flowcharts of the various figures. For simplicity of explanation, the methodologies are depicted and described as a series of acts. However, acts in accordance with this disclosure can occur in various orders and/or concurrently, and with other acts not presented and described herein. Furthermore, not all illustrated acts may be required to implement the methodologies in accordance with the disclosed subject matter. In addition, those skilled in the art will understand and appreciate that the methodologies could alternatively be represented as a series of interrelated states via a state diagram or events. Additionally, it should be appreciated that the methodologies disclosed in this specification are capable of being stored on an article of manufacture to facilitate transporting and transferring such methodologies to computing devices. The term article of manufacture, as used herein, is intended to encompass a computer program accessible from any computer-readable device or storage media.

[000147] Provided herein therefore relates to systems 10 (and computer readable medium 200 for causing computer systems) to perform methods for determining a given stage of a cell or a tissue, and/or whether a subject has, or is at risk of developing, or is at a given stage of a disease, e.g., cancer, or disorder, based on expression profiles of miRNA sequences.

[000148] System 10, and computer readable medium 200, are merely an illustrative embodiments provided herein for performing methods of determining whether an individual has a specific disease or disorder or a pre-disposition, for a specific disease or disorder based on expression profiles or sequence information, and are not intended to limit the scope described herein. Variations of system 10, and computer readable medium 200, are possible and are intended to fall within the scope described herein.

[000149] The modules of the machine, or used in the computer readable medium, may assume numerous configurations. For example, function may be provided on a single machine or distributed over multiple machines.

Reference sample(s) or reference data

[000150] As used herein, a reference sample can include a normal or negative control, alternatively a disease (or disorder) or positive control, against which biological samples can be compared. Therefore, it can be determined whether the biological sample to be evaluated for a specific disease or disorder, or a stage of a disease or disorder, has measurable difference or substantially no difference, as compared to a reference sample. A normal or healthy sample or tissue refers to a sample or tissue that does not have a disease or disorder to be evaluated.

[000151] The reference sample can be obtained from the patient to be diagnosed or prognosed, or from a different subject, who is preferably of same age and/ or race.

[000152] In one embodiment, the reference sample can be obtained from the same patient at the same time that the biological sample is taken. In one embodiment, the reference sample can be taken from a normal and/or healthy tissue of the same patient. In one embodiment, the reference sample can be taken from a normal and/or healthy tissue, for example tissue taken adjacent to the cancer, such as within 1 or 2 cm diameter from the leading front of the tumor. Alternatively, the reference sample can be taken from an equivalent position in the subject's body, for example in the case of breast cancer, a reference sample can be taken from any area of the breast which is not cancerous. In another embodiment, the reference sample can be a disease or abnormal sample taken previously from the same patient, against which a new biological sample can be compared to provide an evaluation of the therapeutic treatment efficacy.

[000153] In one embodiment, the reference sample can be a sample taken previously, e.g., a sample of the same or a different cancer/tumor, the comparison of which can, for example, provide characterization of the source of the new tumor, and/or progression or development of an existing cancer, such as before, during or after therapeutic treatment. For example, the reference sample can be obtained from a different patient, e.g., it can be a control sample, or a collection of control samples, representing different stages or different types of diseases or disorders. In one embodiment, the reference sample can be a control sample or a collection of control samples, representing different stages of a specific cancer (e.g., cancer staging samples) or different types of cancer, for example those listed herein (i.e., cancer reference samples). Comparison of the biological sample data with data obtained from such cancer staging or cancer reference samples can, for example, allow for the characterization of the assessed cancer to a specific stage and/or type of cancer.

[000154] Depending on various applications, the reference sample can comprise a sample derived from a tissue type that is same as or different from the tissue type of a biological sample. In some embodiments wherein the tissue origin of a biological sample is unknown, the level(s) and/or profile of the miRNA present in the biological sample can be compared to a set of reference samples of different tissue origins in order to identify the tissue origin of the biological sample. In some embodiments where the tissue origin of a biological sample is known or believed to be known (e.g.,

while a tissue biopsy is known to be collected from a lung tissue, the sample can comprise cells originated from breast due to metastasis), the reference sample(s) can comprise a sample of the same tissue type as the biological sample, and/or a sample of a different tissue type from the biological sample. By comparison between the biological sample and reference sample(s), tissue origin of the biological sample can be validated and/or identified.

[000155] As used herein, the term "reference data" refers to data obtained from a reference sample as described herein, or a collection of reference samples as described herein.

Biological sample of a subject and preparation thereof

[000156] A "biological sample" subjected to analysis using the methods, assays and systems described herein generally refers to a sample taken or isolated from a subject or a biological organism. In some embodiments, the biological sample contains one or more cells, e.g., tissue culture mammalian cells, cell lysate, a tissue sample from a subject, a homogenate of a tissue sample from a subject or a fluid sample from a subject. Exemplary biological samples include, but are not limited to, blood (including whole blood, serum, cord blood, and plasma), sputum, urine, spinal fluid, pleural fluid, nipple aspirates, lymph fluid, the external sections of the skin, respiratory, intestinal, and genitourinary tracts, tears, saliva, milk, feces, sperm, cells or cell cultures, serum, leukocyte fractions, smears, tissue samples of all kinds, embryos, etc. The term also includes both a mixture of the above-mentioned samples such as whole human blood containing a cell. The term "biological sample" also includes untreated or pretreated (or pre-processed) biological samples.

[000157] A "biological sample" can contain at least one cell or a plurality of cells from a subject. In some embodiments, the biological sample can contain one or more somatic cells from a subject. In other embodiments, the biological sample can contain one or more germ cells from a subject. In other embodiments, the biological sample can contain one or more stem cells from a subject.

[000158] In one embodiment, the biological sample can contain one or more cells from a subject's biological fluid sample. Examples of biological fluids include, but are not limited to, saliva, bone marrow, blood, serum, plasma, urine, sputum, cerebrospinal fluid, an aspirate, tears, and any combinations thereof.

[000159] For example, the biological sample can contain one or more circulating tumor cells from a subject's blood (including whole blood, serum, cord blood, and plasma). In some embodiments, the biological sample can contain at least one type of blood cells (e.g., red blood cells, white blood cells, platelets).

[000160] In one embodiment, the biological sample can contain one or more cells derived from any tissue of a subject, e.g., a tissue suspected of being at risk of, or being afflicted with a given stage of a disease or a disorder. Non-limiting examples of a tissue can include, but are not limited to,

breast, pancreas, blood, prostate, colon, lung, skin, brain, ovary, kidney, oral cavity, throat, liver, and any combinations thereof. In some embodiments, the tissue can be obtained from a resection, biopsy, or core needle biopsy. In addition, fine needle aspirate samples can be used. Samples can be either paraffin-embedded or frozen tissue.

[000161] The biological sample can be obtained by removing a sample of cells from a subject, but can also be accomplished by using previously isolated cells (e.g. isolated by another person). In addition, the biological sample can be freshly collected or a previously collected sample.

[000162] In some embodiments, the biological sample is a frozen biological sample, e.g., a frozen tissue or fluid sample such as urine, blood, serum or plasma. The frozen sample can be thawed before employing methods, assays and systems described herein. After thawing, a frozen sample can be centrifuged before being subjected to methods, assays and systems described herein.

[000163] In some embodiments, a biological sample can be a nucleic acid product derived from a tissue (e.g., fresh/frozen and paraffin-embedded) or a fluid sample (e.g., blood) of a subject or cultured cells. The nucleic acid product can include DNA, RNA, mRNA, miRNA, piRNA, siRNA, snRNA, miRNA molecules described herein, and any combinations thereof. In some embodiments, the nucleic acid product can comprise one or more miRNA molecules described herein.

[000164] In some embodiments, a biological sample can include RNA isolated from a tissue (e.g., fresh or frozen or paraffin-embedded) or a fluid sample (e.g., blood) of a subject or cultured cells. Nucleic acid and ribonucleic acid (RNA) molecules can be isolated from a particular biological sample using any of a number of procedures, which are well-known in the art, the particular isolation procedure chosen being appropriate for the particular biological sample. For example, freeze-thaw and alkaline lysis procedures can be useful for obtaining nucleic acid molecules from solid materials; heat and alkaline lysis procedures can be useful for obtaining nucleic acid molecules from urine; and proteinase K extraction can be used to obtain nucleic acid from blood (Roiff, A et al. PCR: Clinical Diagnostics and Research, Springer (1994)).

[000165] In one embodiment, a biological sample can include RNA isolated from a tissue (e.g., fresh or frozen or paraffin-embedded) by any known methods in the art. When the RNA sample is deemed to be of good quality (according to one of skill in the art), the sample can be subjected to further treatment, following recommended instructions as provided by various commercial RNA preparation kits available for RNA sequencing (e.g., the kits from Life Technologies). Depending on the length of RNA molecules of interest, in some embodiments, the RNA sample can be subjected to miRNA sequencing. In other embodiments, the RNA sample can be subjected to long RNA sequencing.

[000166] In some embodiments, a biological sample can be an enriched RNA fraction derived from a tissue (e.g., fresh/frozen and paraffin-embedded) or a fluid sample (e.g., blood) of a subject or

cultured cells, e.g., an RNA fraction enriched for non-coding RNAs. This can be achieved, for example, by removing mRNAs by use of affinity purification, e.g., using an oligodT column or any other art-recognized methods such as using commercial small RNA isolation kits.

[000167] In some embodiments, a biological sample can be a nucleic acid product or an RNA fraction amplified after polymerase chain reaction (PCR) or after reverse transcription-PCR. The nucleic acid product can include DNA (e.g., cDNA), RNA and mRNA and can be isolated from a particular biological sample using any of a number of procedures, which are well known in the art, the particular isolation procedure chosen being appropriate for the particular biological sample. Methods of isolating and analyzing nucleic acid variants as described above are well known to one skilled in the art and can be found, for example in the Molecular Cloning: A Laboratory Manual, 3rd Ed., Sambrook and Russel, Cold Spring Harbor Laboratory Press, 2001.

[000168] In some embodiments, the biological sample can be treated with a chemical and/or biological reagent. Chemical and/or biological reagents can be employed to protect and/or maintain the stability of the sample, including biomolecules (e.g., nucleic acids) therein, during processing. One exemplary reagent is an RNase inhibitor or RNA stabilizer, which is generally used to protect or maintain the stability of RNA during processing. In addition, or alternatively, chemical and/or biological reagents can be employed to release nucleic acid (e.g., miRNA molecules) from the biological sample.

[000169] The skilled artisan is well aware of methods and processes appropriate for pre-processing of biological samples required for determination of nucleic acid including miRNA molecules as described herein.

[000170] In some embodiments, a biological sample used for determining the level of one or more miRNAs can be a sample containing circulating miRNAs, e.g., extracellular miRNAs. Extracellular miRNAs freely circulate in a wide range of biological material, including bodily fluids, such as fluids from the circulatory system, e.g., a blood sample or a lymph sample, or from another bodily fluid such as cerebrospinal fluid (CSF), urine or saliva. Accordingly, in some embodiments, the biological sample used for determining the level of one or more miRNAs can be a bodily fluid, for example, blood, fractions thereof, serum, plasma, urine, saliva, tears, sweat, semen, vaginal secretions, lymph, bronchial secretions, CSF, etc. In some embodiments, the sample is a sample that is obtained non-invasively.

[000171] Circulating miRNAs include miRNAs in cells (cellular miRNA), extracellular miRNAs in microvesicles (microvesicle-associated miRNA), and extracellular miRNAs that are not associated with cells or microvesicles (extracellular, non-vesicular miRNA).

[000172] The biological sample is generally obtained from a subject who has or is suspected of having a disease or disorder, e.g., a condition afflicting a tissue, or who is suspected of having a risk

of developing a disease or disorder, e.g., a condition afflicting a tissue. In some embodiments, the biological sample can be obtained from a subject who has or is suspected of having cancer, or who is suspected of having a risk of developing cancer. By way of example only, in one embodiment, the biological sample can be obtained from a subject who has or is suspected of having breast cancer, or who is suspected of having a risk of breast cancer. In another embodiment, the biological sample can be obtained from a subject who has or is suspected of having pancreatic cancer, or who is suspected of having a risk of pancreatic cancer.

[000173] In some embodiments, the biological sample can be obtained from a subject who is being treated for the disease or disorder, e.g., but not limited to, cancer such as breast cancer or pancreatic cancer. In other embodiments, the biological sample can be obtained from a subject whose previously-treated disease or disorder, e.g., but not limited to, cancer such as breast cancer or pancreatic cancer, is in remission. In other embodiments, the biological sample can be obtained from a subject who has a recurrence of a previously-treated disease or disorder, e.g., but not limited to, cancer such as breast cancer or pancreatic cancer.

[000174] As used herein, a "subject" can mean a human or an animal. Examples of subjects include primates (e.g., humans, and monkeys). Usually the animal is a vertebrate such as a primate, rodent, domestic animal or game animal. Primates include chimpanzees, cynomologous monkeys, spider monkeys, and macaques, e.g., Rhesus. Rodents include mice, rats, woodchucks, ferrets, rabbits and hamsters. Domestic and game animals include cows, horses, pigs, deer, bison, buffalo, feline species, e.g., domestic cat, canine species, e.g., dog, fox, wolf, and avian species, e.g., chicken, emu, ostrich. A patient or a subject includes any subset of the foregoing, e.g., all of the above, or includes one or more groups or species such as humans, primates or rodents. In certain embodiments of the aspects described herein, the subject is a mammal, e.g., a primate, e.g., a human. The terms, "patient" and "subject" are used interchangeably herein. A subject can be male or female. The term "patient" and "subject" does not denote a particular age. Thus, any mammalian subjects from adult to newborn subjects, as well as fetuses, are intended to be covered.

[000175] In one embodiment, the subject or patient is a mammal. The mammal can be a human, non-human primate, mouse, rat, dog, cat, horse, or cow, but are not limited to these examples. In one embodiment, the subject is a human being. In another embodiment, the subject can be a domesticated animal and/or pet. In some embodiments, the subject is a human.

Pharmaceutical compositions and administration methods

[000176] In some embodiments, a subject in need thereof, e.g., whose level(s) of one or more miRNAs (as selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 in Tables 1-3) in a biological sample are determined to be over-expressed or under-expressed, can be administered with a miRNA-

related therapeutic. In some embodiments, the miRNA-related therapeutic is an antagonist against a target miRNA that inhibit the function of the target miRNA. As used herein, the term "antagonist" is used in the broadest sense, and includes any molecule that partially or fully blocks, inhibits, or neutralizes a biological activity of a microRNA disclosed herein. Suitable antagonist molecules specifically include, but are not limited to antisense oligonucleotides, small organic molecules, aptamers, etc. Methods for identifying antagonists of a microRNA can comprise contacting a target microRNA with a candidate antagonist molecule and measuring a detectable change in one or more biological activities normally associated with the microRNA. Accordingly, one aspect provides a pharmaceutical composition comprising an antagonist against one or more miRNAs selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 in Tables 1-3.

[000177] In some embodiments, the miRNA-related therapeutic is a mimic of a target miRNA that induces or restores the function of the target miRNA. As used herein, the term "mimic" refers to a molecule (e.g., an oligonucleotide) that is capable of mimicking the activity of a miRNA molecule. In some embodiments, a miRNA mimic is a molecule (e.g., an oligonucleotide) that is capable of mimicking at least about 30% or above (including, e.g., at least about 40%, at least about 50%, at least about 60%, at least about 70%, at least about 80%, at least about 90%, at least about 95%, at least about 97%, at least about 99%, or up to 100%) of the activity of a miRNA molecule. Accordingly, a pharmaceutical composition comprising a mimic of one or more miRNAs selected from SEQ ID NO: 1 to SEQ ID NO: 47,972 in Tables 1-3 is also provided herein. In some embodiments, the pharmaceutical composition can comprise engineered transcripts that can "sponge" various combinations of the miRNAs described herein, or any combinations thereof.

[000178] In some embodiments, the miRNA mimics can be a double-stranded and/or blunt-ended oligonucleotide, which means the oligonucleotide is double-stranded throughout the molecule and/or blunt-ended on both ends. In some embodiments, the miRNA mimics can be a single-strand oligonucleotide. In some embodiments, the single-stranded oligonucleotide can comprise a hairpin structure. Methods of making miRNA mimics are known in the art, e.g., as described in the International Patent Publication No. WO 2012/106586, which is incorporated herein by reference.

[000179] In some embodiments where the miRNA antagonists or miRNA mimics comprise an oligonucleotide, the oligonucleotide can be modified. For example, in some embodiments, the backbone of the oligonucleotides described herein can be modified, e.g., to stabilize the oligonucleotides for in vivo delivery. For example, the modified backbone of the oligonucleotides can comprise morpholino subunits, phosphorothioate subunits, locked nucleic acid (LNA), peptide nucleic acid (PNC), hexitol nucleic acid (HNA), or any combinations thereof. See, e.g., Singh Y. et al. Chem. Soc. Rev., 2010, 39, 2054-2070 for additional information about various examples of oligonucleotide backbones.

[000180] Additionally or alternatively, the oligonucleotides can be modified for a desired property, e.g., improved cell delivery, cell-targeting delivery, and/or enhanced stability. By way of example only, the oligonucleotides can be modified by conjugating it to a delivery-targeting moiety. As used herein, the term "delivery-targeting moiety" refers to a moiety that can facilitate binding of an oligonucleotide to the outer surface of a cell and/or uptake or endocytosis of the oligonucleotide into the cell. Any art-recognized delivery-targeting moiety, e.g., but not limited to, antibodies, peptides, proteins, aptamers, dendrimers, and molecules, can be used. In some embodiments, the delivery-targeting moiety is a cell surface receptor ligand. As used herein, a "cell surface receptor ligand" refers to a molecule that can bind to the outer surface of a cell. Exemplary, cell surface receptor ligand includes, for example, a cell surface receptor binding peptide, a cell surface receptor binding glycopeptide, a cell surface receptor binding protein, a cell surface receptor binding glycoprotein, a cell surface receptor binding organic compound, and a cell surface receptor binding drug.

[000181] Cell surface receptor ligands include, but are not limited to, cytokines, growth factors, hormones, antibodies, and angiogenic factors.

[000182] In some embodiments, the delivery-targeting moiety can also refer to a molecule that binds to or interacts with a target molecule. Typically the nature of the interaction or binding is noncovalent, e.g., by hydrogen, electrostatic, or van der Waals interactions, however, binding may also be covalent.

[000183] In some embodiments, the delivery-targeting moiety can include an endosomolytic ligand. As used herein, the term "endosomolytic ligand" refers to molecules having endosomolytic properties. Endosomolytic ligands promote the lysis of and/or transport of the composition of the invention, or its components, from the cellular compartments such as the endosome, lysosome, endoplasmic reticulum (ER), Golgi apparatus, microtubule, peroxisome, or other vesicular bodies within the cell, to the cytoplasm of the cell. Some exemplary endosomolytic ligands include, but are not limited to, imidazoles, poly or oligoimidazoles, linear or branched polyethyleneimines (PEIs), linear and brached polyamines, e.g. spermine, cationic linear and branched polyamines, polycarboxylates, polycations, masked oligo or poly cations or anions, acetals, polyacetals, ketals/polyketals, orthoesters, linear or branched polymers with masked or unmasked cationic or anionic charges, dendrimers with masked or unmasked cationic or anionic charges, polyanionic peptides, polyanionic peptidomimetics, pH-sensitive peptides, natural and synthetic fusogenic lipids, natural and synthetic cationic lipids.

[000184] In some embodiments, the delivery-targeting moiety can include a PK modulating ligand and/or PK modulator. As used herein, the terms "PK modulating ligand" and "PK modulator" refers to molecules which can modulate the pharmacokinetics (PK) of the composition described herein. Some exemplary PK modulator include, but are not limited to, lipophilic molecules, bile acids,

sterols, phospholipid analogues, peptides, protein binding agents, vitamins, fatty acids, phenoxazine, aspirin, naproxen, ibuprofen, suprofen, ketoprofen, (S)-(+)-pranoprofen, carprofen, PEGs, biotin, and transthyretia-binding ligands (e.g., tetraiidothyroacetic acid, 2, 4, 6-triiodophenol and flufenamic acid).

[000185] In some embodiments, the oligonucleotides described herein can be conjugated to a molecule in any methods known in the art. By way of example only, the oligonucleotides can be conjugated in the following methods: (i) peptide- oligonucleotide conjugates (POCs); (ii) carbohydrate-oligonucleotide conjugates (COCs); (iii) lipophilic oligonucleotide conjugates (LOCs); (iv) metal complex-oligonucleotide conjugates (MCOCs); (v) nanoparticle-oligonucleotide conjugates (NOCs); (vi) these can include bifunctional oligonucleotides, which have one domain that hybridizes to target RNA and a second domain that attracts activator proteins; (vii) peptide-conjugated oligonucleotides, which can be fused to a peptide domain consisting of cationic and hydrophobic residues that facilitates cell entry; (viii) cell penetrating peptide-oligonucleotide; and (ix) any combinations thereof. See, e.g., Singh Y. et al. Chem. Soc. Rev., 2010, 39, 2054-2070 for additional information about some conjugation methods of oligonucleotides to a molecule.

[000186] In some embodiments, the oligonucleotides can be conjugated to a carrier molecule. In some embodiments, a carrier molecule can be a natural or synthetic polymer. For example, a carrier molecule can be cholesterol or an RNA aptamer and the like. A carrier molecule can be conjugated to the oligonucleotides at the 5' and/or 3' end, or at the 5' and/or 3' end of one of the strands, or at an internal nucleotide position.

[000187] In some embodiments, one or two strands of the oligonucleotides can be encoded by or delivered with a viral vector. A variety of viral vectors know in the art can be modified to express or carry an oligonucleotide into a target cell, for example herpes simplex virus- 1 or lentiviral vectors have been used to enhance the delivery of siRNA.

[000188] In some embodiments, an oligonucleotide can be associated with a non-viral vector. Non-viral vectors can be coupled to targeting and delivery enhancing moieties, such as antibodies, various polymers (e.g., PEG), fusogenic peptides, linkers, cell penetrating peptides and the like. Non-viral vectors include, but are not limited to liposomes and lipoplexes, polymers and peptides, synthetic particles and the like. In some embodiments, a liposome or lipoplex has a neutral, negative or positive charge and can comprise cardolipin, anisamide-conjugated polyethylene glycol, diolcoyl phosphatidylcholine, or a variety of other neutral, anionic, or cationic lipids or lipid conjugates. siRNAs can be complexed to cationic polymers (e.g., polyethylenimine (PEI)), biodegradable cationic polysaccharide (e.g., chitosan), or cationic polypeptides (e.g., atelocollagen, poly lysine, and protamine).

[000189] In some embodiments, oligonucleotide delivery can be enhanced by targeting the oligonucleotide to a cell. Targeting moieties can be conjugated to a variety of delivery compositions and provide selective or specific binding to a target cell(s). Targeting moieties can include, but are not limited to moieties that bind to cell surface receptors, cell specific extracellular polypeptide, saccharides or lipids, and the like. For example, small molecules such as folate, peptides such as RGD containing peptides, and antibodies such as antibodies to epidermal growth factor receptor can be used to target specific cell types.

[000190] In some embodiments, oligonucleotide delivery can be enhanced by moieties that interact with cellular mechanisms and machinery, such as uptake and intracellular trafficking. In certain aspects cell penetrating peptides (CPPs) (e.g., TAT and MPG from HIV-1, penetratin, polyarginine can be coupled with an siRNA or a delivery vector to enhance delivery into a cell. Fusogenic peptides (e.g., endodomain derivatives of HIV-1 envelope (HGP) or influenza fusogenic peptide (diINF-7)) can also be used to enhance cellular delivery.

[000191] A variety of delivery systems such as cholesterol-siRNA, RNA aptamers-siRNA, adenoviral vector, lentiviral vector, stable nucleic acid lipid particle (SNALP), cardiolipin analog-based liposome, DSPE-polyethylene glycol-DOTAP-cholesterol liposome, hyaluronan-DPPE liposome, neutral DOPC liposome, atelocollagen, chitosan, polyethylenimine, poly-lysine, protamine, RGD-polyethylene glycol-polyethylenimine, HER- 2 liposome with histidine-lysine peptide, HIV antibody-protamine, arginine, oligoarginine(9R) conjugated water soluble lipopolymer (WSLP), oligoarginine (15R), TAT- PAMAM, cholesterol-MPG-8, DOPE-cationic liposome, GALA peptide-PEG-MMP-2 cleavable peptide-DOPE and the like have been used to enhance the delivery of siRNA.

[000192] As described in detail below, the pharmaceutical compositions described herein can be specially formulated for administration in solid or liquid form, including those adapted for the following: (1) oral administration, for example, drenches (aqueous or non-aqueous solutions or suspensions), gavages, lozenges, dragees, capsules, pills, tablets (e.g., those targeted for buccal, sublingual, and systemic absorption), boluses, powders, granules, pastes for application to the tongue; (2) parenteral administration, for example, by subcutaneous, intramuscular, intravenous or epidural injection as, for example, a sterile solution or suspension, or sustained-release formulation; (3) topical application, for example, as a cream, ointment, or a controlled-release patch or spray applied to the skin; (4) intravaginally or intrarectally, for example, as a pessary, cream or foam; (5) sublingually; (6) ocularly; (7) transdermally; (8) transmucosally; (9) nasally; or (10) intrathecally. Additionally, one or more REST E2- and/or E3-skipping modulating agents can be implanted into a patient or injected using a drug delivery system. See, for example, Urquhart, et al., Ann. Rev. Pharmacol. Toxicol. 24: 199-236 (1984); Lewis, ed. "Controlled Release of Pesticides and

Pharmaceuticals" (Plenum Press, New York, 1981); U.S. Pat. No. 3,773,919; and U.S. Pat. No. 35 3,270,960, content of all of which is herein incorporated by reference.

[000193] As used here, the term "pharmaceutically acceptable" refers to those compounds, materials, compositions, and/or dosage forms which are, within the scope of sound medical judgment, suitable for use in contact with the tissues of human beings and animals without excessive toxicity, irritation, allergic response, or other problem or complication, commensurate with a reasonable benefit/risk ratio.

[000194] As used here, the term "pharmaceutically-acceptable carrier" means a pharmaceutically-acceptable material, composition or vehicle, such as a liquid or solid filler, diluent, excipient, manufacturing aid (e.g., lubricant, talc magnesium, calcium or zinc stearate, or steric acid), or solvent encapsulating material, involved in carrying or transporting the subject compound from one organ, or portion of the body, to another organ, or portion of the body. Each carrier must be "acceptable" in the sense of being compatible with the other ingredients of the formulation and not injurious to the patient. Some examples of materials which can serve as pharmaceutically-acceptable carriers include: (1) sugars, such as lactose, glucose and sucrose; (2) starches, such as corn starch and potato starch; (3) cellulose, and its derivatives, such as sodium carboxymethyl cellulose, methylcellulose, ethyl cellulose, microcrystalline cellulose and cellulose acetate; (4) powdered tragacanth; (5) malt; (6) gelatin; (7) lubricating agents, such as magnesium stearate, sodium lauryl sulfate and talc; (8) excipients, such as cocoa butter and suppository waxes; (9) oils, such as peanut oil, cottonseed oil, safflower oil, sesame oil, olive oil, corn oil and soybean oil; (10) glycols, such as propylene glycol; (11) polyols, such as glycerin, sorbitol, mannitol and polyethylene glycol (PEG); (12) esters, such as ethyl oleate and ethyl laurate; (13) agar; (14) buffering agents, such as magnesium hydroxide and aluminum hydroxide; (15) alginic acid; (16) pyrogen-free water; (17) isotonic saline; (18) Ringer's solution; (19) ethyl alcohol; (20) pH buffered solutions; (21) polyesters, polycarbonates and/or polyanhydrides; (22) bulking agents, such as polypeptides and amino acids (23) serum component, such as serum albumin, HDL and LDL; (22) C2-C12 alchols, such as ethanol; and (23) other non-toxic compatible substances employed in pharmaceutical formulations. Wetting agents, coloring agents, release agents, coating agents, sweetening agents, flavoring agents, perfuming agents, preservative and antioxidants can also be present in the formulation. The terms such as "excipient", "carrier", "pharmaceutically acceptable carrier" or the like are used interchangeably herein.

[000195] The amount of oligonucleotide which can be combined with a carrier material to produce a single dosage form will generally be that amount of the compound which produces a therapeutic effect. Generally out of one hundred percent, this amount will range from about 0.1% to 99% of oligonucleotide, preferably from about 5% to about 70%, most preferably from 10% to about 30%.

[000196] Toxicity and therapeutic efficacy can be determined by standard pharmaceutical procedures in cell cultures or experimental animals, e.g., for determining the LD50 (the dose lethal to 50% of the population) and the ED50 (the dose therapeutically effective in 50% of the population). The dose ratio between toxic and therapeutic effects is the therapeutic index and it can be expressed as the ratio LD50/ED50. Compositions that exhibit large therapeutic indices are preferred. As used herein, the term ED denotes effective dose and is used in connection with animal models. The term EC denotes effective concentration and is used in connection with in vitro models.

[000197] The data obtained from the cell culture assays and animal studies can be used in formulating a range of dosage for use in humans. The dosage of such compounds lies preferably within a range of circulating concentrations that include the ED50 with little or no toxicity. The dosage can vary within this range depending upon the dosage form employed and the route of administration utilized.

[000198] The therapeutically effective dose can be estimated initially from cell culture assays. A dose can be formulated in animal models to achieve a circulating plasma concentration range that includes the IC50 (i.e., the concentration of the therapeutic which achieves a half-maximal inhibition of symptoms) as determined in cell culture. Levels in plasma can be measured, for example, by high performance liquid chromatography. The effects of any particular dosage can be monitored by a suitable bioassay.

[000199] The dosage can be determined by a physician and adjusted, as necessary, to suit observed effects of the treatment. For example, a therapeutic dose range for the miRNA mimics can be 0.01-5.0 mg of miRNA per kg of patient body weight (mg/kg).

[000200] With respect to duration and frequency of treatment, it is typical for skilled clinicians to monitor subjects in order to determine when the treatment is providing therapeutic benefit, and to determine whether to increase or decrease dosage, increase or decrease administration frequency, discontinue treatment, resume treatment or make other alteration to treatment regimen. The dosing schedule can vary from once a week to daily depending on a number of clinical factors, such as the subject's sensitivity to the polypeptides. The desired dose can be administered everyday or every third, fourth, fifth, or sixth day. The desired dose can be administered at one time or divided into subdoses, e.g., 2-4 subdoses and administered over a period of time, e.g., at appropriate intervals through the day or other appropriate schedule. Such sub-doses can be administered as unit dosage forms. In some embodiments of the aspects described herein, administration is chronic, e.g., one or more doses daily over a period of weeks or months. Examples of dosing schedules are administration daily, twice daily, three times daily or four or more times daily over a period of 1 week, 2 weeks, 3 weeks, 4 weeks, 1 month, 2 months, 3 months, 4 months, 5 months, or 6 months or more.

[000201] In some embodiments, the pharmaceutical composition further includes at least a second therapeutic agent (e.g., an agent other than a miRNA antagonist or mimic described herein). Exemplary therapeutic agents that can formulated with a miRNA antagonist or mimic described herein include, but are not limited to, those found in Harrison's Principles of Internal Medicine, 17th Edition, 2008, McGraw-Hill N.Y., NY; Physicians Desk Reference, 63rd Edition, 2008, Thomson Reuters, N.Y., N.Y.; Goodman & Gilman's The Pharmacological Basis of Therapeutics, 11th Edition, 2005, McGraw-Hill N.Y., NY; United States Pharmacopeia, The National Formulary, USP - 32 NF-27, 2008, U.S. Pharmacopeia, Rockville, MD, the complete contents of all of which are incorporated herein by reference.

Kits

[000202] Based on the identification of novel miRNA sequences associated with a condition or disease, one aspect described herein also provides for the design and preparation of detection reagents needed to identify or detect one or more novel miRNAs disclosed herein in a biological sample of a subject. Examples of detection reagents that can be used to identify the disclosed miRNA sequences in a biological sample can include a primer and a probe, wherein the probe can selectively hybridize the miRNA of interest.

[000203] Accordingly, provided herein include kits for determining whether a subject has, or is at risk of developing, or is at a given stage of condition afflicting a tissue of interest. In some embodiments, the kits can be used for monitoring the response of a subject to a therapeutic treatment. The kits can include at least one reagent specific for detecting for the presence or absence of at least one novel miRNAs described herein, and instructions for use.

[000204] In one embodiment, a kit can comprise an oligonucleotide array affixed with a plurality of oligonucleotide probes that interrogate no more than 100 novel miRNAs described herein (including no more than 75 miRNAs, no more than 50 miRNAs, no more than 25 miRNAs, no more than 20 miRNAs, no more than 15 miRNAs, no more than 10 miRNAs, no more than 5 miRNAs or less), wherein the miRNAs comprise at least two or any combinations of the novel miRNAs disclosed in Tables 1-3 submitted herewith and incorporated herein by reference in their entireties, and an optional container containing a detectable label (e.g., comprising a fluorescent molecule) to be conjugated to a nucleotide molecule derived from a test sample of a human subject; and at least one reagent. Examples of a reagent that can be included in the kit can include, without limitations, a restriction enzyme, a universal adaptor to be conjugated to a nucleotide molecule, a primer complementary to the universal adaptor, a wash agent, and any combinations thereof.

[000205] In some embodiments, the plurality of oligonucleotide probes affixed to an oligonucleotide array can interrogate about 2-100 miRNAs, e.g., about 3-50 miRNAs, about 3-25

miRNAs, about 3-10 miRNAs, or about 3-5 miRNAs, wherein the miRNAs comprise at least two or any combinations of the novel miRNAs disclosed in Tables 1-3 submitted herewith and incorporated herein by reference in their entireties.

[000206] Additional reagents included in the kit can vary with the selection of a sequencing method described herein.

[000207] *Embodiments of various aspects described herein can be defined in any of the following numbered paragraphs:*

1. A method of determining whether a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest, or a method of determining tissue origin comprising measuring in a biological sample from the tissue of interest expression level of one or more of the miRNAs, wherein the miRNAs comprise a sequence selected from SEQ ID NO: 1 to SEQ ID NO: 47,972, wherein the alteration of the level of said one or more miRNAs as compared to the level of the same one or more miRNA in a reference sample is indicative of the subject either having, or being at risk of developing, or is at a given stage of the condition.
2. The method of paragraph 1, wherein the reference sample represents a normal condition of the tissue.
3. The method of paragraph 1, wherein the reference sample represents a recognizable stage of an abnormal condition of the tissue.
4. The method of any of paragraphs 1-3, wherein the tissue of interest is breast.
5. The method of any of paragraphs 1-3, wherein the tissue of interest is pancreas.
6. The method of any of paragraphs 1-3, wherein the tissue of interest is blood.
7. The method of any of paragraphs 1-3, wherein the tissue of interest is prostate.
8. The method of any of paragraphs 1-3, wherein the tissue of interest is colon.
9. The method of any of paragraphs 1-3, wherein the tissue of interest is lung.
10. The method of any of paragraphs 1-3, wherein the tissue of interest is skin.
11. The method of any of paragraphs 1-3, wherein the tissue of interest is brain.
12. The method of any of paragraphs 1-3, wherein the tissue of interest is liver.
13. The method of any of paragraphs 1-3, wherein the tissue of interest is heart.
14. The method of any of paragraphs 1-3, wherein the tissue of interest is muscle.
15. The method of any of paragraphs 1-3, wherein the tissue of interest is ovary.
16. The method of any of paragraphs 1-3, wherein the tissue of interest is testicle.
17. The method of any of paragraphs 1-3, wherein the tissue of interest is bone marrow.

18. The method of paragraph 4, wherein the condition of interest is cancer of the breast.
19. The method of paragraph 5, wherein the condition of interest is cancer of the pancreas.
20. The method of paragraph 6, wherein the condition of interest is leukemia.
21. The method of paragraph 7, wherein the condition of interest is cancer of the prostate.
22. The method of paragraph 8, wherein the condition of interest is cancer of the colon.
23. The method of paragraph 9, wherein the condition of interest is cancer of the lung.
24. The method of paragraph 10, wherein the condition of interest is melanoma.
25. The method of paragraph 10, wherein the condition of interest is psoriasis.
26. The method of paragraph 10, wherein the condition of interest is scleroderma.
27. The method of paragraph 11, wherein the condition of interest is Alzheimer's disease.
28. The method of paragraph 11, wherein the condition of interest is Parkinson's disease.
29. The method of paragraph 11, wherein the condition of interest is Multiple Sclerosis.
30. The method of paragraph 11, wherein the condition of interest is cancer of the brain.
31. The method of paragraph 12, wherein the condition of interest is cancer of the liver.
32. The method of paragraph 13, wherein the condition of interest is cardiomyopathy.
33. The method of paragraph 14, wherein the condition of interest is a muscle disorder.
34. The method of paragraph 15, wherein the condition of interest is ovarian cancer.
35. The method of paragraph 16, wherein the condition of interest is testicular cancer.
36. The method of paragraph 17, wherein the condition of interest is myelodysplastic syndrome (MDS) or myeloproliferative disorders (MPD).
37. The method of any of paragraphs 1-36, wherein said one or more miRNAs are measured by a method comprising Sanger sequencing, polymerase chain reaction (PCR), and real-time quantitative PCR, northern blot, microarray, in situ hybridization, serial analysis of gene expression (SAGE), cap analysis gene expression (CAGE) and massively parallel signature sequencing (MPSS), next

generation sequencing, deep sequencing, direct multiplexing, and any combinations thereof.

38. A computer implemented method for determining whether a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest, comprising:

on a device having one or more processors and a memory storing one or more programs for execution by one or more processors, the one or more programs including instructions for:

measuring in a biological sample from the tissue of interest expression level of one or more of the miRNAs, wherein the miRNAs comprise a sequence selected from SEQ ID NO: 1 to SEQ ID NO: 47,972;

comparing the measured level of one or more miRNAs to that of at least one or more reference samples to determine alteration in the level of the miRNAs between the biological sample and the reference samples, wherein the alteration in the level of said one or more miRNAs in the biological sample as compared to the level of the same one or more miRNAs in the reference samples is indicative of the subject either having, or being at risk of developing, or is at a given stage of the condition; and

displaying a content based in part on the data output from (ii), wherein the content comprises a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of no sign of the disease or disorder.

39. The computer implemented method of paragraph 38, wherein said one or more miRNAs are measured by a method comprising Sanger sequencing, polymerase chain reaction (PCR), and real-time quantitative PCR, northern blot, microarray, in situ hybridization, serial analysis of gene expression (SAGE), cap analysis gene expression (CAGE) and massively parallel signature sequencing (MPSS), next generation sequencing, deep sequencing, direct multiplexing, and any combinations thereof.

40. The computer implemented method of paragraph 38 or 39, wherein the reference samples comprise a sample representing a normal condition of the tissue.

41. The computer implemented method of any of paragraphs 38-40, wherein the reference samples comprise a sample representing a recognizable stage of an abnormal condition of the tissue.

42. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is breast.

43. The computer implemented method of any of paragraphs 38-41, wherein the

tissue of interest is pancreas.

44. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is blood.

45. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is prostate.

46. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is colon.

47. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is lung.

48. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is skin.

49. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is brain.

50. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is liver.

51. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is heart.

52. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is muscle.

53. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is ovary.

54. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is testicle.

55. The computer implemented method of any of paragraphs 38-41, wherein the tissue of interest is bone marrow.

56. The computer implemented method of paragraph 42, wherein the condition of interest is cancer of the breast.

57. The computer implemented method of paragraph 43, wherein the condition of interest is cancer of the pancreas.

58. The computer implemented method of paragraph 44, wherein the condition of interest is leukemia.

59. The computer implemented method of paragraph 45, wherein the condition of interest is cancer of the prostate.

60. The computer implemented method of paragraph 46, wherein the condition of

interest is cancer of the colon.

61. The computer implemented method of paragraph 47, wherein the condition of interest is cancer of the lung.
62. The computer implemented method of paragraph 48, wherein the condition of interest is melanoma.
63. The computer implemented method of paragraph 48, wherein the condition of interest is psoriasis.
64. The computer implemented method of paragraph 48, wherein the condition of interest is scleroderma.
65. The computer implemented method of paragraph 49, wherein the condition of interest is Alzheimer's disease.
66. The computer implemented method of paragraph 49, wherein the condition of interest is Parkinson's disease.
67. The computer implemented method of paragraph 49, wherein the condition of interest is Multiple Sclerosis.
68. The computer implemented method of paragraph 49, wherein the condition of interest is cancer of the brain.
69. The computer implemented method of paragraph 50, wherein the condition of interest is cancer of the liver.
70. The computer implemented method of paragraph 51, wherein the condition of interest is cardiomyopathy.
71. The computer implemented method of paragraph 52, wherein the condition of interest is a muscle disorder.
72. The computer implemented method of paragraph 53, wherein the condition of interest is ovarian cancer.
73. The computer implemented method of paragraph 54, wherein the condition of interest is testicular cancer.
74. The computer implemented method of paragraph 55, wherein the condition of interest is myelodysplastic syndrome (MDS) or myeloproliferative disorders (MPD).
75. The computer implemented method of any of paragraphs 38-74, wherein the content is displayed on a computer display, a screen, a monitor, an email, a text message, a website, a physical printout (e.g., paper) or provided as stored information in a storage device.

76. A computer system for determining whether a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest, comprising:

one or more processors and a memory to store one or more programs, the one or more programs comprising instructions for:

measuring in a biological sample from the tissue of interest expression level of one or more of the miRNAs, wherein the miRNAs comprise a sequence selected from SEQ ID NO: 1 to SEQ ID NO: 47,972;

comparing the measured level of one or more miRNAs to that of at least one or more reference samples to determine alteration in the level of the miRNAs between the biological sample and the reference samples, wherein the alteration in the level of said one or more miRNAs in the biological sample as compared to the level of the same one or more miRNAs in the reference samples is indicative of the subject either having, or being at risk of developing, or is at a given stage of the condition; and

displaying a content based in part on the data output from (ii), wherein the content comprises a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of no sign of the disease or disorder.

77. The computer system of paragraph 76, wherein said one or more miRNAs are measured by a method comprising Sanger sequencing, polymerase chain reaction (PCR), and real-time quantitative PCR, northern blot, microarray, in situ hybridization, serial analysis of gene expression (SAGE), cap analysis gene expression (CAGE) and massively parallel signature sequencing (MPSS), next generation sequencing, deep sequencing, direct multiplexing, and any combinations thereof.

78. The computer system of paragraph 76 or 77, wherein the reference samples comprise a sample representing a normal condition of the tissue.

79. The computer system of any of paragraphs 76-78, wherein the reference samples comprise a sample representing a recognizable stage of an abnormal condition of the tissue.

80. The computer system of any of paragraphs 76-79, wherein the tissue of interest is breast.

81. The computer system of any of paragraphs 76-79, wherein the tissue of interest is pancreas.

82. The computer system of any of paragraphs 76-79, wherein the tissue of interest is blood.

83. The computer system of any of paragraphs 76-79, wherein the tissue of interest is prostate.
84. The computer system of any of paragraphs 76-79, wherein the tissue of interest is colon.
85. The computer system of any of paragraphs 76-79, wherein the tissue of interest is lung.
86. The computer system of any of paragraphs 76-79, wherein the tissue of interest is skin.
87. The computer system of any of paragraphs 76-79, wherein the tissue of interest is brain.
88. The computer system of any of paragraphs 76-79, wherein the tissue of interest is liver.
89. The computer system of any of paragraphs 76-79, wherein the tissue of interest is heart.
90. The computer system of any of paragraphs 76-79, wherein the tissue of interest is muscle.
91. The computer system of any of paragraphs 76-79, wherein the tissue of interest is ovary.
92. The computer system of any of paragraphs 76-79, wherein the tissue of interest is testicle.
93. The computer system of any of paragraphs 76-79, wherein the tissue of interest is bone marrow.
94. The computer system of paragraph 80, wherein the condition of interest is cancer of the breast.
95. The computer system of paragraph 81, wherein the condition of interest is cancer of the pancreas.
96. The computer system of paragraph 82, wherein the condition of interest is leukemia.
97. The computer system of paragraph 83, wherein the condition of interest is cancer of the prostate.
98. The computer system of paragraph 84, wherein the condition of interest is cancer of the colon.
99. The computer system of paragraph 85, wherein the condition of interest is cancer of the lung.
100. The computer system of paragraph 86, wherein the condition of interest is

melanoma.

101. The computer system of paragraph 86, wherein the condition of interest is psoriasis.

102. The computer system of paragraph 86, wherein the condition of interest is scleroderma.

103. The computer system of paragraph 87, wherein the condition of interest is Alzheimer's disease.

104. The computer system of paragraph 87, wherein the condition of interest is Parkinson's disease.

105. The computer system of paragraph 87, wherein the condition of interest is Multiple Sclerosis.

106. The computer system of paragraph 87, wherein the condition of interest is cancer of the brain.

107. The computer system of paragraph 88, wherein the condition of interest is cancer of the liver.

108. The computer system of paragraph 89, wherein the condition of interest is cardiomyopathy.

109. The computer system of paragraph 90, wherein the condition of interest is a muscle disorder.

110. The computer system of paragraph 91, wherein the condition of interest is ovarian cancer.

111. The computer system of paragraph 92, wherein the condition of interest is testicular cancer.

112. The computer system of paragraph 93, wherein the condition of interest is myelodysplastic syndrome (MDS) or myeloproliferative disorders (MPD).

113. The computer system of any of paragraphs 76-112, wherein the content is displayed on a computer display, a screen, a monitor, an email, a text message, a website, a physical printout (e.g., paper) or provided as stored information in a storage device.

114. A non-transitory computer-readable storage medium storing one or more programs for determining whether a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest, the one or more programs for execution by one or more processors of a non-transitory computer-readable storage medium, the one or more programs comprising instructions for:

measuring in a biological sample from the tissue of interest expression

level of one or more of the miRNAs, wherein the miRNAs comprise a sequence selected from SEQ ID NO: 1 to SEQ ID NO: 47,972;

comparing the measured level of one or more miRNAs to that of at least one or more reference samples to determine alteration in the level of the miRNAs between the biological sample and the reference samples, wherein the alteration in the level of said one or more miRNAs in the biological sample as compared to the level of the same one or more miRNAs in the reference samples is indicative of the subject either having, or being at risk of developing, or is at a given stage of the condition; and

displaying a content based in part on the data output from (ii), wherein the content comprises a signal indicative of a subject having, or being at risk of developing, or being at a given stage of a disease or disorder, or a signal indicative of no sign of the disease or disorder.

115. The non-transitory computer-readable storage medium of paragraph 114, wherein said one or more miRNAs are measured by a method comprising Sanger sequencing, polymerase chain reaction (PCR), and real-time quantitative PCR, northern blot, microarray, in situ hybridization, serial analysis of gene expression (SAGE), cap analysis gene expression (CAGE) and massively parallel signature sequencing (MPSS), next generation sequencing, deep sequencing, direct multiplexing, and any combinations thereof.

116. The non-transitory computer-readable storage medium of paragraph 114 or 115, wherein the reference samples comprise a sample representing a normal condition of the tissue.

117. The non-transitory computer-readable storage medium of any of paragraphs 114-116, wherein the reference samples comprise a sample representing a recognizable stage of an abnormal condition of the tissue.

118. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is breast.

119. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is pancreas.

120. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is blood.

121. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is prostate.

122. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is colon.

123. The non-transitory computer-readable storage medium of any of paragraphs 114-

117, wherein the tissue of interest is lung.

124. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is skin.

125. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is brain.

126. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is liver.

127. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is heart.

128. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is muscle.

129. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is ovary.

130. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is testicle.

131. The non-transitory computer-readable storage medium of any of paragraphs 114-117, wherein the tissue of interest is bone marrow.

132. The non-transitory computer-readable storage medium of paragraph 118, wherein the condition of interest is cancer of the breast.

133. The non-transitory computer-readable storage medium of paragraph 119, wherein the condition of interest is cancer of the pancreas.

134. The non-transitory computer-readable storage medium of paragraph 120, wherein the condition of interest is leukemia.

135. The non-transitory computer-readable storage medium of paragraph 121, wherein the condition of interest is cancer of the prostate.

136. The non-transitory computer-readable storage medium of paragraph 122, wherein the condition of interest is cancer of the colon.

137. The non-transitory computer-readable storage medium of paragraph 123, wherein the condition of interest is cancer of the lung.

138. The non-transitory computer-readable storage medium of paragraph 124, wherein the condition of interest is melanoma.

139. The non-transitory computer-readable storage medium of paragraph 124, wherein the condition of interest is psoriasis.

140. The non-transitory computer-readable storage medium of paragraph 124, wherein the condition of interest is scleroderma.

141. The non-transitory computer-readable storage medium of paragraph 125, wherein the condition of interest is Alzheimer's disease.
142. The non-transitory computer-readable storage medium of paragraph 125, wherein the condition of interest is Parkinson's disease.
143. The non-transitory computer-readable storage medium of paragraph 125, wherein the condition of interest is Multiple Sclerosis.
144. The non-transitory computer-readable storage medium of paragraph 125, wherein the condition of interest is cancer of the brain.
145. The non-transitory computer-readable storage medium of paragraph 126, wherein the condition of interest is cancer of the liver.
146. The non-transitory computer-readable storage medium of paragraph 127, wherein the condition of interest is cardiomyopathy.
147. The non-transitory computer-readable storage medium of paragraph 128, wherein the condition of interest is a muscle disorder.
148. The non-transitory computer-readable storage medium of paragraph 129, wherein the condition of interest is ovarian cancer.
149. The non-transitory computer-readable storage medium of paragraph 130, wherein the condition of interest is testicular cancer.
150. The non-transitory computer-readable storage medium of paragraph 131, wherein the condition of interest is myelodysplastic syndrome (MDS) or myeloproliferative disorders (MPD).
151. The non-transitory computer-readable storage medium of any of paragraphs 114-150, wherein the content is displayed on a computer display, a screen, a monitor, an email, a text message, a website, a physical printout (e.g., paper) or provided as stored information in a storage device.
152. The method, computer implemented method, computer system, or non-transitory computer-readable storage medium of any of the preceding claims, wherein isoforms of the miRNAs are used.
153. The method, computer implemented method, computer system, or non-transitory computer-readable storage medium of claim 152, wherein the isoforms can correspond to novel miRNAs.
154. The method, computer implemented method, computer system, or non-transitory computer-readable storage medium of claim 152, wherein the isoforms can correspond to known miRNAs.

Some Selected Definitions

[000208] For convenience, certain terms employed in the entire application (including the specification, examples, and appended claims) are collected here. Unless defined otherwise, all technical and scientific terms used herein have the same meaning as commonly understood by one of ordinary skill in the art to which this invention belongs.

[000209] It should be understood that this invention is not limited to the particular methodology, protocols, and reagents, etc., described herein and as such may vary. The terminology used herein is for the purpose of describing particular embodiments only, and is not intended to limit the scope of the present invention, which is defined solely by the claims.

[000210] Other than in the operating examples, or where otherwise indicated, all numbers expressing quantities of ingredients or reaction conditions used herein should be understood as modified in all instances by the term "about." The term "about" when used to describe the present invention, in connection with percentages means ±1%.

[000211] In one respect, the present invention relates to the herein described compositions, methods, and respective component(s) thereof, as essential to the invention, yet open to the inclusion of unspecified elements, essential or not ("comprising"). In some embodiments, other elements to be included in the description of the composition, method or respective component thereof are limited to those that do not materially affect the basic and novel characteristic(s) of the invention ("consisting essentially of"). This applies equally to steps within a described method as well as compositions and components therein. In other embodiments, the inventions, compositions, methods, and respective components thereof, described herein are intended to be exclusive of any element not deemed an essential element to the component, composition or method ("consisting of").

[000212] All patents, patent applications, and publications identified are expressly incorporated herein by reference for the purpose of describing and disclosing, for example, the methodologies described in such publications that might be used in connection with the present invention. These publications are provided solely for their disclosure prior to the filing date of the present application. Nothing in this regard should be construed as an admission that the inventor is not entitled to antedate such disclosure by virtue of prior invention or for any other reason. All statements as to the date or representation as to the contents of these documents is based on the information available to the applicants and does not constitute any admission as to the correctness of the dates or contents of these documents.

[000213] The term "statistically significant" or "significantly" or "significant" refers to statistical significance and generally means a one standard deviation (1SD) above or below a reference level. Alternatively, statistical significance can be measured by means of a "false discovery rate"

threshold, e.g. 0.05. The term refers to statistical evidence that there is a difference. It is defined as the probability of making a decision to reject the null hypothesis when the null hypothesis is actually true. The decision is often made using the p-value. Alternatively, the decision is made using the estimated false discovery rate.

[000214] The term "deep sequencing" as used herein generally refers to next- or higher-generation sequencing known to a skilled artisan.

[000215] The term "nucleic acid" is well known in the art. A "nucleic acid" as used herein will generally refer to a molecule (i.e., strand) of DNA, RNA or a derivative or analog thereof, comprising a nucleobase. A nucleobase includes, for example, a naturally occurring purine or pyrimidine base found in DNA (e.g. an adenine "A," a guanine "G," a thymine "T" or a cytosine "C") or RNA (e.g. an A, a G, a uracil "U" or a C). The term "nucleic acid" encompasses the terms "oligonucleotide" and "polynucleotide," each as a subgenus of the term "nucleic acid." The term "oligonucleotide" refers to a molecule of between about 2 and about 100 nucleobases in length. The term "polynucleotide" refers to at least one molecule of greater than about 100 nucleobases in length.

[000216] The term "non-coding" refers to sequences of nucleic acid molecules that cannot be translated in a sequence-specific manner to produce into a particular polypeptide or peptide. In some embodiments, the term "non-coding" in reference to RNA can refer to a RNA sequence that is not translated in a sequence-specific manner to produce a particular polypeptide or peptide. In some embodiments, a non-coding RNA can comprise a sequence corresponding to a fragment of a protein-coding region, but which is not translated into a functional peptide or protein when it forms part of a non-coding RNA. Non-coding sequences include but are not limited to introns or parts thereof, promoter regions or parts thereof, 3' untranslated regions (3' UTR) or parts thereof, 5' untranslated regions (5' UTR) or parts thereof, as well as intergenic regions. In general, a 3′ or 5′ untranslated region is part of or spans one or more exons.

[000217] The term "coding region" or "protein-coding region" as used herein, refers to a portion of the nucleic acid sequence, which is transcribed and translated in a sequence-specific manner to produce a particular polypeptide or protein when placed under the control of appropriate regulatory sequences and appropriate molecular machinery. The coding region of a protein-coding gene is said to encode one, or more, such polypeptide or protein.

[000218] The term "oligonucleotide," as used herein is defined as a nucleic acid molecule, or its sequence representation, comprised of at least two or more ribo- or deoxyribonucleotides. The exact size of the oligonucleotide will depend on various factors and on the particular application and use of the oligonucleotide.

[000219] The term "probe" as used herein refers to an oligonucleotide, polynucleotide or nucleic acid, either RNA or DNA, whether occurring naturally as in a purified restriction enzyme digest or produced synthetically, which is capable of annealing with or specifically hybridizing to a nucleic acid with sequences complementary to the probe. A probe may be either single-stranded or double-stranded. The exact length of the probe will depend upon many factors, including temperature, source of probe and the method used. For example, for diagnostic applications, depending on the complexity of the target sequence, an oligonucleotide probe typically contains 15-25 or more nucleotides, although it may contain fewer nucleotides. The probes as disclosed herein are selected to be "substantially complementary" to different strands of a particular target nucleic acid sequence. This means that the probes must be sufficiently complementary so as to be able to "specifically hybridize" or anneal with their respective target strands. Therefore, the probe sequence need not reflect the exact complementary sequence of the target. For example, a non-complementary nucleotide fragment may be attached to the 5′or 3′ end of the probe, with the remainder of the probe sequence being complementary to the target strand. Alternatively, non-complementary bases or longer sequences can be interspersed into the probe, provided that the probe sequence has sufficient complementarily with the sequence of the target nucleic acid to anneal therewith specifically.

[000220] In the context of this disclosure, the term "probe" refers to a molecule that can detectably distinguish among target molecules differing in sequence composition and also in structure (e.g. nucleic acid or protein sequence). Detection can be accomplished in a variety of different ways depending on the type of probe used and the type of target molecule. Thus, for example, detection may be based on discrimination on detection of specific binding. Examples of such specific binding include antibody binding and nucleic acid, antibody binding to protein, nucleic acid binding to nucleic acid, or aptamer binding to protein or nucleic acid. Thus, for example, probes can include enzyme substrates, antibodies and antibody fragments, and preferably nucleic acid hybridization probes.

[000221] The term "specifically hybridize" refers to the association between two single-stranded nucleic acid molecules of sufficient complementary sequence to permit such hybridization under pre-determined conditions generally used in the art (sometimes the sequences are referred to as "substantially complementary"). In particular, the term specifically hybridize also refers to hybridization of an oligonucleotide with a substantially complementary sequence as compared to non-complementary sequence.

[000222] The term "specifically" as used herein with reference to a probe which is used to specifically detect a given sequence of contiguous nucleotides, refers to a probe that identifies the particular sequence based on preferential hybridization to the sequence under consideration stringent hybridization conditions and/or on exclusive amplification or replication of molecules of interest.

[000223] The term "specifically" as used herein with reference to a probe which is used to specifically detect a sequence difference, refers to a probe that identifies a particular sequence difference based on exclusive hybridization to the sequence difference under stringent hybridization conditions and/or on exclusive amplification or replication of the sequence difference.

[000224] In its broadest sense, the term "substantially" as used herein in respect to "substantially complementary", or when used herein with respect to a nucleotide sequence in relation to a reference or a target nucleotide sequence, means a nucleotide sequence having a percentage of identity between the substantially complementary nucleotide sequence and the exact complementary sequence of said reference or target nucleotide sequence of at least 60%, at least 70%, at least 80% or 85%, at least 90%, at least 93%, at least 95% or 96%, at least 97% or 98%, at least 99% or 100% (the later being equivalent to the term "identical" in this context). For example, identity is assessed over a length of at least 10 nucleotides, or at least 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 or up to 50 nucleotides of the entire length of the nucleic acid sequence to said reference sequence (if not specified otherwise below). Sequence comparisons can be carried out using default GAP analysis with the University of Wisconsin GCG, SEQWEB application of GAP, based on the algorithm of Needleman and Wunsch (Needleman and Wunsch (1970) J MoI. Biol. 48: 443-453; as defined above), or any of the tools that have been used for this purpose by the skilled artisan. A nucleotide sequence "substantially complementary" to a reference nucleotide sequence hybridizes to the reference nucleotide sequence under low stringency conditions, preferably medium stringency conditions, most preferably high stringency conditions.

[000225] In its broadest sense, the term "substantially identical," when used herein with respect to a nucleotide sequence, means a nucleotide sequence corresponding to a reference or target nucleotide sequence, wherein the percentage of identity between the substantially identical nucleotide sequence and the reference or target nucleotide sequence is at least 60%, at least 70%, at least 80% or 85%, at least 90%, at least 93%, at least 95% or 96%, at least 97% or 98%, at least 99% or 100% (the later being equivalent to the term "identical" in this context). For example, identity is assessed over a length of 10-40 nucleotides, such as at least 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, or up to 50 nucleotides of a nucleic acid sequence to said reference sequence (if not specified otherwise below). Sequence comparisons are carried out using default GAP analysis with the University of Wisconsin GCG, SEQWEB application of GAP, based on the algorithm of Needleman and Wunsch (Needleman and Wunsch (1970) J MoI. Biol. 48: 443-453; as defined above), or similar tools, as mentioned above. A nucleotide sequence "substantially identical" to a reference nucleotide sequence hybridizes to the exact complementary sequence of the reference nucleotide sequence (i.e. its corresponding strand in a double-stranded molecule) under low stringency conditions, preferably medium stringency

conditions, most preferably high stringency conditions (as defined above). Homologues of a specific nucleotide sequence include nucleotide sequences that is at least 24% identical, at least 35% identical, at least 50% identical, at least 65% identical to the reference sequence, as measured using the parameters described above, wherein the molecule represented by the homologous sequence is considered to have the same biological activity as the molecule encoded by the specific nucleotide sequence. The term "substantially non-identical" refers to a nucleotide sequence that does not hybridize to the nucleic acid sequence under stringent conditions.

[000226] The term "primer" as used herein refers to an oligonucleotide, either RNA or DNA, either single-stranded or double-stranded, either derived from a biological system, generated by restriction enzyme digestion, or produced synthetically which, when placed in the proper environment, is able to functionally act as an initiator of template-dependent nucleic acid synthesis. When presented with an appropriate nucleic acid template, suitable nucleoside triphosphate precursors of nucleic acids, a polymerase enzyme, suitable cofactors and conditions such as a suitable temperature and pH, the primer may be extended at its 3′ terminus by the addition of nucleotides by the action of a polymerase or similar activity to yield a primer extension product. The primer may vary in length depending on the particular conditions and requirement of the application. For example, in diagnostic applications, the oligonucleotide primer is typically 15-25 or more nucleotides in length, but can be longer as needed. The primer must be of sufficient complementarity to the desired template to prime the synthesis of the desired extension product, that is, to be able to anneal with the desired template strand in a manner sufficient to provide the 3′ hydroxyl moiety of the primer in appropriate juxtaposition for use in the initiation of synthesis by a polymerase or similar enzyme. It is not required that the primer sequence represent an exact complement of the desired template. For example, a non-complementary nucleotide sequence may be attached to the 5′ end of an otherwise complementary primer. Alternatively, non-complementary bases may be interspersed within the oligonucleotide primer sequence, provided that the primer sequence has sufficient complementarity with the sequence of the desired template strand to functionally provide a template-primer complex for the synthesis of the extension product.

[000227] In some embodiments, the term "complementary" as used herein refers to the broad concept of sequence complementarity between regions of two nucleic acid strands or between two regions of the same nucleic acid strand. It is known that an adenine residue of a first nucleic acid region is capable of forming specific hydrogen bonds ("base pairing") with a residue of a second nucleic acid region which is anti-parallel to the first region if the residue is thymine (for DNA) or uracil (for RNA). Similarly, it is known that a cytosine residue of a first nucleic acid strand is capable of base pairing with a residue of a second nucleic acid strand which is anti-parallel to the first strand if the residue is guanine. A cytosine residue of a first nucleic acid strand is also capable

of base pairing with a residue of a second nucleic acid strand which is anti-parallel to the first strand if the residue is uracil – such interactions are referred to as "non-Watson-Crick" or "G:U wobbles." A first region of a nucleic acid is complementary to a second region of the same or a different nucleic acid if at least one nucleotide residue of the first region is capable of base pairing with a residue of the second region, when the two regions are arranged in an anti-parallel fashion. Preferably, the first region comprises a first portion and the second region comprises a second portion, whereby, when the first and second portions are arranged in an anti-parallel fashion, such that at least about 50%, and preferably at least about 75%, at least about 90%, or at least about 95% or at least 100% of the nucleotide residues of the first portion are capable of base pairing with nucleotide residues in the second portion. More preferably, all nucleotide residues of the first portion are capable of base pairing with nucleotide residues in the second portion. A first region of a nucleic acid is "near-complementary" to a second region of the same or a different nucleic acid if, at least one nucleotide residue of the first region is capable of base pairing with a residue of the second region, when the two regions are arranged in an anti-parallel fashion, and not all of the nucleotides of the two regions are base-paired. Such interactions are exemplified by heteroduplexes of miRNAs with mRNAs where the typical interaction between the two molecules is effected by only a subset of the residues spanning each region. Additionally, the two interacting regions need not have the same length.

[000228] The term "antisense" generally refers to a nucleotide or a ribonucleotide sequence being complementary to the gene's messenger RNA (mRNA), which is called the "sense" sequence. For example, a sense segment of mRNA "5'-AAGGUC-3' " would be blocked by the anti-sense mRNA segment " 3'-UUCCAG-5' ").

[000229] The term "antisense oligonucleotide" refers to a nucleotide sequence including a "region of complementarity" that is substantially complementary to a sequence, for example a target sequence. Where the region of complementarity is not fully complementary to the target sequence, the mismatches can be in the internal or terminal regions of the molecule. Generally, the most tolerated mismatches are in the terminal regions, e.g., within 5, 4, 3, or 2 nucleotides of the 5' and/or 3' terminus.

[000230] As used herein, the term "antisense oligonucleotides comprising a nucleotide sequence" refers to an antisense oligonucleotide comprising a chain of nucleotides that is described by the sequence referred to using the standard nucleotide nomenclature.

[000231] "G," "C," "A," "T" and "U" each generally stand for a nucleotide that contains guanine, cytosine, adenine, thymidine and uracil as a base, respectively. However, it will be understood that the term "ribonucleotide" or "nucleotide" can also refer to a modified nucleotide, or a surrogate replacement moiety. The skilled person is well aware that guanine, cytosine, adenine, and uracil can

be replaced by other moieties without substantially altering the base pairing properties of an oligonucleotide comprising a nucleotide bearing such replacement moiety. For example, without limitation, a nucleotide comprising inosine as its base can base pair with nucleotides containing adenine, cytosine, or uracil. Hence, nucleotides containing uracil, guanine, or adenine can be replaced in the nucleotide sequences of dsRNA featured herein by a nucleotide containing, for example, inosine. In another example, adenine and cytosine anywhere in the oligonucleotide can be replaced with guanine and uracil, respectively to form G-U Wobble base pairing with the target mRNA. Sequences containing such replacement moieties are suitable for the compositions and methods described herein.

EXAMPLES

[000232] The following examples illustrate some embodiments and aspects of the invention. It will be apparent to those skilled in the relevant art that various modifications, additions, substitutions, and the like can be performed without altering the spirit or scope of the invention, and such modifications and variations are encompassed within the scope of the invention as defined in the claims which follow. The following examples do not in any way limit the invention.

Example 1. An exemplary methodology to identify novel miRNAs

Identification of candidate hairpin precursors within a dataset

[000233] To identify novel miRNAs the following three steps are carried out; candidates that satisfy the conditions of all these stages are labeled 'novel miRNAs':

(i) For each sample, only those short RNA sequence reads that mapped unambiguously on the human genome are considered. The sequence reads were expanded into putative "sequence islands", and only those islands ranging in length from 20-30 nts were retained. From these islands, only those overlapping sequence reads whose length ranged between 20 and 24 nts inclusive were considered for further analysis.

(ii) Each 20-24 nt sequence reads was expanded out into a putative precursor segment of 70-75 nts in length. To ensure that we tested all possible arrangements, the following 4 options were considered:

a. Addition of 45 nts to the 5′-end and of 5 nts to the 3′-end of the sequence island

b. Addition of 35 nts to the 5′-end and 15 nts to the 3′-end of the sequence island

c. Addition of 5 nts to the 5′-end and 45 nts to the 3′-end of the sequence island

d. Addition of 15 nts to the 5′-end and 35 nts to the 3′-end of the sequence island

For each of the four conditions, RNAfold from the 'Vienna package' (Hofacker et al. "Fast Folding and comparison of RNA secondary structures." Monatshefte fuer Chemie, Vol 125, 167-188, 1996) was used to predict the folding structure of the resulting sequence segment and to

examine whether it folded into a hairpin with the miRNA product on either the hairpin's 5′ (a. and b.) or 3′ (c. and d.) arm. The two different sets of hairpin lengths that were tested (conditions a and b; and c and d above) allowed control for the offset of the mature miRNA from the loop within the hairpin structure, a distance that can be variable.

(iii) Only those candidate segments, and their associated miRNA candidates, which folded into a hairpin structure, had at least 15 base pairs between the two arms, and an energy value of -12 Kcal/mol or less were kept.

Identification of mature miRNA and precursor sequence boundaries

[000234] The boundaries of the mature miRNA candidates at each locus were determined by identifying the segment with the highest percentage of sequenced reads among the isomiRs. The most abundant segment with length between 20 and 24 nts was considered to be the representative mature miRNA from the locus at hand. The genomic locations of the hairpin were determined from the folded hairpin structures surrounding a potential miRNA. The hairpin with the highest folding energy was determined as the most likely candidate.

Determination of False Discovery Rate

[000235] Each one of the 962 datasets was considered in turn. Counts for unambiguously mapped reads were generated for each known and novel miRNA in the sample under consideration. Significant miRNAs (whether known or novel) were determined using a method adapted from CHIP-seq peak calling (Xu, J. & Zhang, Y. "A generalized linear model for peak calling in ChIP-Seq data." Journal of computational biology: a journal of computational molecular cell biology 19, 826-838, 2012.), maximum likelihood estimates of the parameters of the negative binomial distribution are calculated from the probability density function and subsequent p-values determined from the cumulative distribution function of the fitted data. P-values were corrected for multiple testing using the Benjamini-Hochberg procedure and an FDR calculated for each miRNA. Only those miRNAs (known or novel) with a FDR <= 0.001 were kept. Sequences that were already contained in Rel. 20 of miRBase or the public mirtron repository were removed from further consideration. Additionally, any sequences that overlapped with tRNAs, rRNAs and snRNAs were removed from further consideration.

Example 2. Conservation properties of the novel miRNAs described herein in other species

[000236] For about 9,877 novel miRNAs listed in Table 1 that were discovered by the inventors using the method that they developed as described in Example 1, it was sought to determine the extent to which the mature miRNA and the corresponding precursor miRNA are conserved across

model organisms. In particular, the inventors performed a stringent search where they sought instances not only of the mature miRNA but also of the full-length precursor in several model organisms (referred to as "*novel hairpin:mature miRNA combination*" or "*mature miRNA:novel hairpin combination*"). For this purpose, the inventors used GLSEARCH (Pearson WR. 2000. "Flexible sequence similarity searching with the FASTA3 program package." *Methods in molecular biology (Clifton, NJ)* **132**: 185-219) to look for each of the identified novel miRNA precursors and their corresponding mature miRNA(s) in the chimpanzee, gorilla, orangutan, macaque, mouse, drosophila and worm genome assemblies. During these searches it was required that (a) at least 70% of the miRNA precursor positions be identically present in the searched genome; and, (b) at least 85% of the human mature miRNA positions be identically present in the identified orthologous precursor including an identically present seed. It was found that the vast majority of these miRNAs are conserved in primates with only a small fraction of them being present in rodents or invertebrates. Table 4 below summarizes the conservation properties of this collection of miRNAs:

Table 4. Number of novel hairpin:mature miRNA combinations conserved in genomes of various species for the novel miRNAs discovered using the inventors' method as described in Example 1

Present in Which Genome	Number of Novel hairpins:Mature miRNA Combinations (n=9,877)
Human (Hu)	9,877
Chimpanzee (Ch)	8,536
Gorilla (Go)	8,303
Orangutan (Or)	7,013
Macaque (Ma)	5,434
Mouse (Mo)	160
Drosophila (Dr)	1
Worm (Wo)	1

[000237] Of the 9,877 cases, 499 miRNA:hairpin combinations (5.1%) are present exclusively in the human genome. This finding shows that these 499 instances could be involved in molecular mechanisms that may not be present in mouse models.

[000238] The following Table 5 shows in more detail the conservation properties of each of the 9,877 novel miRNA:hairpin combinations (discovered using the inventor's own method as described in Example 1) across the examined model organisms. The actual miRNA and hairpin sequences and corresponding SEQ ID NOs. can be identified in Table 1 according to the "Novel miRNA ID" and "Hairpin ID" listed in Table 5. In Table 5, "Hu" stands for Human; "Ch" stands for Chimpanzee;

"Go" stands for Gorilla; "Or" stands for Orangutan or Pongo; "Ma" stands for "Macaque"; "Mo" stands for "Mouse"; "Dr" stands for Drosophia or fruit-fly; "Wo" stands for "worm."

Table 5 Conservation properties across the examined model organisms for the novel miRNA:hairpin combinations identified using the inventors' own method

Novel miRN ID	Hairpin ID	Hu	Ch	Go	Or	Ma	Mo	Dr	Wo
TJU_CMC.ID00001.3p miR	TJU_CMC.ID00001.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00002.5p miR	TJU_CMC.ID00002.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00003.3p miR	TJU_CMC.ID00003.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00004.5p miR	TJU_CMC.ID00004.hairpin	YES	NO	YES	NO	YES	YES	NO	NO
TJU_CMC.ID00005.3p miR	TJU_CMC.ID00005.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00006.5p miR	TJU_CMC.ID00006.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00007.3p miR	TJU_CMC.ID00007.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00008.3p miR	TJU_CMC.ID00008.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00009.3p miR	TJU_CMC.ID00009.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00010.5p miR	TJU_CMC.ID00010.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00011.5p miR	TJU_CMC.ID00011.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00012.3p miR	TJU_CMC.ID00012.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00013.5p miR	TJU_CMC.ID00013.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00014.5p miR	TJU_CMC.ID00014.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00015.5p miR	TJU_CMC.ID00015.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00016.3p miR	TJU_CMC.ID00016.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00017.5p miR	TJU_CMC.ID00017.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00018.3p miR	TJU_CMC.ID00018.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00019.5p miR	TJU_CMC.ID00019.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00020.3p miR	TJU_CMC.ID00020.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00021.3p miR	TJU_CMC.ID00021.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00022.5p miR	TJU_CMC.ID00022.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00023.3p miR	TJU_CMC.ID00023.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00024.3p miR	TJU_CMC.ID00024.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00025.3p miR	TJU_CMC.ID00025.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00026.5p miR	TJU_CMC.ID00026.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00027.5p miR	TJU_CMC.ID00027.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00028.5p miR	TJU_CMC.ID00028.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00029.5p miR	TJU_CMC.ID00029.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00030.3p miR	TJU_CMC.ID00030.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00031.5p miR	TJU_CMC.ID00031.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00032.3p miR	TJU_CMC.ID00032.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID00033.5p miR	TJU_CMC.ID00033.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00034.3p miR	TJU_CMC.ID00034.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00035.3p miR	TJU_CMC.ID00035.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00036.5p miR	TJU_CMC.ID00036.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00037.5p miR	TJU_CMC.ID00037.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00038.3p miR	TJU_CMC.ID00038.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00039.5p miR	TJU_CMC.ID00039.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00040.5p miR	TJU_CMC.ID00040.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00041.5p miR	TJU_CMC.ID00041.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00042.3p miR	TJU_CMC.ID00042.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00043.5p miR	TJU_CMC.ID00043.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00044.5p miR	TJU_CMC.ID00044.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00045.5p miR	TJU_CMC.ID00045.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00046.3p miR	TJU_CMC.ID00046.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00047.5p miR	TJU_CMC.ID00047.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00048.3p miR	TJU_CMC.ID00048.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00049.3p miR	TJU_CMC.ID00049.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00050.5p miR	TJU_CMC.ID00050.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00051.5p miR	TJU_CMC.ID00051.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00052.3p miR	TJU_CMC.ID00052.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00053.3p miR	TJU_CMC.ID00053.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID00054.3p miR	TJU_CMC.ID00054.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00055.3p miR	TJU_CMC.ID00055.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00056.3p miR	TJU_CMC.ID00056.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00057.5p miR	TJU_CMC.ID00057.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00058.5p miR	TJU_CMC.ID00058.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00059.5p miR	TJU_CMC.ID00059.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00060.5p miR	TJU_CMC.ID00060.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00061.5p miR	TJU_CMC.ID00061.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00062.5p miR	TJU_CMC.ID00062.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00063.5p miR	TJU_CMC.ID00063.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00064.5p miR	TJU_CMC.ID00064.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00065.5p miR	TJU_CMC.ID00065.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00066.3p miR	TJU_CMC.ID00066.hairpin	YES	YES	YES	NO	YES	YES	NO	NO	
TJU_CMC.ID00067.3p miR	TJU_CMC.ID00067.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00068.3p miR	TJU_CMC.ID00068.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID00069.5p miR	TJU_CMC.ID00069.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00070.3p miR	TJU_CMC.ID00070.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00071.3p miR	TJU_CMC.ID00071.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00072.5p miR	TJU_CMC.ID00072.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00073.3p miR	TJU_CMC.ID00073.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00074.3p miR	TJU_CMC.ID00074.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00075.3p miR	TJU_CMC.ID00075.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00076.3p miR	TJU_CMC.ID00076.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00077.3p miR	TJU_CMC.ID00077.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00078.3p miR	TJU_CMC.ID00078.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00079.3p miR	TJU_CMC.ID00079.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00080.3p miR	TJU_CMC.ID00080.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00081.3p miR	TJU_CMC.ID00081.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00082.5p miR	TJU_CMC.ID00082.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00083.3p miR	TJU_CMC.ID00083.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00084.5p miR	TJU_CMC.ID00084.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00085.5p miR	TJU_CMC.ID00085.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00086.5p miR	TJU_CMC.ID00086.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00087.5p miR	TJU_CMC.ID00087.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00088.3p miR	TJU_CMC.ID00088.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00089.3p miR	TJU_CMC.ID00089.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00090.5p miR	TJU_CMC.ID00090.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00091.3p miR	TJU_CMC.ID00091.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00092.3p miR	TJU_CMC.ID00092.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00093.3p miR	TJU_CMC.ID00093.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00094.3p miR	TJU_CMC.ID00094.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00095.3p miR	TJU_CMC.ID00095.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00096.5p miR	TJU_CMC.ID00096.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00097.3p miR	TJU_CMC.ID00097.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00098.3p miR	TJU_CMC.ID00098.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00099.3p miR	TJU_CMC.ID00099.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00100.3p miR	TJU_CMC.ID00100.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00101.3p miR	TJU_CMC.ID00101.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00102.3p miR	TJU_CMC.ID00102.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00103.3p miR	TJU_CMC.ID00103.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00104.5p miR	TJU_CMC.ID00104.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID00105.3p miR	TJU_CMC.ID00105.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00106.3p miR	TJU_CMC.ID00106.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00107.3p miR	TJU_CMC.ID00107.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00108.5p miR	TJU_CMC.ID00108.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00109.5p miR	TJU_CMC.ID00109.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00110.5p miR	TJU_CMC.ID00110.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00111.3p miR	TJU_CMC.ID00111.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00112.5p miR	TJU_CMC.ID00112.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00113.3p miR	TJU_CMC.ID00113.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00114.3p miR	TJU_CMC.ID00114.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00115.3p miR	TJU_CMC.ID00115.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00116.3p miR	TJU_CMC.ID00116.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00117.3p miR	TJU_CMC.ID00117.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00118.3p miR	TJU_CMC.ID00118.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00119.5p miR	TJU_CMC.ID00119.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00120.5p miR	TJU_CMC.ID00120.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00121.5p miR	TJU_CMC.ID00121.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00122.3p miR	TJU_CMC.ID00122.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00123.5p miR	TJU_CMC.ID00123.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00124.5p miR	TJU_CMC.ID00124.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00125.3p miR	TJU_CMC.ID00125.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00126.5p miR	TJU_CMC.ID00126.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00127.5p miR	TJU_CMC.ID00127.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00128.5p miR	TJU_CMC.ID00128.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00129.3p miR	TJU_CMC.ID00129.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00130.3p miR	TJU_CMC.ID00130.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00131.3p miR	TJU_CMC.ID00131.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00132.5p miR	TJU_CMC.ID00132.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00133.5p miR	TJU_CMC.ID00133.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00134.3p miR	TJU_CMC.ID00134.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00135.5p miR	TJU_CMC.ID00135.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00136.3p miR	TJU_CMC.ID00136.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00137.5p miR	TJU_CMC.ID00137.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00138.5p miR	TJU_CMC.ID00138.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00139.5p miR	TJU_CMC.ID00139.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00140.5p miR	TJU_CMC.ID00140.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID00141.3p miR	TJU_CMC.ID00141.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00142.3p miR	TJU_CMC.ID00142.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00143.5p miR	TJU_CMC.ID00143.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00144.3p miR	TJU_CMC.ID00144.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00145.3p miR	TJU_CMC.ID00145.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00146.5p miR	TJU_CMC.ID00146.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00147.5p miR	TJU_CMC.ID00147.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00148.5p miR	TJU_CMC.ID00148.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00149.3p miR	TJU_CMC.ID00149.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00150.5p miR	TJU_CMC.ID00150.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00151.5p miR	TJU_CMC.ID00151.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00152.3p miR	TJU_CMC.ID00152.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00153.3p miR	TJU_CMC.ID00153.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00154.3p miR	TJU_CMC.ID00154.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00155.5p miR	TJU_CMC.ID00155.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00156.3p miR	TJU_CMC.ID00156.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00157.5p miR	TJU_CMC.ID00157.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00158.5p miR	TJU_CMC.ID00158.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00159.5p miR	TJU_CMC.ID00159.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00160.3p miR	TJU_CMC.ID00160.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00161.5p miR	TJU_CMC.ID00161.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00162.5p miR	TJU_CMC.ID00162.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00163.3p miR	TJU_CMC.ID00163.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00164.5p miR	TJU_CMC.ID00164.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00165.3p miR	TJU_CMC.ID00165.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00166.5p miR	TJU_CMC.ID00166.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00167.5p miR	TJU_CMC.ID00167.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00168.5p miR	TJU_CMC.ID00168.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00169.5p miR	TJU_CMC.ID00169.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00170.5p miR	TJU_CMC.ID00170.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00171.5p miR	TJU_CMC.ID00171.hairpin	YES	NO YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00172.5p miR	TJU_CMC.ID00172.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00173.5p miR	TJU_CMC.ID00173.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00174.5p miR	TJU_CMC.ID00174.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00175.3p miR	TJU_CMC.ID00175.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00176.5p miR	TJU_CMC.ID00176.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00177.3p miR	TJU_CMC.ID00177.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00178.5p miR	TJU_CMC.ID00178.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00179.5p miR	TJU_CMC.ID00179.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00180.3p miR	TJU_CMC.ID00180.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00181.3p miR	TJU_CMC.ID00181.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00182.3p miR	TJU_CMC.ID00182.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00183.5p miR	TJU_CMC.ID00183.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00184.3p miR	TJU_CMC.ID00184.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00185.5p miR	TJU_CMC.ID00185.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00186.5p miR	TJU_CMC.ID00186.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00187.3p miR	TJU_CMC.ID00187.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00188.5p miR	TJU_CMC.ID00188.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00189.5p miR	TJU_CMC.ID00189.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00190.5p miR	TJU_CMC.ID00190.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00191.3p miR	TJU_CMC.ID00191.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00192.5p miR	TJU_CMC.ID00192.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00193.5p miR	TJU_CMC.ID00193.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00194.5p miR	TJU_CMC.ID00194.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00195.5p miR	TJU_CMC.ID00195.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00196.5p miR	TJU_CMC.ID00196.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00197.3p miR	TJU_CMC.ID00197.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00198.5p miR	TJU_CMC.ID00198.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00199.3p miR	TJU_CMC.ID00199.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00200.3p miR	TJU_CMC.ID00200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00201.5p miR	TJU_CMC.ID00201.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00202.5p miR	TJU_CMC.ID00202.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00203.5p miR	TJU_CMC.ID00203.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00204.5p miR	TJU_CMC.ID00204.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00205.3p miR	TJU_CMC.ID00205.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00206.3p miR	TJU_CMC.ID00206.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00207.3p miR	TJU_CMC.ID00207.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00208.3p miR	TJU_CMC.ID00208.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00209.5p miR	TJU_CMC.ID00209.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00210.3p miR	TJU_CMC.ID00210.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00211.5p miR	TJU_CMC.ID00211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00212.5p miR	TJU_CMC.ID00212.hairpin	YES	NO	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00213.5p miR	TJU_CMC.ID00213.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00214.3p miR	TJU_CMC.ID00214.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00215.3p miR	TJU_CMC.ID00215.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00216.3p miR	TJU_CMC.ID00216.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00217.3p miR	TJU_CMC.ID00217.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00218.5p miR	TJU_CMC.ID00218.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00219.3p miR	TJU_CMC.ID00219.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00220.3p miR	TJU_CMC.ID00220.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00221.3p miR	TJU_CMC.ID00221.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00222.5p miR	TJU_CMC.ID00222.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00223.5p miR	TJU_CMC.ID00223.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00224.3p miR	TJU_CMC.ID00224.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00225.3p miR	TJU_CMC.ID00225.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00226.3p miR	TJU_CMC.ID00226.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00227.3p miR	TJU_CMC.ID00227.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00228.5p miR	TJU_CMC.ID00228.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00229.3p miR	TJU_CMC.ID00229.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00230.3p miR	TJU_CMC.ID00230.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00231.3p miR	TJU_CMC.ID00231.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID00232.3p miR	TJU_CMC.ID00232.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00233.3p miR	TJU_CMC.ID00233.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00234.3p miR	TJU_CMC.ID00234.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00235.5p miR	TJU_CMC.ID00235.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00236.5p miR	TJU_CMC.ID00236.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00237.3p miR	TJU_CMC.ID00237.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00238.5p miR	TJU_CMC.ID00238.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00239.5p miR	TJU_CMC.ID00239.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00240.5p miR	TJU_CMC.ID00240.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00241.3p miR	TJU_CMC.ID00241.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00242.3p miR	TJU_CMC.ID00242.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00243.3p miR	TJU_CMC.ID00243.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00244.3p miR	TJU_CMC.ID00244.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00245.3p miR	TJU_CMC.ID00245.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00246.5p miR	TJU_CMC.ID00246.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00247.5p miR	TJU_CMC.ID00247.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00248.3p miR	TJU_CMC.ID00248.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID00249.5p	miR	TJU_CMC.ID00249.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID00250.3p	miR	TJU_CMC.ID00250.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00251.3p	miR	TJU_CMC.ID00251.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00252.5p	miR	TJU_CMC.ID00252.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00253.3p	miR	TJU_CMC.ID00253.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00254.5p	miR	TJU_CMC.ID00254.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00255.3p	miR	TJU_CMC.ID00255.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00256.5p	miR	TJU_CMC.ID00256.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00257.5p	miR	TJU_CMC.ID00257.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00258.5p	miR	TJU_CMC.ID00258.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00259.5p	miR	TJU_CMC.ID00259.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00260.3p	miR	TJU_CMC.ID00260.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00261.3p	miR	TJU_CMC.ID00261.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00262.5p	miR	TJU_CMC.ID00262.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00263.3p	miR	TJU_CMC.ID00263.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00264.3p	miR	TJU_CMC.ID00264.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00265.5p	miR	TJU_CMC.ID00265.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00266.3p	miR	TJU_CMC.ID00266.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00267.3p	miR	TJU_CMC.ID00267.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00268.5p	miR	TJU_CMC.ID00268.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00269.3p	miR	TJU_CMC.ID00269.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00270.3p	miR	TJU_CMC.ID00270.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00271.3p	miR	TJU_CMC.ID00271.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00272.3p	miR	TJU_CMC.ID00272.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00273.5p	miR	TJU_CMC.ID00273.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00274.3p	miR	TJU_CMC.ID00274.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00275.5p	miR	TJU_CMC.ID00275.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00276.5p	miR	TJU_CMC.ID00276.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00277.3p	miR	TJU_CMC.ID00277.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00278.5p	miR	TJU_CMC.ID00278.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00279.5p	miR	TJU_CMC.ID00279.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00280.3p	miR	TJU_CMC.ID00280.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00281.5p	miR	TJU_CMC.ID00281.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00282.5p	miR	TJU_CMC.ID00282.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00283.3p	miR	TJU_CMC.ID00283.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00284.5p	miR	TJU_CMC.ID00284.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	

TJU_CMC.ID00285.3p miR	TJU_CMC.ID00285.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00286.3p miR	TJU_CMC.ID00286.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00287.5p miR	TJU_CMC.ID00287.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00288.3p miR	TJU_CMC.ID00288.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00289.5p miR	TJU_CMC.ID00289.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00290.3p miR	TJU_CMC.ID00290.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00291.5p miR	TJU_CMC.ID00291.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00292.3p miR	TJU_CMC.ID00292.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00293.3p miR	TJU_CMC.ID00293.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00294.5p miR	TJU_CMC.ID00294.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00295.5p miR	TJU_CMC.ID00295.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00296.3p miR	TJU_CMC.ID00296.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00297.3p miR	TJU_CMC.ID00297.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00298.5p miR	TJU_CMC.ID00298.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00299.5p miR	TJU_CMC.ID00299.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00300.3p miR	TJU_CMC.ID00300.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00301.5p miR	TJU_CMC.ID00301.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00302.3p miR	TJU_CMC.ID00302.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00303.5p miR	TJU_CMC.ID00303.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00304.5p miR	TJU_CMC.ID00304.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00305.5p miR	TJU_CMC.ID00305.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00306.5p miR	TJU_CMC.ID00306.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00307.3p miR	TJU_CMC.ID00307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00308.5p miR	TJU_CMC.ID00308.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00309.5p miR	TJU_CMC.ID00309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00310.5p miR	TJU_CMC.ID00310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00311.5p miR	TJU_CMC.ID00311.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00312.5p miR	TJU_CMC.ID00312.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00313.5p miR	TJU_CMC.ID00313.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00314.3p miR	TJU_CMC.ID00314.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00315.5p miR	TJU_CMC.ID00315.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00316.5p miR	TJU_CMC.ID00316.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00317.3p miR	TJU_CMC.ID00317.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00318.5p miR	TJU_CMC.ID00318.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00319.5p miR	TJU_CMC.ID00319.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00320.3p miR	TJU_CMC.ID00320.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID00321.5p	miR	TJU_CMC.ID00321.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00322.5p	miR	TJU_CMC.ID00322.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00323.3p	miR	TJU_CMC.ID00323.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00324.5p	miR	TJU_CMC.ID00324.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00325.3p	miR	TJU_CMC.ID00325.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00326.5p	miR	TJU_CMC.ID00326.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00327.5p	miR	TJU_CMC.ID00327.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00328.5p	miR	TJU_CMC.ID00328.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00329.5p	miR	TJU_CMC.ID00329.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00330.3p	miR	TJU_CMC.ID00330.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00331.3p	miR	TJU_CMC.ID00331.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00332.3p	miR	TJU_CMC.ID00332.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00333.3p	miR	TJU_CMC.ID00333.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00334.5p	miR	TJU_CMC.ID00334.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00335.3p	miR	TJU_CMC.ID00335.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00336.5p	miR	TJU_CMC.ID00336.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00337.3p	miR	TJU_CMC.ID00337.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00338.5p	miR	TJU_CMC.ID00338.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00339.3p	miR	TJU_CMC.ID00339.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00340.3p	miR	TJU_CMC.ID00340.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00341.3p	miR	TJU_CMC.ID00341.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00342.5p	miR	TJU_CMC.ID00342.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00343.5p	miR	TJU_CMC.ID00343.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00344.3p	miR	TJU_CMC.ID00344.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00345.5p	miR	TJU_CMC.ID00345.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00346.5p	miR	TJU_CMC.ID00346.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00347.3p	miR	TJU_CMC.ID00347.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00348.3p	miR	TJU_CMC.ID00348.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00349.5p	miR	TJU_CMC.ID00349.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00350.3p	miR	TJU_CMC.ID00350.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00351.3p	miR	TJU_CMC.ID00351.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00352.3p	miR	TJU_CMC.ID00352.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00353.3p	miR	TJU_CMC.ID00353.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00354.5p	miR	TJU_CMC.ID00354.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00355.3p	miR	TJU_CMC.ID00355.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00356.5p	miR	TJU_CMC.ID00356.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID00357.3p miR	TJU_CMC.ID00357.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00358.3p miR	TJU_CMC.ID00358.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00359.5p miR	TJU_CMC.ID00359.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00360.3p miR	TJU_CMC.ID00360.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00361.5p miR	TJU_CMC.ID00361.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00362.3p miR	TJU_CMC.ID00362.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00363.5p miR	TJU_CMC.ID00363.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00364.3p miR	TJU_CMC.ID00364.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00365.5p miR	TJU_CMC.ID00365.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00366.5p miR	TJU_CMC.ID00366.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00367.5p miR	TJU_CMC.ID00367.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00368.5p miR	TJU_CMC.ID00368.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00369.5p miR	TJU_CMC.ID00369.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00370.5p miR	TJU_CMC.ID00370.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00371.3p miR	TJU_CMC.ID00371.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00372.3p miR	TJU_CMC.ID00372.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00373.5p miR	TJU_CMC.ID00373.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00374.5p miR	TJU_CMC.ID00374.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00375.3p miR	TJU_CMC.ID00375.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00376.3p miR	TJU_CMC.ID00376.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00377.3p miR	TJU_CMC.ID00377.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00378.5p miR	TJU_CMC.ID00378.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00379.5p miR	TJU_CMC.ID00379.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00380.3p miR	TJU_CMC.ID00380.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00381.3p miR	TJU_CMC.ID00381.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00382.5p miR	TJU_CMC.ID00382.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00383.3p miR	TJU_CMC.ID00383.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00384.3p miR	TJU_CMC.ID00384.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00385.5p miR	TJU_CMC.ID00385.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00386.5p miR	TJU_CMC.ID00386.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00387.5p miR	TJU_CMC.ID00387.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00388.5p miR	TJU_CMC.ID00388.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00389.5p miR	TJU_CMC.ID00389.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00390.3p miR	TJU_CMC.ID00390.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00391.5p miR	TJU_CMC.ID00391.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00392.5p miR	TJU_CMC.ID00392.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00393.5p miR	TJU_CMC.ID00393.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00394.3p miR	TJU_CMC.ID00394.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00395.3p miR	TJU_CMC.ID00395.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00396.5p miR	TJU_CMC.ID00396.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00397.3p miR	TJU_CMC.ID00397.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00398.3p miR	TJU_CMC.ID00398.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00399.3p miR	TJU_CMC.ID00399.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00400.3p miR	TJU_CMC.ID00400.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00401.5p miR	TJU_CMC.ID00401.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00402.3p miR	TJU_CMC.ID00402.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00403.3p miR	TJU_CMC.ID00403.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00404.5p miR	TJU_CMC.ID00404.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00405.5p miR	TJU_CMC.ID00405.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00406.5p miR	TJU_CMC.ID00406.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00407.5p miR	TJU_CMC.ID00407.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00408.5p miR	TJU_CMC.ID00408.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00409.5p miR	TJU_CMC.ID00409.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00410.3p miR	TJU_CMC.ID00410.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00411.5p miR	TJU_CMC.ID00411.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00412.3p miR	TJU_CMC.ID00412.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00413.3p miR	TJU_CMC.ID00413.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00414.3p miR	TJU_CMC.ID00414.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00415.3p miR	TJU_CMC.ID00415.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID00416.3p miR	TJU_CMC.ID00416.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00417.3p miR	TJU_CMC.ID00417.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00418.3p miR	TJU_CMC.ID00418.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00419.3p miR	TJU_CMC.ID00419.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00420.3p miR	TJU_CMC.ID00420.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00421.5p miR	TJU_CMC.ID00421.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00422.5p miR	TJU_CMC.ID00422.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00423.5p miR	TJU_CMC.ID00423.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00424.5p miR	TJU_CMC.ID00424.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00425.3p miR	TJU_CMC.ID00425.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID00426.5p miR	TJU_CMC.ID00426.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00427.3p miR	TJU_CMC.ID00427.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00428.5p miR	TJU_CMC.ID00428.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID00429.5p miR	TJU_CMC.ID00429.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID00430.3p miR	TJU_CMC.ID00430.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00431.5p miR	TJU_CMC.ID00431.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00432.3p miR	TJU_CMC.ID00432.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00433.5p miR	TJU_CMC.ID00433.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID00434.3p miR	TJU_CMC.ID00434.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00435.5p miR	TJU_CMC.ID00435.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID00436.5p miR	TJU_CMC.ID00436.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID00437.3p miR	TJU_CMC.ID00437.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID00438.5p miR	TJU_CMC.ID00438.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID00439.3p miR	TJU_CMC.ID00439.hairpin	YES	YES NO	YES	NO	NO	NO	NO
TJU_CMC.ID00440.5p miR	TJU_CMC.ID00440.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00441.3p miR	TJU_CMC.ID00441.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00442.3p miR	TJU_CMC.ID00442.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00443.5p miR	TJU_CMC.ID00443.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00444.5p miR	TJU_CMC.ID00444.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00445.3p miR	TJU_CMC.ID00445.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00446.3p miR	TJU_CMC.ID00446.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID00447.5p miR	TJU_CMC.ID00447.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID00448.5p miR	TJU_CMC.ID00448.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID00449.5p miR	TJU_CMC.ID00449.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00450.3p miR	TJU_CMC.ID00450.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00451.3p miR	TJU_CMC.ID00451.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00452.3p miR	TJU_CMC.ID00452.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00453.3p miR	TJU_CMC.ID00453.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00454.3p miR	TJU_CMC.ID00454.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00455.3p miR	TJU_CMC.ID00455.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00456.3p miR	TJU_CMC.ID00456.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00457.5p miR	TJU_CMC.ID00457.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID00458.3p miR	TJU_CMC.ID00458.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00459.5p miR	TJU_CMC.ID00459.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00460.3p miR	TJU_CMC.ID00460.hairpin	YES	YES NO	NO	YES	NO	NO	NO
TJU_CMC.ID00461.3p miR	TJU_CMC.ID00461.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID00462.3p miR	TJU_CMC.ID00462.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID00463.3p miR	TJU_CMC.ID00463.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID00464.3p miR	TJU_CMC.ID00464.hairpin	YES	YES YES	YES	NO	NO	NO	NO

TJU_CMC.ID00465.3p miR	TJU_CMC.ID00465.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00466.3p miR	TJU_CMC.ID00466.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00467.3p miR	TJU_CMC.ID00467.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00468.5p miR	TJU_CMC.ID00468.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00469.5p miR	TJU_CMC.ID00469.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00470.5p miR	TJU_CMC.ID00470.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00471.3p miR	TJU_CMC.ID00471.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00472.5p miR	TJU_CMC.ID00472.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00473.3p miR	TJU_CMC.ID00473.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00474.5p miR	TJU_CMC.ID00474.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00475.3p miR	TJU_CMC.ID00475.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00476.5p miR	TJU_CMC.ID00476.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00477.3p miR	TJU_CMC.ID00477.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00478.3p miR	TJU_CMC.ID00478.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00479.5p miR	TJU_CMC.ID00479.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00480.3p miR	TJU_CMC.ID00480.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00481.5p miR	TJU_CMC.ID00481.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00482.5p miR	TJU_CMC.ID00482.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00483.3p miR	TJU_CMC.ID00483.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00484.3p miR	TJU_CMC.ID00484.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00485.5p miR	TJU_CMC.ID00485.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00486.5p miR	TJU_CMC.ID00486.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00487.5p miR	TJU_CMC.ID00487.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00488.3p miR	TJU_CMC.ID00488.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00489.5p miR	TJU_CMC.ID00489.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00490.3p miR	TJU_CMC.ID00490.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00491.3p miR	TJU_CMC.ID00491.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00492.5p miR	TJU_CMC.ID00492.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00493.5p miR	TJU_CMC.ID00493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00494.5p miR	TJU_CMC.ID00494.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00495.3p miR	TJU_CMC.ID00495.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00496.5p miR	TJU_CMC.ID00496.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00497.3p miR	TJU_CMC.ID00497.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00498.5p miR	TJU_CMC.ID00498.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00499.3p miR	TJU_CMC.ID00499.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00500.5p miR	TJU_CMC.ID00500.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID00501.3p miR	TJU_CMC.ID00501.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00502.3p miR	TJU_CMC.ID00502.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00503.3p miR	TJU_CMC.ID00503.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00504.5p miR	TJU_CMC.ID00504.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00505.5p miR	TJU_CMC.ID00505.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00506.3p miR	TJU_CMC.ID00506.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00507.3p miR	TJU_CMC.ID00507.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00508.3p miR	TJU_CMC.ID00508.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00509.3p miR	TJU_CMC.ID00509.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00510.3p miR	TJU_CMC.ID00510.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00511.5p miR	TJU_CMC.ID00511.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00512.3p miR	TJU_CMC.ID00512.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00513.3p miR	TJU_CMC.ID00513.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00514.3p miR	TJU_CMC.ID00514.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00515.3p miR	TJU_CMC.ID00515.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00516.3p miR	TJU_CMC.ID00516.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00517.3p miR	TJU_CMC.ID00517.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00518.3p miR	TJU_CMC.ID00518.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00519.5p miR	TJU_CMC.ID00519.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00520.5p miR	TJU_CMC.ID00520.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00521.5p miR	TJU_CMC.ID00521.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00522.5p miR	TJU_CMC.ID00522.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00523.5p miR	TJU_CMC.ID00523.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00524.3p miR	TJU_CMC.ID00524.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00525.3p miR	TJU_CMC.ID00525.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00526.5p miR	TJU_CMC.ID00526.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00527.3p miR	TJU_CMC.ID00527.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00528.5p miR	TJU_CMC.ID00528.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00529.5p miR	TJU_CMC.ID00529.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00530.3p miR	TJU_CMC.ID00530.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00531.3p miR	TJU_CMC.ID00531.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00532.5p miR	TJU_CMC.ID00532.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00533.3p miR	TJU_CMC.ID00533.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00534.3p miR	TJU_CMC.ID00534.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00535.5p miR	TJU_CMC.ID00535.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00536.3p miR	TJU_CMC.ID00536.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID00537.3p miR	TJU_CMC.ID00537.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00538.3p miR	TJU_CMC.ID00538.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00539.5p miR	TJU_CMC.ID00539.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00540.5p miR	TJU_CMC.ID00540.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00541.5p miR	TJU_CMC.ID00541.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00542.5p miR	TJU_CMC.ID00542.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00543.3p miR	TJU_CMC.ID00543.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00544.5p miR	TJU_CMC.ID00544.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00545.5p miR	TJU_CMC.ID00545.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00546.5p miR	TJU_CMC.ID00546.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00547.3p miR	TJU_CMC.ID00547.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00548.5p miR	TJU_CMC.ID00548.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00549.5p miR	TJU_CMC.ID00549.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00550.3p miR	TJU_CMC.ID00550.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00551.5p miR	TJU_CMC.ID00551.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00552.3p miR	TJU_CMC.ID00552.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00553.3p miR	TJU_CMC.ID00553.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00554.3p miR	TJU_CMC.ID00554.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00555.3p miR	TJU_CMC.ID00555.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00556.5p miR	TJU_CMC.ID00556.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00557.5p miR	TJU_CMC.ID00557.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00558.5p miR	TJU_CMC.ID00558.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00559.3p miR	TJU_CMC.ID00559.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00560.3p miR	TJU_CMC.ID00560.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00561.5p miR	TJU_CMC.ID00561.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00562.3p miR	TJU_CMC.ID00562.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00563.5p miR	TJU_CMC.ID00563.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00564.5p miR	TJU_CMC.ID00564.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00565.3p miR	TJU_CMC.ID00565.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00566.3p miR	TJU_CMC.ID00566.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00567.5p miR	TJU_CMC.ID00567.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00568.5p miR	TJU_CMC.ID00568.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00569.3p miR	TJU_CMC.ID00569.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00570.3p miR	TJU_CMC.ID00570.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00571.5p miR	TJU_CMC.ID00571.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00572.5p miR	TJU_CMC.ID00572.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00573.3p miR	TJU_CMC.ID00573.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00574.5p miR	TJU_CMC.ID00574.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00575.5p miR	TJU_CMC.ID00575.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00576.5p miR	TJU_CMC.ID00576.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00577.3p miR	TJU_CMC.ID00577.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00578.3p miR	TJU_CMC.ID00578.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00579.3p miR	TJU_CMC.ID00579.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00580.3p miR	TJU_CMC.ID00580.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00581.3p miR	TJU_CMC.ID00581.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00582.3p miR	TJU_CMC.ID00582.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00583.3p miR	TJU_CMC.ID00583.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00584.5p miR	TJU_CMC.ID00584.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00585.3p miR	TJU_CMC.ID00585.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00586.5p miR	TJU_CMC.ID00586.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00587.3p miR	TJU_CMC.ID00587.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00587.5p miR	TJU_CMC.ID00587.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00588.3p miR	TJU_CMC.ID00588.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00589.3p miR	TJU_CMC.ID00589.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00590.5p miR	TJU_CMC.ID00590.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00591.3p miR	TJU_CMC.ID00591.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00592.5p miR	TJU_CMC.ID00592.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00593.5p miR	TJU_CMC.ID00593.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00594.3p miR	TJU_CMC.ID00594.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00595.5p miR	TJU_CMC.ID00595.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00596.3p miR	TJU_CMC.ID00596.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00597.3p miR	TJU_CMC.ID00597.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00598.5p miR	TJU_CMC.ID00598.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00599.3p miR	TJU_CMC.ID00599.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00600.3p miR	TJU_CMC.ID00600.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00601.5p miR	TJU_CMC.ID00601.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00602.3p miR	TJU_CMC.ID00602.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00603.3p miR	TJU_CMC.ID00603.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00604.5p miR	TJU_CMC.ID00604.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00605.5p miR	TJU_CMC.ID00605.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00606.3p miR	TJU_CMC.ID00606.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00607.5p miR	TJU_CMC.ID00607.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID00608.3p miR	TJU_CMC.ID00608.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00609.3p miR	TJU_CMC.ID00609.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00610.5p miR	TJU_CMC.ID00610.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00611.5p miR	TJU_CMC.ID00611.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00612.5p miR	TJU_CMC.ID00612.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00613.3p miR	TJU_CMC.ID00613.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00614.5p miR	TJU_CMC.ID00614.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00615.3p miR	TJU_CMC.ID00615.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00616.3p miR	TJU_CMC.ID00616.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00617.3p miR	TJU_CMC.ID00617.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00618.5p miR	TJU_CMC.ID00618.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00619.3p miR	TJU_CMC.ID00619.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00620.5p miR	TJU_CMC.ID00620.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00621.5p miR	TJU_CMC.ID00621.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00622.5p miR	TJU_CMC.ID00622.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00623.3p miR	TJU_CMC.ID00623.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00624.3p miR	TJU_CMC.ID00624.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00625.5p miR	TJU_CMC.ID00625.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00626.3p miR	TJU_CMC.ID00626.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00627.3p miR	TJU_CMC.ID00627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00628.5p miR	TJU_CMC.ID00628.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00629.3p miR	TJU_CMC.ID00629.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00630.5p miR	TJU_CMC.ID00630.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00631.5p miR	TJU_CMC.ID00631.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00632.5p miR	TJU_CMC.ID00632.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00633.5p miR	TJU_CMC.ID00633.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00634.3p miR	TJU_CMC.ID00634.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00635.3p miR	TJU_CMC.ID00635.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00636.5p miR	TJU_CMC.ID00636.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00637.3p miR	TJU_CMC.ID00637.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00638.3p miR	TJU_CMC.ID00638.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00639.3p miR	TJU_CMC.ID00639.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00640.3p miR	TJU_CMC.ID00640.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00641.5p miR	TJU_CMC.ID00641.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00642.3p miR	TJU_CMC.ID00642.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00643.5p miR	TJU_CMC.ID00643.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID00644.5p miR	TJU_CMC.ID00644.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00645.3p miR	TJU_CMC.ID00645.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00646.5p miR	TJU_CMC.ID00646.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00647.5p miR	TJU_CMC.ID00647.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00648.5p miR	TJU_CMC.ID00648.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00649.3p miR	TJU_CMC.ID00649.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00650.5p miR	TJU_CMC.ID00650.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00651.5p miR	TJU_CMC.ID00651.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00652.3p miR	TJU_CMC.ID00652.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00653.5p miR	TJU_CMC.ID00653.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00654.5p miR	TJU_CMC.ID00654.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00655.5p miR	TJU_CMC.ID00655.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00656.5p miR	TJU_CMC.ID00656.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00657.5p miR	TJU_CMC.ID00657.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00658.5p miR	TJU_CMC.ID00658.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00659.3p miR	TJU_CMC.ID00659.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00660.3p miR	TJU_CMC.ID00660.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00661.3p miR	TJU_CMC.ID00661.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00662.3p miR	TJU_CMC.ID00662.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00663.5p miR	TJU_CMC.ID00663.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00664.5p miR	TJU_CMC.ID00664.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00665.5p miR	TJU_CMC.ID00665.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00666.5p miR	TJU_CMC.ID00666.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00667.3p miR	TJU_CMC.ID00667.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00668.3p miR	TJU_CMC.ID00668.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00669.3p miR	TJU_CMC.ID00669.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00670.5p miR	TJU_CMC.ID00670.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00671.3p miR	TJU_CMC.ID00671.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00672.3p miR	TJU_CMC.ID00672.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00673.3p miR	TJU_CMC.ID00673.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00674.5p miR	TJU_CMC.ID00674.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00675.3p miR	TJU_CMC.ID00675.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00676.5p miR	TJU_CMC.ID00676.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00677.3p miR	TJU_CMC.ID00677.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00678.3p miR	TJU_CMC.ID00678.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00679.3p miR	TJU_CMC.ID00679.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID00680.5p miR	TJU_CMC.ID00680.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00681.3p miR	TJU_CMC.ID00681.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00682.5p miR	TJU_CMC.ID00682.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00683.3p miR	TJU_CMC.ID00683.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00684.3p miR	TJU_CMC.ID00684.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00685.5p miR	TJU_CMC.ID00685.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00686.3p miR	TJU_CMC.ID00686.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00687.5p miR	TJU_CMC.ID00687.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00688.3p miR	TJU_CMC.ID00688.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00689.5p miR	TJU_CMC.ID00689.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00690.3p miR	TJU_CMC.ID00690.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00691.3p miR	TJU_CMC.ID00691.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00692.3p miR	TJU_CMC.ID00692.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00693.3p miR	TJU_CMC.ID00693.hairpin	YES	NO	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00694.5p miR	TJU_CMC.ID00694.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00695.3p miR	TJU_CMC.ID00695.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00696.3p miR	TJU_CMC.ID00696.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00697.3p miR	TJU_CMC.ID00697.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00698.3p miR	TJU_CMC.ID00698.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00699.3p miR	TJU_CMC.ID00699.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00700.3p miR	TJU_CMC.ID00700.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00701.5p miR	TJU_CMC.ID00701.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00702.3p miR	TJU_CMC.ID00702.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00703.5p miR	TJU_CMC.ID00703.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00704.3p miR	TJU_CMC.ID00704.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00705.3p miR	TJU_CMC.ID00705.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00706.3p miR	TJU_CMC.ID00706.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00707.5p miR	TJU_CMC.ID00707.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00708.5p miR	TJU_CMC.ID00708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00709.3p miR	TJU_CMC.ID00709.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00710.3p miR	TJU_CMC.ID00710.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00711.5p miR	TJU_CMC.ID00711.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00712.3p miR	TJU_CMC.ID00712.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00713.3p miR	TJU_CMC.ID00713.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00714.3p miR	TJU_CMC.ID00714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00715.5p miR	TJU_CMC.ID00715.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00716.3p miR	TJU_CMC.ID00716.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00717.3p miR	TJU_CMC.ID00717.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00718.3p miR	TJU_CMC.ID00718.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00719.5p miR	TJU_CMC.ID00719.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00720.5p miR	TJU_CMC.ID00720.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00721.5p miR	TJU_CMC.ID00721.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00722.3p miR	TJU_CMC.ID00722.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00723.5p miR	TJU_CMC.ID00723.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00724.5p miR	TJU_CMC.ID00724.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00725.3p miR	TJU_CMC.ID00725.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00726.5p miR	TJU_CMC.ID00726.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID00727.3p miR	TJU_CMC.ID00727.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00728.3p miR	TJU_CMC.ID00728.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00729.3p miR	TJU_CMC.ID00729.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00730.5p miR	TJU_CMC.ID00730.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00731.3p miR	TJU_CMC.ID00731.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID00732.3p miR	TJU_CMC.ID00732.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00733.3p miR	TJU_CMC.ID00733.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00734.3p miR	TJU_CMC.ID00734.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00735.5p miR	TJU_CMC.ID00735.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00736.5p miR	TJU_CMC.ID00736.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00737.5p miR	TJU_CMC.ID00737.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00738.5p miR	TJU_CMC.ID00738.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00739.5p miR	TJU_CMC.ID00739.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00740.3p miR	TJU_CMC.ID00740.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00741.3p miR	TJU_CMC.ID00741.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00742.5p miR	TJU_CMC.ID00742.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00743.5p miR	TJU_CMC.ID00743.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID00744.3p miR	TJU_CMC.ID00744.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00745.5p miR	TJU_CMC.ID00745.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00746.5p miR	TJU_CMC.ID00746.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00747.3p miR	TJU_CMC.ID00747.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00748.3p miR	TJU_CMC.ID00748.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00749.5p miR	TJU_CMC.ID00749.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00750.3p miR	TJU_CMC.ID00750.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID00751.5p miR	TJU_CMC.ID00751.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID00752.5p miR	TJU_CMC.ID00752.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00753.3p miR	TJU_CMC.ID00753.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00754.5p miR	TJU_CMC.ID00754.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00755.5p miR	TJU_CMC.ID00755.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00756.5p miR	TJU_CMC.ID00756.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00757.5p miR	TJU_CMC.ID00757.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00758.5p miR	TJU_CMC.ID00758.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00759.5p miR	TJU_CMC.ID00759.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00760.3p miR	TJU_CMC.ID00760.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00761.3p miR	TJU_CMC.ID00761.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00762.3p miR	TJU_CMC.ID00762.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00763.5p miR	TJU_CMC.ID00763.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00764.3p miR	TJU_CMC.ID00764.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00765.3p miR	TJU_CMC.ID00765.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00766.3p miR	TJU_CMC.ID00766.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00767.5p miR	TJU_CMC.ID00767.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00768.5p miR	TJU_CMC.ID00768.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00769.5p miR	TJU_CMC.ID00769.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00770.5p miR	TJU_CMC.ID00770.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00771.3p miR	TJU_CMC.ID00771.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00772.5p miR	TJU_CMC.ID00772.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00773.5p miR	TJU_CMC.ID00773.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00774.3p miR	TJU_CMC.ID00774.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00775.3p miR	TJU_CMC.ID00775.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00776.5p miR	TJU_CMC.ID00776.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00777.3p miR	TJU_CMC.ID00777.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00778.3p miR	TJU_CMC.ID00778.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00779.3p miR	TJU_CMC.ID00779.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00780.3p miR	TJU_CMC.ID00780.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00781.3p miR	TJU_CMC.ID00781.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00782.3p miR	TJU_CMC.ID00782.hairpin	YES	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID00783.3p miR	TJU_CMC.ID00783.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00784.5p miR	TJU_CMC.ID00784.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00785.5p miR	TJU_CMC.ID00785.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00786.5p miR	TJU_CMC.ID00786.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00787.3p miR	TJU_CMC.ID00787.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID00788.3p miR	TJU_CMC.ID00788.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00789.3p miR	TJU_CMC.ID00789.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00790.5p miR	TJU_CMC.ID00790.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00791.5p miR	TJU_CMC.ID00791.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00792.5p miR	TJU_CMC.ID00792.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00793.5p miR	TJU_CMC.ID00793.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00794.5p miR	TJU_CMC.ID00794.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00795.3p miR	TJU_CMC.ID00795.hairpin	YES	YES YES	YES	YES	YES	YES	YES	YES	YES
TJU_CMC.ID00796.5p miR	TJU_CMC.ID00796.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00797.5p miR	TJU_CMC.ID00797.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00798.3p miR	TJU_CMC.ID00798.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00799.3p miR	TJU_CMC.ID00799.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00800.5p miR	TJU_CMC.ID00800.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00801.5p miR	TJU_CMC.ID00801.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00802.5p miR	TJU_CMC.ID00802.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00803.3p miR	TJU_CMC.ID00803.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00804.3p miR	TJU_CMC.ID00804.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00805.5p miR	TJU_CMC.ID00805.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00806.5p miR	TJU_CMC.ID00806.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00807.5p miR	TJU_CMC.ID00807.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00808.5p miR	TJU_CMC.ID00808.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00809.5p miR	TJU_CMC.ID00809.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00810.5p miR	TJU_CMC.ID00810.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00811.5p miR	TJU_CMC.ID00811.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00812.5p miR	TJU_CMC.ID00812.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00813.5p miR	TJU_CMC.ID00813.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00814.3p miR	TJU_CMC.ID00814.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00815.3p miR	TJU_CMC.ID00815.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00816.3p miR	TJU_CMC.ID00816.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00817.5p miR	TJU_CMC.ID00817.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00818.3p miR	TJU_CMC.ID00818.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00819.3p miR	TJU_CMC.ID00819.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00820.3p miR	TJU_CMC.ID00820.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00821.3p miR	TJU_CMC.ID00821.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00822.5p miR	TJU_CMC.ID00822.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00823.5p miR	TJU_CMC.ID00823.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID00824.5p miR	TJU_CMC.ID00824.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00825.3p miR	TJU_CMC.ID00825.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00826.3p miR	TJU_CMC.ID00826.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00827.5p miR	TJU_CMC.ID00827.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00828.3p miR	TJU_CMC.ID00828.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00829.3p miR	TJU_CMC.ID00829.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00830.3p miR	TJU_CMC.ID00830.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00831.3p miR	TJU_CMC.ID00831.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00832.5p miR	TJU_CMC.ID00832.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00833.3p miR	TJU_CMC.ID00833.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00834.5p miR	TJU_CMC.ID00834.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00835.5p miR	TJU_CMC.ID00835.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00836.5p miR	TJU_CMC.ID00836.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00837.5p miR	TJU_CMC.ID00837.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00838.3p miR	TJU_CMC.ID00838.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00839.5p miR	TJU_CMC.ID00839.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00840.3p miR	TJU_CMC.ID00840.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00841.5p miR	TJU_CMC.ID00841.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00842.3p miR	TJU_CMC.ID00842.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00843.5p miR	TJU_CMC.ID00843.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00844.5p miR	TJU_CMC.ID00844.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00845.3p miR	TJU_CMC.ID00845.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00846.5p miR	TJU_CMC.ID00846.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00847.3p miR	TJU_CMC.ID00847.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00848.3p miR	TJU_CMC.ID00848.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00849.3p miR	TJU_CMC.ID00849.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00850.3p miR	TJU_CMC.ID00850.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00851.5p miR	TJU_CMC.ID00851.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00852.5p miR	TJU_CMC.ID00852.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00853.3p miR	TJU_CMC.ID00853.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00854.3p miR	TJU_CMC.ID00854.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00855.3p miR	TJU_CMC.ID00855.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00856.3p miR	TJU_CMC.ID00856.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00857.5p miR	TJU_CMC.ID00857.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00858.5p miR	TJU_CMC.ID00858.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00859.3p miR	TJU_CMC.ID00859.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00860.3p miR	TJU_CMC.ID00860.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00861.3p miR	TJU_CMC.ID00861.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00862.5p miR	TJU_CMC.ID00862.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00863.3p miR	TJU_CMC.ID00863.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00864.3p miR	TJU_CMC.ID00864.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00865.5p miR	TJU_CMC.ID00865.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00866.3p miR	TJU_CMC.ID00866.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00867.5p miR	TJU_CMC.ID00867.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID00868.5p miR	TJU_CMC.ID00868.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00869.3p miR	TJU_CMC.ID00869.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00870.5p miR	TJU_CMC.ID00870.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID00871.5p miR	TJU_CMC.ID00871.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID00872.5p miR	TJU_CMC.ID00872.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00873.5p miR	TJU_CMC.ID00873.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00874.3p miR	TJU_CMC.ID00874.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00875.3p miR	TJU_CMC.ID00875.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00876.5p miR	TJU_CMC.ID00876.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00877.3p miR	TJU_CMC.ID00877.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00878.3p miR	TJU_CMC.ID00878.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00879.5p miR	TJU_CMC.ID00879.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00880.3p miR	TJU_CMC.ID00880.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00881.3p miR	TJU_CMC.ID00881.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00882.3p miR	TJU_CMC.ID00882.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00883.3p miR	TJU_CMC.ID00883.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00884.3p miR	TJU_CMC.ID00884.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00885.5p miR	TJU_CMC.ID00885.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00886.3p miR	TJU_CMC.ID00886.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00887.3p miR	TJU_CMC.ID00887.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00888.5p miR	TJU_CMC.ID00888.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00889.3p miR	TJU_CMC.ID00889.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00890.5p miR	TJU_CMC.ID00890.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00891.5p miR	TJU_CMC.ID00891.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00892.3p miR	TJU_CMC.ID00892.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00893.3p miR	TJU_CMC.ID00893.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00894.5p miR	TJU_CMC.ID00894.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00895.3p miR	TJU_CMC.ID00895.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID00896.5p miR	TJU_CMC.ID00896.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00897.3p miR	TJU_CMC.ID00897.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00898.3p miR	TJU_CMC.ID00898.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00899.3p miR	TJU_CMC.ID00899.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00900.5p miR	TJU_CMC.ID00900.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00901.3p miR	TJU_CMC.ID00901.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00902.5p miR	TJU_CMC.ID00902.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00903.3p miR	TJU_CMC.ID00903.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00904.3p miR	TJU_CMC.ID00904.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00905.5p miR	TJU_CMC.ID00905.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00906.3p miR	TJU_CMC.ID00906.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00907.5p miR	TJU_CMC.ID00907.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00908.5p miR	TJU_CMC.ID00908.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00909.5p miR	TJU_CMC.ID00909.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00910.3p miR	TJU_CMC.ID00910.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00911.5p miR	TJU_CMC.ID00911.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00912.5p miR	TJU_CMC.ID00912.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00913.3p miR	TJU_CMC.ID00913.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00914.5p miR	TJU_CMC.ID00914.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00915.5p miR	TJU_CMC.ID00915.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00916.3p miR	TJU_CMC.ID00916.hairpin	YES	NO	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID00917.5p miR	TJU_CMC.ID00917.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00918.5p miR	TJU_CMC.ID00918.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00919.5p miR	TJU_CMC.ID00919.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00920.3p miR	TJU_CMC.ID00920.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00921.3p miR	TJU_CMC.ID00921.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00922.3p miR	TJU_CMC.ID00922.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00923.3p miR	TJU_CMC.ID00923.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00924.5p miR	TJU_CMC.ID00924.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00925.3p miR	TJU_CMC.ID00925.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00926.3p miR	TJU_CMC.ID00926.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00927.5p miR	TJU_CMC.ID00927.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00928.5p miR	TJU_CMC.ID00928.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00929.5p miR	TJU_CMC.ID00929.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00930.3p miR	TJU_CMC.ID00930.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00931.3p miR	TJU_CMC.ID00931.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00932.3p miR	TJU_CMC.ID00932.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00933.3p miR	TJU_CMC.ID00933.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00934.3p miR	TJU_CMC.ID00934.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00935.3p miR	TJU_CMC.ID00935.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00936.3p miR	TJU_CMC.ID00936.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00937.5p miR	TJU_CMC.ID00937.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00938.5p miR	TJU_CMC.ID00938.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00939.3p miR	TJU_CMC.ID00939.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00940.5p miR	TJU_CMC.ID00940.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00941.5p miR	TJU_CMC.ID00941.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00942.5p miR	TJU_CMC.ID00942.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00943.5p miR	TJU_CMC.ID00943.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00944.3p miR	TJU_CMC.ID00944.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00945.3p miR	TJU_CMC.ID00945.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00946.3p miR	TJU_CMC.ID00946.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00947.3p miR	TJU_CMC.ID00947.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00948.5p miR	TJU_CMC.ID00948.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00949.5p miR	TJU_CMC.ID00949.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID00950.3p miR	TJU_CMC.ID00950.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00951.3p miR	TJU_CMC.ID00951.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00952.3p miR	TJU_CMC.ID00952.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00953.3p miR	TJU_CMC.ID00953.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00954.3p miR	TJU_CMC.ID00954.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00955.3p miR	TJU_CMC.ID00955.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00956.5p miR	TJU_CMC.ID00956.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00957.3p miR	TJU_CMC.ID00957.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID00958.3p miR	TJU_CMC.ID00958.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00959.3p miR	TJU_CMC.ID00959.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00960.3p miR	TJU_CMC.ID00960.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00961.5p miR	TJU_CMC.ID00961.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00962.3p miR	TJU_CMC.ID00962.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID00963.3p miR	TJU_CMC.ID00963.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00964.3p miR	TJU_CMC.ID00964.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00965.5p miR	TJU_CMC.ID00965.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00966.5p miR	TJU_CMC.ID00966.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID00967.5p miR	TJU_CMC.ID00967.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID00968.3p miR	TJU_CMC.ID00968.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID00969.5p miR	TJU_CMC.ID00969.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00970.5p miR	TJU_CMC.ID00970.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00971.3p miR	TJU_CMC.ID00971.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00972.3p miR	TJU_CMC.ID00972.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00973.3p miR	TJU_CMC.ID00973.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00974.5p miR	TJU_CMC.ID00974.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00975.5p miR	TJU_CMC.ID00975.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00976.5p miR	TJU_CMC.ID00976.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID00977.5p miR	TJU_CMC.ID00977.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00978.3p miR	TJU_CMC.ID00978.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00979.3p miR	TJU_CMC.ID00979.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00980.3p miR	TJU_CMC.ID00980.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00981.3p miR	TJU_CMC.ID00981.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID00982.3p miR	TJU_CMC.ID00982.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00983.3p miR	TJU_CMC.ID00983.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00984.3p miR	TJU_CMC.ID00984.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID00985.5p miR	TJU_CMC.ID00985.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00986.3p miR	TJU_CMC.ID00986.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00987.5p miR	TJU_CMC.ID00987.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00988.3p miR	TJU_CMC.ID00988.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00989.3p miR	TJU_CMC.ID00989.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00990.5p miR	TJU_CMC.ID00990.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00991.5p miR	TJU_CMC.ID00991.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00992.3p miR	TJU_CMC.ID00992.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00993.3p miR	TJU_CMC.ID00993.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00994.5p miR	TJU_CMC.ID00994.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00995.5p miR	TJU_CMC.ID00995.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00996.3p miR	TJU_CMC.ID00996.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID00997.3p miR	TJU_CMC.ID00997.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID00998.3p miR	TJU_CMC.ID00998.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID00999.5p miR	TJU_CMC.ID00999.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01000.5p miR	TJU_CMC.ID01000.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01001.3p miR	TJU_CMC.ID01001.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID01002.3p miR	TJU_CMC.ID01002.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01003.3p miR	TJU_CMC.ID01003.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	

TJU_CMC.ID01004.3p miR	TJU_CMC.ID01004.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01005.5p miR	TJU_CMC.ID01005.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01006.5p miR	TJU_CMC.ID01006.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01007.3p miR	TJU_CMC.ID01007.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01008.5p miR	TJU_CMC.ID01008.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01009.3p miR	TJU_CMC.ID01009.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01010.5p miR	TJU_CMC.ID01010.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01011.3p miR	TJU_CMC.ID01011.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01012.3p miR	TJU_CMC.ID01012.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01013.5p miR	TJU_CMC.ID01013.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01014.3p miR	TJU_CMC.ID01014.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01015.5p miR	TJU_CMC.ID01015.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01016.3p miR	TJU_CMC.ID01016.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01017.5p miR	TJU_CMC.ID01017.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01018.3p miR	TJU_CMC.ID01018.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01019.3p miR	TJU_CMC.ID01019.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01020.3p miR	TJU_CMC.ID01020.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01021.5p miR	TJU_CMC.ID01021.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01022.3p miR	TJU_CMC.ID01022.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01023.5p miR	TJU_CMC.ID01023.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01024.3p miR	TJU_CMC.ID01024.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01025.5p miR	TJU_CMC.ID01025.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01026.5p miR	TJU_CMC.ID01026.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01027.3p miR	TJU_CMC.ID01027.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID01028.3p miR	TJU_CMC.ID01028.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01029.5p miR	TJU_CMC.ID01029.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01030.3p miR	TJU_CMC.ID01030.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01031.3p miR	TJU_CMC.ID01031.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01032.3p miR	TJU_CMC.ID01032.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01033.5p miR	TJU_CMC.ID01033.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01034.3p miR	TJU_CMC.ID01034.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01035.3p miR	TJU_CMC.ID01035.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID01036.3p miR	TJU_CMC.ID01036.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01037.5p miR	TJU_CMC.ID01037.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01038.3p miR	TJU_CMC.ID01038.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID01039.3p miR	TJU_CMC.ID01039.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID01040.5p miR	TJU_CMC.ID01040.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01041.3p miR	TJU_CMC.ID01041.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01042.3p miR	TJU_CMC.ID01042.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01043.5p miR	TJU_CMC.ID01043.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01044.5p miR	TJU_CMC.ID01044.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01045.3p miR	TJU_CMC.ID01045.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01046.3p miR	TJU_CMC.ID01046.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01047.5p miR	TJU_CMC.ID01047.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01048.3p miR	TJU_CMC.ID01048.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01049.3p miR	TJU_CMC.ID01049.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01050.5p miR	TJU_CMC.ID01050.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01051.5p miR	TJU_CMC.ID01051.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01052.3p miR	TJU_CMC.ID01052.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01053.5p miR	TJU_CMC.ID01053.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01054.5p miR	TJU_CMC.ID01054.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01055.5p miR	TJU_CMC.ID01055.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01056.3p miR	TJU_CMC.ID01056.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01057.3p miR	TJU_CMC.ID01057.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01058.3p miR	TJU_CMC.ID01058.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01059.5p miR	TJU_CMC.ID01059.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01060.3p miR	TJU_CMC.ID01060.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01061.3p miR	TJU_CMC.ID01061.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01062.3p miR	TJU_CMC.ID01062.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01063.5p miR	TJU_CMC.ID01063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01064.3p miR	TJU_CMC.ID01064.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01065.5p miR	TJU_CMC.ID01065.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01066.3p miR	TJU_CMC.ID01066.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01067.5p miR	TJU_CMC.ID01067.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01068.5p miR	TJU_CMC.ID01068.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01069.3p miR	TJU_CMC.ID01069.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01070.3p miR	TJU_CMC.ID01070.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01071.3p miR	TJU_CMC.ID01071.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01072.5p miR	TJU_CMC.ID01072.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01073.3p miR	TJU_CMC.ID01073.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01074.5p miR	TJU_CMC.ID01074.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01075.5p miR	TJU_CMC.ID01075.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01076.3p miR	TJU_CMC.ID01076.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01077.5p miR	TJU_CMC.ID01077.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01078.3p miR	TJU_CMC.ID01078.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01079.5p miR	TJU_CMC.ID01079.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01080.3p miR	TJU_CMC.ID01080.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01081.5p miR	TJU_CMC.ID01081.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01082.3p miR	TJU_CMC.ID01082.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01083.3p miR	TJU_CMC.ID01083.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01084.5p miR	TJU_CMC.ID01084.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01085.3p miR	TJU_CMC.ID01085.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01086.5p miR	TJU_CMC.ID01086.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01087.5p miR	TJU_CMC.ID01087.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01088.3p miR	TJU_CMC.ID01088.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01089.3p miR	TJU_CMC.ID01089.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01090.3p miR	TJU_CMC.ID01090.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01091.3p miR	TJU_CMC.ID01091.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01092.5p miR	TJU_CMC.ID01092.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01093.3p miR	TJU_CMC.ID01093.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01094.5p miR	TJU_CMC.ID01094.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01095.5p miR	TJU_CMC.ID01095.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01096.3p miR	TJU_CMC.ID01096.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01097.3p miR	TJU_CMC.ID01097.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01098.5p miR	TJU_CMC.ID01098.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01099.3p miR	TJU_CMC.ID01099.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01100.3p miR	TJU_CMC.ID01100.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01101.5p miR	TJU_CMC.ID01101.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01102.5p miR	TJU_CMC.ID01102.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01103.5p miR	TJU_CMC.ID01103.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01104.3p miR	TJU_CMC.ID01104.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01105.3p miR	TJU_CMC.ID01105.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01106.3p miR	TJU_CMC.ID01106.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01107.3p miR	TJU_CMC.ID01107.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01108.5p miR	TJU_CMC.ID01108.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01109.5p miR	TJU_CMC.ID01109.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01110.5p miR	TJU_CMC.ID01110.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01111.3p miR	TJU_CMC.ID01111.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01112.5p miR	TJU_CMC.ID01112.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01113.5p miR	TJU_CMC.ID01113.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01114.5p miR	TJU_CMC.ID01114.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01115.5p miR	TJU_CMC.ID01115.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01116.3p miR	TJU_CMC.ID01116.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01117.5p miR	TJU_CMC.ID01117.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01118.5p miR	TJU_CMC.ID01118.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01119.5p miR	TJU_CMC.ID01119.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01120.5p miR	TJU_CMC.ID01120.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01121.3p miR	TJU_CMC.ID01121.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01122.3p miR	TJU_CMC.ID01122.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01123.5p miR	TJU_CMC.ID01123.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01124.3p miR	TJU_CMC.ID01124.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01125.5p miR	TJU_CMC.ID01125.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01126.3p miR	TJU_CMC.ID01126.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01127.3p miR	TJU_CMC.ID01127.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01128.5p miR	TJU_CMC.ID01128.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01129.3p miR	TJU_CMC.ID01129.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01130.5p miR	TJU_CMC.ID01130.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01131.5p miR	TJU_CMC.ID01131.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01132.3p miR	TJU_CMC.ID01132.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01133.3p miR	TJU_CMC.ID01133.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01134.5p miR	TJU_CMC.ID01134.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01135.3p miR	TJU_CMC.ID01135.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01136.3p miR	TJU_CMC.ID01136.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01137.5p miR	TJU_CMC.ID01137.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01138.5p miR	TJU_CMC.ID01138.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01139.5p miR	TJU_CMC.ID01139.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01140.5p miR	TJU_CMC.ID01140.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01141.5p miR	TJU_CMC.ID01141.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01142.5p miR	TJU_CMC.ID01142.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01143.3p miR	TJU_CMC.ID01143.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01144.5p miR	TJU_CMC.ID01144.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01145.5p miR	TJU_CMC.ID01145.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01146.3p miR	TJU_CMC.ID01146.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01147.5p miR	TJU_CMC.ID01147.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID01148.5p miR	TJU_CMC.ID01148.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01149.3p miR	TJU_CMC.ID01149.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01150.5p miR	TJU_CMC.ID01150.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01151.5p miR	TJU_CMC.ID01151.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01152.5p miR	TJU_CMC.ID01152.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01153.3p miR	TJU_CMC.ID01153.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01154.3p miR	TJU_CMC.ID01154.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01155.3p miR	TJU_CMC.ID01155.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01156.5p miR	TJU_CMC.ID01156.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01157.5p miR	TJU_CMC.ID01157.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01158.5p miR	TJU_CMC.ID01158.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01159.3p miR	TJU_CMC.ID01159.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01160.3p miR	TJU_CMC.ID01160.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01161.5p miR	TJU_CMC.ID01161.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01162.3p miR	TJU_CMC.ID01162.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01163.5p miR	TJU_CMC.ID01163.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01164.3p miR	TJU_CMC.ID01164.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01165.5p miR	TJU_CMC.ID01165.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01166.3p miR	TJU_CMC.ID01166.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01167.5p miR	TJU_CMC.ID01167.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01168.5p miR	TJU_CMC.ID01168.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01169.3p miR	TJU_CMC.ID01169.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01170.5p miR	TJU_CMC.ID01170.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01171.3p miR	TJU_CMC.ID01171.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01172.5p miR	TJU_CMC.ID01172.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01173.3p miR	TJU_CMC.ID01173.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01174.5p miR	TJU_CMC.ID01174.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01175.3p miR	TJU_CMC.ID01175.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01176.5p miR	TJU_CMC.ID01176.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01177.5p miR	TJU_CMC.ID01177.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01178.5p miR	TJU_CMC.ID01178.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01179.3p miR	TJU_CMC.ID01179.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01180.5p miR	TJU_CMC.ID01180.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01181.5p miR	TJU_CMC.ID01181.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01182.5p miR	TJU_CMC.ID01182.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01183.5p miR	TJU_CMC.ID01183.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01184.3p miR	TJU_CMC.ID01184.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01185.3p miR	TJU_CMC.ID01185.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01186.3p miR	TJU_CMC.ID01186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01187.3p miR	TJU_CMC.ID01187.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01188.5p miR	TJU_CMC.ID01188.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01189.5p miR	TJU_CMC.ID01189.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01190.3p miR	TJU_CMC.ID01190.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01191.5p miR	TJU_CMC.ID01191.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01192.5p miR	TJU_CMC.ID01192.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01193.5p miR	TJU_CMC.ID01193.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01194.3p miR	TJU_CMC.ID01194.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01195.3p miR	TJU_CMC.ID01195.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01196.5p miR	TJU_CMC.ID01196.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01197.3p miR	TJU_CMC.ID01197.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01198.5p miR	TJU_CMC.ID01198.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01199.3p miR	TJU_CMC.ID01199.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01200.5p miR	TJU_CMC.ID01200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01201.3p miR	TJU_CMC.ID01201.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01202.3p miR	TJU_CMC.ID01202.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01203.3p miR	TJU_CMC.ID01203.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01204.3p miR	TJU_CMC.ID01204.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01205.3p miR	TJU_CMC.ID01205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01206.5p miR	TJU_CMC.ID01206.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01207.3p miR	TJU_CMC.ID01207.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01208.3p miR	TJU_CMC.ID01208.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01209.3p miR	TJU_CMC.ID01209.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01210.3p miR	TJU_CMC.ID01210.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01211.3p miR	TJU_CMC.ID01211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01212.3p miR	TJU_CMC.ID01212.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01213.3p miR	TJU_CMC.ID01213.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01214.3p miR	TJU_CMC.ID01214.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01215.3p miR	TJU_CMC.ID01215.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01216.3p miR	TJU_CMC.ID01216.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01217.3p miR	TJU_CMC.ID01217.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01218.3p miR	TJU_CMC.ID01218.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01219.5p miR	TJU_CMC.ID01219.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	

TJU_CMC.ID01220.3p miR	TJU_CMC.ID01220.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01221.3p miR	TJU_CMC.ID01221.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01222.3p miR	TJU_CMC.ID01222.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01223.5p miR	TJU_CMC.ID01223.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01224.3p miR	TJU_CMC.ID01224.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01225.3p miR	TJU_CMC.ID01225.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01226.5p miR	TJU_CMC.ID01226.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01227.3p miR	TJU_CMC.ID01227.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01228.3p miR	TJU_CMC.ID01228.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01229.5p miR	TJU_CMC.ID01229.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01230.5p miR	TJU_CMC.ID01230.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01231.5p miR	TJU_CMC.ID01231.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01232.3p miR	TJU_CMC.ID01232.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01233.3p miR	TJU_CMC.ID01233.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01234.5p miR	TJU_CMC.ID01234.hairpin	YES	YES YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01235.3p miR	TJU_CMC.ID01235.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01236.5p miR	TJU_CMC.ID01236.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01237.5p miR	TJU_CMC.ID01237.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01238.3p miR	TJU_CMC.ID01238.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01239.5p miR	TJU_CMC.ID01239.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01240.3p miR	TJU_CMC.ID01240.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01241.3p miR	TJU_CMC.ID01241.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01242.3p miR	TJU_CMC.ID01242.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01243.5p miR	TJU_CMC.ID01243.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01244.5p miR	TJU_CMC.ID01244.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01245.3p miR	TJU_CMC.ID01245.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01246.5p miR	TJU_CMC.ID01246.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01247.3p miR	TJU_CMC.ID01247.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01248.5p miR	TJU_CMC.ID01248.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01249.5p miR	TJU_CMC.ID01249.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01250.5p miR	TJU_CMC.ID01250.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01251.5p miR	TJU_CMC.ID01251.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01252.5p miR	TJU_CMC.ID01252.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01253.5p miR	TJU_CMC.ID01253.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01254.5p miR	TJU_CMC.ID01254.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01255.5p miR	TJU_CMC.ID01255.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01256.3p miR	TJU_CMC.ID01256.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01257.5p miR	TJU_CMC.ID01257.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01258.5p miR	TJU_CMC.ID01258.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01259.5p miR	TJU_CMC.ID01259.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01260.3p miR	TJU_CMC.ID01260.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01261.3p miR	TJU_CMC.ID01261.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01262.3p miR	TJU_CMC.ID01262.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01263.3p miR	TJU_CMC.ID01263.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01264.5p miR	TJU_CMC.ID01264.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01265.5p miR	TJU_CMC.ID01265.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01266.5p miR	TJU_CMC.ID01266.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01267.5p miR	TJU_CMC.ID01267.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01268.5p miR	TJU_CMC.ID01268.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01269.3p miR	TJU_CMC.ID01269.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01270.5p miR	TJU_CMC.ID01270.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01271.3p miR	TJU_CMC.ID01271.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01272.3p miR	TJU_CMC.ID01272.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01273.3p miR	TJU_CMC.ID01273.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01274.5p miR	TJU_CMC.ID01274.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01275.3p miR	TJU_CMC.ID01275.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01276.5p miR	TJU_CMC.ID01276.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01277.3p miR	TJU_CMC.ID01277.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01278.3p miR	TJU_CMC.ID01278.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01279.5p miR	TJU_CMC.ID01279.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01280.5p miR	TJU_CMC.ID01280.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01281.5p miR	TJU_CMC.ID01281.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01282.3p miR	TJU_CMC.ID01282.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01283.5p miR	TJU_CMC.ID01283.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01284.5p miR	TJU_CMC.ID01284.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01285.5p miR	TJU_CMC.ID01285.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01286.3p miR	TJU_CMC.ID01286.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01287.3p miR	TJU_CMC.ID01287.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01288.3p miR	TJU_CMC.ID01288.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01289.5p miR	TJU_CMC.ID01289.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01290.5p miR	TJU_CMC.ID01290.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01291.3p miR	TJU_CMC.ID01291.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01292.3p miR	TJU_CMC.ID01292.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01293.5p miR	TJU_CMC.ID01293.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID01294.5p miR	TJU_CMC.ID01294.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01295.3p miR	TJU_CMC.ID01295.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01296.3p miR	TJU_CMC.ID01296.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01297.3p miR	TJU_CMC.ID01297.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01298.5p miR	TJU_CMC.ID01298.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01299.5p miR	TJU_CMC.ID01299.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01300.5p miR	TJU_CMC.ID01300.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01301.3p miR	TJU_CMC.ID01301.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01302.3p miR	TJU_CMC.ID01302.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01303.3p miR	TJU_CMC.ID01303.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID01304.5p miR	TJU_CMC.ID01304.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01305.5p miR	TJU_CMC.ID01305.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01306.5p miR	TJU_CMC.ID01306.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01307.3p miR	TJU_CMC.ID01307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01308.3p miR	TJU_CMC.ID01308.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01309.3p miR	TJU_CMC.ID01309.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01310.3p miR	TJU_CMC.ID01310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01311.5p miR	TJU_CMC.ID01311.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01312.5p miR	TJU_CMC.ID01312.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01313.5p miR	TJU_CMC.ID01313.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01314.5p miR	TJU_CMC.ID01314.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01315.5p miR	TJU_CMC.ID01315.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01316.3p miR	TJU_CMC.ID01316.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01317.3p miR	TJU_CMC.ID01317.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01318.3p miR	TJU_CMC.ID01318.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01319.3p miR	TJU_CMC.ID01319.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01320.5p miR	TJU_CMC.ID01320.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01321.5p miR	TJU_CMC.ID01321.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01322.3p miR	TJU_CMC.ID01322.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01323.3p miR	TJU_CMC.ID01323.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01324.5p miR	TJU_CMC.ID01324.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01325.5p miR	TJU_CMC.ID01325.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01326.3p miR	TJU_CMC.ID01326.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01327.5p miR	TJU_CMC.ID01327.hairpin	YES	YES YES	YES	YES	YES	NO	NO	

TJU_CMC.ID01328.5p miR	TJU_CMC.ID01328.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01329.5p miR	TJU_CMC.ID01329.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01330.3p miR	TJU_CMC.ID01330.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01331.3p miR	TJU_CMC.ID01331.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01332.5p miR	TJU_CMC.ID01332.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01333.5p miR	TJU_CMC.ID01333.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01334.5p miR	TJU_CMC.ID01334.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01335.5p miR	TJU_CMC.ID01335.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01336.5p miR	TJU_CMC.ID01336.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01337.3p miR	TJU_CMC.ID01337.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01338.3p miR	TJU_CMC.ID01338.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01339.5p miR	TJU_CMC.ID01339.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01340.5p miR	TJU_CMC.ID01340.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01341.5p miR	TJU_CMC.ID01341.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01342.3p miR	TJU_CMC.ID01342.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01343.5p miR	TJU_CMC.ID01343.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01344.5p miR	TJU_CMC.ID01344.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01345.5p miR	TJU_CMC.ID01345.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01346.5p miR	TJU_CMC.ID01346.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01347.3p miR	TJU_CMC.ID01347.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01348.3p miR	TJU_CMC.ID01348.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01349.5p miR	TJU_CMC.ID01349.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01350.3p miR	TJU_CMC.ID01350.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01351.5p miR	TJU_CMC.ID01351.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01352.5p miR	TJU_CMC.ID01352.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01353.3p miR	TJU_CMC.ID01353.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01354.5p miR	TJU_CMC.ID01354.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01355.5p miR	TJU_CMC.ID01355.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01356.3p miR	TJU_CMC.ID01356.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01357.5p miR	TJU_CMC.ID01357.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01358.5p miR	TJU_CMC.ID01358.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01359.5p miR	TJU_CMC.ID01359.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01360.5p miR	TJU_CMC.ID01360.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01361.3p miR	TJU_CMC.ID01361.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01362.5p miR	TJU_CMC.ID01362.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01363.3p miR	TJU_CMC.ID01363.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID01364.5p miR	TJU_CMC.ID01364.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01365.5p miR	TJU_CMC.ID01365.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01366.5p miR	TJU_CMC.ID01366.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01367.3p miR	TJU_CMC.ID01367.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01368.3p miR	TJU_CMC.ID01368.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01369.3p miR	TJU_CMC.ID01369.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01370.3p miR	TJU_CMC.ID01370.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01371.3p miR	TJU_CMC.ID01371.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01372.5p miR	TJU_CMC.ID01372.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01373.3p miR	TJU_CMC.ID01373.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01374.3p miR	TJU_CMC.ID01374.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01375.3p miR	TJU_CMC.ID01375.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01376.3p miR	TJU_CMC.ID01376.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01377.5p miR	TJU_CMC.ID01377.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01378.5p miR	TJU_CMC.ID01378.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01379.3p miR	TJU_CMC.ID01379.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01380.3p miR	TJU_CMC.ID01380.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01381.3p miR	TJU_CMC.ID01381.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01382.5p miR	TJU_CMC.ID01382.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01383.5p miR	TJU_CMC.ID01383.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01384.3p miR	TJU_CMC.ID01384.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01385.3p miR	TJU_CMC.ID01385.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01386.5p miR	TJU_CMC.ID01386.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01387.3p miR	TJU_CMC.ID01387.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01388.5p miR	TJU_CMC.ID01388.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01389.5p miR	TJU_CMC.ID01389.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01390.3p miR	TJU_CMC.ID01390.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01391.5p miR	TJU_CMC.ID01391.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01392.3p miR	TJU_CMC.ID01392.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01393.3p miR	TJU_CMC.ID01393.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01394.3p miR	TJU_CMC.ID01394.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01395.3p miR	TJU_CMC.ID01395.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01396.3p miR	TJU_CMC.ID01396.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01397.3p miR	TJU_CMC.ID01397.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01398.3p miR	TJU_CMC.ID01398.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01399.5p miR	TJU_CMC.ID01399.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01400.5p miR	TJU_CMC.ID01400.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01401.3p miR	TJU_CMC.ID01401.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01402.3p miR	TJU_CMC.ID01402.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01403.3p miR	TJU_CMC.ID01403.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01404.5p miR	TJU_CMC.ID01404.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01405.5p miR	TJU_CMC.ID01405.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01406.5p miR	TJU_CMC.ID01406.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01407.3p miR	TJU_CMC.ID01407.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01408.5p miR	TJU_CMC.ID01408.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01409.5p miR	TJU_CMC.ID01409.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01410.3p miR	TJU_CMC.ID01410.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01411.3p miR	TJU_CMC.ID01411.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01412.3p miR	TJU_CMC.ID01412.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01413.3p miR	TJU_CMC.ID01413.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01414.3p miR	TJU_CMC.ID01414.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01415.5p miR	TJU_CMC.ID01415.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01416.3p miR	TJU_CMC.ID01416.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01417.3p miR	TJU_CMC.ID01417.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01418.3p miR	TJU_CMC.ID01418.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID01419.3p miR	TJU_CMC.ID01419.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01420.3p miR	TJU_CMC.ID01420.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01421.5p miR	TJU_CMC.ID01421.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01422.3p miR	TJU_CMC.ID01422.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01423.5p miR	TJU_CMC.ID01423.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01424.3p miR	TJU_CMC.ID01424.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01425.3p miR	TJU_CMC.ID01425.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01426.5p miR	TJU_CMC.ID01426.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01427.5p miR	TJU_CMC.ID01427.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01428.5p miR	TJU_CMC.ID01428.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID01429.5p miR	TJU_CMC.ID01429.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01430.5p miR	TJU_CMC.ID01430.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01431.3p miR	TJU_CMC.ID01431.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01432.5p miR	TJU_CMC.ID01432.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01433.3p miR	TJU_CMC.ID01433.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01434.5p miR	TJU_CMC.ID01434.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01435.5p miR	TJU_CMC.ID01435.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID01436.3p miR	TJU_CMC.ID01436.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01437.3p miR	TJU_CMC.ID01437.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01438.5p miR	TJU_CMC.ID01438.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01439.3p miR	TJU_CMC.ID01439.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01440.3p miR	TJU_CMC.ID01440.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01441.5p miR	TJU_CMC.ID01441.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01442.3p miR	TJU_CMC.ID01442.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01443.3p miR	TJU_CMC.ID01443.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01444.3p miR	TJU_CMC.ID01444.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01445.5p miR	TJU_CMC.ID01445.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01446.5p miR	TJU_CMC.ID01446.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01447.3p miR	TJU_CMC.ID01447.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01448.5p miR	TJU_CMC.ID01448.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01449.3p miR	TJU_CMC.ID01449.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01450.5p miR	TJU_CMC.ID01450.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01451.3p miR	TJU_CMC.ID01451.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01452.5p miR	TJU_CMC.ID01452.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01453.5p miR	TJU_CMC.ID01453.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01454.5p miR	TJU_CMC.ID01454.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01455.5p miR	TJU_CMC.ID01455.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01456.5p miR	TJU_CMC.ID01456.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01457.5p miR	TJU_CMC.ID01457.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01458.3p miR	TJU_CMC.ID01458.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01459.5p miR	TJU_CMC.ID01459.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01460.3p miR	TJU_CMC.ID01460.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01461.3p miR	TJU_CMC.ID01461.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01462.5p miR	TJU_CMC.ID01462.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01463.5p miR	TJU_CMC.ID01463.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01464.5p miR	TJU_CMC.ID01464.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01465.3p miR	TJU_CMC.ID01465.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01466.3p miR	TJU_CMC.ID01466.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01467.5p miR	TJU_CMC.ID01467.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01468.3p miR	TJU_CMC.ID01468.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01469.5p miR	TJU_CMC.ID01469.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01470.5p miR	TJU_CMC.ID01470.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01471.3p miR	TJU_CMC.ID01471.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01472.5p miR	TJU_CMC.ID01472.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01473.3p miR	TJU_CMC.ID01473.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01474.3p miR	TJU_CMC.ID01474.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01475.5p miR	TJU_CMC.ID01475.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01476.5p miR	TJU_CMC.ID01476.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01477.3p miR	TJU_CMC.ID01477.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01478.3p miR	TJU_CMC.ID01478.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01479.3p miR	TJU_CMC.ID01479.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01480.3p miR	TJU_CMC.ID01480.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01481.3p miR	TJU_CMC.ID01481.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01482.3p miR	TJU_CMC.ID01482.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01483.3p miR	TJU_CMC.ID01483.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01484.3p miR	TJU_CMC.ID01484.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01485.3p miR	TJU_CMC.ID01485.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01486.3p miR	TJU_CMC.ID01486.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01487.5p miR	TJU_CMC.ID01487.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01488.5p miR	TJU_CMC.ID01488.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID01489.3p miR	TJU_CMC.ID01489.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01490.3p miR	TJU_CMC.ID01490.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01491.5p miR	TJU_CMC.ID01491.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	
TJU_CMC.ID01492.3p miR	TJU_CMC.ID01492.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01493.5p miR	TJU_CMC.ID01493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01494.3p miR	TJU_CMC.ID01494.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01495.5p miR	TJU_CMC.ID01495.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01496.5p miR	TJU_CMC.ID01496.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID01497.3p miR	TJU_CMC.ID01497.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01498.5p miR	TJU_CMC.ID01498.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01499.5p miR	TJU_CMC.ID01499.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01500.3p miR	TJU_CMC.ID01500.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01501.5p miR	TJU_CMC.ID01501.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01502.5p miR	TJU_CMC.ID01502.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01503.3p miR	TJU_CMC.ID01503.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01504.3p miR	TJU_CMC.ID01504.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01505.5p miR	TJU_CMC.ID01505.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01506.3p miR	TJU_CMC.ID01506.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01507.5p miR	TJU_CMC.ID01507.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID01508.5p miR	TJU_CMC.ID01508.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01509.5p miR	TJU_CMC.ID01509.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01510.5p miR	TJU_CMC.ID01510.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01511.3p miR	TJU_CMC.ID01511.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01512.3p miR	TJU_CMC.ID01512.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01513.3p miR	TJU_CMC.ID01513.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01514.3p miR	TJU_CMC.ID01514.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01515.3p miR	TJU_CMC.ID01515.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01516.3p miR	TJU_CMC.ID01516.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01517.5p miR	TJU_CMC.ID01517.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01518.3p miR	TJU_CMC.ID01518.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01519.5p miR	TJU_CMC.ID01519.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01520.3p miR	TJU_CMC.ID01520.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01521.3p miR	TJU_CMC.ID01521.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01522.5p miR	TJU_CMC.ID01522.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01523.5p miR	TJU_CMC.ID01523.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01524.3p miR	TJU_CMC.ID01524.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01525.3p miR	TJU_CMC.ID01525.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01526.3p miR	TJU_CMC.ID01526.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01527.5p miR	TJU_CMC.ID01527.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01528.3p miR	TJU_CMC.ID01528.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01529.3p miR	TJU_CMC.ID01529.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01530.3p miR	TJU_CMC.ID01530.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01531.5p miR	TJU_CMC.ID01531.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01532.5p miR	TJU_CMC.ID01532.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01533.3p miR	TJU_CMC.ID01533.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01534.5p miR	TJU_CMC.ID01534.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01535.3p miR	TJU_CMC.ID01535.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01536.3p miR	TJU_CMC.ID01536.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01537.5p miR	TJU_CMC.ID01537.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01538.3p miR	TJU_CMC.ID01538.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01539.5p miR	TJU_CMC.ID01539.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01540.3p miR	TJU_CMC.ID01540.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01541.5p miR	TJU_CMC.ID01541.hairpin	YES	YES YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01542.5p miR	TJU_CMC.ID01542.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01543.3p miR	TJU_CMC.ID01543.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID01544.3p miR	TJU_CMC.ID01544.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01545.5p miR	TJU_CMC.ID01545.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01546.3p miR	TJU_CMC.ID01546.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01547.3p miR	TJU_CMC.ID01547.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01548.3p miR	TJU_CMC.ID01548.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01549.5p miR	TJU_CMC.ID01549.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01550.5p miR	TJU_CMC.ID01550.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01551.5p miR	TJU_CMC.ID01551.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01552.3p miR	TJU_CMC.ID01552.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01553.5p miR	TJU_CMC.ID01553.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01554.5p miR	TJU_CMC.ID01554.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01555.3p miR	TJU_CMC.ID01555.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01556.3p miR	TJU_CMC.ID01556.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01557.3p miR	TJU_CMC.ID01557.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01558.5p miR	TJU_CMC.ID01558.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01559.5p miR	TJU_CMC.ID01559.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01560.3p miR	TJU_CMC.ID01560.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01561.3p miR	TJU_CMC.ID01561.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01562.3p miR	TJU_CMC.ID01562.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01563.5p miR	TJU_CMC.ID01563.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01564.3p miR	TJU_CMC.ID01564.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01565.5p miR	TJU_CMC.ID01565.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01566.3p miR	TJU_CMC.ID01566.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01567.5p miR	TJU_CMC.ID01567.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01568.3p miR	TJU_CMC.ID01568.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01569.3p miR	TJU_CMC.ID01569.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01570.5p miR	TJU_CMC.ID01570.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01571.3p miR	TJU_CMC.ID01571.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01572.3p miR	TJU_CMC.ID01572.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01573.3p miR	TJU_CMC.ID01573.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01574.3p miR	TJU_CMC.ID01574.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01575.3p miR	TJU_CMC.ID01575.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01576.3p miR	TJU_CMC.ID01576.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01577.3p miR	TJU_CMC.ID01577.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01578.3p miR	TJU_CMC.ID01578.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01579.3p miR	TJU_CMC.ID01579.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01580.3p miR	TJU_CMC.ID01580.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01581.5p miR	TJU_CMC.ID01581.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01582.5p miR	TJU_CMC.ID01582.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01583.5p miR	TJU_CMC.ID01583.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01584.3p miR	TJU_CMC.ID01584.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01585.5p miR	TJU_CMC.ID01585.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01586.3p miR	TJU_CMC.ID01586.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01587.3p miR	TJU_CMC.ID01587.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01588.3p miR	TJU_CMC.ID01588.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01589.5p miR	TJU_CMC.ID01589.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01590.5p miR	TJU_CMC.ID01590.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01591.3p miR	TJU_CMC.ID01591.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01592.3p miR	TJU_CMC.ID01592.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01593.3p miR	TJU_CMC.ID01593.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01594.5p miR	TJU_CMC.ID01594.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01595.5p miR	TJU_CMC.ID01595.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01596.5p miR	TJU_CMC.ID01596.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01597.5p miR	TJU_CMC.ID01597.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01598.3p miR	TJU_CMC.ID01598.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01599.5p miR	TJU_CMC.ID01599.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01600.5p miR	TJU_CMC.ID01600.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01601.5p miR	TJU_CMC.ID01601.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01602.5p miR	TJU_CMC.ID01602.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01603.3p miR	TJU_CMC.ID01603.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01604.5p miR	TJU_CMC.ID01604.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01605.5p miR	TJU_CMC.ID01605.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01606.3p miR	TJU_CMC.ID01606.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01607.5p miR	TJU_CMC.ID01607.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01608.5p miR	TJU_CMC.ID01608.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01609.3p miR	TJU_CMC.ID01609.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01610.3p miR	TJU_CMC.ID01610.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01611.5p miR	TJU_CMC.ID01611.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01612.5p miR	TJU_CMC.ID01612.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01613.5p miR	TJU_CMC.ID01613.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01614.3p miR	TJU_CMC.ID01614.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01615.5p miR	TJU_CMC.ID01615.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01616.5p miR	TJU_CMC.ID01616.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01617.5p miR	TJU_CMC.ID01617.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01618.3p miR	TJU_CMC.ID01618.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01619.5p miR	TJU_CMC.ID01619.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01620.3p miR	TJU_CMC.ID01620.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01621.3p miR	TJU_CMC.ID01621.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01622.3p miR	TJU_CMC.ID01622.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01623.5p miR	TJU_CMC.ID01623.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01624.5p miR	TJU_CMC.ID01624.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01625.3p miR	TJU_CMC.ID01625.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01626.5p miR	TJU_CMC.ID01626.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01627.5p miR	TJU_CMC.ID01627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01628.3p miR	TJU_CMC.ID01628.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01629.3p miR	TJU_CMC.ID01629.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01630.5p miR	TJU_CMC.ID01630.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01631.5p miR	TJU_CMC.ID01631.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01632.5p miR	TJU_CMC.ID01632.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01633.3p miR	TJU_CMC.ID01633.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01634.5p miR	TJU_CMC.ID01634.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01635.5p miR	TJU_CMC.ID01635.hairpin	YES	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01636.5p miR	TJU_CMC.ID01636.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01637.5p miR	TJU_CMC.ID01637.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01638.5p miR	TJU_CMC.ID01638.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01639.3p miR	TJU_CMC.ID01639.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01640.3p miR	TJU_CMC.ID01640.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01641.3p miR	TJU_CMC.ID01641.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01642.5p miR	TJU_CMC.ID01642.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01643.3p miR	TJU_CMC.ID01643.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01644.5p miR	TJU_CMC.ID01644.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01645.3p miR	TJU_CMC.ID01645.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01646.5p miR	TJU_CMC.ID01646.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01647.5p miR	TJU_CMC.ID01647.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01648.3p miR	TJU_CMC.ID01648.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01649.3p miR	TJU_CMC.ID01649.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01650.5p miR	TJU_CMC.ID01650.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01651.3p miR	TJU_CMC.ID01651.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01652.3p miR	TJU_CMC.ID01652.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01653.5p miR	TJU_CMC.ID01653.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01654.5p miR	TJU_CMC.ID01654.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01655.5p miR	TJU_CMC.ID01655.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01656.5p miR	TJU_CMC.ID01656.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01657.5p miR	TJU_CMC.ID01657.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01658.5p miR	TJU_CMC.ID01658.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01659.5p miR	TJU_CMC.ID01659.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01660.3p miR	TJU_CMC.ID01660.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01661.5p miR	TJU_CMC.ID01661.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01662.3p miR	TJU_CMC.ID01662.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01663.5p miR	TJU_CMC.ID01663.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01664.5p miR	TJU_CMC.ID01664.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01665.5p miR	TJU_CMC.ID01665.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01666.3p miR	TJU_CMC.ID01666.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01667.5p miR	TJU_CMC.ID01667.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01668.5p miR	TJU_CMC.ID01668.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01669.5p miR	TJU_CMC.ID01669.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01670.3p miR	TJU_CMC.ID01670.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01671.3p miR	TJU_CMC.ID01671.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01672.3p miR	TJU_CMC.ID01672.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01673.5p miR	TJU_CMC.ID01673.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01674.3p miR	TJU_CMC.ID01674.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01675.3p miR	TJU_CMC.ID01675.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01676.3p miR	TJU_CMC.ID01676.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01677.5p miR	TJU_CMC.ID01677.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01678.5p miR	TJU_CMC.ID01678.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01679.3p miR	TJU_CMC.ID01679.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01680.3p miR	TJU_CMC.ID01680.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01681.5p miR	TJU_CMC.ID01681.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01682.3p miR	TJU_CMC.ID01682.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01683.5p miR	TJU_CMC.ID01683.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01684.3p miR	TJU_CMC.ID01684.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01685.5p miR	TJU_CMC.ID01685.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01686.3p miR	TJU_CMC.ID01686.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01687.3p miR	TJU_CMC.ID01687.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01688.3p miR	TJU_CMC.ID01688.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01689.5p miR	TJU_CMC.ID01689.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01690.5p miR	TJU_CMC.ID01690.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01691.3p miR	TJU_CMC.ID01691.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01692.3p miR	TJU_CMC.ID01692.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01693.3p miR	TJU_CMC.ID01693.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01694.3p miR	TJU_CMC.ID01694.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01695.3p miR	TJU_CMC.ID01695.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01696.3p miR	TJU_CMC.ID01696.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01697.3p miR	TJU_CMC.ID01697.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01698.5p miR	TJU_CMC.ID01698.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01699.3p miR	TJU_CMC.ID01699.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01700.3p miR	TJU_CMC.ID01700.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01701.5p miR	TJU_CMC.ID01701.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01702.5p miR	TJU_CMC.ID01702.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01703.3p miR	TJU_CMC.ID01703.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01704.3p miR	TJU_CMC.ID01704.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01705.5p miR	TJU_CMC.ID01705.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01706.5p miR	TJU_CMC.ID01706.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01707.5p miR	TJU_CMC.ID01707.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01708.3p miR	TJU_CMC.ID01708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01709.3p miR	TJU_CMC.ID01709.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01710.3p miR	TJU_CMC.ID01710.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01711.5p miR	TJU_CMC.ID01711.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01712.3p miR	TJU_CMC.ID01712.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01713.5p miR	TJU_CMC.ID01713.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01714.5p miR	TJU_CMC.ID01714.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01715.3p miR	TJU_CMC.ID01715.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01716.3p miR	TJU_CMC.ID01716.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01717.3p miR	TJU_CMC.ID01717.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01718.5p miR	TJU_CMC.ID01718.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01719.5p miR	TJU_CMC.ID01719.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01720.5p miR	TJU_CMC.ID01720.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01721.5p miR	TJU_CMC.ID01721.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01722.5p miR	TJU_CMC.ID01722.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01723.5p miR	TJU_CMC.ID01723.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID01724.5p miR	TJU_CMC.ID01724.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01725.3p miR	TJU_CMC.ID01725.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01726.3p miR	TJU_CMC.ID01726.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01727.5p miR	TJU_CMC.ID01727.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01728.5p miR	TJU_CMC.ID01728.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01729.5p miR	TJU_CMC.ID01729.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID01730.3p miR	TJU_CMC.ID01730.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01731.3p miR	TJU_CMC.ID01731.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01732.5p miR	TJU_CMC.ID01732.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01733.3p miR	TJU_CMC.ID01733.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01734.3p miR	TJU_CMC.ID01734.hairpin	YES	NO	YES	NO	NO	YES	NO	NO
TJU_CMC.ID01735.5p miR	TJU_CMC.ID01735.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01736.5p miR	TJU_CMC.ID01736.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01737.3p miR	TJU_CMC.ID01737.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01738.3p miR	TJU_CMC.ID01738.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01739.3p miR	TJU_CMC.ID01739.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01740.3p miR	TJU_CMC.ID01740.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01741.3p miR	TJU_CMC.ID01741.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01742.3p miR	TJU_CMC.ID01742.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01743.5p miR	TJU_CMC.ID01743.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01744.5p miR	TJU_CMC.ID01744.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01745.3p miR	TJU_CMC.ID01745.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01746.5p miR	TJU_CMC.ID01746.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01747.5p miR	TJU_CMC.ID01747.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01748.5p miR	TJU_CMC.ID01748.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01749.5p miR	TJU_CMC.ID01749.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01750.5p miR	TJU_CMC.ID01750.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01751.5p miR	TJU_CMC.ID01751.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01752.5p miR	TJU_CMC.ID01752.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01753.5p miR	TJU_CMC.ID01753.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01754.3p miR	TJU_CMC.ID01754.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01755.5p miR	TJU_CMC.ID01755.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID01756.3p miR	TJU_CMC.ID01756.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01757.3p miR	TJU_CMC.ID01757.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01758.5p miR	TJU_CMC.ID01758.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01759.3p miR	TJU_CMC.ID01759.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01760.3p miR	TJU_CMC.ID01760.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01761.5p miR	TJU_CMC.ID01761.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01762.5p miR	TJU_CMC.ID01762.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01763.5p miR	TJU_CMC.ID01763.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01764.3p miR	TJU_CMC.ID01764.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01765.3p miR	TJU_CMC.ID01765.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01766.3p miR	TJU_CMC.ID01766.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01766.5p miR	TJU_CMC.ID01766.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01767.3p miR	TJU_CMC.ID01767.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01768.3p miR	TJU_CMC.ID01768.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01769.5p miR	TJU_CMC.ID01769.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01770.3p miR	TJU_CMC.ID01770.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01771.3p miR	TJU_CMC.ID01771.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01772.5p miR	TJU_CMC.ID01772.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01773.3p miR	TJU_CMC.ID01773.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01774.3p miR	TJU_CMC.ID01774.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01775.3p miR	TJU_CMC.ID01775.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01776.5p miR	TJU_CMC.ID01776.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01777.3p miR	TJU_CMC.ID01777.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01778.3p miR	TJU_CMC.ID01778.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01779.5p miR	TJU_CMC.ID01779.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01780.5p miR	TJU_CMC.ID01780.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01781.5p miR	TJU_CMC.ID01781.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01782.3p miR	TJU_CMC.ID01782.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01783.5p miR	TJU_CMC.ID01783.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01784.5p miR	TJU_CMC.ID01784.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01785.5p miR	TJU_CMC.ID01785.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01786.3p miR	TJU_CMC.ID01786.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01787.5p miR	TJU_CMC.ID01787.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01788.5p miR	TJU_CMC.ID01788.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01789.5p miR	TJU_CMC.ID01789.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01790.3p miR	TJU_CMC.ID01790.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01791.3p miR	TJU_CMC.ID01791.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01792.5p miR	TJU_CMC.ID01792.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01793.5p miR	TJU_CMC.ID01793.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01794.3p miR	TJU_CMC.ID01794.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID01795.3p miR	TJU_CMC.ID01795.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01796.3p miR	TJU_CMC.ID01796.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01797.5p miR	TJU_CMC.ID01797.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01798.5p miR	TJU_CMC.ID01798.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01799.3p miR	TJU_CMC.ID01799.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01800.3p miR	TJU_CMC.ID01800.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01801.5p miR	TJU_CMC.ID01801.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01802.5p miR	TJU_CMC.ID01802.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01803.3p miR	TJU_CMC.ID01803.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01804.3p miR	TJU_CMC.ID01804.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01805.5p miR	TJU_CMC.ID01805.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01806.3p miR	TJU_CMC.ID01806.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01807.3p miR	TJU_CMC.ID01807.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01808.3p miR	TJU_CMC.ID01808.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01809.5p miR	TJU_CMC.ID01809.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01810.5p miR	TJU_CMC.ID01810.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01811.3p miR	TJU_CMC.ID01811.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01812.3p miR	TJU_CMC.ID01812.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01813.5p miR	TJU_CMC.ID01813.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01814.5p miR	TJU_CMC.ID01814.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01815.3p miR	TJU_CMC.ID01815.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01816.5p miR	TJU_CMC.ID01816.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01817.3p miR	TJU_CMC.ID01817.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01818.3p miR	TJU_CMC.ID01818.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01819.5p miR	TJU_CMC.ID01819.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01820.3p miR	TJU_CMC.ID01820.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01821.3p miR	TJU_CMC.ID01821.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01822.3p miR	TJU_CMC.ID01822.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01823.5p miR	TJU_CMC.ID01823.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01824.3p miR	TJU_CMC.ID01824.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01825.3p miR	TJU_CMC.ID01825.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01826.5p miR	TJU_CMC.ID01826.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01827.5p miR	TJU_CMC.ID01827.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01828.5p miR	TJU_CMC.ID01828.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01829.3p miR	TJU_CMC.ID01829.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01830.3p miR	TJU_CMC.ID01830.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID01831.5p miR	TJU_CMC.ID01831.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01832.5p miR	TJU_CMC.ID01832.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01833.3p miR	TJU_CMC.ID01833.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01834.5p miR	TJU_CMC.ID01834.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01835.5p miR	TJU_CMC.ID01835.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01836.5p miR	TJU_CMC.ID01836.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01837.5p miR	TJU_CMC.ID01837.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01838.5p miR	TJU_CMC.ID01838.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01839.5p miR	TJU_CMC.ID01839.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01840.5p miR	TJU_CMC.ID01840.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01841.3p miR	TJU_CMC.ID01841.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01842.3p miR	TJU_CMC.ID01842.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01843.5p miR	TJU_CMC.ID01843.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01844.5p miR	TJU_CMC.ID01844.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01845.5p miR	TJU_CMC.ID01845.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01846.5p miR	TJU_CMC.ID01846.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01847.3p miR	TJU_CMC.ID01847.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01848.5p miR	TJU_CMC.ID01848.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01849.3p miR	TJU_CMC.ID01849.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01850.3p miR	TJU_CMC.ID01850.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01851.5p miR	TJU_CMC.ID01851.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01852.5p miR	TJU_CMC.ID01852.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01853.3p miR	TJU_CMC.ID01853.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01854.5p miR	TJU_CMC.ID01854.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01855.3p miR	TJU_CMC.ID01855.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01856.3p miR	TJU_CMC.ID01856.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01857.5p miR	TJU_CMC.ID01857.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01858.3p miR	TJU_CMC.ID01858.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01859.3p miR	TJU_CMC.ID01859.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01860.5p miR	TJU_CMC.ID01860.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID01861.5p miR	TJU_CMC.ID01861.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01862.3p miR	TJU_CMC.ID01862.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01863.3p miR	TJU_CMC.ID01863.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01864.5p miR	TJU_CMC.ID01864.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01865.3p miR	TJU_CMC.ID01865.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01866.5p miR	TJU_CMC.ID01866.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID01867.5p miR	TJU_CMC.ID01867.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01868.3p miR	TJU_CMC.ID01868.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01869.5p miR	TJU_CMC.ID01869.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01870.5p miR	TJU_CMC.ID01870.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01871.5p miR	TJU_CMC.ID01871.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01872.5p miR	TJU_CMC.ID01872.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01873.5p miR	TJU_CMC.ID01873.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01874.3p miR	TJU_CMC.ID01874.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01875.5p miR	TJU_CMC.ID01875.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01876.3p miR	TJU_CMC.ID01876.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01877.3p miR	TJU_CMC.ID01877.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01878.3p miR	TJU_CMC.ID01878.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01879.3p miR	TJU_CMC.ID01879.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01880.3p miR	TJU_CMC.ID01880.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01881.5p miR	TJU_CMC.ID01881.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01882.3p miR	TJU_CMC.ID01882.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01883.5p miR	TJU_CMC.ID01883.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01884.3p miR	TJU_CMC.ID01884.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01885.5p miR	TJU_CMC.ID01885.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01886.5p miR	TJU_CMC.ID01886.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01887.5p miR	TJU_CMC.ID01887.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01888.5p miR	TJU_CMC.ID01888.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01889.3p miR	TJU_CMC.ID01889.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01890.3p miR	TJU_CMC.ID01890.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01891.5p miR	TJU_CMC.ID01891.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01892.5p miR	TJU_CMC.ID01892.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01893.3p miR	TJU_CMC.ID01893.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01894.3p miR	TJU_CMC.ID01894.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01895.3p miR	TJU_CMC.ID01895.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01896.3p miR	TJU_CMC.ID01896.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01897.5p miR	TJU_CMC.ID01897.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01898.5p miR	TJU_CMC.ID01898.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01899.5p miR	TJU_CMC.ID01899.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01900.5p miR	TJU_CMC.ID01900.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01901.3p miR	TJU_CMC.ID01901.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01902.3p miR	TJU_CMC.ID01902.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID01903.3p miR	TJU_CMC.ID01903.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01904.3p miR	TJU_CMC.ID01904.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01905.3p miR	TJU_CMC.ID01905.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01906.5p miR	TJU_CMC.ID01906.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01907.5p miR	TJU_CMC.ID01907.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01908.5p miR	TJU_CMC.ID01908.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01909.3p miR	TJU_CMC.ID01909.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01910.3p miR	TJU_CMC.ID01910.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01911.3p miR	TJU_CMC.ID01911.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01912.5p miR	TJU_CMC.ID01912.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01913.5p miR	TJU_CMC.ID01913.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01914.5p miR	TJU_CMC.ID01914.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID01915.3p miR	TJU_CMC.ID01915.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01916.3p miR	TJU_CMC.ID01916.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01917.3p miR	TJU_CMC.ID01917.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01918.5p miR	TJU_CMC.ID01918.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01919.5p miR	TJU_CMC.ID01919.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01920.3p miR	TJU_CMC.ID01920.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01921.3p miR	TJU_CMC.ID01921.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01922.5p miR	TJU_CMC.ID01922.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01923.3p miR	TJU_CMC.ID01923.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01924.5p miR	TJU_CMC.ID01924.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01925.3p miR	TJU_CMC.ID01925.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01926.3p miR	TJU_CMC.ID01926.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID01927.5p miR	TJU_CMC.ID01927.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01928.3p miR	TJU_CMC.ID01928.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01929.3p miR	TJU_CMC.ID01929.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01930.5p miR	TJU_CMC.ID01930.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01931.3p miR	TJU_CMC.ID01931.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01932.5p miR	TJU_CMC.ID01932.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID01933.5p miR	TJU_CMC.ID01933.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID01934.3p miR	TJU_CMC.ID01934.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01935.5p miR	TJU_CMC.ID01935.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID01936.3p miR	TJU_CMC.ID01936.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01937.3p miR	TJU_CMC.ID01937.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID01938.3p miR	TJU_CMC.ID01938.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	

TJU_CMC.ID01939.3p miR	TJU_CMC.ID01939.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01940.3p miR	TJU_CMC.ID01940.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01941.5p miR	TJU_CMC.ID01941.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01942.3p miR	TJU_CMC.ID01942.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01943.5p miR	TJU_CMC.ID01943.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01944.5p miR	TJU_CMC.ID01944.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01945.3p miR	TJU_CMC.ID01945.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01946.5p miR	TJU_CMC.ID01946.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01947.5p miR	TJU_CMC.ID01947.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01948.3p miR	TJU_CMC.ID01948.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01949.3p miR	TJU_CMC.ID01949.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01950.5p miR	TJU_CMC.ID01950.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01951.3p miR	TJU_CMC.ID01951.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01952.5p miR	TJU_CMC.ID01952.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01953.5p miR	TJU_CMC.ID01953.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01954.5p miR	TJU_CMC.ID01954.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01955.5p miR	TJU_CMC.ID01955.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01956.3p miR	TJU_CMC.ID01956.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01957.3p miR	TJU_CMC.ID01957.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01958.3p miR	TJU_CMC.ID01958.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01959.3p miR	TJU_CMC.ID01959.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01960.5p miR	TJU_CMC.ID01960.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01961.3p miR	TJU_CMC.ID01961.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01962.5p miR	TJU_CMC.ID01962.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01963.3p miR	TJU_CMC.ID01963.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01964.3p miR	TJU_CMC.ID01964.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01965.3p miR	TJU_CMC.ID01965.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01966.5p miR	TJU_CMC.ID01966.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01967.5p miR	TJU_CMC.ID01967.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01968.5p miR	TJU_CMC.ID01968.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01969.3p miR	TJU_CMC.ID01969.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01970.5p miR	TJU_CMC.ID01970.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01971.5p miR	TJU_CMC.ID01971.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01972.3p miR	TJU_CMC.ID01972.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01973.3p miR	TJU_CMC.ID01973.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01974.3p miR	TJU_CMC.ID01974.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID01975.3p miR	TJU_CMC.ID01975.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01976.3p miR	TJU_CMC.ID01976.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01977.5p miR	TJU_CMC.ID01977.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01978.5p miR	TJU_CMC.ID01978.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID01979.3p miR	TJU_CMC.ID01979.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID01980.3p miR	TJU_CMC.ID01980.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01981.5p miR	TJU_CMC.ID01981.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01982.5p miR	TJU_CMC.ID01982.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01983.3p miR	TJU_CMC.ID01983.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID01984.3p miR	TJU_CMC.ID01984.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01985.5p miR	TJU_CMC.ID01985.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01986.5p miR	TJU_CMC.ID01986.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID01987.5p miR	TJU_CMC.ID01987.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01988.3p miR	TJU_CMC.ID01988.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01989.3p miR	TJU_CMC.ID01989.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01990.5p miR	TJU_CMC.ID01990.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01991.5p miR	TJU_CMC.ID01991.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01992.5p miR	TJU_CMC.ID01992.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01993.3p miR	TJU_CMC.ID01993.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID01994.5p miR	TJU_CMC.ID01994.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01995.5p miR	TJU_CMC.ID01995.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID01996.3p miR	TJU_CMC.ID01996.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01997.5p miR	TJU_CMC.ID01997.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01998.5p miR	TJU_CMC.ID01998.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID01999.3p miR	TJU_CMC.ID01999.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02000.5p miR	TJU_CMC.ID02000.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID02001.3p miR	TJU_CMC.ID02001.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02002.5p miR	TJU_CMC.ID02002.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02003.3p miR	TJU_CMC.ID02003.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02004.3p miR	TJU_CMC.ID02004.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02005.5p miR	TJU_CMC.ID02005.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02006.5p miR	TJU_CMC.ID02006.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02007.5p miR	TJU_CMC.ID02007.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02008.5p miR	TJU_CMC.ID02008.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02009.5p miR	TJU_CMC.ID02009.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02010.3p miR	TJU_CMC.ID02010.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID02011.5p miR	TJU_CMC.ID02011.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02012.5p miR	TJU_CMC.ID02012.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02013.3p miR	TJU_CMC.ID02013.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02014.5p miR	TJU_CMC.ID02014.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02015.5p miR	TJU_CMC.ID02015.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02016.5p miR	TJU_CMC.ID02016.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02017.3p miR	TJU_CMC.ID02017.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02018.5p miR	TJU_CMC.ID02018.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02019.5p miR	TJU_CMC.ID02019.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02020.5p miR	TJU_CMC.ID02020.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02021.5p miR	TJU_CMC.ID02021.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02022.3p miR	TJU_CMC.ID02022.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02023.5p miR	TJU_CMC.ID02023.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02024.5p miR	TJU_CMC.ID02024.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02025.5p miR	TJU_CMC.ID02025.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02026.5p miR	TJU_CMC.ID02026.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02027.3p miR	TJU_CMC.ID02027.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02028.5p miR	TJU_CMC.ID02028.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02029.5p miR	TJU_CMC.ID02029.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02030.3p miR	TJU_CMC.ID02030.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02031.3p miR	TJU_CMC.ID02031.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02032.5p miR	TJU_CMC.ID02032.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02033.5p miR	TJU_CMC.ID02033.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02034.5p miR	TJU_CMC.ID02034.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02035.5p miR	TJU_CMC.ID02035.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02036.5p miR	TJU_CMC.ID02036.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02037.3p miR	TJU_CMC.ID02037.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02038.3p miR	TJU_CMC.ID02038.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02039.5p miR	TJU_CMC.ID02039.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02040.5p miR	TJU_CMC.ID02040.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02041.5p miR	TJU_CMC.ID02041.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02042.3p miR	TJU_CMC.ID02042.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02043.3p miR	TJU_CMC.ID02043.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02044.3p miR	TJU_CMC.ID02044.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02045.3p miR	TJU_CMC.ID02045.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02046.3p miR	TJU_CMC.ID02046.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO

TJU_CMC.ID02047.5p miR	TJU_CMC.ID02047.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02048.3p miR	TJU_CMC.ID02048.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02049.3p miR	TJU_CMC.ID02049.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02050.3p miR	TJU_CMC.ID02050.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02051.5p miR	TJU_CMC.ID02051.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02052.5p miR	TJU_CMC.ID02052.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02053.5p miR	TJU_CMC.ID02053.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02054.5p miR	TJU_CMC.ID02054.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02055.5p miR	TJU_CMC.ID02055.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02056.3p miR	TJU_CMC.ID02056.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02057.5p miR	TJU_CMC.ID02057.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02058.5p miR	TJU_CMC.ID02058.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02059.5p miR	TJU_CMC.ID02059.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02060.3p miR	TJU_CMC.ID02060.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02061.3p miR	TJU_CMC.ID02061.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02062.3p miR	TJU_CMC.ID02062.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02063.5p miR	TJU_CMC.ID02063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02064.3p miR	TJU_CMC.ID02064.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02065.5p miR	TJU_CMC.ID02065.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02066.3p miR	TJU_CMC.ID02066.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02067.3p miR	TJU_CMC.ID02067.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02068.5p miR	TJU_CMC.ID02068.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02069.3p miR	TJU_CMC.ID02069.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02070.3p miR	TJU_CMC.ID02070.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02071.3p miR	TJU_CMC.ID02071.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02072.5p miR	TJU_CMC.ID02072.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02073.5p miR	TJU_CMC.ID02073.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02074.3p miR	TJU_CMC.ID02074.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02075.5p miR	TJU_CMC.ID02075.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02076.3p miR	TJU_CMC.ID02076.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02077.3p miR	TJU_CMC.ID02077.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02078.3p miR	TJU_CMC.ID02078.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02079.3p miR	TJU_CMC.ID02079.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02080.3p miR	TJU_CMC.ID02080.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02081.3p miR	TJU_CMC.ID02081.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02082.5p miR	TJU_CMC.ID02082.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID02083.5p miR	TJU_CMC.ID02083.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02084.5p miR	TJU_CMC.ID02084.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02085.5p miR	TJU_CMC.ID02085.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02086.3p miR	TJU_CMC.ID02086.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02087.3p miR	TJU_CMC.ID02087.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02088.5p miR	TJU_CMC.ID02088.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02089.3p miR	TJU_CMC.ID02089.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02090.3p miR	TJU_CMC.ID02090.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02091.5p miR	TJU_CMC.ID02091.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02092.3p miR	TJU_CMC.ID02092.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02093.3p miR	TJU_CMC.ID02093.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02094.3p miR	TJU_CMC.ID02094.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02095.3p miR	TJU_CMC.ID02095.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02096.5p miR	TJU_CMC.ID02096.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02097.3p miR	TJU_CMC.ID02097.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02098.5p miR	TJU_CMC.ID02098.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02099.3p miR	TJU_CMC.ID02099.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02100.3p miR	TJU_CMC.ID02100.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02101.5p miR	TJU_CMC.ID02101.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02102.3p miR	TJU_CMC.ID02102.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02103.5p miR	TJU_CMC.ID02103.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02104.3p miR	TJU_CMC.ID02104.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02105.5p miR	TJU_CMC.ID02105.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02106.5p miR	TJU_CMC.ID02106.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02107.5p miR	TJU_CMC.ID02107.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02108.3p miR	TJU_CMC.ID02108.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02109.3p miR	TJU_CMC.ID02109.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02110.3p miR	TJU_CMC.ID02110.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02111.5p miR	TJU_CMC.ID02111.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02112.5p miR	TJU_CMC.ID02112.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02113.5p miR	TJU_CMC.ID02113.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02114.5p miR	TJU_CMC.ID02114.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02115.3p miR	TJU_CMC.ID02115.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02116.3p miR	TJU_CMC.ID02116.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02117.5p miR	TJU_CMC.ID02117.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02118.3p miR	TJU_CMC.ID02118.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02119.5p miR	TJU_CMC.ID02119.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02120.5p miR	TJU_CMC.ID02120.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02121.5p miR	TJU_CMC.ID02121.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02122.5p miR	TJU_CMC.ID02122.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02123.5p miR	TJU_CMC.ID02123.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02124.3p miR	TJU_CMC.ID02124.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02125.5p miR	TJU_CMC.ID02125.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02126.3p miR	TJU_CMC.ID02126.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02127.3p miR	TJU_CMC.ID02127.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02128.5p miR	TJU_CMC.ID02128.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02129.3p miR	TJU_CMC.ID02129.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02130.3p miR	TJU_CMC.ID02130.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02131.5p miR	TJU_CMC.ID02131.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02132.5p miR	TJU_CMC.ID02132.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02133.3p miR	TJU_CMC.ID02133.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02134.3p miR	TJU_CMC.ID02134.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02135.5p miR	TJU_CMC.ID02135.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02136.3p miR	TJU_CMC.ID02136.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02137.3p miR	TJU_CMC.ID02137.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02138.5p miR	TJU_CMC.ID02138.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02139.5p miR	TJU_CMC.ID02139.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02140.3p miR	TJU_CMC.ID02140.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02141.5p miR	TJU_CMC.ID02141.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02142.5p miR	TJU_CMC.ID02142.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02143.3p miR	TJU_CMC.ID02143.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02144.3p miR	TJU_CMC.ID02144.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02145.3p miR	TJU_CMC.ID02145.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02146.3p miR	TJU_CMC.ID02146.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02147.3p miR	TJU_CMC.ID02147.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02148.3p miR	TJU_CMC.ID02148.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02149.5p miR	TJU_CMC.ID02149.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02150.3p miR	TJU_CMC.ID02150.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02151.5p miR	TJU_CMC.ID02151.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02152.5p miR	TJU_CMC.ID02152.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02153.5p miR	TJU_CMC.ID02153.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02154.3p miR	TJU_CMC.ID02154.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02155.3p miR	TJU_CMC.ID02155.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02156.3p miR	TJU_CMC.ID02156.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02157.3p miR	TJU_CMC.ID02157.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02158.3p miR	TJU_CMC.ID02158.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02159.5p miR	TJU_CMC.ID02159.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02160.3p miR	TJU_CMC.ID02160.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02161.5p miR	TJU_CMC.ID02161.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02162.3p miR	TJU_CMC.ID02162.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02163.3p miR	TJU_CMC.ID02163.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02164.5p miR	TJU_CMC.ID02164.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02165.5p miR	TJU_CMC.ID02165.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02166.3p miR	TJU_CMC.ID02166.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02167.3p miR	TJU_CMC.ID02167.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02168.3p miR	TJU_CMC.ID02168.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02169.5p miR	TJU_CMC.ID02169.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02170.5p miR	TJU_CMC.ID02170.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02171.5p miR	TJU_CMC.ID02171.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02172.3p miR	TJU_CMC.ID02172.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02173.5p miR	TJU_CMC.ID02173.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02174.3p miR	TJU_CMC.ID02174.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02175.5p miR	TJU_CMC.ID02175.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02176.3p miR	TJU_CMC.ID02176.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02177.3p miR	TJU_CMC.ID02177.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02178.3p miR	TJU_CMC.ID02178.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02179.3p miR	TJU_CMC.ID02179.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02180.3p miR	TJU_CMC.ID02180.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02181.5p miR	TJU_CMC.ID02181.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02182.3p miR	TJU_CMC.ID02182.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02183.3p miR	TJU_CMC.ID02183.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02184.3p miR	TJU_CMC.ID02184.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02185.3p miR	TJU_CMC.ID02185.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02186.3p miR	TJU_CMC.ID02186.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02187.5p miR	TJU_CMC.ID02187.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02188.5p miR	TJU_CMC.ID02188.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02189.3p miR	TJU_CMC.ID02189.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02190.3p miR	TJU_CMC.ID02190.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02191.3p miR	TJU_CMC.ID02191.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02192.3p miR	TJU_CMC.ID02192.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02193.3p miR	TJU_CMC.ID02193.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02194.5p miR	TJU_CMC.ID02194.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02195.5p miR	TJU_CMC.ID02195.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02196.3p miR	TJU_CMC.ID02196.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02197.3p miR	TJU_CMC.ID02197.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02198.5p miR	TJU_CMC.ID02198.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID02199.5p miR	TJU_CMC.ID02199.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02200.3p miR	TJU_CMC.ID02200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02201.3p miR	TJU_CMC.ID02201.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02202.5p miR	TJU_CMC.ID02202.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02203.3p miR	TJU_CMC.ID02203.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02204.3p miR	TJU_CMC.ID02204.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02205.5p miR	TJU_CMC.ID02205.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02206.5p miR	TJU_CMC.ID02206.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02207.3p miR	TJU_CMC.ID02207.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02208.3p miR	TJU_CMC.ID02208.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02209.3p miR	TJU_CMC.ID02209.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02210.5p miR	TJU_CMC.ID02210.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02211.5p miR	TJU_CMC.ID02211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02212.3p miR	TJU_CMC.ID02212.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02213.5p miR	TJU_CMC.ID02213.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID02214.5p miR	TJU_CMC.ID02214.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02215.5p miR	TJU_CMC.ID02215.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02216.3p miR	TJU_CMC.ID02216.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02217.5p miR	TJU_CMC.ID02217.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02218.3p miR	TJU_CMC.ID02218.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02219.5p miR	TJU_CMC.ID02219.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02220.5p miR	TJU_CMC.ID02220.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02221.3p miR	TJU_CMC.ID02221.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02222.5p miR	TJU_CMC.ID02222.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID02223.3p miR	TJU_CMC.ID02223.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02224.5p miR	TJU_CMC.ID02224.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02225.3p miR	TJU_CMC.ID02225.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02226.3p miR	TJU_CMC.ID02226.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID02227.3p miR	TJU_CMC.ID02227.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02228.3p miR	TJU_CMC.ID02228.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02229.5p miR	TJU_CMC.ID02229.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02230.3p miR	TJU_CMC.ID02230.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02231.5p miR	TJU_CMC.ID02231.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02232.3p miR	TJU_CMC.ID02232.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02233.5p miR	TJU_CMC.ID02233.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02234.3p miR	TJU_CMC.ID02234.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02235.5p miR	TJU_CMC.ID02235.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02236.5p miR	TJU_CMC.ID02236.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02237.5p miR	TJU_CMC.ID02237.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02238.5p miR	TJU_CMC.ID02238.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02239.5p miR	TJU_CMC.ID02239.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID02240.3p miR	TJU_CMC.ID02240.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02241.5p miR	TJU_CMC.ID02241.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID02242.3p miR	TJU_CMC.ID02242.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02243.5p miR	TJU_CMC.ID02243.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02244.3p miR	TJU_CMC.ID02244.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02245.3p miR	TJU_CMC.ID02245.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02246.5p miR	TJU_CMC.ID02246.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02247.3p miR	TJU_CMC.ID02247.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02248.3p miR	TJU_CMC.ID02248.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02249.3p miR	TJU_CMC.ID02249.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID02250.3p miR	TJU_CMC.ID02250.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02251.5p miR	TJU_CMC.ID02251.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02252.3p miR	TJU_CMC.ID02252.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02253.5p miR	TJU_CMC.ID02253.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02254.5p miR	TJU_CMC.ID02254.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02255.3p miR	TJU_CMC.ID02255.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02256.3p miR	TJU_CMC.ID02256.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02257.3p miR	TJU_CMC.ID02257.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02258.3p miR	TJU_CMC.ID02258.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02259.5p miR	TJU_CMC.ID02259.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02260.5p miR	TJU_CMC.ID02260.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02261.5p miR	TJU_CMC.ID02261.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02262.3p miR	TJU_CMC.ID02262.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID02263.3p miR	TJU_CMC.ID02263.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02264.5p miR	TJU_CMC.ID02264.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02265.5p miR	TJU_CMC.ID02265.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02266.3p miR	TJU_CMC.ID02266.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02267.3p miR	TJU_CMC.ID02267.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02268.3p miR	TJU_CMC.ID02268.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02269.5p miR	TJU_CMC.ID02269.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02270.5p miR	TJU_CMC.ID02270.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02271.3p miR	TJU_CMC.ID02271.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02272.5p miR	TJU_CMC.ID02272.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02273.3p miR	TJU_CMC.ID02273.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02274.3p miR	TJU_CMC.ID02274.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02275.5p miR	TJU_CMC.ID02275.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02276.3p miR	TJU_CMC.ID02276.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02277.3p miR	TJU_CMC.ID02277.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02278.5p miR	TJU_CMC.ID02278.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02279.5p miR	TJU_CMC.ID02279.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02280.5p miR	TJU_CMC.ID02280.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02281.5p miR	TJU_CMC.ID02281.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02282.3p miR	TJU_CMC.ID02282.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02283.5p miR	TJU_CMC.ID02283.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02284.3p miR	TJU_CMC.ID02284.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02285.3p miR	TJU_CMC.ID02285.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02286.5p miR	TJU_CMC.ID02286.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02287.5p miR	TJU_CMC.ID02287.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02288.5p miR	TJU_CMC.ID02288.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02289.5p miR	TJU_CMC.ID02289.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02290.5p miR	TJU_CMC.ID02290.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02291.5p miR	TJU_CMC.ID02291.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02292.3p miR	TJU_CMC.ID02292.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02293.5p miR	TJU_CMC.ID02293.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02294.3p miR	TJU_CMC.ID02294.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02295.5p miR	TJU_CMC.ID02295.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02296.3p miR	TJU_CMC.ID02296.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02297.3p miR	TJU_CMC.ID02297.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02298.5p miR	TJU_CMC.ID02298.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02299.3p miR	TJU_CMC.ID02299.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02300.3p miR	TJU_CMC.ID02300.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02301.3p miR	TJU_CMC.ID02301.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID02302.3p miR	TJU_CMC.ID02302.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02303.5p miR	TJU_CMC.ID02303.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02304.5p miR	TJU_CMC.ID02304.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02305.3p miR	TJU_CMC.ID02305.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02306.5p miR	TJU_CMC.ID02306.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02307.5p miR	TJU_CMC.ID02307.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02308.3p miR	TJU_CMC.ID02308.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02309.3p miR	TJU_CMC.ID02309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02310.5p miR	TJU_CMC.ID02310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02311.3p miR	TJU_CMC.ID02311.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02312.5p miR	TJU_CMC.ID02312.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02313.5p miR	TJU_CMC.ID02313.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02314.5p miR	TJU_CMC.ID02314.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02315.3p miR	TJU_CMC.ID02315.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02316.5p miR	TJU_CMC.ID02316.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02317.3p miR	TJU_CMC.ID02317.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02318.5p miR	TJU_CMC.ID02318.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02319.3p miR	TJU_CMC.ID02319.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02320.3p miR	TJU_CMC.ID02320.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02321.5p miR	TJU_CMC.ID02321.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02322.3p miR	TJU_CMC.ID02322.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02323.5p miR	TJU_CMC.ID02323.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02324.3p miR	TJU_CMC.ID02324.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02325.5p miR	TJU_CMC.ID02325.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02326.5p miR	TJU_CMC.ID02326.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID02327.3p miR	TJU_CMC.ID02327.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID02328.5p miR	TJU_CMC.ID02328.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02329.5p miR	TJU_CMC.ID02329.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02330.5p miR	TJU_CMC.ID02330.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02331.3p miR	TJU_CMC.ID02331.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02332.5p miR	TJU_CMC.ID02332.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02333.5p miR	TJU_CMC.ID02333.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID02334.3p miR	TJU_CMC.ID02334.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID02335.5p miR	TJU_CMC.ID02335.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02336.3p miR	TJU_CMC.ID02336.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02337.5p miR	TJU_CMC.ID02337.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02338.3p miR	TJU_CMC.ID02338.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02339.5p miR	TJU_CMC.ID02339.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02340.5p miR	TJU_CMC.ID02340.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02341.5p miR	TJU_CMC.ID02341.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02342.5p miR	TJU_CMC.ID02342.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02343.5p miR	TJU_CMC.ID02343.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02344.5p miR	TJU_CMC.ID02344.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02345.3p miR	TJU_CMC.ID02345.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02346.5p miR	TJU_CMC.ID02346.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02347.5p miR	TJU_CMC.ID02347.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02348.5p miR	TJU_CMC.ID02348.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02349.5p miR	TJU_CMC.ID02349.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02350.3p miR	TJU_CMC.ID02350.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02351.3p miR	TJU_CMC.ID02351.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02352.3p miR	TJU_CMC.ID02352.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02353.5p miR	TJU_CMC.ID02353.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02354.3p miR	TJU_CMC.ID02354.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02355.3p miR	TJU_CMC.ID02355.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02356.3p miR	TJU_CMC.ID02356.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02357.3p miR	TJU_CMC.ID02357.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02358.5p miR	TJU_CMC.ID02358.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02359.5p miR	TJU_CMC.ID02359.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02360.3p miR	TJU_CMC.ID02360.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02361.5p miR	TJU_CMC.ID02361.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02362.5p miR	TJU_CMC.ID02362.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02363.3p miR	TJU_CMC.ID02363.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02364.3p miR	TJU_CMC.ID02364.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02365.3p miR	TJU_CMC.ID02365.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02366.3p miR	TJU_CMC.ID02366.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02367.5p miR	TJU_CMC.ID02367.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02368.3p miR	TJU_CMC.ID02368.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02369.5p miR	TJU_CMC.ID02369.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02370.3p miR	TJU_CMC.ID02370.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID02371.3p miR	TJU_CMC.ID02371.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02372.3p miR	TJU_CMC.ID02372.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02373.3p miR	TJU_CMC.ID02373.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02374.3p miR	TJU_CMC.ID02374.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02375.5p miR	TJU_CMC.ID02375.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02376.5p miR	TJU_CMC.ID02376.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02377.5p miR	TJU_CMC.ID02377.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02378.3p miR	TJU_CMC.ID02378.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02379.5p miR	TJU_CMC.ID02379.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02380.5p miR	TJU_CMC.ID02380.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02381.3p miR	TJU_CMC.ID02381.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02382.3p miR	TJU_CMC.ID02382.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02383.3p miR	TJU_CMC.ID02383.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02384.5p miR	TJU_CMC.ID02384.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02385.3p miR	TJU_CMC.ID02385.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02386.3p miR	TJU_CMC.ID02386.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02387.3p miR	TJU_CMC.ID02387.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02388.5p miR	TJU_CMC.ID02388.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02389.3p miR	TJU_CMC.ID02389.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02390.3p miR	TJU_CMC.ID02390.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02391.5p miR	TJU_CMC.ID02391.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02392.3p miR	TJU_CMC.ID02392.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02393.3p miR	TJU_CMC.ID02393.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02394.3p miR	TJU_CMC.ID02394.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02395.3p miR	TJU_CMC.ID02395.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02396.3p miR	TJU_CMC.ID02396.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02397.5p miR	TJU_CMC.ID02397.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02398.3p miR	TJU_CMC.ID02398.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02399.5p miR	TJU_CMC.ID02399.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02400.5p miR	TJU_CMC.ID02400.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02401.3p miR	TJU_CMC.ID02401.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02402.3p miR	TJU_CMC.ID02402.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02403.3p miR	TJU_CMC.ID02403.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02404.3p miR	TJU_CMC.ID02404.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02405.5p miR	TJU_CMC.ID02405.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02406.3p miR	TJU_CMC.ID02406.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02407.3p miR	TJU_CMC.ID02407.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02408.5p miR	TJU_CMC.ID02408.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02409.3p miR	TJU_CMC.ID02409.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02410.3p miR	TJU_CMC.ID02410.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02411.5p miR	TJU_CMC.ID02411.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02412.3p miR	TJU_CMC.ID02412.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02413.5p miR	TJU_CMC.ID02413.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02414.3p miR	TJU_CMC.ID02414.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02415.3p miR	TJU_CMC.ID02415.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02416.3p miR	TJU_CMC.ID02416.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02417.5p miR	TJU_CMC.ID02417.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02418.3p miR	TJU_CMC.ID02418.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02419.3p miR	TJU_CMC.ID02419.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02420.5p miR	TJU_CMC.ID02420.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02421.3p miR	TJU_CMC.ID02421.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02422.3p miR	TJU_CMC.ID02422.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02423.5p miR	TJU_CMC.ID02423.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02424.3p miR	TJU_CMC.ID02424.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02425.5p miR	TJU_CMC.ID02425.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02426.3p miR	TJU_CMC.ID02426.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02427.3p miR	TJU_CMC.ID02427.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02428.3p miR	TJU_CMC.ID02428.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02429.5p miR	TJU_CMC.ID02429.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02430.5p miR	TJU_CMC.ID02430.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02431.3p miR	TJU_CMC.ID02431.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02432.3p miR	TJU_CMC.ID02432.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02433.3p miR	TJU_CMC.ID02433.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02434.3p miR	TJU_CMC.ID02434.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02435.5p miR	TJU_CMC.ID02435.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02436.3p miR	TJU_CMC.ID02436.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02437.5p miR	TJU_CMC.ID02437.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02438.3p miR	TJU_CMC.ID02438.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02439.5p miR	TJU_CMC.ID02439.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02440.3p miR	TJU_CMC.ID02440.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02441.3p miR	TJU_CMC.ID02441.hairpin	YES	NO NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02442.3p miR	TJU_CMC.ID02442.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID02443.3p miR	TJU_CMC.ID02443.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02444.3p miR	TJU_CMC.ID02444.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02445.5p miR	TJU_CMC.ID02445.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02446.5p miR	TJU_CMC.ID02446.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02447.3p miR	TJU_CMC.ID02447.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02448.3p miR	TJU_CMC.ID02448.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02449.5p miR	TJU_CMC.ID02449.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02450.5p miR	TJU_CMC.ID02450.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02451.3p miR	TJU_CMC.ID02451.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02452.5p miR	TJU_CMC.ID02452.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02453.5p miR	TJU_CMC.ID02453.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02454.3p miR	TJU_CMC.ID02454.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02455.5p miR	TJU_CMC.ID02455.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02456.3p miR	TJU_CMC.ID02456.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02457.3p miR	TJU_CMC.ID02457.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02458.3p miR	TJU_CMC.ID02458.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02459.3p miR	TJU_CMC.ID02459.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02460.5p miR	TJU_CMC.ID02460.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02461.5p miR	TJU_CMC.ID02461.hairpin	YES	YES YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02462.3p miR	TJU_CMC.ID02462.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02463.5p miR	TJU_CMC.ID02463.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02464.5p miR	TJU_CMC.ID02464.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02465.3p miR	TJU_CMC.ID02465.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02466.3p miR	TJU_CMC.ID02466.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02467.5p miR	TJU_CMC.ID02467.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02468.3p miR	TJU_CMC.ID02468.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02469.3p miR	TJU_CMC.ID02469.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02470.3p miR	TJU_CMC.ID02470.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02471.3p miR	TJU_CMC.ID02471.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02472.5p miR	TJU_CMC.ID02472.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02473.3p miR	TJU_CMC.ID02473.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02474.5p miR	TJU_CMC.ID02474.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02475.5p miR	TJU_CMC.ID02475.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02476.3p miR	TJU_CMC.ID02476.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02477.3p miR	TJU_CMC.ID02477.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02478.3p miR	TJU_CMC.ID02478.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02479.3p miR	TJU_CMC.ID02479.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02480.3p miR	TJU_CMC.ID02480.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02481.5p miR	TJU_CMC.ID02481.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02482.5p miR	TJU_CMC.ID02482.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02483.3p miR	TJU_CMC.ID02483.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02484.3p miR	TJU_CMC.ID02484.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02485.5p miR	TJU_CMC.ID02485.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02486.5p miR	TJU_CMC.ID02486.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02487.3p miR	TJU_CMC.ID02487.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02488.5p miR	TJU_CMC.ID02488.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02489.5p miR	TJU_CMC.ID02489.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02490.3p miR	TJU_CMC.ID02490.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02491.3p miR	TJU_CMC.ID02491.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02492.3p miR	TJU_CMC.ID02492.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02493.3p miR	TJU_CMC.ID02493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02494.5p miR	TJU_CMC.ID02494.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02495.5p miR	TJU_CMC.ID02495.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02496.3p miR	TJU_CMC.ID02496.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02497.3p miR	TJU_CMC.ID02497.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02498.3p miR	TJU_CMC.ID02498.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02499.3p miR	TJU_CMC.ID02499.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02500.3p miR	TJU_CMC.ID02500.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02501.3p miR	TJU_CMC.ID02501.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02502.3p miR	TJU_CMC.ID02502.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02503.5p miR	TJU_CMC.ID02503.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02504.3p miR	TJU_CMC.ID02504.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02505.5p miR	TJU_CMC.ID02505.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02506.3p miR	TJU_CMC.ID02506.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02507.5p miR	TJU_CMC.ID02507.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02508.5p miR	TJU_CMC.ID02508.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02509.5p miR	TJU_CMC.ID02509.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02510.3p miR	TJU_CMC.ID02510.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02511.3p miR	TJU_CMC.ID02511.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02512.3p miR	TJU_CMC.ID02512.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02513.5p miR	TJU_CMC.ID02513.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02514.3p miR	TJU_CMC.ID02514.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02515.5p miR	TJU_CMC.ID02515.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02516.5p miR	TJU_CMC.ID02516.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02517.3p miR	TJU_CMC.ID02517.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02518.5p miR	TJU_CMC.ID02518.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02519.3p miR	TJU_CMC.ID02519.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02520.3p miR	TJU_CMC.ID02520.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02521.3p miR	TJU_CMC.ID02521.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02522.5p miR	TJU_CMC.ID02522.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02523.3p miR	TJU_CMC.ID02523.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02524.3p miR	TJU_CMC.ID02524.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02525.5p miR	TJU_CMC.ID02525.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02526.5p miR	TJU_CMC.ID02526.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02527.3p miR	TJU_CMC.ID02527.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02528.3p miR	TJU_CMC.ID02528.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02529.5p miR	TJU_CMC.ID02529.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02530.5p miR	TJU_CMC.ID02530.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02531.5p miR	TJU_CMC.ID02531.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02532.5p miR	TJU_CMC.ID02532.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02533.5p miR	TJU_CMC.ID02533.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02534.5p miR	TJU_CMC.ID02534.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02535.3p miR	TJU_CMC.ID02535.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02536.5p miR	TJU_CMC.ID02536.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02537.5p miR	TJU_CMC.ID02537.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02538.3p miR	TJU_CMC.ID02538.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02539.3p miR	TJU_CMC.ID02539.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02540.5p miR	TJU_CMC.ID02540.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02541.3p miR	TJU_CMC.ID02541.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02542.3p miR	TJU_CMC.ID02542.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02543.5p miR	TJU_CMC.ID02543.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02544.5p miR	TJU_CMC.ID02544.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02545.3p miR	TJU_CMC.ID02545.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02546.3p miR	TJU_CMC.ID02546.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02547.3p miR	TJU_CMC.ID02547.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02548.5p miR	TJU_CMC.ID02548.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02549.5p miR	TJU_CMC.ID02549.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02550.3p miR	TJU_CMC.ID02550.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID02551.5p miR	TJU_CMC.ID02551.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02552.3p miR	TJU_CMC.ID02552.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02553.3p miR	TJU_CMC.ID02553.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02554.5p miR	TJU_CMC.ID02554.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID02555.3p miR	TJU_CMC.ID02555.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02556.3p miR	TJU_CMC.ID02556.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02557.3p miR	TJU_CMC.ID02557.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02558.5p miR	TJU_CMC.ID02558.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02559.5p miR	TJU_CMC.ID02559.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02560.3p miR	TJU_CMC.ID02560.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02561.5p miR	TJU_CMC.ID02561.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02562.5p miR	TJU_CMC.ID02562.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID02563.5p miR	TJU_CMC.ID02563.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02564.3p miR	TJU_CMC.ID02564.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02565.3p miR	TJU_CMC.ID02565.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02566.5p miR	TJU_CMC.ID02566.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02567.3p miR	TJU_CMC.ID02567.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID02568.5p miR	TJU_CMC.ID02568.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02569.5p miR	TJU_CMC.ID02569.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02570.3p miR	TJU_CMC.ID02570.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02571.3p miR	TJU_CMC.ID02571.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02572.3p miR	TJU_CMC.ID02572.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02573.5p miR	TJU_CMC.ID02573.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02574.3p miR	TJU_CMC.ID02574.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02575.5p miR	TJU_CMC.ID02575.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02576.5p miR	TJU_CMC.ID02576.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02577.5p miR	TJU_CMC.ID02577.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02578.5p miR	TJU_CMC.ID02578.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02579.3p miR	TJU_CMC.ID02579.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02580.5p miR	TJU_CMC.ID02580.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02581.3p miR	TJU_CMC.ID02581.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID02582.3p miR	TJU_CMC.ID02582.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02583.3p miR	TJU_CMC.ID02583.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02584.5p miR	TJU_CMC.ID02584.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02585.3p miR	TJU_CMC.ID02585.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02586.5p miR	TJU_CMC.ID02586.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID02587.3p miR	TJU_CMC.ID02587.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02588.5p miR	TJU_CMC.ID02588.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02589.3p miR	TJU_CMC.ID02589.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02590.3p miR	TJU_CMC.ID02590.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02591.3p miR	TJU_CMC.ID02591.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02592.5p miR	TJU_CMC.ID02592.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02593.3p miR	TJU_CMC.ID02593.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02594.3p miR	TJU_CMC.ID02594.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02595.3p miR	TJU_CMC.ID02595.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02596.5p miR	TJU_CMC.ID02596.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02597.5p miR	TJU_CMC.ID02597.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02598.3p miR	TJU_CMC.ID02598.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02599.3p miR	TJU_CMC.ID02599.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02600.5p miR	TJU_CMC.ID02600.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02601.3p miR	TJU_CMC.ID02601.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02602.3p miR	TJU_CMC.ID02602.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02603.5p miR	TJU_CMC.ID02603.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02604.3p miR	TJU_CMC.ID02604.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02605.3p miR	TJU_CMC.ID02605.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02606.5p miR	TJU_CMC.ID02606.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02607.5p miR	TJU_CMC.ID02607.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02608.3p miR	TJU_CMC.ID02608.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02609.3p miR	TJU_CMC.ID02609.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02610.5p miR	TJU_CMC.ID02610.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02611.5p miR	TJU_CMC.ID02611.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02612.3p miR	TJU_CMC.ID02612.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02613.3p miR	TJU_CMC.ID02613.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02614.5p miR	TJU_CMC.ID02614.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02615.3p miR	TJU_CMC.ID02615.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02616.3p miR	TJU_CMC.ID02616.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02617.3p miR	TJU_CMC.ID02617.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02618.3p miR	TJU_CMC.ID02618.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02619.3p miR	TJU_CMC.ID02619.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02620.5p miR	TJU_CMC.ID02620.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02621.5p miR	TJU_CMC.ID02621.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02622.5p miR	TJU_CMC.ID02622.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02623.5p miR	TJU_CMC.ID02623.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02624.5p miR	TJU_CMC.ID02624.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02625.5p miR	TJU_CMC.ID02625.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02626.5p miR	TJU_CMC.ID02626.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02627.3p miR	TJU_CMC.ID02627.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02628.3p miR	TJU_CMC.ID02628.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02629.3p miR	TJU_CMC.ID02629.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02630.5p miR	TJU_CMC.ID02630.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02631.3p miR	TJU_CMC.ID02631.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02632.5p miR	TJU_CMC.ID02632.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02633.5p miR	TJU_CMC.ID02633.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02634.5p miR	TJU_CMC.ID02634.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02635.5p miR	TJU_CMC.ID02635.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02636.3p miR	TJU_CMC.ID02636.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02637.5p miR	TJU_CMC.ID02637.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02638.3p miR	TJU_CMC.ID02638.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02639.3p miR	TJU_CMC.ID02639.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02640.5p miR	TJU_CMC.ID02640.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02641.5p miR	TJU_CMC.ID02641.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02642.5p miR	TJU_CMC.ID02642.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02643.3p miR	TJU_CMC.ID02643.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02644.5p miR	TJU_CMC.ID02644.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02645.5p miR	TJU_CMC.ID02645.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02646.3p miR	TJU_CMC.ID02646.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02647.3p miR	TJU_CMC.ID02647.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02648.3p miR	TJU_CMC.ID02648.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02649.3p miR	TJU_CMC.ID02649.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02650.5p miR	TJU_CMC.ID02650.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02651.5p miR	TJU_CMC.ID02651.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02652.3p miR	TJU_CMC.ID02652.hairpin	YES	YES YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02653.5p miR	TJU_CMC.ID02653.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02654.3p miR	TJU_CMC.ID02654.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02655.3p miR	TJU_CMC.ID02655.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02656.3p miR	TJU_CMC.ID02656.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02657.5p miR	TJU_CMC.ID02657.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02658.5p miR	TJU_CMC.ID02658.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02659.5p miR	TJU_CMC.ID02659.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02660.3p miR	TJU_CMC.ID02660.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02661.3p miR	TJU_CMC.ID02661.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02662.3p miR	TJU_CMC.ID02662.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02663.5p miR	TJU_CMC.ID02663.hairpin	YES	YES YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02664.3p miR	TJU_CMC.ID02664.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02665.3p miR	TJU_CMC.ID02665.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02666.5p miR	TJU_CMC.ID02666.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02667.5p miR	TJU_CMC.ID02667.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02668.5p miR	TJU_CMC.ID02668.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02669.3p miR	TJU_CMC.ID02669.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02670.3p miR	TJU_CMC.ID02670.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02671.5p miR	TJU_CMC.ID02671.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02672.3p miR	TJU_CMC.ID02672.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02673.3p miR	TJU_CMC.ID02673.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02674.5p miR	TJU_CMC.ID02674.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02675.3p miR	TJU_CMC.ID02675.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02676.5p miR	TJU_CMC.ID02676.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02677.5p miR	TJU_CMC.ID02677.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02678.3p miR	TJU_CMC.ID02678.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02679.5p miR	TJU_CMC.ID02679.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02680.5p miR	TJU_CMC.ID02680.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02681.3p miR	TJU_CMC.ID02681.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02682.3p miR	TJU_CMC.ID02682.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02683.3p miR	TJU_CMC.ID02683.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02684.3p miR	TJU_CMC.ID02684.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02685.3p miR	TJU_CMC.ID02685.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02686.3p miR	TJU_CMC.ID02686.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02687.3p miR	TJU_CMC.ID02687.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02688.3p miR	TJU_CMC.ID02688.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02689.5p miR	TJU_CMC.ID02689.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02690.5p miR	TJU_CMC.ID02690.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02691.5p miR	TJU_CMC.ID02691.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02692.3p miR	TJU_CMC.ID02692.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02693.3p miR	TJU_CMC.ID02693.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02694.3p miR	TJU_CMC.ID02694.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID02695.3p miR	TJU_CMC.ID02695.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02696.5p miR	TJU_CMC.ID02696.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02697.3p miR	TJU_CMC.ID02697.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02698.5p miR	TJU_CMC.ID02698.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02699.3p miR	TJU_CMC.ID02699.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02700.5p miR	TJU_CMC.ID02700.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02701.3p miR	TJU_CMC.ID02701.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02702.5p miR	TJU_CMC.ID02702.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02703.3p miR	TJU_CMC.ID02703.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02704.3p miR	TJU_CMC.ID02704.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02705.5p miR	TJU_CMC.ID02705.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02706.5p miR	TJU_CMC.ID02706.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02707.5p miR	TJU_CMC.ID02707.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02708.3p miR	TJU_CMC.ID02708.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02709.3p miR	TJU_CMC.ID02709.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02710.3p miR	TJU_CMC.ID02710.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02711.3p miR	TJU_CMC.ID02711.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02712.5p miR	TJU_CMC.ID02712.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02713.3p miR	TJU_CMC.ID02713.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02714.3p miR	TJU_CMC.ID02714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02715.3p miR	TJU_CMC.ID02715.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02716.3p miR	TJU_CMC.ID02716.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02717.5p miR	TJU_CMC.ID02717.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02718.3p miR	TJU_CMC.ID02718.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02719.3p miR	TJU_CMC.ID02719.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02720.3p miR	TJU_CMC.ID02720.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02721.5p miR	TJU_CMC.ID02721.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02722.5p miR	TJU_CMC.ID02722.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02723.3p miR	TJU_CMC.ID02723.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02724.5p miR	TJU_CMC.ID02724.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02725.5p miR	TJU_CMC.ID02725.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02726.5p miR	TJU_CMC.ID02726.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02727.3p miR	TJU_CMC.ID02727.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02728.3p miR	TJU_CMC.ID02728.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02729.5p miR	TJU_CMC.ID02729.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02730.5p miR	TJU_CMC.ID02730.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID02731.3p miR	TJU_CMC.ID02731.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02732.5p miR	TJU_CMC.ID02732.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02733.5p miR	TJU_CMC.ID02733.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02734.5p miR	TJU_CMC.ID02734.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02735.3p miR	TJU_CMC.ID02735.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02736.3p miR	TJU_CMC.ID02736.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02737.3p miR	TJU_CMC.ID02737.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02738.5p miR	TJU_CMC.ID02738.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02739.5p miR	TJU_CMC.ID02739.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02740.5p miR	TJU_CMC.ID02740.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02741.5p miR	TJU_CMC.ID02741.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02742.5p miR	TJU_CMC.ID02742.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02743.3p miR	TJU_CMC.ID02743.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02744.5p miR	TJU_CMC.ID02744.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02745.5p miR	TJU_CMC.ID02745.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02746.3p miR	TJU_CMC.ID02746.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02747.5p miR	TJU_CMC.ID02747.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02748.3p miR	TJU_CMC.ID02748.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02749.3p miR	TJU_CMC.ID02749.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02750.5p miR	TJU_CMC.ID02750.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02751.5p miR	TJU_CMC.ID02751.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02752.3p miR	TJU_CMC.ID02752.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02753.3p miR	TJU_CMC.ID02753.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02754.5p miR	TJU_CMC.ID02754.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID02755.3p miR	TJU_CMC.ID02755.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02756.5p miR	TJU_CMC.ID02756.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02757.5p miR	TJU_CMC.ID02757.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02758.5p miR	TJU_CMC.ID02758.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02759.5p miR	TJU_CMC.ID02759.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02760.3p miR	TJU_CMC.ID02760.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02761.3p miR	TJU_CMC.ID02761.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02762.3p miR	TJU_CMC.ID02762.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02763.3p miR	TJU_CMC.ID02763.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02764.5p miR	TJU_CMC.ID02764.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02765.5p miR	TJU_CMC.ID02765.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02766.3p miR	TJU_CMC.ID02766.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID02767.3p miR	TJU_CMC.ID02767.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02768.5p miR	TJU_CMC.ID02768.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02769.5p miR	TJU_CMC.ID02769.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02770.3p miR	TJU_CMC.ID02770.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02771.5p miR	TJU_CMC.ID02771.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02772.3p miR	TJU_CMC.ID02772.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02773.3p miR	TJU_CMC.ID02773.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02774.5p miR	TJU_CMC.ID02774.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02775.3p miR	TJU_CMC.ID02775.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02776.5p miR	TJU_CMC.ID02776.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02777.5p miR	TJU_CMC.ID02777.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02778.5p miR	TJU_CMC.ID02778.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02779.3p miR	TJU_CMC.ID02779.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02780.5p miR	TJU_CMC.ID02780.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02781.5p miR	TJU_CMC.ID02781.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02782.3p miR	TJU_CMC.ID02782.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02783.5p miR	TJU_CMC.ID02783.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02784.3p miR	TJU_CMC.ID02784.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02785.3p miR	TJU_CMC.ID02785.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02786.5p miR	TJU_CMC.ID02786.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02787.5p miR	TJU_CMC.ID02787.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02788.3p miR	TJU_CMC.ID02788.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02789.3p miR	TJU_CMC.ID02789.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02790.5p miR	TJU_CMC.ID02790.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02791.5p miR	TJU_CMC.ID02791.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02792.5p miR	TJU_CMC.ID02792.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02793.3p miR	TJU_CMC.ID02793.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02794.3p miR	TJU_CMC.ID02794.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02795.3p miR	TJU_CMC.ID02795.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02796.5p miR	TJU_CMC.ID02796.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02797.5p miR	TJU_CMC.ID02797.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02798.5p miR	TJU_CMC.ID02798.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02799.5p miR	TJU_CMC.ID02799.hairpin	YES	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02800.3p miR	TJU_CMC.ID02800.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02801.3p miR	TJU_CMC.ID02801.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02802.3p miR	TJU_CMC.ID02802.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID02803.3p miR	TJU_CMC.ID02803.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02804.5p miR	TJU_CMC.ID02804.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02805.3p miR	TJU_CMC.ID02805.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02806.3p miR	TJU_CMC.ID02806.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02807.5p miR	TJU_CMC.ID02807.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02808.3p miR	TJU_CMC.ID02808.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02809.3p miR	TJU_CMC.ID02809.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02810.3p miR	TJU_CMC.ID02810.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02811.5p miR	TJU_CMC.ID02811.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02812.3p miR	TJU_CMC.ID02812.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02813.3p miR	TJU_CMC.ID02813.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02814.3p miR	TJU_CMC.ID02814.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02815.5p miR	TJU_CMC.ID02815.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02816.5p miR	TJU_CMC.ID02816.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02817.5p miR	TJU_CMC.ID02817.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02818.3p miR	TJU_CMC.ID02818.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02819.5p miR	TJU_CMC.ID02819.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02820.5p miR	TJU_CMC.ID02820.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02821.5p miR	TJU_CMC.ID02821.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02822.3p miR	TJU_CMC.ID02822.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02823.5p miR	TJU_CMC.ID02823.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02824.5p miR	TJU_CMC.ID02824.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02825.5p miR	TJU_CMC.ID02825.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02826.5p miR	TJU_CMC.ID02826.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02827.5p miR	TJU_CMC.ID02827.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02828.5p miR	TJU_CMC.ID02828.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02829.5p miR	TJU_CMC.ID02829.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02830.5p miR	TJU_CMC.ID02830.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02831.3p miR	TJU_CMC.ID02831.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02832.5p miR	TJU_CMC.ID02832.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02833.5p miR	TJU_CMC.ID02833.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02834.3p miR	TJU_CMC.ID02834.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02835.3p miR	TJU_CMC.ID02835.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02836.5p miR	TJU_CMC.ID02836.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02837.3p miR	TJU_CMC.ID02837.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02838.3p miR	TJU_CMC.ID02838.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID02839.5p miR	TJU_CMC.ID02839.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02840.5p miR	TJU_CMC.ID02840.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02841.3p miR	TJU_CMC.ID02841.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02842.5p miR	TJU_CMC.ID02842.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02843.3p miR	TJU_CMC.ID02843.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02844.3p miR	TJU_CMC.ID02844.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02845.3p miR	TJU_CMC.ID02845.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02846.3p miR	TJU_CMC.ID02846.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02847.5p miR	TJU_CMC.ID02847.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02848.5p miR	TJU_CMC.ID02848.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02849.5p miR	TJU_CMC.ID02849.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02850.5p miR	TJU_CMC.ID02850.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02851.5p miR	TJU_CMC.ID02851.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02852.3p miR	TJU_CMC.ID02852.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02853.5p miR	TJU_CMC.ID02853.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02854.5p miR	TJU_CMC.ID02854.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02855.5p miR	TJU_CMC.ID02855.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02856.5p miR	TJU_CMC.ID02856.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02857.5p miR	TJU_CMC.ID02857.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02858.3p miR	TJU_CMC.ID02858.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02859.3p miR	TJU_CMC.ID02859.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02860.3p miR	TJU_CMC.ID02860.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02861.5p miR	TJU_CMC.ID02861.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02862.5p miR	TJU_CMC.ID02862.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02863.5p miR	TJU_CMC.ID02863.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02864.5p miR	TJU_CMC.ID02864.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02865.3p miR	TJU_CMC.ID02865.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02866.3p miR	TJU_CMC.ID02866.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02867.5p miR	TJU_CMC.ID02867.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02868.3p miR	TJU_CMC.ID02868.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02869.5p miR	TJU_CMC.ID02869.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02870.5p miR	TJU_CMC.ID02870.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02871.5p miR	TJU_CMC.ID02871.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02872.3p miR	TJU_CMC.ID02872.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02873.3p miR	TJU_CMC.ID02873.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02874.5p miR	TJU_CMC.ID02874.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID02875.3p miR	TJU_CMC.ID02875.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02876.5p miR	TJU_CMC.ID02876.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02877.3p miR	TJU_CMC.ID02877.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02878.3p miR	TJU_CMC.ID02878.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02879.5p miR	TJU_CMC.ID02879.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02880.5p miR	TJU_CMC.ID02880.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02881.5p miR	TJU_CMC.ID02881.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02882.3p miR	TJU_CMC.ID02882.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02883.5p miR	TJU_CMC.ID02883.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02884.3p miR	TJU_CMC.ID02884.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02885.3p miR	TJU_CMC.ID02885.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02886.5p miR	TJU_CMC.ID02886.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02887.3p miR	TJU_CMC.ID02887.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02888.3p miR	TJU_CMC.ID02888.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02889.3p miR	TJU_CMC.ID02889.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02890.3p miR	TJU_CMC.ID02890.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02891.3p miR	TJU_CMC.ID02891.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02892.3p miR	TJU_CMC.ID02892.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02893.3p miR	TJU_CMC.ID02893.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02894.5p miR	TJU_CMC.ID02894.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02895.5p miR	TJU_CMC.ID02895.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02896.3p miR	TJU_CMC.ID02896.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02897.3p miR	TJU_CMC.ID02897.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02898.5p miR	TJU_CMC.ID02898.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02899.5p miR	TJU_CMC.ID02899.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID02900.5p miR	TJU_CMC.ID02900.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02901.3p miR	TJU_CMC.ID02901.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02902.5p miR	TJU_CMC.ID02902.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02903.5p miR	TJU_CMC.ID02903.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID02904.3p miR	TJU_CMC.ID02904.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02905.3p miR	TJU_CMC.ID02905.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02906.3p miR	TJU_CMC.ID02906.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02907.3p miR	TJU_CMC.ID02907.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02908.3p miR	TJU_CMC.ID02908.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02909.3p miR	TJU_CMC.ID02909.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02910.3p miR	TJU_CMC.ID02910.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID02911.3p miR	TJU_CMC.ID02911.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02912.5p miR	TJU_CMC.ID02912.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02913.3p miR	TJU_CMC.ID02913.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02914.3p miR	TJU_CMC.ID02914.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02915.3p miR	TJU_CMC.ID02915.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02916.5p miR	TJU_CMC.ID02916.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02917.5p miR	TJU_CMC.ID02917.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02918.3p miR	TJU_CMC.ID02918.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02919.5p miR	TJU_CMC.ID02919.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID02920.5p miR	TJU_CMC.ID02920.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02921.5p miR	TJU_CMC.ID02921.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02922.3p miR	TJU_CMC.ID02922.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID02923.5p miR	TJU_CMC.ID02923.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02924.5p miR	TJU_CMC.ID02924.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02925.3p miR	TJU_CMC.ID02925.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02926.5p miR	TJU_CMC.ID02926.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02927.5p miR	TJU_CMC.ID02927.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02928.3p miR	TJU_CMC.ID02928.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID02929.3p miR	TJU_CMC.ID02929.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02930.3p miR	TJU_CMC.ID02930.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID02931.3p miR	TJU_CMC.ID02931.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02932.5p miR	TJU_CMC.ID02932.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02933.5p miR	TJU_CMC.ID02933.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID02934.3p miR	TJU_CMC.ID02934.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02935.5p miR	TJU_CMC.ID02935.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02936.3p miR	TJU_CMC.ID02936.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02937.5p miR	TJU_CMC.ID02937.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02938.5p miR	TJU_CMC.ID02938.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID02939.3p miR	TJU_CMC.ID02939.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02940.5p miR	TJU_CMC.ID02940.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02941.5p miR	TJU_CMC.ID02941.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02942.3p miR	TJU_CMC.ID02942.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID02943.3p miR	TJU_CMC.ID02943.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID02944.3p miR	TJU_CMC.ID02944.hairpin	YES	YES	NO	YES	NO	YES	NO	NO	
TJU_CMC.ID02945.5p miR	TJU_CMC.ID02945.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID02946.3p miR	TJU_CMC.ID02946.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	

TJU_CMC.ID02947.3p miR	TJU_CMC.ID02947.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02948.3p miR	TJU_CMC.ID02948.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02949.5p miR	TJU_CMC.ID02949.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02950.3p miR	TJU_CMC.ID02950.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02951.5p miR	TJU_CMC.ID02951.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02952.5p miR	TJU_CMC.ID02952.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02953.5p miR	TJU_CMC.ID02953.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02954.3p miR	TJU_CMC.ID02954.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02955.3p miR	TJU_CMC.ID02955.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID02956.5p miR	TJU_CMC.ID02956.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02957.5p miR	TJU_CMC.ID02957.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02958.3p miR	TJU_CMC.ID02958.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID02959.5p miR	TJU_CMC.ID02959.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02960.5p miR	TJU_CMC.ID02960.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02961.3p miR	TJU_CMC.ID02961.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02962.3p miR	TJU_CMC.ID02962.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02963.3p miR	TJU_CMC.ID02963.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02964.5p miR	TJU_CMC.ID02964.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02965.5p miR	TJU_CMC.ID02965.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02966.3p miR	TJU_CMC.ID02966.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02967.5p miR	TJU_CMC.ID02967.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02968.3p miR	TJU_CMC.ID02968.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02969.5p miR	TJU_CMC.ID02969.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02970.3p miR	TJU_CMC.ID02970.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02971.3p miR	TJU_CMC.ID02971.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02972.3p miR	TJU_CMC.ID02972.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02973.3p miR	TJU_CMC.ID02973.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02974.3p miR	TJU_CMC.ID02974.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02975.5p miR	TJU_CMC.ID02975.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02976.5p miR	TJU_CMC.ID02976.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02977.3p miR	TJU_CMC.ID02977.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID02978.3p miR	TJU_CMC.ID02978.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02979.3p miR	TJU_CMC.ID02979.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID02980.3p miR	TJU_CMC.ID02980.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02981.5p miR	TJU_CMC.ID02981.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02982.3p miR	TJU_CMC.ID02982.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID02983.5p miR	TJU_CMC.ID02983.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02984.5p miR	TJU_CMC.ID02984.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02985.3p miR	TJU_CMC.ID02985.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02986.3p miR	TJU_CMC.ID02986.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02987.3p miR	TJU_CMC.ID02987.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02988.3p miR	TJU_CMC.ID02988.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID02989.3p miR	TJU_CMC.ID02989.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02990.5p miR	TJU_CMC.ID02990.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02991.3p miR	TJU_CMC.ID02991.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02992.3p miR	TJU_CMC.ID02992.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02993.3p miR	TJU_CMC.ID02993.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID02994.5p miR	TJU_CMC.ID02994.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02995.5p miR	TJU_CMC.ID02995.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID02996.5p miR	TJU_CMC.ID02996.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02997.3p miR	TJU_CMC.ID02997.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID02998.3p miR	TJU_CMC.ID02998.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID02999.3p miR	TJU_CMC.ID02999.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03000.5p miR	TJU_CMC.ID03000.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03001.3p miR	TJU_CMC.ID03001.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03002.3p miR	TJU_CMC.ID03002.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03003.3p miR	TJU_CMC.ID03003.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03004.3p miR	TJU_CMC.ID03004.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03005.3p miR	TJU_CMC.ID03005.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03006.5p miR	TJU_CMC.ID03006.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03007.3p miR	TJU_CMC.ID03007.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03008.3p miR	TJU_CMC.ID03008.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03009.3p miR	TJU_CMC.ID03009.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03010.5p miR	TJU_CMC.ID03010.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03011.5p miR	TJU_CMC.ID03011.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03012.5p miR	TJU_CMC.ID03012.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03013.5p miR	TJU_CMC.ID03013.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03014.5p miR	TJU_CMC.ID03014.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03015.5p miR	TJU_CMC.ID03015.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03016.5p miR	TJU_CMC.ID03016.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03017.5p miR	TJU_CMC.ID03017.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03018.3p miR	TJU_CMC.ID03018.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03019.5p miR	TJU_CMC.ID03019.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03020.5p miR	TJU_CMC.ID03020.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03021.3p miR	TJU_CMC.ID03021.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03022.3p miR	TJU_CMC.ID03022.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03023.3p miR	TJU_CMC.ID03023.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03024.3p miR	TJU_CMC.ID03024.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03025.3p miR	TJU_CMC.ID03025.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03026.5p miR	TJU_CMC.ID03026.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03027.5p miR	TJU_CMC.ID03027.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03028.5p miR	TJU_CMC.ID03028.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03029.5p miR	TJU_CMC.ID03029.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03030.3p miR	TJU_CMC.ID03030.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03031.3p miR	TJU_CMC.ID03031.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03032.5p miR	TJU_CMC.ID03032.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03033.3p miR	TJU_CMC.ID03033.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03034.3p miR	TJU_CMC.ID03034.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03035.3p miR	TJU_CMC.ID03035.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03036.5p miR	TJU_CMC.ID03036.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03037.3p miR	TJU_CMC.ID03037.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03038.3p miR	TJU_CMC.ID03038.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03039.3p miR	TJU_CMC.ID03039.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03040.5p miR	TJU_CMC.ID03040.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03041.3p miR	TJU_CMC.ID03041.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03042.3p miR	TJU_CMC.ID03042.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03043.5p miR	TJU_CMC.ID03043.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03044.5p miR	TJU_CMC.ID03044.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03045.3p miR	TJU_CMC.ID03045.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03046.3p miR	TJU_CMC.ID03046.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03047.5p miR	TJU_CMC.ID03047.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03048.5p miR	TJU_CMC.ID03048.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03049.3p miR	TJU_CMC.ID03049.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03050.5p miR	TJU_CMC.ID03050.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03051.5p miR	TJU_CMC.ID03051.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03052.5p miR	TJU_CMC.ID03052.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03053.3p miR	TJU_CMC.ID03053.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03054.3p miR	TJU_CMC.ID03054.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03055.5p miR	TJU_CMC.ID03055.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03056.3p miR	TJU_CMC.ID03056.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03057.3p miR	TJU_CMC.ID03057.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03058.5p miR	TJU_CMC.ID03058.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03059.5p miR	TJU_CMC.ID03059.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03060.5p miR	TJU_CMC.ID03060.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03061.5p miR	TJU_CMC.ID03061.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03062.5p miR	TJU_CMC.ID03062.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03063.5p miR	TJU_CMC.ID03063.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03064.3p miR	TJU_CMC.ID03064.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03065.5p miR	TJU_CMC.ID03065.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03066.3p miR	TJU_CMC.ID03066.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03067.5p miR	TJU_CMC.ID03067.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03068.5p miR	TJU_CMC.ID03068.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03069.3p miR	TJU_CMC.ID03069.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03070.5p miR	TJU_CMC.ID03070.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03071.5p miR	TJU_CMC.ID03071.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03072.3p miR	TJU_CMC.ID03072.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03073.3p miR	TJU_CMC.ID03073.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03074.5p miR	TJU_CMC.ID03074.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03075.5p miR	TJU_CMC.ID03075.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03076.5p miR	TJU_CMC.ID03076.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03077.3p miR	TJU_CMC.ID03077.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03078.3p miR	TJU_CMC.ID03078.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03079.5p miR	TJU_CMC.ID03079.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03080.5p miR	TJU_CMC.ID03080.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03081.5p miR	TJU_CMC.ID03081.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03082.5p miR	TJU_CMC.ID03082.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03083.5p miR	TJU_CMC.ID03083.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03084.5p miR	TJU_CMC.ID03084.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03085.3p miR	TJU_CMC.ID03085.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03086.5p miR	TJU_CMC.ID03086.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03087.3p miR	TJU_CMC.ID03087.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03088.3p miR	TJU_CMC.ID03088.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03089.5p miR	TJU_CMC.ID03089.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03090.5p miR	TJU_CMC.ID03090.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03091.3p miR	TJU_CMC.ID03091.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03092.5p miR	TJU_CMC.ID03092.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03093.3p miR	TJU_CMC.ID03093.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03094.5p miR	TJU_CMC.ID03094.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03095.3p miR	TJU_CMC.ID03095.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03096.5p miR	TJU_CMC.ID03096.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03097.5p miR	TJU_CMC.ID03097.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03098.3p miR	TJU_CMC.ID03098.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03099.3p miR	TJU_CMC.ID03099.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03100.3p miR	TJU_CMC.ID03100.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03101.5p miR	TJU_CMC.ID03101.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03102.3p miR	TJU_CMC.ID03102.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03103.3p miR	TJU_CMC.ID03103.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03104.5p miR	TJU_CMC.ID03104.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03105.5p miR	TJU_CMC.ID03105.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03106.3p miR	TJU_CMC.ID03106.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03107.3p miR	TJU_CMC.ID03107.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03108.5p miR	TJU_CMC.ID03108.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03109.3p miR	TJU_CMC.ID03109.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03110.3p miR	TJU_CMC.ID03110.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03111.3p miR	TJU_CMC.ID03111.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03112.3p miR	TJU_CMC.ID03112.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03113.5p miR	TJU_CMC.ID03113.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03114.5p miR	TJU_CMC.ID03114.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03115.3p miR	TJU_CMC.ID03115.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03116.3p miR	TJU_CMC.ID03116.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03117.3p miR	TJU_CMC.ID03117.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03118.3p miR	TJU_CMC.ID03118.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03119.5p miR	TJU_CMC.ID03119.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03120.5p miR	TJU_CMC.ID03120.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03121.5p miR	TJU_CMC.ID03121.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03122.5p miR	TJU_CMC.ID03122.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03123.5p miR	TJU_CMC.ID03123.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03124.3p miR	TJU_CMC.ID03124.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03125.3p miR	TJU_CMC.ID03125.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03126.3p miR	TJU_CMC.ID03126.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID03127.5p miR	TJU_CMC.ID03127.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03128.3p miR	TJU_CMC.ID03128.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03129.3p miR	TJU_CMC.ID03129.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03130.3p miR	TJU_CMC.ID03130.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03131.3p miR	TJU_CMC.ID03131.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03132.3p miR	TJU_CMC.ID03132.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03133.5p miR	TJU_CMC.ID03133.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03134.3p miR	TJU_CMC.ID03134.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03135.3p miR	TJU_CMC.ID03135.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03136.5p miR	TJU_CMC.ID03136.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03137.3p miR	TJU_CMC.ID03137.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03138.5p miR	TJU_CMC.ID03138.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03139.3p miR	TJU_CMC.ID03139.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03140.3p miR	TJU_CMC.ID03140.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03141.3p miR	TJU_CMC.ID03141.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03142.5p miR	TJU_CMC.ID03142.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03143.3p miR	TJU_CMC.ID03143.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03144.3p miR	TJU_CMC.ID03144.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03145.3p miR	TJU_CMC.ID03145.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03146.5p miR	TJU_CMC.ID03146.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03147.5p miR	TJU_CMC.ID03147.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03148.5p miR	TJU_CMC.ID03148.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03149.3p miR	TJU_CMC.ID03149.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03150.3p miR	TJU_CMC.ID03150.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03151.3p miR	TJU_CMC.ID03151.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03152.5p miR	TJU_CMC.ID03152.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03153.3p miR	TJU_CMC.ID03153.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03154.5p miR	TJU_CMC.ID03154.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03155.5p miR	TJU_CMC.ID03155.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03156.5p miR	TJU_CMC.ID03156.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03157.3p miR	TJU_CMC.ID03157.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03158.3p miR	TJU_CMC.ID03158.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03159.3p miR	TJU_CMC.ID03159.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03160.5p miR	TJU_CMC.ID03160.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03161.5p miR	TJU_CMC.ID03161.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03162.5p miR	TJU_CMC.ID03162.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03163.3p miR	TJU_CMC.ID03163.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03164.3p miR	TJU_CMC.ID03164.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03165.3p miR	TJU_CMC.ID03165.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03166.3p miR	TJU_CMC.ID03166.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03167.5p miR	TJU_CMC.ID03167.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03168.3p miR	TJU_CMC.ID03168.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03169.3p miR	TJU_CMC.ID03169.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03170.5p miR	TJU_CMC.ID03170.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03171.5p miR	TJU_CMC.ID03171.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03172.3p miR	TJU_CMC.ID03172.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03173.5p miR	TJU_CMC.ID03173.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03174.3p miR	TJU_CMC.ID03174.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03175.3p miR	TJU_CMC.ID03175.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03176.3p miR	TJU_CMC.ID03176.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03177.5p miR	TJU_CMC.ID03177.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03178.3p miR	TJU_CMC.ID03178.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03179.3p miR	TJU_CMC.ID03179.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03180.5p miR	TJU_CMC.ID03180.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03181.5p miR	TJU_CMC.ID03181.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03182.5p miR	TJU_CMC.ID03182.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03183.3p miR	TJU_CMC.ID03183.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03184.5p miR	TJU_CMC.ID03184.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03185.5p miR	TJU_CMC.ID03185.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03186.5p miR	TJU_CMC.ID03186.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03187.5p miR	TJU_CMC.ID03187.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03188.5p miR	TJU_CMC.ID03188.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03189.5p miR	TJU_CMC.ID03189.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03190.5p miR	TJU_CMC.ID03190.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03191.3p miR	TJU_CMC.ID03191.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03192.3p miR	TJU_CMC.ID03192.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03193.5p miR	TJU_CMC.ID03193.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03194.3p miR	TJU_CMC.ID03194.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03195.5p miR	TJU_CMC.ID03195.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03196.3p miR	TJU_CMC.ID03196.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03197.3p miR	TJU_CMC.ID03197.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03198.3p miR	TJU_CMC.ID03198.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03199.3p miR	TJU_CMC.ID03199.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03200.3p miR	TJU_CMC.ID03200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03201.3p miR	TJU_CMC.ID03201.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03202.5p miR	TJU_CMC.ID03202.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03203.3p miR	TJU_CMC.ID03203.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03204.5p miR	TJU_CMC.ID03204.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03205.5p miR	TJU_CMC.ID03205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03206.5p miR	TJU_CMC.ID03206.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03207.3p miR	TJU_CMC.ID03207.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03208.3p miR	TJU_CMC.ID03208.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03209.5p miR	TJU_CMC.ID03209.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03210.5p miR	TJU_CMC.ID03210.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03211.5p miR	TJU_CMC.ID03211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03212.3p miR	TJU_CMC.ID03212.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03213.5p miR	TJU_CMC.ID03213.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03214.5p miR	TJU_CMC.ID03214.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03215.3p miR	TJU_CMC.ID03215.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03216.3p miR	TJU_CMC.ID03216.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03217.5p miR	TJU_CMC.ID03217.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03218.3p miR	TJU_CMC.ID03218.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03219.3p miR	TJU_CMC.ID03219.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03220.3p miR	TJU_CMC.ID03220.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03221.5p miR	TJU_CMC.ID03221.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03222.3p miR	TJU_CMC.ID03222.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03223.5p miR	TJU_CMC.ID03223.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03224.3p miR	TJU_CMC.ID03224.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03225.3p miR	TJU_CMC.ID03225.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03226.3p miR	TJU_CMC.ID03226.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03227.3p miR	TJU_CMC.ID03227.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03228.3p miR	TJU_CMC.ID03228.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03229.3p miR	TJU_CMC.ID03229.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03230.3p miR	TJU_CMC.ID03230.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03231.5p miR	TJU_CMC.ID03231.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03232.5p miR	TJU_CMC.ID03232.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03233.3p miR	TJU_CMC.ID03233.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03234.3p miR	TJU_CMC.ID03234.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID03235.3p miR	TJU_CMC.ID03235.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03236.3p miR	TJU_CMC.ID03236.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03237.5p miR	TJU_CMC.ID03237.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03238.3p miR	TJU_CMC.ID03238.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03239.5p miR	TJU_CMC.ID03239.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03240.3p miR	TJU_CMC.ID03240.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03241.5p miR	TJU_CMC.ID03241.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03242.3p miR	TJU_CMC.ID03242.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03243.3p miR	TJU_CMC.ID03243.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03244.3p miR	TJU_CMC.ID03244.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03245.3p miR	TJU_CMC.ID03245.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03246.5p miR	TJU_CMC.ID03246.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03247.3p miR	TJU_CMC.ID03247.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03248.3p miR	TJU_CMC.ID03248.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03249.5p miR	TJU_CMC.ID03249.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03250.5p miR	TJU_CMC.ID03250.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03251.3p miR	TJU_CMC.ID03251.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03252.3p miR	TJU_CMC.ID03252.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03253.5p miR	TJU_CMC.ID03253.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03254.5p miR	TJU_CMC.ID03254.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03255.3p miR	TJU_CMC.ID03255.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03256.3p miR	TJU_CMC.ID03256.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03257.5p miR	TJU_CMC.ID03257.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03258.3p miR	TJU_CMC.ID03258.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03259.5p miR	TJU_CMC.ID03259.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03260.5p miR	TJU_CMC.ID03260.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03261.3p miR	TJU_CMC.ID03261.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03262.3p miR	TJU_CMC.ID03262.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03263.3p miR	TJU_CMC.ID03263.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03264.5p miR	TJU_CMC.ID03264.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03265.5p miR	TJU_CMC.ID03265.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03266.3p miR	TJU_CMC.ID03266.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03267.5p miR	TJU_CMC.ID03267.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03268.5p miR	TJU_CMC.ID03268.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03269.5p miR	TJU_CMC.ID03269.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03270.5p miR	TJU_CMC.ID03270.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID03271.5p miR	TJU_CMC.ID03271.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03272.3p miR	TJU_CMC.ID03272.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03273.3p miR	TJU_CMC.ID03273.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID03274.5p miR	TJU_CMC.ID03274.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03275.3p miR	TJU_CMC.ID03275.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03276.5p miR	TJU_CMC.ID03276.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03277.3p miR	TJU_CMC.ID03277.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID03278.3p miR	TJU_CMC.ID03278.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03279.3p miR	TJU_CMC.ID03279.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03280.5p miR	TJU_CMC.ID03280.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03281.3p miR	TJU_CMC.ID03281.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03282.3p miR	TJU_CMC.ID03282.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03283.3p miR	TJU_CMC.ID03283.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03284.3p miR	TJU_CMC.ID03284.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID03285.3p miR	TJU_CMC.ID03285.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03286.5p miR	TJU_CMC.ID03286.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03287.5p miR	TJU_CMC.ID03287.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03288.5p miR	TJU_CMC.ID03288.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID03289.5p miR	TJU_CMC.ID03289.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID03290.3p miR	TJU_CMC.ID03290.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03291.5p miR	TJU_CMC.ID03291.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID03292.3p miR	TJU_CMC.ID03292.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID03293.5p miR	TJU_CMC.ID03293.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03294.3p miR	TJU_CMC.ID03294.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03295.5p miR	TJU_CMC.ID03295.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03296.3p miR	TJU_CMC.ID03296.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03297.3p miR	TJU_CMC.ID03297.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03298.3p miR	TJU_CMC.ID03298.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID03299.3p miR	TJU_CMC.ID03299.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03300.5p miR	TJU_CMC.ID03300.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID03301.3p miR	TJU_CMC.ID03301.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID03302.3p miR	TJU_CMC.ID03302.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03303.3p miR	TJU_CMC.ID03303.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03304.3p miR	TJU_CMC.ID03304.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03305.5p miR	TJU_CMC.ID03305.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03306.5p miR	TJU_CMC.ID03306.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	

TJU_CMC.ID03307.5p miR	TJU_CMC.ID03307.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03308.5p miR	TJU_CMC.ID03308.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03309.5p miR	TJU_CMC.ID03309.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03310.5p miR	TJU_CMC.ID03310.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03311.5p miR	TJU_CMC.ID03311.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03312.5p miR	TJU_CMC.ID03312.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03313.3p miR	TJU_CMC.ID03313.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03314.5p miR	TJU_CMC.ID03314.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03315.5p miR	TJU_CMC.ID03315.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03316.5p miR	TJU_CMC.ID03316.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03317.5p miR	TJU_CMC.ID03317.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03318.5p miR	TJU_CMC.ID03318.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03319.3p miR	TJU_CMC.ID03319.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03320.5p miR	TJU_CMC.ID03320.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03321.3p miR	TJU_CMC.ID03321.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03322.5p miR	TJU_CMC.ID03322.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03323.5p miR	TJU_CMC.ID03323.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03324.5p miR	TJU_CMC.ID03324.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03325.3p miR	TJU_CMC.ID03325.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03326.5p miR	TJU_CMC.ID03326.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03327.3p miR	TJU_CMC.ID03327.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03328.5p miR	TJU_CMC.ID03328.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03329.3p miR	TJU_CMC.ID03329.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03330.3p miR	TJU_CMC.ID03330.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03331.5p miR	TJU_CMC.ID03331.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03332.3p miR	TJU_CMC.ID03332.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03333.5p miR	TJU_CMC.ID03333.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03334.3p miR	TJU_CMC.ID03334.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03335.5p miR	TJU_CMC.ID03335.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03336.5p miR	TJU_CMC.ID03336.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03337.3p miR	TJU_CMC.ID03337.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03338.5p miR	TJU_CMC.ID03338.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03339.3p miR	TJU_CMC.ID03339.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03340.5p miR	TJU_CMC.ID03340.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03341.3p miR	TJU_CMC.ID03341.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03342.3p miR	TJU_CMC.ID03342.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03343.3p miR	TJU_CMC.ID03343.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03344.5p miR	TJU_CMC.ID03344.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03345.3p miR	TJU_CMC.ID03345.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03346.3p miR	TJU_CMC.ID03346.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03347.5p miR	TJU_CMC.ID03347.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03348.5p miR	TJU_CMC.ID03348.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03349.3p miR	TJU_CMC.ID03349.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03350.3p miR	TJU_CMC.ID03350.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03351.3p miR	TJU_CMC.ID03351.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03352.5p miR	TJU_CMC.ID03352.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03353.3p miR	TJU_CMC.ID03353.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03354.3p miR	TJU_CMC.ID03354.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03355.5p miR	TJU_CMC.ID03355.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03356.3p miR	TJU_CMC.ID03356.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03357.3p miR	TJU_CMC.ID03357.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03358.5p miR	TJU_CMC.ID03358.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03359.5p miR	TJU_CMC.ID03359.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03360.3p miR	TJU_CMC.ID03360.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03361.5p miR	TJU_CMC.ID03361.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03362.3p miR	TJU_CMC.ID03362.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03363.3p miR	TJU_CMC.ID03363.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03364.5p miR	TJU_CMC.ID03364.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03365.5p miR	TJU_CMC.ID03365.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03366.5p miR	TJU_CMC.ID03366.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03367.5p miR	TJU_CMC.ID03367.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03368.5p miR	TJU_CMC.ID03368.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03369.3p miR	TJU_CMC.ID03369.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03370.3p miR	TJU_CMC.ID03370.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03371.5p miR	TJU_CMC.ID03371.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03372.3p miR	TJU_CMC.ID03372.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03373.3p miR	TJU_CMC.ID03373.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03374.5p miR	TJU_CMC.ID03374.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03375.5p miR	TJU_CMC.ID03375.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03376.5p miR	TJU_CMC.ID03376.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03377.3p miR	TJU_CMC.ID03377.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03378.3p miR	TJU_CMC.ID03378.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03379.5p miR	TJU_CMC.ID03379.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03380.5p miR	TJU_CMC.ID03380.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03381.5p miR	TJU_CMC.ID03381.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03382.3p miR	TJU_CMC.ID03382.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03383.3p miR	TJU_CMC.ID03383.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03384.3p miR	TJU_CMC.ID03384.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03385.3p miR	TJU_CMC.ID03385.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03386.5p miR	TJU_CMC.ID03386.hairpin	YES	YES NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03387.3p miR	TJU_CMC.ID03387.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03388.5p miR	TJU_CMC.ID03388.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03389.3p miR	TJU_CMC.ID03389.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03390.3p miR	TJU_CMC.ID03390.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03391.3p miR	TJU_CMC.ID03391.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03392.5p miR	TJU_CMC.ID03392.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03393.5p miR	TJU_CMC.ID03393.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03394.3p miR	TJU_CMC.ID03394.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03395.3p miR	TJU_CMC.ID03395.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03396.5p miR	TJU_CMC.ID03396.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03397.3p miR	TJU_CMC.ID03397.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03398.5p miR	TJU_CMC.ID03398.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03399.5p miR	TJU_CMC.ID03399.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03400.3p miR	TJU_CMC.ID03400.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03401.3p miR	TJU_CMC.ID03401.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03402.5p miR	TJU_CMC.ID03402.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03403.3p miR	TJU_CMC.ID03403.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03404.5p miR	TJU_CMC.ID03404.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03405.5p miR	TJU_CMC.ID03405.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03406.3p miR	TJU_CMC.ID03406.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03407.3p miR	TJU_CMC.ID03407.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03408.3p miR	TJU_CMC.ID03408.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03409.3p miR	TJU_CMC.ID03409.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03410.3p miR	TJU_CMC.ID03410.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03411.3p miR	TJU_CMC.ID03411.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03412.5p miR	TJU_CMC.ID03412.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03413.3p miR	TJU_CMC.ID03413.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03414.5p miR	TJU_CMC.ID03414.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03415.5p miR	TJU_CMC.ID03415.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03416.5p miR	TJU_CMC.ID03416.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03417.3p miR	TJU_CMC.ID03417.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03418.5p miR	TJU_CMC.ID03418.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03419.5p miR	TJU_CMC.ID03419.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03420.3p miR	TJU_CMC.ID03420.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03421.3p miR	TJU_CMC.ID03421.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03422.3p miR	TJU_CMC.ID03422.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03423.3p miR	TJU_CMC.ID03423.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03424.3p miR	TJU_CMC.ID03424.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03425.3p miR	TJU_CMC.ID03425.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03426.5p miR	TJU_CMC.ID03426.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03427.5p miR	TJU_CMC.ID03427.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03428.3p miR	TJU_CMC.ID03428.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03429.3p miR	TJU_CMC.ID03429.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03430.3p miR	TJU_CMC.ID03430.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03431.3p miR	TJU_CMC.ID03431.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03432.5p miR	TJU_CMC.ID03432.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03433.5p miR	TJU_CMC.ID03433.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03434.5p miR	TJU_CMC.ID03434.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03435.3p miR	TJU_CMC.ID03435.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03436.5p miR	TJU_CMC.ID03436.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03437.5p miR	TJU_CMC.ID03437.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03438.3p miR	TJU_CMC.ID03438.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03439.3p miR	TJU_CMC.ID03439.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03440.5p miR	TJU_CMC.ID03440.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03441.3p miR	TJU_CMC.ID03441.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03442.3p miR	TJU_CMC.ID03442.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03443.5p miR	TJU_CMC.ID03443.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03444.5p miR	TJU_CMC.ID03444.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03445.5p miR	TJU_CMC.ID03445.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03446.5p miR	TJU_CMC.ID03446.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03447.3p miR	TJU_CMC.ID03447.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03448.5p miR	TJU_CMC.ID03448.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03449.3p miR	TJU_CMC.ID03449.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03450.3p miR	TJU_CMC.ID03450.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC.ID03451.3p miR	TJU_CMC.ID03451.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03452.3p miR	TJU_CMC.ID03452.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03453.5p miR	TJU_CMC.ID03453.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03454.5p miR	TJU_CMC.ID03454.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03455.5p miR	TJU_CMC.ID03455.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03456.3p miR	TJU_CMC.ID03456.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03457.5p miR	TJU_CMC.ID03457.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03458.3p miR	TJU_CMC.ID03458.hairpin	YES	NO YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03459.3p miR	TJU_CMC.ID03459.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03460.5p miR	TJU_CMC.ID03460.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03461.3p miR	TJU_CMC.ID03461.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03462.5p miR	TJU_CMC.ID03462.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03463.3p miR	TJU_CMC.ID03463.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03464.5p miR	TJU_CMC.ID03464.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03465.5p miR	TJU_CMC.ID03465.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03466.3p miR	TJU_CMC.ID03466.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03467.3p miR	TJU_CMC.ID03467.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03468.3p miR	TJU_CMC.ID03468.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03469.3p miR	TJU_CMC.ID03469.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03470.5p miR	TJU_CMC.ID03470.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03471.3p miR	TJU_CMC.ID03471.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03472.3p miR	TJU_CMC.ID03472.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03473.3p miR	TJU_CMC.ID03473.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03474.5p miR	TJU_CMC.ID03474.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03475.3p miR	TJU_CMC.ID03475.hairpin	YES	NO YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03476.3p miR	TJU_CMC.ID03476.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03477.3p miR	TJU_CMC.ID03477.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03478.3p miR	TJU_CMC.ID03478.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03479.5p miR	TJU_CMC.ID03479.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03480.3p miR	TJU_CMC.ID03480.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03481.5p miR	TJU_CMC.ID03481.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03482.3p miR	TJU_CMC.ID03482.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03483.5p miR	TJU_CMC.ID03483.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03484.3p miR	TJU_CMC.ID03484.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03485.5p miR	TJU_CMC.ID03485.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03486.5p miR	TJU_CMC.ID03486.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03487.5p miR	TJU_CMC.ID03487.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03488.5p miR	TJU_CMC.ID03488.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03489.3p miR	TJU_CMC.ID03489.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03490.3p miR	TJU_CMC.ID03490.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03491.3p miR	TJU_CMC.ID03491.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03492.5p miR	TJU_CMC.ID03492.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03493.5p miR	TJU_CMC.ID03493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03494.5p miR	TJU_CMC.ID03494.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03495.5p miR	TJU_CMC.ID03495.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03496.3p miR	TJU_CMC.ID03496.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03497.5p miR	TJU_CMC.ID03497.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03498.5p miR	TJU_CMC.ID03498.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03499.3p miR	TJU_CMC.ID03499.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03500.3p miR	TJU_CMC.ID03500.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03501.3p miR	TJU_CMC.ID03501.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03502.5p miR	TJU_CMC.ID03502.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03503.5p miR	TJU_CMC.ID03503.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03504.3p miR	TJU_CMC.ID03504.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03505.5p miR	TJU_CMC.ID03505.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03506.5p miR	TJU_CMC.ID03506.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03507.3p miR	TJU_CMC.ID03507.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03508.5p miR	TJU_CMC.ID03508.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03509.3p miR	TJU_CMC.ID03509.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03510.5p miR	TJU_CMC.ID03510.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03511.5p miR	TJU_CMC.ID03511.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03512.3p miR	TJU_CMC.ID03512.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03513.3p miR	TJU_CMC.ID03513.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03514.5p miR	TJU_CMC.ID03514.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03515.3p miR	TJU_CMC.ID03515.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03516.3p miR	TJU_CMC.ID03516.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03517.3p miR	TJU_CMC.ID03517.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03518.3p miR	TJU_CMC.ID03518.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03519.3p miR	TJU_CMC.ID03519.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03520.3p miR	TJU_CMC.ID03520.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03521.5p miR	TJU_CMC.ID03521.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03522.3p miR	TJU_CMC.ID03522.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC.ID03523.5p miR	TJU_CMC.ID03523.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03524.5p miR	TJU_CMC.ID03524.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03525.5p miR	TJU_CMC.ID03525.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03526.5p miR	TJU_CMC.ID03526.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03527.5p miR	TJU_CMC.ID03527.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03528.5p miR	TJU_CMC.ID03528.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03529.3p miR	TJU_CMC.ID03529.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03530.5p miR	TJU_CMC.ID03530.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03531.3p miR	TJU_CMC.ID03531.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03532.5p miR	TJU_CMC.ID03532.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03533.3p miR	TJU_CMC.ID03533.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03534.3p miR	TJU_CMC.ID03534.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03535.3p miR	TJU_CMC.ID03535.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03536.3p miR	TJU_CMC.ID03536.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03537.5p miR	TJU_CMC.ID03537.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03538.3p miR	TJU_CMC.ID03538.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03539.3p miR	TJU_CMC.ID03539.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03540.3p miR	TJU_CMC.ID03540.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03541.3p miR	TJU_CMC.ID03541.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03542.5p miR	TJU_CMC.ID03542.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03543.5p miR	TJU_CMC.ID03543.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03544.3p miR	TJU_CMC.ID03544.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03545.5p miR	TJU_CMC.ID03545.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03546.5p miR	TJU_CMC.ID03546.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03547.3p miR	TJU_CMC.ID03547.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03548.3p miR	TJU_CMC.ID03548.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03549.5p miR	TJU_CMC.ID03549.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03550.3p miR	TJU_CMC.ID03550.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03551.5p miR	TJU_CMC.ID03551.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03552.5p miR	TJU_CMC.ID03552.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03553.3p miR	TJU_CMC.ID03553.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03554.5p miR	TJU_CMC.ID03554.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03555.3p miR	TJU_CMC.ID03555.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03556.5p miR	TJU_CMC.ID03556.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03557.5p miR	TJU_CMC.ID03557.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03558.5p miR	TJU_CMC.ID03558.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID03559.5p miR	TJU_CMC.ID03559.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03560.3p miR	TJU_CMC.ID03560.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03561.5p miR	TJU_CMC.ID03561.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03562.5p miR	TJU_CMC.ID03562.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03563.5p miR	TJU_CMC.ID03563.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03564.3p miR	TJU_CMC.ID03564.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03565.5p miR	TJU_CMC.ID03565.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03566.5p miR	TJU_CMC.ID03566.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03567.3p miR	TJU_CMC.ID03567.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03568.3p miR	TJU_CMC.ID03568.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03569.5p miR	TJU_CMC.ID03569.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03570.5p miR	TJU_CMC.ID03570.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03571.3p miR	TJU_CMC.ID03571.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03572.5p miR	TJU_CMC.ID03572.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03573.3p miR	TJU_CMC.ID03573.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03574.5p miR	TJU_CMC.ID03574.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03575.5p miR	TJU_CMC.ID03575.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03576.3p miR	TJU_CMC.ID03576.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03577.5p miR	TJU_CMC.ID03577.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03578.5p miR	TJU_CMC.ID03578.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03579.3p miR	TJU_CMC.ID03579.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03580.5p miR	TJU_CMC.ID03580.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03581.3p miR	TJU_CMC.ID03581.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03582.3p miR	TJU_CMC.ID03582.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03583.3p miR	TJU_CMC.ID03583.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03584.5p miR	TJU_CMC.ID03584.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03585.5p miR	TJU_CMC.ID03585.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03586.5p miR	TJU_CMC.ID03586.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03587.3p miR	TJU_CMC.ID03587.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03588.5p miR	TJU_CMC.ID03588.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03589.3p miR	TJU_CMC.ID03589.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03590.5p miR	TJU_CMC.ID03590.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03591.5p miR	TJU_CMC.ID03591.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03592.5p miR	TJU_CMC.ID03592.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03593.3p miR	TJU_CMC.ID03593.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03594.5p miR	TJU_CMC.ID03594.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03595.3p miR	TJU_CMC.ID03595.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03596.3p miR	TJU_CMC.ID03596.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03597.3p miR	TJU_CMC.ID03597.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03598.5p miR	TJU_CMC.ID03598.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03599.5p miR	TJU_CMC.ID03599.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03600.5p miR	TJU_CMC.ID03600.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03601.5p miR	TJU_CMC.ID03601.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03602.5p miR	TJU_CMC.ID03602.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03603.3p miR	TJU_CMC.ID03603.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03604.5p miR	TJU_CMC.ID03604.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03605.5p miR	TJU_CMC.ID03605.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03606.5p miR	TJU_CMC.ID03606.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03607.3p miR	TJU_CMC.ID03607.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03608.3p miR	TJU_CMC.ID03608.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03609.3p miR	TJU_CMC.ID03609.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03610.3p miR	TJU_CMC.ID03610.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03611.5p miR	TJU_CMC.ID03611.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03612.3p miR	TJU_CMC.ID03612.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03613.3p miR	TJU_CMC.ID03613.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03614.3p miR	TJU_CMC.ID03614.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03615.3p miR	TJU_CMC.ID03615.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03616.3p miR	TJU_CMC.ID03616.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03617.5p miR	TJU_CMC.ID03617.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03618.5p miR	TJU_CMC.ID03618.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03619.5p miR	TJU_CMC.ID03619.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03620.3p miR	TJU_CMC.ID03620.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03621.5p miR	TJU_CMC.ID03621.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03622.3p miR	TJU_CMC.ID03622.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03623.5p miR	TJU_CMC.ID03623.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03624.3p miR	TJU_CMC.ID03624.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03625.3p miR	TJU_CMC.ID03625.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03626.3p miR	TJU_CMC.ID03626.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03627.3p miR	TJU_CMC.ID03627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03628.3p miR	TJU_CMC.ID03628.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03629.5p miR	TJU_CMC.ID03629.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03630.3p miR	TJU_CMC.ID03630.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03631.3p miR	TJU_CMC.ID03631.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03632.5p miR	TJU_CMC.ID03632.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03633.5p miR	TJU_CMC.ID03633.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03634.3p miR	TJU_CMC.ID03634.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03635.5p miR	TJU_CMC.ID03635.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03636.3p miR	TJU_CMC.ID03636.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03637.5p miR	TJU_CMC.ID03637.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03638.3p miR	TJU_CMC.ID03638.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03639.3p miR	TJU_CMC.ID03639.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03640.3p miR	TJU_CMC.ID03640.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03641.5p miR	TJU_CMC.ID03641.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03642.5p miR	TJU_CMC.ID03642.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03643.3p miR	TJU_CMC.ID03643.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03644.3p miR	TJU_CMC.ID03644.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03645.3p miR	TJU_CMC.ID03645.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03646.3p miR	TJU_CMC.ID03646.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03647.3p miR	TJU_CMC.ID03647.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03648.3p miR	TJU_CMC.ID03648.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03649.3p miR	TJU_CMC.ID03649.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03650.3p miR	TJU_CMC.ID03650.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03651.3p miR	TJU_CMC.ID03651.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03652.3p miR	TJU_CMC.ID03652.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03653.5p miR	TJU_CMC.ID03653.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03654.5p miR	TJU_CMC.ID03654.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03655.3p miR	TJU_CMC.ID03655.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03656.5p miR	TJU_CMC.ID03656.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03657.5p miR	TJU_CMC.ID03657.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03658.3p miR	TJU_CMC.ID03658.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03659.3p miR	TJU_CMC.ID03659.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03660.3p miR	TJU_CMC.ID03660.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03661.3p miR	TJU_CMC.ID03661.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03662.5p miR	TJU_CMC.ID03662.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03663.5p miR	TJU_CMC.ID03663.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03664.3p miR	TJU_CMC.ID03664.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03665.3p miR	TJU_CMC.ID03665.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03666.3p miR	TJU_CMC.ID03666.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03667.3p miR	TJU_CMC.ID03667.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03668.5p miR	TJU_CMC.ID03668.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03669.5p miR	TJU_CMC.ID03669.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03670.3p miR	TJU_CMC.ID03670.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03671.3p miR	TJU_CMC.ID03671.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03672.3p miR	TJU_CMC.ID03672.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03673.3p miR	TJU_CMC.ID03673.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03674.3p miR	TJU_CMC.ID03674.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03675.3p miR	TJU_CMC.ID03675.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03676.3p miR	TJU_CMC.ID03676.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03677.5p miR	TJU_CMC.ID03677.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03678.5p miR	TJU_CMC.ID03678.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03679.5p miR	TJU_CMC.ID03679.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03680.5p miR	TJU_CMC.ID03680.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03681.3p miR	TJU_CMC.ID03681.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03682.3p miR	TJU_CMC.ID03682.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03683.3p miR	TJU_CMC.ID03683.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03684.5p miR	TJU_CMC.ID03684.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03685.5p miR	TJU_CMC.ID03685.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03686.5p miR	TJU_CMC.ID03686.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03687.3p miR	TJU_CMC.ID03687.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03688.3p miR	TJU_CMC.ID03688.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03689.5p miR	TJU_CMC.ID03689.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03690.3p miR	TJU_CMC.ID03690.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03691.3p miR	TJU_CMC.ID03691.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03692.5p miR	TJU_CMC.ID03692.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03693.5p miR	TJU_CMC.ID03693.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03694.3p miR	TJU_CMC.ID03694.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03695.5p miR	TJU_CMC.ID03695.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03696.3p miR	TJU_CMC.ID03696.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03697.5p miR	TJU_CMC.ID03697.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03698.5p miR	TJU_CMC.ID03698.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03699.3p miR	TJU_CMC.ID03699.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03700.3p miR	TJU_CMC.ID03700.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03701.5p miR	TJU_CMC.ID03701.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03702.5p miR	TJU_CMC.ID03702.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID03703.3p miR	TJU_CMC.ID03703.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03704.3p miR	TJU_CMC.ID03704.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03705.5p miR	TJU_CMC.ID03705.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03706.5p miR	TJU_CMC.ID03706.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03707.5p miR	TJU_CMC.ID03707.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03708.5p miR	TJU_CMC.ID03708.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03709.3p miR	TJU_CMC.ID03709.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03710.5p miR	TJU_CMC.ID03710.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03711.3p miR	TJU_CMC.ID03711.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03712.5p miR	TJU_CMC.ID03712.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03713.3p miR	TJU_CMC.ID03713.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID03714.3p miR	TJU_CMC.ID03714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03715.5p miR	TJU_CMC.ID03715.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03716.3p miR	TJU_CMC.ID03716.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03717.5p miR	TJU_CMC.ID03717.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03718.5p miR	TJU_CMC.ID03718.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03719.5p miR	TJU_CMC.ID03719.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03720.3p miR	TJU_CMC.ID03720.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03721.3p miR	TJU_CMC.ID03721.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03722.3p miR	TJU_CMC.ID03722.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03723.5p miR	TJU_CMC.ID03723.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03724.3p miR	TJU_CMC.ID03724.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID03725.3p miR	TJU_CMC.ID03725.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03726.5p miR	TJU_CMC.ID03726.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03727.5p miR	TJU_CMC.ID03727.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03728.3p miR	TJU_CMC.ID03728.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03729.5p miR	TJU_CMC.ID03729.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03730.5p miR	TJU_CMC.ID03730.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03731.3p miR	TJU_CMC.ID03731.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03732.5p miR	TJU_CMC.ID03732.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03733.5p miR	TJU_CMC.ID03733.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03734.3p miR	TJU_CMC.ID03734.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03735.3p miR	TJU_CMC.ID03735.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03736.5p miR	TJU_CMC.ID03736.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03737.3p miR	TJU_CMC.ID03737.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03738.3p miR	TJU_CMC.ID03738.hairpin	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID03739.3p miR	TJU_CMC.ID03739.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03740.5p miR	TJU_CMC.ID03740.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03741.3p miR	TJU_CMC.ID03741.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03742.3p miR	TJU_CMC.ID03742.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID03743.5p miR	TJU_CMC.ID03743.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID03744.5p miR	TJU_CMC.ID03744.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03745.3p miR	TJU_CMC.ID03745.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03746.3p miR	TJU_CMC.ID03746.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID03747.3p miR	TJU_CMC.ID03747.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03748.5p miR	TJU_CMC.ID03748.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03749.3p miR	TJU_CMC.ID03749.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03750.5p miR	TJU_CMC.ID03750.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03751.5p miR	TJU_CMC.ID03751.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID03752.5p miR	TJU_CMC.ID03752.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03753.5p miR	TJU_CMC.ID03753.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03754.3p miR	TJU_CMC.ID03754.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03755.3p miR	TJU_CMC.ID03755.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03756.3p miR	TJU_CMC.ID03756.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03757.5p miR	TJU_CMC.ID03757.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03758.3p miR	TJU_CMC.ID03758.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03759.5p miR	TJU_CMC.ID03759.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03760.5p miR	TJU_CMC.ID03760.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03761.3p miR	TJU_CMC.ID03761.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID03762.5p miR	TJU_CMC.ID03762.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03763.5p miR	TJU_CMC.ID03763.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID03764.3p miR	TJU_CMC.ID03764.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID03765.3p miR	TJU_CMC.ID03765.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03766.5p miR	TJU_CMC.ID03766.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03767.5p miR	TJU_CMC.ID03767.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03768.5p miR	TJU_CMC.ID03768.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03769.5p miR	TJU_CMC.ID03769.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03770.3p miR	TJU_CMC.ID03770.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID03771.5p miR	TJU_CMC.ID03771.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03772.3p miR	TJU_CMC.ID03772.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID03773.3p miR	TJU_CMC.ID03773.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID03774.5p miR	TJU_CMC.ID03774.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID03775.5p miR	TJU_CMC.ID03775.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03776.5p miR	TJU_CMC.ID03776.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03777.5p miR	TJU_CMC.ID03777.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03778.3p miR	TJU_CMC.ID03778.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03779.5p miR	TJU_CMC.ID03779.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03780.5p miR	TJU_CMC.ID03780.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03781.3p miR	TJU_CMC.ID03781.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03782.5p miR	TJU_CMC.ID03782.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03783.3p miR	TJU_CMC.ID03783.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03784.3p miR	TJU_CMC.ID03784.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03785.3p miR	TJU_CMC.ID03785.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03786.3p miR	TJU_CMC.ID03786.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03787.3p miR	TJU_CMC.ID03787.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03788.5p miR	TJU_CMC.ID03788.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03789.5p miR	TJU_CMC.ID03789.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03790.3p miR	TJU_CMC.ID03790.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03791.5p miR	TJU_CMC.ID03791.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03792.5p miR	TJU_CMC.ID03792.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03793.5p miR	TJU_CMC.ID03793.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03794.3p miR	TJU_CMC.ID03794.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03795.3p miR	TJU_CMC.ID03795.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03796.5p miR	TJU_CMC.ID03796.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03797.3p miR	TJU_CMC.ID03797.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03798.5p miR	TJU_CMC.ID03798.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03799.3p miR	TJU_CMC.ID03799.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03800.3p miR	TJU_CMC.ID03800.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03801.5p miR	TJU_CMC.ID03801.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03802.5p miR	TJU_CMC.ID03802.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03803.3p miR	TJU_CMC.ID03803.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03804.5p miR	TJU_CMC.ID03804.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03805.3p miR	TJU_CMC.ID03805.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03806.5p miR	TJU_CMC.ID03806.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03807.3p miR	TJU_CMC.ID03807.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03808.5p miR	TJU_CMC.ID03808.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03809.5p miR	TJU_CMC.ID03809.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03810.3p miR	TJU_CMC.ID03810.hairpin	YES	YES	YES	NO	YES	NO	NO	NO

TJU_CMC.ID03811.5p miR	TJU_CMC.ID03811.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03812.3p miR	TJU_CMC.ID03812.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03813.5p miR	TJU_CMC.ID03813.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03814.3p miR	TJU_CMC.ID03814.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03815.5p miR	TJU_CMC.ID03815.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03816.5p miR	TJU_CMC.ID03816.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03817.3p miR	TJU_CMC.ID03817.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03818.3p miR	TJU_CMC.ID03818.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03819.3p miR	TJU_CMC.ID03819.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03820.3p miR	TJU_CMC.ID03820.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03821.3p miR	TJU_CMC.ID03821.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03822.5p miR	TJU_CMC.ID03822.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03823.5p miR	TJU_CMC.ID03823.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03824.5p miR	TJU_CMC.ID03824.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03825.3p miR	TJU_CMC.ID03825.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03826.5p miR	TJU_CMC.ID03826.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03827.5p miR	TJU_CMC.ID03827.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03828.5p miR	TJU_CMC.ID03828.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03829.5p miR	TJU_CMC.ID03829.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03830.5p miR	TJU_CMC.ID03830.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03831.3p miR	TJU_CMC.ID03831.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03832.5p miR	TJU_CMC.ID03832.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03833.3p miR	TJU_CMC.ID03833.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03834.3p miR	TJU_CMC.ID03834.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03835.3p miR	TJU_CMC.ID03835.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03836.5p miR	TJU_CMC.ID03836.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03837.3p miR	TJU_CMC.ID03837.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03838.5p miR	TJU_CMC.ID03838.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03839.5p miR	TJU_CMC.ID03839.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03840.3p miR	TJU_CMC.ID03840.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03841.3p miR	TJU_CMC.ID03841.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03842.5p miR	TJU_CMC.ID03842.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03843.3p miR	TJU_CMC.ID03843.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03844.5p miR	TJU_CMC.ID03844.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03845.3p miR	TJU_CMC.ID03845.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03846.3p miR	TJU_CMC.ID03846.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID03847.5p miR	TJU_CMC.ID03847.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03848.5p miR	TJU_CMC.ID03848.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03849.3p miR	TJU_CMC.ID03849.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03850.5p miR	TJU_CMC.ID03850.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03851.5p miR	TJU_CMC.ID03851.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03852.5p miR	TJU_CMC.ID03852.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03853.3p miR	TJU_CMC.ID03853.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03854.5p miR	TJU_CMC.ID03854.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC.ID03855.5p miR	TJU_CMC.ID03855.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03856.5p miR	TJU_CMC.ID03856.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03857.3p miR	TJU_CMC.ID03857.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03858.3p miR	TJU_CMC.ID03858.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03859.5p miR	TJU_CMC.ID03859.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03860.5p miR	TJU_CMC.ID03860.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03861.5p miR	TJU_CMC.ID03861.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03862.5p miR	TJU_CMC.ID03862.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03863.3p miR	TJU_CMC.ID03863.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03864.5p miR	TJU_CMC.ID03864.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03865.3p miR	TJU_CMC.ID03865.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03866.3p miR	TJU_CMC.ID03866.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03867.3p miR	TJU_CMC.ID03867.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03868.3p miR	TJU_CMC.ID03868.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03869.5p miR	TJU_CMC.ID03869.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03870.3p miR	TJU_CMC.ID03870.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03871.3p miR	TJU_CMC.ID03871.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03872.5p miR	TJU_CMC.ID03872.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03873.3p miR	TJU_CMC.ID03873.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03874.5p miR	TJU_CMC.ID03874.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03875.5p miR	TJU_CMC.ID03875.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03876.3p miR	TJU_CMC.ID03876.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03877.3p miR	TJU_CMC.ID03877.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03878.5p miR	TJU_CMC.ID03878.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03879.5p miR	TJU_CMC.ID03879.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03880.3p miR	TJU_CMC.ID03880.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03881.3p miR	TJU_CMC.ID03881.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03882.3p miR	TJU_CMC.ID03882.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID03883.5p miR	TJU_CMC.ID03883.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03884.3p miR	TJU_CMC.ID03884.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03885.3p miR	TJU_CMC.ID03885.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03886.3p miR	TJU_CMC.ID03886.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03887.3p miR	TJU_CMC.ID03887.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03888.3p miR	TJU_CMC.ID03888.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03889.3p miR	TJU_CMC.ID03889.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03890.3p miR	TJU_CMC.ID03890.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03891.3p miR	TJU_CMC.ID03891.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03892.5p miR	TJU_CMC.ID03892.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03893.3p miR	TJU_CMC.ID03893.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03894.5p miR	TJU_CMC.ID03894.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03895.5p miR	TJU_CMC.ID03895.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03896.5p miR	TJU_CMC.ID03896.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03897.3p miR	TJU_CMC.ID03897.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03898.3p miR	TJU_CMC.ID03898.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03899.3p miR	TJU_CMC.ID03899.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03900.5p miR	TJU_CMC.ID03900.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03901.3p miR	TJU_CMC.ID03901.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03902.3p miR	TJU_CMC.ID03902.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03903.5p miR	TJU_CMC.ID03903.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03904.3p miR	TJU_CMC.ID03904.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03905.3p miR	TJU_CMC.ID03905.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03906.3p miR	TJU_CMC.ID03906.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03907.3p miR	TJU_CMC.ID03907.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03908.5p miR	TJU_CMC.ID03908.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03909.3p miR	TJU_CMC.ID03909.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03910.3p miR	TJU_CMC.ID03910.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03911.5p miR	TJU_CMC.ID03911.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03912.5p miR	TJU_CMC.ID03912.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03913.3p miR	TJU_CMC.ID03913.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03914.3p miR	TJU_CMC.ID03914.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03915.5p miR	TJU_CMC.ID03915.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03916.3p miR	TJU_CMC.ID03916.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03917.3p miR	TJU_CMC.ID03917.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03918.5p miR	TJU_CMC.ID03918.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID03919.5p miR	TJU_CMC.ID03919.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03920.3p miR	TJU_CMC.ID03920.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03921.3p miR	TJU_CMC.ID03921.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03922.3p miR	TJU_CMC.ID03922.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03923.3p miR	TJU_CMC.ID03923.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03924.5p miR	TJU_CMC.ID03924.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03925.3p miR	TJU_CMC.ID03925.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03926.3p miR	TJU_CMC.ID03926.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03927.3p miR	TJU_CMC.ID03927.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03928.5p miR	TJU_CMC.ID03928.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03929.5p miR	TJU_CMC.ID03929.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03930.3p miR	TJU_CMC.ID03930.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03931.5p miR	TJU_CMC.ID03931.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03932.3p miR	TJU_CMC.ID03932.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03933.5p miR	TJU_CMC.ID03933.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03934.5p miR	TJU_CMC.ID03934.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03935.5p miR	TJU_CMC.ID03935.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03936.5p miR	TJU_CMC.ID03936.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03937.5p miR	TJU_CMC.ID03937.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03938.3p miR	TJU_CMC.ID03938.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID03939.3p miR	TJU_CMC.ID03939.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03940.5p miR	TJU_CMC.ID03940.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID03941.3p miR	TJU_CMC.ID03941.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03942.5p miR	TJU_CMC.ID03942.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03943.5p miR	TJU_CMC.ID03943.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03944.3p miR	TJU_CMC.ID03944.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03945.5p miR	TJU_CMC.ID03945.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03946.3p miR	TJU_CMC.ID03946.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03947.5p miR	TJU_CMC.ID03947.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID03948.5p miR	TJU_CMC.ID03948.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03949.3p miR	TJU_CMC.ID03949.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03950.3p miR	TJU_CMC.ID03950.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03951.3p miR	TJU_CMC.ID03951.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03952.5p miR	TJU_CMC.ID03952.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03953.3p miR	TJU_CMC.ID03953.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID03954.3p miR	TJU_CMC.ID03954.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID03955.3p miR	TJU_CMC.ID03955.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03956.5p miR	TJU_CMC.ID03956.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03957.5p miR	TJU_CMC.ID03957.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03958.5p miR	TJU_CMC.ID03958.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03959.3p miR	TJU_CMC.ID03959.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03960.5p miR	TJU_CMC.ID03960.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03961.5p miR	TJU_CMC.ID03961.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03962.5p miR	TJU_CMC.ID03962.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03963.5p miR	TJU_CMC.ID03963.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03964.5p miR	TJU_CMC.ID03964.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03965.3p miR	TJU_CMC.ID03965.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03966.3p miR	TJU_CMC.ID03966.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03967.3p miR	TJU_CMC.ID03967.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03968.3p miR	TJU_CMC.ID03968.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID03969.5p miR	TJU_CMC.ID03969.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03970.3p miR	TJU_CMC.ID03970.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03971.5p miR	TJU_CMC.ID03971.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03972.3p miR	TJU_CMC.ID03972.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03973.3p miR	TJU_CMC.ID03973.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03974.3p miR	TJU_CMC.ID03974.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03975.3p miR	TJU_CMC.ID03975.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03976.3p miR	TJU_CMC.ID03976.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03977.3p miR	TJU_CMC.ID03977.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03978.3p miR	TJU_CMC.ID03978.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03979.5p miR	TJU_CMC.ID03979.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03980.3p miR	TJU_CMC.ID03980.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03981.5p miR	TJU_CMC.ID03981.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03982.5p miR	TJU_CMC.ID03982.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03983.5p miR	TJU_CMC.ID03983.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03984.3p miR	TJU_CMC.ID03984.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03985.3p miR	TJU_CMC.ID03985.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03986.3p miR	TJU_CMC.ID03986.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03987.5p miR	TJU_CMC.ID03987.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID03988.3p miR	TJU_CMC.ID03988.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03989.3p miR	TJU_CMC.ID03989.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03990.3p miR	TJU_CMC.ID03990.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID03991.3p miR	TJU_CMC.ID03991.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03992.3p miR	TJU_CMC.ID03992.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03993.5p miR	TJU_CMC.ID03993.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID03994.5p miR	TJU_CMC.ID03994.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID03995.3p miR	TJU_CMC.ID03995.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03996.3p miR	TJU_CMC.ID03996.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID03997.5p miR	TJU_CMC.ID03997.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03998.5p miR	TJU_CMC.ID03998.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID03999.3p miR	TJU_CMC.ID03999.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04000.5p miR	TJU_CMC.ID04000.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID04001.3p miR	TJU_CMC.ID04001.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04002.5p miR	TJU_CMC.ID04002.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04003.5p miR	TJU_CMC.ID04003.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04004.5p miR	TJU_CMC.ID04004.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04005.5p miR	TJU_CMC.ID04005.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04006.5p miR	TJU_CMC.ID04006.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04007.5p miR	TJU_CMC.ID04007.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04008.3p miR	TJU_CMC.ID04008.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04009.5p miR	TJU_CMC.ID04009.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04010.5p miR	TJU_CMC.ID04010.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04011.5p miR	TJU_CMC.ID04011.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04012.3p miR	TJU_CMC.ID04012.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04013.3p miR	TJU_CMC.ID04013.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04014.5p miR	TJU_CMC.ID04014.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04015.5p miR	TJU_CMC.ID04015.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04016.5p miR	TJU_CMC.ID04016.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04017.5p miR	TJU_CMC.ID04017.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04018.5p miR	TJU_CMC.ID04018.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04019.3p miR	TJU_CMC.ID04019.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04020.3p miR	TJU_CMC.ID04020.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04021.3p miR	TJU_CMC.ID04021.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04022.3p miR	TJU_CMC.ID04022.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04023.5p miR	TJU_CMC.ID04023.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04024.3p miR	TJU_CMC.ID04024.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04025.3p miR	TJU_CMC.ID04025.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04026.3p miR	TJU_CMC.ID04026.hairpin	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID04027.3p miR	TJU_CMC.ID04027.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04028.5p miR	TJU_CMC.ID04028.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04029.3p miR	TJU_CMC.ID04029.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04030.5p miR	TJU_CMC.ID04030.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04031.3p miR	TJU_CMC.ID04031.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04032.3p miR	TJU_CMC.ID04032.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04033.3p miR	TJU_CMC.ID04033.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04034.3p miR	TJU_CMC.ID04034.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04035.3p miR	TJU_CMC.ID04035.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04036.5p miR	TJU_CMC.ID04036.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04037.3p miR	TJU_CMC.ID04037.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04038.5p miR	TJU_CMC.ID04038.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04039.5p miR	TJU_CMC.ID04039.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04040.3p miR	TJU_CMC.ID04040.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04041.5p miR	TJU_CMC.ID04041.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04042.5p miR	TJU_CMC.ID04042.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04043.3p miR	TJU_CMC.ID04043.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04044.3p miR	TJU_CMC.ID04044.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04045.5p miR	TJU_CMC.ID04045.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04046.3p miR	TJU_CMC.ID04046.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04047.3p miR	TJU_CMC.ID04047.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04048.5p miR	TJU_CMC.ID04048.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04049.3p miR	TJU_CMC.ID04049.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04050.3p miR	TJU_CMC.ID04050.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04051.5p miR	TJU_CMC.ID04051.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04052.3p miR	TJU_CMC.ID04052.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04053.5p miR	TJU_CMC.ID04053.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04054.3p miR	TJU_CMC.ID04054.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04055.5p miR	TJU_CMC.ID04055.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04056.5p miR	TJU_CMC.ID04056.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04057.3p miR	TJU_CMC.ID04057.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04058.5p miR	TJU_CMC.ID04058.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04059.5p miR	TJU_CMC.ID04059.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04060.5p miR	TJU_CMC.ID04060.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04061.3p miR	TJU_CMC.ID04061.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04062.3p miR	TJU_CMC.ID04062.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID04063.5p miR	TJU_CMC.ID04063.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04064.3p miR	TJU_CMC.ID04064.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04065.3p miR	TJU_CMC.ID04065.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04066.5p miR	TJU_CMC.ID04066.hairpin	YES	NO NO	NO	YES	NO	NO	NO	
TJU_CMC.ID04067.3p miR	TJU_CMC.ID04067.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04068.5p miR	TJU_CMC.ID04068.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04069.5p miR	TJU_CMC.ID04069.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04070.5p miR	TJU_CMC.ID04070.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04071.5p miR	TJU_CMC.ID04071.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04072.5p miR	TJU_CMC.ID04072.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04073.5p miR	TJU_CMC.ID04073.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04074.3p miR	TJU_CMC.ID04074.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04075.5p miR	TJU_CMC.ID04075.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04076.3p miR	TJU_CMC.ID04076.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04077.5p miR	TJU_CMC.ID04077.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04078.3p miR	TJU_CMC.ID04078.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04079.5p miR	TJU_CMC.ID04079.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04080.5p miR	TJU_CMC.ID04080.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04081.3p miR	TJU_CMC.ID04081.hairpin	YES	NO NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04082.3p miR	TJU_CMC.ID04082.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04083.3p miR	TJU_CMC.ID04083.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04084.5p miR	TJU_CMC.ID04084.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04085.3p miR	TJU_CMC.ID04085.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04086.3p miR	TJU_CMC.ID04086.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04087.5p miR	TJU_CMC.ID04087.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04088.5p miR	TJU_CMC.ID04088.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04089.5p miR	TJU_CMC.ID04089.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04090.3p miR	TJU_CMC.ID04090.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04091.5p miR	TJU_CMC.ID04091.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04092.3p miR	TJU_CMC.ID04092.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04093.3p miR	TJU_CMC.ID04093.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04094.3p miR	TJU_CMC.ID04094.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04095.5p miR	TJU_CMC.ID04095.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04096.5p miR	TJU_CMC.ID04096.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04097.3p miR	TJU_CMC.ID04097.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04098.5p miR	TJU_CMC.ID04098.hairpin	YES	YES YES	YES	NO	NO	NO	NO	

TJU_CMC.ID04099.5p miR	TJU_CMC.ID04099.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04100.5p miR	TJU_CMC.ID04100.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04101.5p miR	TJU_CMC.ID04101.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04102.3p miR	TJU_CMC.ID04102.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04103.5p miR	TJU_CMC.ID04103.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04104.5p miR	TJU_CMC.ID04104.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04105.5p miR	TJU_CMC.ID04105.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04106.3p miR	TJU_CMC.ID04106.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04107.3p miR	TJU_CMC.ID04107.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04108.3p miR	TJU_CMC.ID04108.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04109.5p miR	TJU_CMC.ID04109.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04110.3p miR	TJU_CMC.ID04110.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04111.5p miR	TJU_CMC.ID04111.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04112.5p miR	TJU_CMC.ID04112.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04113.5p miR	TJU_CMC.ID04113.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04114.3p miR	TJU_CMC.ID04114.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04115.3p miR	TJU_CMC.ID04115.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04116.5p miR	TJU_CMC.ID04116.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04117.5p miR	TJU_CMC.ID04117.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04118.3p miR	TJU_CMC.ID04118.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04119.3p miR	TJU_CMC.ID04119.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04120.5p miR	TJU_CMC.ID04120.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04121.3p miR	TJU_CMC.ID04121.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04122.3p miR	TJU_CMC.ID04122.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04123.3p miR	TJU_CMC.ID04123.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04124.5p miR	TJU_CMC.ID04124.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04125.3p miR	TJU_CMC.ID04125.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04126.3p miR	TJU_CMC.ID04126.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04127.3p miR	TJU_CMC.ID04127.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04128.3p miR	TJU_CMC.ID04128.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04129.3p miR	TJU_CMC.ID04129.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04130.5p miR	TJU_CMC.ID04130.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04131.5p miR	TJU_CMC.ID04131.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04132.3p miR	TJU_CMC.ID04132.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04133.5p miR	TJU_CMC.ID04133.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04134.3p miR	TJU_CMC.ID04134.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID04135.5p miR	TJU_CMC.ID04135.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04136.5p miR	TJU_CMC.ID04136.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04137.5p miR	TJU_CMC.ID04137.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04138.3p miR	TJU_CMC.ID04138.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04139.3p miR	TJU_CMC.ID04139.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04140.3p miR	TJU_CMC.ID04140.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04141.3p miR	TJU_CMC.ID04141.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04142.3p miR	TJU_CMC.ID04142.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04143.3p miR	TJU_CMC.ID04143.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04144.5p miR	TJU_CMC.ID04144.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04145.5p miR	TJU_CMC.ID04145.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04146.5p miR	TJU_CMC.ID04146.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04147.3p miR	TJU_CMC.ID04147.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04148.3p miR	TJU_CMC.ID04148.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04149.5p miR	TJU_CMC.ID04149.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04150.3p miR	TJU_CMC.ID04150.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04151.3p miR	TJU_CMC.ID04151.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04152.3p miR	TJU_CMC.ID04152.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04153.3p miR	TJU_CMC.ID04153.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04154.5p miR	TJU_CMC.ID04154.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04155.5p miR	TJU_CMC.ID04155.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04156.3p miR	TJU_CMC.ID04156.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04157.3p miR	TJU_CMC.ID04157.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04158.5p miR	TJU_CMC.ID04158.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04159.3p miR	TJU_CMC.ID04159.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04160.3p miR	TJU_CMC.ID04160.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04161.3p miR	TJU_CMC.ID04161.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04162.3p miR	TJU_CMC.ID04162.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04163.3p miR	TJU_CMC.ID04163.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04164.5p miR	TJU_CMC.ID04164.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04165.3p miR	TJU_CMC.ID04165.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04166.5p miR	TJU_CMC.ID04166.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04167.3p miR	TJU_CMC.ID04167.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04168.5p miR	TJU_CMC.ID04168.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04169.3p miR	TJU_CMC.ID04169.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04170.3p miR	TJU_CMC.ID04170.hairpin	YES	NO NO	NO	NO	NO	NO	NO	

TJU_CMC.ID04171.3p miR	TJU_CMC.ID04171.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04172.5p miR	TJU_CMC.ID04172.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04173.3p miR	TJU_CMC.ID04173.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04174.5p miR	TJU_CMC.ID04174.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04175.5p miR	TJU_CMC.ID04175.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04176.3p miR	TJU_CMC.ID04176.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04177.3p miR	TJU_CMC.ID04177.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04178.3p miR	TJU_CMC.ID04178.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04179.3p miR	TJU_CMC.ID04179.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04180.3p miR	TJU_CMC.ID04180.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04181.3p miR	TJU_CMC.ID04181.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04182.3p miR	TJU_CMC.ID04182.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04183.5p miR	TJU_CMC.ID04183.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04184.3p miR	TJU_CMC.ID04184.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04185.3p miR	TJU_CMC.ID04185.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04186.3p miR	TJU_CMC.ID04186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04187.3p miR	TJU_CMC.ID04187.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04188.3p miR	TJU_CMC.ID04188.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04189.3p miR	TJU_CMC.ID04189.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04190.5p miR	TJU_CMC.ID04190.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04191.3p miR	TJU_CMC.ID04191.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04192.3p miR	TJU_CMC.ID04192.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04193.5p miR	TJU_CMC.ID04193.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04194.5p miR	TJU_CMC.ID04194.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04195.3p miR	TJU_CMC.ID04195.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04196.3p miR	TJU_CMC.ID04196.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04197.5p miR	TJU_CMC.ID04197.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04198.3p miR	TJU_CMC.ID04198.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04199.3p miR	TJU_CMC.ID04199.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04200.5p miR	TJU_CMC.ID04200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04201.3p miR	TJU_CMC.ID04201.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04202.5p miR	TJU_CMC.ID04202.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04203.3p miR	TJU_CMC.ID04203.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04204.3p miR	TJU_CMC.ID04204.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04205.3p miR	TJU_CMC.ID04205.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04206.5p miR	TJU_CMC.ID04206.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID04207.5p miR	TJU_CMC.ID04207.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04208.3p miR	TJU_CMC.ID04208.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04209.5p miR	TJU_CMC.ID04209.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04210.3p miR	TJU_CMC.ID04210.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04211.3p miR	TJU_CMC.ID04211.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04212.5p miR	TJU_CMC.ID04212.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04213.5p miR	TJU_CMC.ID04213.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04214.5p miR	TJU_CMC.ID04214.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04215.3p miR	TJU_CMC.ID04215.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04216.3p miR	TJU_CMC.ID04216.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04217.5p miR	TJU_CMC.ID04217.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04218.5p miR	TJU_CMC.ID04218.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04219.5p miR	TJU_CMC.ID04219.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04220.3p miR	TJU_CMC.ID04220.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04221.3p miR	TJU_CMC.ID04221.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04222.3p miR	TJU_CMC.ID04222.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04223.5p miR	TJU_CMC.ID04223.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04224.3p miR	TJU_CMC.ID04224.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04225.5p miR	TJU_CMC.ID04225.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04226.3p miR	TJU_CMC.ID04226.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04227.5p miR	TJU_CMC.ID04227.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID04228.3p miR	TJU_CMC.ID04228.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04229.5p miR	TJU_CMC.ID04229.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04230.3p miR	TJU_CMC.ID04230.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04231.5p miR	TJU_CMC.ID04231.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04232.3p miR	TJU_CMC.ID04232.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID04233.3p miR	TJU_CMC.ID04233.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04234.3p miR	TJU_CMC.ID04234.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04235.3p miR	TJU_CMC.ID04235.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04236.5p miR	TJU_CMC.ID04236.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04237.3p miR	TJU_CMC.ID04237.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04238.5p miR	TJU_CMC.ID04238.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04239.3p miR	TJU_CMC.ID04239.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04240.5p miR	TJU_CMC.ID04240.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04241.3p miR	TJU_CMC.ID04241.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04242.5p miR	TJU_CMC.ID04242.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID04243.3p miR	TJU_CMC.ID04243.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID04244.5p miR	TJU_CMC.ID04244.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04245.3p miR	TJU_CMC.ID04245.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04246.5p miR	TJU_CMC.ID04246.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID04247.5p miR	TJU_CMC.ID04247.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04248.5p miR	TJU_CMC.ID04248.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04249.3p miR	TJU_CMC.ID04249.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04250.5p miR	TJU_CMC.ID04250.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04251.5p miR	TJU_CMC.ID04251.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04252.3p miR	TJU_CMC.ID04252.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04253.5p miR	TJU_CMC.ID04253.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID04254.5p miR	TJU_CMC.ID04254.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04255.3p miR	TJU_CMC.ID04255.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04256.5p miR	TJU_CMC.ID04256.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04257.3p miR	TJU_CMC.ID04257.hairpin	YES	YES NO	NO	YES	NO	NO	NO
TJU_CMC.ID04258.5p miR	TJU_CMC.ID04258.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04259.3p miR	TJU_CMC.ID04259.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04260.5p miR	TJU_CMC.ID04260.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID04261.3p miR	TJU_CMC.ID04261.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID04262.5p miR	TJU_CMC.ID04262.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04263.5p miR	TJU_CMC.ID04263.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04264.5p miR	TJU_CMC.ID04264.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04265.5p miR	TJU_CMC.ID04265.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04266.5p miR	TJU_CMC.ID04266.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID04267.5p miR	TJU_CMC.ID04267.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04268.5p miR	TJU_CMC.ID04268.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID04269.5p miR	TJU_CMC.ID04269.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04270.3p miR	TJU_CMC.ID04270.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04271.5p miR	TJU_CMC.ID04271.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID04272.3p miR	TJU_CMC.ID04272.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04273.3p miR	TJU_CMC.ID04273.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04274.3p miR	TJU_CMC.ID04274.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04275.3p miR	TJU_CMC.ID04275.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04276.5p miR	TJU_CMC.ID04276.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04277.5p miR	TJU_CMC.ID04277.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04278.5p miR	TJU_CMC.ID04278.hairpin	YES	YES YES	YES	NO	NO	NO	NO

TJU_CMC.ID04279.3p miR	TJU_CMC.ID04279.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04280.5p miR	TJU_CMC.ID04280.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04281.5p miR	TJU_CMC.ID04281.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04282.3p miR	TJU_CMC.ID04282.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04283.3p miR	TJU_CMC.ID04283.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04284.5p miR	TJU_CMC.ID04284.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04285.5p miR	TJU_CMC.ID04285.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04286.5p miR	TJU_CMC.ID04286.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04287.5p miR	TJU_CMC.ID04287.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04288.3p miR	TJU_CMC.ID04288.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04289.5p miR	TJU_CMC.ID04289.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04290.5p miR	TJU_CMC.ID04290.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04291.5p miR	TJU_CMC.ID04291.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04292.3p miR	TJU_CMC.ID04292.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04293.5p miR	TJU_CMC.ID04293.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04294.3p miR	TJU_CMC.ID04294.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04295.5p miR	TJU_CMC.ID04295.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04296.3p miR	TJU_CMC.ID04296.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04297.3p miR	TJU_CMC.ID04297.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04298.5p miR	TJU_CMC.ID04298.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04299.5p miR	TJU_CMC.ID04299.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04300.3p miR	TJU_CMC.ID04300.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04301.3p miR	TJU_CMC.ID04301.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04302.5p miR	TJU_CMC.ID04302.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04303.5p miR	TJU_CMC.ID04303.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04304.5p miR	TJU_CMC.ID04304.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04305.5p miR	TJU_CMC.ID04305.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04306.3p miR	TJU_CMC.ID04306.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04307.3p miR	TJU_CMC.ID04307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04308.5p miR	TJU_CMC.ID04308.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04309.5p miR	TJU_CMC.ID04309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04310.5p miR	TJU_CMC.ID04310.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04311.3p miR	TJU_CMC.ID04311.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04312.3p miR	TJU_CMC.ID04312.hairpin	YES	YES YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04313.5p miR	TJU_CMC.ID04313.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04314.5p miR	TJU_CMC.ID04314.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	

TJU_CMC.ID04315.3p miR	TJU_CMC.ID04315.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04316.3p miR	TJU_CMC.ID04316.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04317.5p miR	TJU_CMC.ID04317.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04318.3p miR	TJU_CMC.ID04318.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04319.3p miR	TJU_CMC.ID04319.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04320.3p miR	TJU_CMC.ID04320.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04321.5p miR	TJU_CMC.ID04321.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04322.5p miR	TJU_CMC.ID04322.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04323.5p miR	TJU_CMC.ID04323.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04324.5p miR	TJU_CMC.ID04324.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04325.3p miR	TJU_CMC.ID04325.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04326.5p miR	TJU_CMC.ID04326.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04327.3p miR	TJU_CMC.ID04327.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04328.3p miR	TJU_CMC.ID04328.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04329.3p miR	TJU_CMC.ID04329.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04330.5p miR	TJU_CMC.ID04330.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04331.3p miR	TJU_CMC.ID04331.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04332.5p miR	TJU_CMC.ID04332.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04333.5p miR	TJU_CMC.ID04333.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04334.3p miR	TJU_CMC.ID04334.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04335.3p miR	TJU_CMC.ID04335.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04336.5p miR	TJU_CMC.ID04336.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04337.3p miR	TJU_CMC.ID04337.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04338.3p miR	TJU_CMC.ID04338.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04339.3p miR	TJU_CMC.ID04339.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04340.5p miR	TJU_CMC.ID04340.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04341.5p miR	TJU_CMC.ID04341.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04342.5p miR	TJU_CMC.ID04342.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04343.5p miR	TJU_CMC.ID04343.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04344.3p miR	TJU_CMC.ID04344.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04345.3p miR	TJU_CMC.ID04345.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04346.3p miR	TJU_CMC.ID04346.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04347.5p miR	TJU_CMC.ID04347.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04348.5p miR	TJU_CMC.ID04348.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04349.5p miR	TJU_CMC.ID04349.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04350.3p miR	TJU_CMC.ID04350.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID04351.5p miR	TJU_CMC.ID04351.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04352.3p miR	TJU_CMC.ID04352.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04353.3p miR	TJU_CMC.ID04353.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04354.3p miR	TJU_CMC.ID04354.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04355.3p miR	TJU_CMC.ID04355.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04356.5p miR	TJU_CMC.ID04356.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04357.3p miR	TJU_CMC.ID04357.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04358.5p miR	TJU_CMC.ID04358.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04359.3p miR	TJU_CMC.ID04359.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04360.3p miR	TJU_CMC.ID04360.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04361.5p miR	TJU_CMC.ID04361.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04362.5p miR	TJU_CMC.ID04362.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04363.3p miR	TJU_CMC.ID04363.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04364.3p miR	TJU_CMC.ID04364.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04365.3p miR	TJU_CMC.ID04365.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04366.3p miR	TJU_CMC.ID04366.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04367.3p miR	TJU_CMC.ID04367.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04368.3p miR	TJU_CMC.ID04368.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04369.3p miR	TJU_CMC.ID04369.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04370.5p miR	TJU_CMC.ID04370.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04371.3p miR	TJU_CMC.ID04371.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04372.3p miR	TJU_CMC.ID04372.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04373.5p miR	TJU_CMC.ID04373.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04374.3p miR	TJU_CMC.ID04374.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04375.3p miR	TJU_CMC.ID04375.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04376.5p miR	TJU_CMC.ID04376.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04377.5p miR	TJU_CMC.ID04377.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04378.3p miR	TJU_CMC.ID04378.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04379.3p miR	TJU_CMC.ID04379.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04380.5p miR	TJU_CMC.ID04380.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04381.3p miR	TJU_CMC.ID04381.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04382.5p miR	TJU_CMC.ID04382.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04383.3p miR	TJU_CMC.ID04383.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04384.3p miR	TJU_CMC.ID04384.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04385.5p miR	TJU_CMC.ID04385.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04386.3p miR	TJU_CMC.ID04386.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID04387.5p miR	TJU_CMC.ID04387.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04388.3p miR	TJU_CMC.ID04388.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04389.5p miR	TJU_CMC.ID04389.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04390.5p miR	TJU_CMC.ID04390.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04391.3p miR	TJU_CMC.ID04391.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04392.5p miR	TJU_CMC.ID04392.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04393.5p miR	TJU_CMC.ID04393.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04394.3p miR	TJU_CMC.ID04394.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04395.5p miR	TJU_CMC.ID04395.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04396.5p miR	TJU_CMC.ID04396.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04397.5p miR	TJU_CMC.ID04397.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04398.5p miR	TJU_CMC.ID04398.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04399.3p miR	TJU_CMC.ID04399.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04400.3p miR	TJU_CMC.ID04400.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04401.5p miR	TJU_CMC.ID04401.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04402.5p miR	TJU_CMC.ID04402.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04403.5p miR	TJU_CMC.ID04403.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04404.3p miR	TJU_CMC.ID04404.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04405.5p miR	TJU_CMC.ID04405.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04406.3p miR	TJU_CMC.ID04406.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04407.5p miR	TJU_CMC.ID04407.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04408.3p miR	TJU_CMC.ID04408.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04409.5p miR	TJU_CMC.ID04409.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04410.5p miR	TJU_CMC.ID04410.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04411.5p miR	TJU_CMC.ID04411.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04412.5p miR	TJU_CMC.ID04412.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04413.3p miR	TJU_CMC.ID04413.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04414.3p miR	TJU_CMC.ID04414.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04415.5p miR	TJU_CMC.ID04415.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04416.5p miR	TJU_CMC.ID04416.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04417.5p miR	TJU_CMC.ID04417.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04418.3p miR	TJU_CMC.ID04418.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04419.3p miR	TJU_CMC.ID04419.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04420.3p miR	TJU_CMC.ID04420.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04421.5p miR	TJU_CMC.ID04421.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04422.3p miR	TJU_CMC.ID04422.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID04423.3p miR	TJU_CMC.ID04423.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04424.5p miR	TJU_CMC.ID04424.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04425.3p miR	TJU_CMC.ID04425.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04426.3p miR	TJU_CMC.ID04426.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04427.3p miR	TJU_CMC.ID04427.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04428.3p miR	TJU_CMC.ID04428.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04429.3p miR	TJU_CMC.ID04429.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04430.3p miR	TJU_CMC.ID04430.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04431.3p miR	TJU_CMC.ID04431.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04432.3p miR	TJU_CMC.ID04432.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04433.5p miR	TJU_CMC.ID04433.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04434.5p miR	TJU_CMC.ID04434.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04435.5p miR	TJU_CMC.ID04435.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04436.5p miR	TJU_CMC.ID04436.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04437.3p miR	TJU_CMC.ID04437.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04438.3p miR	TJU_CMC.ID04438.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04439.5p miR	TJU_CMC.ID04439.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04440.5p miR	TJU_CMC.ID04440.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04441.3p miR	TJU_CMC.ID04441.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04442.5p miR	TJU_CMC.ID04442.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04443.3p miR	TJU_CMC.ID04443.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04444.3p miR	TJU_CMC.ID04444.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04445.3p miR	TJU_CMC.ID04445.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04446.3p miR	TJU_CMC.ID04446.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04447.5p miR	TJU_CMC.ID04447.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04448.3p miR	TJU_CMC.ID04448.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04449.5p miR	TJU_CMC.ID04449.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04450.3p miR	TJU_CMC.ID04450.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04451.3p miR	TJU_CMC.ID04451.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04452.3p miR	TJU_CMC.ID04452.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04453.5p miR	TJU_CMC.ID04453.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04454.5p miR	TJU_CMC.ID04454.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04455.3p miR	TJU_CMC.ID04455.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04456.5p miR	TJU_CMC.ID04456.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04457.5p miR	TJU_CMC.ID04457.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04458.3p miR	TJU_CMC.ID04458.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID04459.5p miR	TJU_CMC.ID04459.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04460.5p miR	TJU_CMC.ID04460.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04461.3p miR	TJU_CMC.ID04461.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04462.3p miR	TJU_CMC.ID04462.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04463.3p miR	TJU_CMC.ID04463.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04464.3p miR	TJU_CMC.ID04464.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04465.3p miR	TJU_CMC.ID04465.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04466.3p miR	TJU_CMC.ID04466.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04467.5p miR	TJU_CMC.ID04467.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04468.5p miR	TJU_CMC.ID04468.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04469.3p miR	TJU_CMC.ID04469.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04470.5p miR	TJU_CMC.ID04470.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04471.3p miR	TJU_CMC.ID04471.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04472.3p miR	TJU_CMC.ID04472.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04473.3p miR	TJU_CMC.ID04473.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04474.3p miR	TJU_CMC.ID04474.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04475.5p miR	TJU_CMC.ID04475.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04476.5p miR	TJU_CMC.ID04476.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04477.5p miR	TJU_CMC.ID04477.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04478.3p miR	TJU_CMC.ID04478.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04479.5p miR	TJU_CMC.ID04479.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04480.5p miR	TJU_CMC.ID04480.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID04481.3p miR	TJU_CMC.ID04481.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04482.5p miR	TJU_CMC.ID04482.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04483.3p miR	TJU_CMC.ID04483.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04484.5p miR	TJU_CMC.ID04484.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04485.3p miR	TJU_CMC.ID04485.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04486.3p miR	TJU_CMC.ID04486.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04487.3p miR	TJU_CMC.ID04487.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04488.5p miR	TJU_CMC.ID04488.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04489.5p miR	TJU_CMC.ID04489.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04490.3p miR	TJU_CMC.ID04490.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04491.5p miR	TJU_CMC.ID04491.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04492.5p miR	TJU_CMC.ID04492.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04493.5p miR	TJU_CMC.ID04493.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04494.5p miR	TJU_CMC.ID04494.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID04495.3p miR	TJU_CMC.ID04495.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04496.3p miR	TJU_CMC.ID04496.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04497.5p miR	TJU_CMC.ID04497.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04498.3p miR	TJU_CMC.ID04498.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04499.5p miR	TJU_CMC.ID04499.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04500.3p miR	TJU_CMC.ID04500.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04501.5p miR	TJU_CMC.ID04501.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04502.5p miR	TJU_CMC.ID04502.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04503.3p miR	TJU_CMC.ID04503.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04504.3p miR	TJU_CMC.ID04504.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04505.3p miR	TJU_CMC.ID04505.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04506.5p miR	TJU_CMC.ID04506.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04507.5p miR	TJU_CMC.ID04507.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04508.3p miR	TJU_CMC.ID04508.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04509.5p miR	TJU_CMC.ID04509.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04510.3p miR	TJU_CMC.ID04510.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04511.3p miR	TJU_CMC.ID04511.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04512.5p miR	TJU_CMC.ID04512.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04513.5p miR	TJU_CMC.ID04513.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04514.5p miR	TJU_CMC.ID04514.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04515.5p miR	TJU_CMC.ID04515.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04516.5p miR	TJU_CMC.ID04516.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04517.3p miR	TJU_CMC.ID04517.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04518.3p miR	TJU_CMC.ID04518.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04519.5p miR	TJU_CMC.ID04519.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04520.3p miR	TJU_CMC.ID04520.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04521.5p miR	TJU_CMC.ID04521.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04522.3p miR	TJU_CMC.ID04522.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04523.5p miR	TJU_CMC.ID04523.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04524.3p miR	TJU_CMC.ID04524.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04525.3p miR	TJU_CMC.ID04525.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04526.5p miR	TJU_CMC.ID04526.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04527.3p miR	TJU_CMC.ID04527.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04528.5p miR	TJU_CMC.ID04528.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04529.5p miR	TJU_CMC.ID04529.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04530.3p miR	TJU_CMC.ID04530.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID04531.5p miR	TJU_CMC.ID04531.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04532.5p miR	TJU_CMC.ID04532.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04533.5p miR	TJU_CMC.ID04533.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04534.3p miR	TJU_CMC.ID04534.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04535.5p miR	TJU_CMC.ID04535.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04536.3p miR	TJU_CMC.ID04536.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04537.5p miR	TJU_CMC.ID04537.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04538.3p miR	TJU_CMC.ID04538.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04539.5p miR	TJU_CMC.ID04539.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04540.5p miR	TJU_CMC.ID04540.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04541.5p miR	TJU_CMC.ID04541.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04542.3p miR	TJU_CMC.ID04542.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04543.3p miR	TJU_CMC.ID04543.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04544.5p miR	TJU_CMC.ID04544.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04545.5p miR	TJU_CMC.ID04545.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04546.5p miR	TJU_CMC.ID04546.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04547.3p miR	TJU_CMC.ID04547.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04548.5p miR	TJU_CMC.ID04548.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04549.5p miR	TJU_CMC.ID04549.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04550.5p miR	TJU_CMC.ID04550.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04551.5p miR	TJU_CMC.ID04551.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04552.3p miR	TJU_CMC.ID04552.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04553.3p miR	TJU_CMC.ID04553.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04554.5p miR	TJU_CMC.ID04554.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04555.5p miR	TJU_CMC.ID04555.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04556.3p miR	TJU_CMC.ID04556.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04557.5p miR	TJU_CMC.ID04557.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04558.3p miR	TJU_CMC.ID04558.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04559.5p miR	TJU_CMC.ID04559.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04560.3p miR	TJU_CMC.ID04560.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04561.5p miR	TJU_CMC.ID04561.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04562.5p miR	TJU_CMC.ID04562.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04563.3p miR	TJU_CMC.ID04563.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04564.3p miR	TJU_CMC.ID04564.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04565.5p miR	TJU_CMC.ID04565.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04566.5p miR	TJU_CMC.ID04566.hairpin	YES	YES YES	YES	NO	NO	NO	NO	

TJU_CMC.ID04567.3p miR	TJU_CMC.ID04567.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04568.3p miR	TJU_CMC.ID04568.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04569.5p miR	TJU_CMC.ID04569.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04570.5p miR	TJU_CMC.ID04570.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04571.3p miR	TJU_CMC.ID04571.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04572.5p miR	TJU_CMC.ID04572.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04573.3p miR	TJU_CMC.ID04573.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04574.5p miR	TJU_CMC.ID04574.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04575.5p miR	TJU_CMC.ID04575.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04576.5p miR	TJU_CMC.ID04576.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04577.3p miR	TJU_CMC.ID04577.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID04578.3p miR	TJU_CMC.ID04578.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04579.5p miR	TJU_CMC.ID04579.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04580.5p miR	TJU_CMC.ID04580.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04581.5p miR	TJU_CMC.ID04581.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04582.3p miR	TJU_CMC.ID04582.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04583.5p miR	TJU_CMC.ID04583.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04584.3p miR	TJU_CMC.ID04584.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04585.3p miR	TJU_CMC.ID04585.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04586.3p miR	TJU_CMC.ID04586.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04587.5p miR	TJU_CMC.ID04587.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04588.3p miR	TJU_CMC.ID04588.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04589.3p miR	TJU_CMC.ID04589.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04590.3p miR	TJU_CMC.ID04590.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04591.3p miR	TJU_CMC.ID04591.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04592.3p miR	TJU_CMC.ID04592.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04593.3p miR	TJU_CMC.ID04593.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04594.5p miR	TJU_CMC.ID04594.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04595.3p miR	TJU_CMC.ID04595.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04596.5p miR	TJU_CMC.ID04596.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04597.5p miR	TJU_CMC.ID04597.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04598.3p miR	TJU_CMC.ID04598.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04599.3p miR	TJU_CMC.ID04599.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04600.5p miR	TJU_CMC.ID04600.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04601.3p miR	TJU_CMC.ID04601.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04602.3p miR	TJU_CMC.ID04602.hairpin	YES	YES YES	NO	NO	NO	NO	NO	

TJU_CMC.ID04603.3p miR	TJU_CMC.ID04603.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04604.5p miR	TJU_CMC.ID04604.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04605.5p miR	TJU_CMC.ID04605.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04606.5p miR	TJU_CMC.ID04606.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04607.3p miR	TJU_CMC.ID04607.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04608.3p miR	TJU_CMC.ID04608.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04609.5p miR	TJU_CMC.ID04609.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04610.3p miR	TJU_CMC.ID04610.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04611.5p miR	TJU_CMC.ID04611.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04612.3p miR	TJU_CMC.ID04612.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04613.3p miR	TJU_CMC.ID04613.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04614.5p miR	TJU_CMC.ID04614.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04615.3p miR	TJU_CMC.ID04615.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04616.3p miR	TJU_CMC.ID04616.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04617.3p miR	TJU_CMC.ID04617.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04618.3p miR	TJU_CMC.ID04618.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04619.5p miR	TJU_CMC.ID04619.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04620.5p miR	TJU_CMC.ID04620.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04621.5p miR	TJU_CMC.ID04621.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04622.3p miR	TJU_CMC.ID04622.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04623.3p miR	TJU_CMC.ID04623.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04624.5p miR	TJU_CMC.ID04624.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04625.3p miR	TJU_CMC.ID04625.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04626.3p miR	TJU_CMC.ID04626.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04627.3p miR	TJU_CMC.ID04627.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04628.5p miR	TJU_CMC.ID04628.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04629.5p miR	TJU_CMC.ID04629.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04630.3p miR	TJU_CMC.ID04630.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04631.5p miR	TJU_CMC.ID04631.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04632.3p miR	TJU_CMC.ID04632.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04633.3p miR	TJU_CMC.ID04633.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04634.3p miR	TJU_CMC.ID04634.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04635.5p miR	TJU_CMC.ID04635.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04636.5p miR	TJU_CMC.ID04636.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04637.5p miR	TJU_CMC.ID04637.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04638.3p miR	TJU_CMC.ID04638.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID04639.5p miR	TJU_CMC.ID04639.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04640.3p miR	TJU_CMC.ID04640.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04641.5p miR	TJU_CMC.ID04641.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04642.5p miR	TJU_CMC.ID04642.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04643.5p miR	TJU_CMC.ID04643.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04644.3p miR	TJU_CMC.ID04644.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04645.5p miR	TJU_CMC.ID04645.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04646.5p miR	TJU_CMC.ID04646.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04647.3p miR	TJU_CMC.ID04647.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04648.3p miR	TJU_CMC.ID04648.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04649.5p miR	TJU_CMC.ID04649.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04650.3p miR	TJU_CMC.ID04650.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04651.3p miR	TJU_CMC.ID04651.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04652.5p miR	TJU_CMC.ID04652.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04653.3p miR	TJU_CMC.ID04653.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04654.3p miR	TJU_CMC.ID04654.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04655.3p miR	TJU_CMC.ID04655.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04656.3p miR	TJU_CMC.ID04656.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04657.3p miR	TJU_CMC.ID04657.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04658.5p miR	TJU_CMC.ID04658.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04659.5p miR	TJU_CMC.ID04659.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04660.3p miR	TJU_CMC.ID04660.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04661.5p miR	TJU_CMC.ID04661.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04662.3p miR	TJU_CMC.ID04662.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04663.3p miR	TJU_CMC.ID04663.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04664.5p miR	TJU_CMC.ID04664.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04665.5p miR	TJU_CMC.ID04665.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04666.3p miR	TJU_CMC.ID04666.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04667.5p miR	TJU_CMC.ID04667.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04668.3p miR	TJU_CMC.ID04668.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04669.3p miR	TJU_CMC.ID04669.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04670.5p miR	TJU_CMC.ID04670.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04671.5p miR	TJU_CMC.ID04671.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04672.5p miR	TJU_CMC.ID04672.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04673.5p miR	TJU_CMC.ID04673.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04674.3p miR	TJU_CMC.ID04674.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID04675.5p miR	TJU_CMC.ID04675.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04676.3p miR	TJU_CMC.ID04676.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04677.5p miR	TJU_CMC.ID04677.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04678.5p miR	TJU_CMC.ID04678.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04679.3p miR	TJU_CMC.ID04679.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04680.5p miR	TJU_CMC.ID04680.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04681.3p miR	TJU_CMC.ID04681.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04682.3p miR	TJU_CMC.ID04682.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04683.5p miR	TJU_CMC.ID04683.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04684.5p miR	TJU_CMC.ID04684.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04685.5p miR	TJU_CMC.ID04685.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04686.5p miR	TJU_CMC.ID04686.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04687.3p miR	TJU_CMC.ID04687.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04688.5p miR	TJU_CMC.ID04688.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04689.3p miR	TJU_CMC.ID04689.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04690.3p miR	TJU_CMC.ID04690.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04691.5p miR	TJU_CMC.ID04691.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04692.3p miR	TJU_CMC.ID04692.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04693.3p miR	TJU_CMC.ID04693.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04694.3p miR	TJU_CMC.ID04694.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04695.5p miR	TJU_CMC.ID04695.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04696.3p miR	TJU_CMC.ID04696.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04697.3p miR	TJU_CMC.ID04697.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04698.5p miR	TJU_CMC.ID04698.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04699.3p miR	TJU_CMC.ID04699.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04700.3p miR	TJU_CMC.ID04700.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04701.5p miR	TJU_CMC.ID04701.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04702.3p miR	TJU_CMC.ID04702.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04703.5p miR	TJU_CMC.ID04703.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04704.3p miR	TJU_CMC.ID04704.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04705.3p miR	TJU_CMC.ID04705.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04706.3p miR	TJU_CMC.ID04706.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04707.3p miR	TJU_CMC.ID04707.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04708.5p miR	TJU_CMC.ID04708.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04709.5p miR	TJU_CMC.ID04709.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04710.3p miR	TJU_CMC.ID04710.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID04711.3p miR	TJU_CMC.ID04711.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04712.3p miR	TJU_CMC.ID04712.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04713.3p miR	TJU_CMC.ID04713.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04714.3p miR	TJU_CMC.ID04714.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04715.3p miR	TJU_CMC.ID04715.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04716.3p miR	TJU_CMC.ID04716.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04717.5p miR	TJU_CMC.ID04717.hairpin	YES	NO NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04718.3p miR	TJU_CMC.ID04718.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04719.5p miR	TJU_CMC.ID04719.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04720.5p miR	TJU_CMC.ID04720.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04721.5p miR	TJU_CMC.ID04721.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04722.5p miR	TJU_CMC.ID04722.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04723.3p miR	TJU_CMC.ID04723.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04724.3p miR	TJU_CMC.ID04724.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04725.5p miR	TJU_CMC.ID04725.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04726.5p miR	TJU_CMC.ID04726.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04727.5p miR	TJU_CMC.ID04727.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04728.3p miR	TJU_CMC.ID04728.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04729.5p miR	TJU_CMC.ID04729.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04730.3p miR	TJU_CMC.ID04730.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04731.3p miR	TJU_CMC.ID04731.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04732.3p miR	TJU_CMC.ID04732.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04733.5p miR	TJU_CMC.ID04733.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04734.3p miR	TJU_CMC.ID04734.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04735.5p miR	TJU_CMC.ID04735.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04736.3p miR	TJU_CMC.ID04736.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04737.5p miR	TJU_CMC.ID04737.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04738.3p miR	TJU_CMC.ID04738.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04739.3p miR	TJU_CMC.ID04739.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04740.3p miR	TJU_CMC.ID04740.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04741.5p miR	TJU_CMC.ID04741.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04742.3p miR	TJU_CMC.ID04742.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04743.3p miR	TJU_CMC.ID04743.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04744.3p miR	TJU_CMC.ID04744.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04745.3p miR	TJU_CMC.ID04745.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04746.5p miR	TJU_CMC.ID04746.hairpin	YES	YES YES	NO	YES	NO	NO	NO	

TJU_CMC.ID04747.5p miR	TJU_CMC.ID04747.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04748.3p miR	TJU_CMC.ID04748.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04749.5p miR	TJU_CMC.ID04749.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04750.5p miR	TJU_CMC.ID04750.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04751.5p miR	TJU_CMC.ID04751.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04752.3p miR	TJU_CMC.ID04752.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04753.3p miR	TJU_CMC.ID04753.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04754.3p miR	TJU_CMC.ID04754.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04755.3p miR	TJU_CMC.ID04755.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04756.5p miR	TJU_CMC.ID04756.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04757.3p miR	TJU_CMC.ID04757.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04758.3p miR	TJU_CMC.ID04758.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04759.3p miR	TJU_CMC.ID04759.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04760.5p miR	TJU_CMC.ID04760.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04761.3p miR	TJU_CMC.ID04761.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04762.5p miR	TJU_CMC.ID04762.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04763.3p miR	TJU_CMC.ID04763.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04764.5p miR	TJU_CMC.ID04764.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04765.3p miR	TJU_CMC.ID04765.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04766.5p miR	TJU_CMC.ID04766.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04767.3p miR	TJU_CMC.ID04767.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04768.3p miR	TJU_CMC.ID04768.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04769.5p miR	TJU_CMC.ID04769.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04770.3p miR	TJU_CMC.ID04770.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04771.3p miR	TJU_CMC.ID04771.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04772.3p miR	TJU_CMC.ID04772.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04773.3p miR	TJU_CMC.ID04773.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04774.3p miR	TJU_CMC.ID04774.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04775.3p miR	TJU_CMC.ID04775.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04776.3p miR	TJU_CMC.ID04776.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04777.3p miR	TJU_CMC.ID04777.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04778.3p miR	TJU_CMC.ID04778.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04779.3p miR	TJU_CMC.ID04779.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04780.5p miR	TJU_CMC.ID04780.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04781.5p miR	TJU_CMC.ID04781.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04782.5p miR	TJU_CMC.ID04782.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID04783.3p miR	TJU_CMC.ID04783.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04784.5p miR	TJU_CMC.ID04784.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04785.5p miR	TJU_CMC.ID04785.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04786.3p miR	TJU_CMC.ID04786.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04787.3p miR	TJU_CMC.ID04787.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04788.5p miR	TJU_CMC.ID04788.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04789.3p miR	TJU_CMC.ID04789.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04790.3p miR	TJU_CMC.ID04790.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04791.5p miR	TJU_CMC.ID04791.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04792.3p miR	TJU_CMC.ID04792.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04793.3p miR	TJU_CMC.ID04793.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04794.5p miR	TJU_CMC.ID04794.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04795.3p miR	TJU_CMC.ID04795.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04796.5p miR	TJU_CMC.ID04796.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID04797.5p miR	TJU_CMC.ID04797.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04798.3p miR	TJU_CMC.ID04798.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04799.3p miR	TJU_CMC.ID04799.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04800.5p miR	TJU_CMC.ID04800.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04801.3p miR	TJU_CMC.ID04801.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04802.5p miR	TJU_CMC.ID04802.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04803.5p miR	TJU_CMC.ID04803.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04804.5p miR	TJU_CMC.ID04804.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04805.5p miR	TJU_CMC.ID04805.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04806.5p miR	TJU_CMC.ID04806.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04807.5p miR	TJU_CMC.ID04807.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04808.5p miR	TJU_CMC.ID04808.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID04809.3p miR	TJU_CMC.ID04809.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04810.3p miR	TJU_CMC.ID04810.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04811.3p miR	TJU_CMC.ID04811.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04812.5p miR	TJU_CMC.ID04812.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04813.5p miR	TJU_CMC.ID04813.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04814.3p miR	TJU_CMC.ID04814.hairpin	YES	YES YES	NO	YES	YES	NO	NO	
TJU_CMC.ID04815.5p miR	TJU_CMC.ID04815.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04816.3p miR	TJU_CMC.ID04816.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04817.3p miR	TJU_CMC.ID04817.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04818.3p miR	TJU_CMC.ID04818.hairpin	YES	YES YES	NO	NO	NO	NO	NO	

TJU_CMC.ID04819.3p miR	TJU_CMC.ID04819.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04820.3p miR	TJU_CMC.ID04820.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04821.5p miR	TJU_CMC.ID04821.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04822.5p miR	TJU_CMC.ID04822.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04823.5p miR	TJU_CMC.ID04823.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04824.5p miR	TJU_CMC.ID04824.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04825.3p miR	TJU_CMC.ID04825.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04826.5p miR	TJU_CMC.ID04826.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04827.3p miR	TJU_CMC.ID04827.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID04828.5p miR	TJU_CMC.ID04828.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID04829.3p miR	TJU_CMC.ID04829.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04830.5p miR	TJU_CMC.ID04830.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04831.3p miR	TJU_CMC.ID04831.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04832.5p miR	TJU_CMC.ID04832.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04833.5p miR	TJU_CMC.ID04833.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04834.3p miR	TJU_CMC.ID04834.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04835.3p miR	TJU_CMC.ID04835.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04836.5p miR	TJU_CMC.ID04836.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04837.5p miR	TJU_CMC.ID04837.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04838.3p miR	TJU_CMC.ID04838.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04839.5p miR	TJU_CMC.ID04839.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04840.5p miR	TJU_CMC.ID04840.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04841.3p miR	TJU_CMC.ID04841.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04842.5p miR	TJU_CMC.ID04842.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04843.5p miR	TJU_CMC.ID04843.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04844.3p miR	TJU_CMC.ID04844.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04845.5p miR	TJU_CMC.ID04845.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04846.5p miR	TJU_CMC.ID04846.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04847.3p miR	TJU_CMC.ID04847.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04848.3p miR	TJU_CMC.ID04848.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04849.3p miR	TJU_CMC.ID04849.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04850.3p miR	TJU_CMC.ID04850.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04851.3p miR	TJU_CMC.ID04851.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04852.3p miR	TJU_CMC.ID04852.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04853.5p miR	TJU_CMC.ID04853.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04854.5p miR	TJU_CMC.ID04854.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID04855.3p miR	TJU_CMC.ID04855.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04856.5p miR	TJU_CMC.ID04856.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04857.3p miR	TJU_CMC.ID04857.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04858.3p miR	TJU_CMC.ID04858.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID04859.3p miR	TJU_CMC.ID04859.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04860.3p miR	TJU_CMC.ID04860.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID04861.3p miR	TJU_CMC.ID04861.hairpin	YES	YES NO	YES	NO	NO	NO	NO
TJU_CMC.ID04862.5p miR	TJU_CMC.ID04862.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04863.5p miR	TJU_CMC.ID04863.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04864.5p miR	TJU_CMC.ID04864.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04865.5p miR	TJU_CMC.ID04865.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04866.3p miR	TJU_CMC.ID04866.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04867.3p miR	TJU_CMC.ID04867.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04868.3p miR	TJU_CMC.ID04868.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04868.5p miR	TJU_CMC.ID04868.hairpin	YES	YES YES	YES	YES	YES	NO	NO
TJU_CMC.ID04869.5p miR	TJU_CMC.ID04869.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID04870.3p miR	TJU_CMC.ID04870.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04871.3p miR	TJU_CMC.ID04871.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID04872.5p miR	TJU_CMC.ID04872.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID04873.3p miR	TJU_CMC.ID04873.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04874.5p miR	TJU_CMC.ID04874.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID04875.3p miR	TJU_CMC.ID04875.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04876.5p miR	TJU_CMC.ID04876.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04877.3p miR	TJU_CMC.ID04877.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04878.5p miR	TJU_CMC.ID04878.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04879.3p miR	TJU_CMC.ID04879.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04880.3p miR	TJU_CMC.ID04880.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04881.5p miR	TJU_CMC.ID04881.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04882.3p miR	TJU_CMC.ID04882.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04883.5p miR	TJU_CMC.ID04883.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04884.5p miR	TJU_CMC.ID04884.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID04885.5p miR	TJU_CMC.ID04885.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04886.3p miR	TJU_CMC.ID04886.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04887.3p miR	TJU_CMC.ID04887.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04888.3p miR	TJU_CMC.ID04888.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04889.5p miR	TJU_CMC.ID04889.hairpin	YES	YES YES	NO	NO	NO	NO	NO

TJU_CMC.ID04890.3p miR	TJU_CMC.ID04890.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04891.3p miR	TJU_CMC.ID04891.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04892.5p miR	TJU_CMC.ID04892.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04893.3p miR	TJU_CMC.ID04893.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04894.5p miR	TJU_CMC.ID04894.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04895.3p miR	TJU_CMC.ID04895.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04896.3p miR	TJU_CMC.ID04896.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04897.3p miR	TJU_CMC.ID04897.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04898.3p miR	TJU_CMC.ID04898.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04899.5p miR	TJU_CMC.ID04899.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04900.5p miR	TJU_CMC.ID04900.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04901.3p miR	TJU_CMC.ID04901.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04902.5p miR	TJU_CMC.ID04902.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04903.5p miR	TJU_CMC.ID04903.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID04904.3p miR	TJU_CMC.ID04904.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04905.5p miR	TJU_CMC.ID04905.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04906.3p miR	TJU_CMC.ID04906.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04907.3p miR	TJU_CMC.ID04907.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04908.3p miR	TJU_CMC.ID04908.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04909.5p miR	TJU_CMC.ID04909.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04910.5p miR	TJU_CMC.ID04910.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID04911.5p miR	TJU_CMC.ID04911.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04912.5p miR	TJU_CMC.ID04912.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04913.5p miR	TJU_CMC.ID04913.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID04914.5p miR	TJU_CMC.ID04914.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04915.3p miR	TJU_CMC.ID04915.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04916.5p miR	TJU_CMC.ID04916.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04917.3p miR	TJU_CMC.ID04917.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04918.5p miR	TJU_CMC.ID04918.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04919.5p miR	TJU_CMC.ID04919.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04920.5p miR	TJU_CMC.ID04920.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04921.3p miR	TJU_CMC.ID04921.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID04922.3p miR	TJU_CMC.ID04922.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04923.3p miR	TJU_CMC.ID04923.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID04924.3p miR	TJU_CMC.ID04924.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID04925.5p miR	TJU_CMC.ID04925.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID04926.5p miR	TJU_CMC.ID04926.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04927.3p miR	TJU_CMC.ID04927.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04928.5p miR	TJU_CMC.ID04928.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04929.3p miR	TJU_CMC.ID04929.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04930.5p miR	TJU_CMC.ID04930.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04931.3p miR	TJU_CMC.ID04931.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04932.5p miR	TJU_CMC.ID04932.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04933.3p miR	TJU_CMC.ID04933.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04934.5p miR	TJU_CMC.ID04934.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04935.3p miR	TJU_CMC.ID04935.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID04936.3p miR	TJU_CMC.ID04936.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04937.5p miR	TJU_CMC.ID04937.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04938.5p miR	TJU_CMC.ID04938.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID04939.3p miR	TJU_CMC.ID04939.hairpin	YES	YES YES	YES	NO	YES	NO	NO	
TJU_CMC.ID04940.3p miR	TJU_CMC.ID04940.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04941.3p miR	TJU_CMC.ID04941.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04942.5p miR	TJU_CMC.ID04942.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04943.5p miR	TJU_CMC.ID04943.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04944.3p miR	TJU_CMC.ID04944.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04945.3p miR	TJU_CMC.ID04945.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04946.5p miR	TJU_CMC.ID04946.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID04947.5p miR	TJU_CMC.ID04947.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04948.3p miR	TJU_CMC.ID04948.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04949.5p miR	TJU_CMC.ID04949.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04950.5p miR	TJU_CMC.ID04950.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04951.3p miR	TJU_CMC.ID04951.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID04952.5p miR	TJU_CMC.ID04952.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04953.3p miR	TJU_CMC.ID04953.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID04954.5p miR	TJU_CMC.ID04954.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04955.5p miR	TJU_CMC.ID04955.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04956.3p miR	TJU_CMC.ID04956.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04957.5p miR	TJU_CMC.ID04957.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID04958.5p miR	TJU_CMC.ID04958.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID04959.3p miR	TJU_CMC.ID04959.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04960.5p miR	TJU_CMC.ID04960.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID04961.3p miR	TJU_CMC.ID04961.hairpin	YES	YES YES	YES	NO	NO	NO	NO	

TJU_CMC.ID04962.3p miR	TJU_CMC.ID04962.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04963.5p miR	TJU_CMC.ID04963.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04964.3p miR	TJU_CMC.ID04964.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04965.5p miR	TJU_CMC.ID04965.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04966.5p miR	TJU_CMC.ID04966.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04967.5p miR	TJU_CMC.ID04967.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04968.3p miR	TJU_CMC.ID04968.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID04969.3p miR	TJU_CMC.ID04969.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04970.3p miR	TJU_CMC.ID04970.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04971.5p miR	TJU_CMC.ID04971.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04972.3p miR	TJU_CMC.ID04972.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04973.3p miR	TJU_CMC.ID04973.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04974.3p miR	TJU_CMC.ID04974.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04975.3p miR	TJU_CMC.ID04975.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04976.5p miR	TJU_CMC.ID04976.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04977.5p miR	TJU_CMC.ID04977.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04978.3p miR	TJU_CMC.ID04978.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04979.5p miR	TJU_CMC.ID04979.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04980.5p miR	TJU_CMC.ID04980.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04981.5p miR	TJU_CMC.ID04981.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04982.3p miR	TJU_CMC.ID04982.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04983.5p miR	TJU_CMC.ID04983.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID04984.5p miR	TJU_CMC.ID04984.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04985.5p miR	TJU_CMC.ID04985.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04986.5p miR	TJU_CMC.ID04986.hairpin	YES	YES YES	YES	YES	YES	NO	NO
TJU_CMC.ID04987.3p miR	TJU_CMC.ID04987.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID04988.3p miR	TJU_CMC.ID04988.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04989.3p miR	TJU_CMC.ID04989.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04990.3p miR	TJU_CMC.ID04990.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04991.5p miR	TJU_CMC.ID04991.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID04992.3p miR	TJU_CMC.ID04992.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID04993.3p miR	TJU_CMC.ID04993.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID04994.5p miR	TJU_CMC.ID04994.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID04995.5p miR	TJU_CMC.ID04995.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID04996.5p miR	TJU_CMC.ID04996.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID04997.5p miR	TJU_CMC.ID04997.hairpin	YES	YES YES	YES	NO	NO	NO	NO

TJU_CMC.ID04998.3p miR	TJU_CMC.ID04998.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID04999.3p miR	TJU_CMC.ID04999.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05000.5p miR	TJU_CMC.ID05000.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05001.3p miR	TJU_CMC.ID05001.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05002.3p miR	TJU_CMC.ID05002.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05003.3p miR	TJU_CMC.ID05003.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05004.5p miR	TJU_CMC.ID05004.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05005.5p miR	TJU_CMC.ID05005.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05006.3p miR	TJU_CMC.ID05006.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05007.3p miR	TJU_CMC.ID05007.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05008.5p miR	TJU_CMC.ID05008.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05009.5p miR	TJU_CMC.ID05009.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05010.5p miR	TJU_CMC.ID05010.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05011.3p miR	TJU_CMC.ID05011.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05012.5p miR	TJU_CMC.ID05012.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05013.3p miR	TJU_CMC.ID05013.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05014.5p miR	TJU_CMC.ID05014.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05015.5p miR	TJU_CMC.ID05015.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05016.3p miR	TJU_CMC.ID05016.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05017.5p miR	TJU_CMC.ID05017.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05018.3p miR	TJU_CMC.ID05018.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05019.3p miR	TJU_CMC.ID05019.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID05020.3p miR	TJU_CMC.ID05020.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05021.5p miR	TJU_CMC.ID05021.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05022.3p miR	TJU_CMC.ID05022.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05023.3p miR	TJU_CMC.ID05023.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05024.3p miR	TJU_CMC.ID05024.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05025.3p miR	TJU_CMC.ID05025.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05026.5p miR	TJU_CMC.ID05026.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05027.3p miR	TJU_CMC.ID05027.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05028.3p miR	TJU_CMC.ID05028.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05029.3p miR	TJU_CMC.ID05029.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05030.5p miR	TJU_CMC.ID05030.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05031.5p miR	TJU_CMC.ID05031.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05032.3p miR	TJU_CMC.ID05032.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05033.5p miR	TJU_CMC.ID05033.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID05034.3p miR	TJU_CMC.ID05034.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05035.3p miR	TJU_CMC.ID05035.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05036.3p miR	TJU_CMC.ID05036.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05037.3p miR	TJU_CMC.ID05037.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05038.3p miR	TJU_CMC.ID05038.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05039.5p miR	TJU_CMC.ID05039.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05040.5p miR	TJU_CMC.ID05040.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05041.5p miR	TJU_CMC.ID05041.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05042.5p miR	TJU_CMC.ID05042.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05043.5p miR	TJU_CMC.ID05043.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05044.5p miR	TJU_CMC.ID05044.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05045.3p miR	TJU_CMC.ID05045.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05046.5p miR	TJU_CMC.ID05046.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05047.3p miR	TJU_CMC.ID05047.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05048.3p miR	TJU_CMC.ID05048.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05049.5p miR	TJU_CMC.ID05049.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05050.3p miR	TJU_CMC.ID05050.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05051.5p miR	TJU_CMC.ID05051.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05052.5p miR	TJU_CMC.ID05052.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05053.3p miR	TJU_CMC.ID05053.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05054.5p miR	TJU_CMC.ID05054.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05055.3p miR	TJU_CMC.ID05055.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05056.3p miR	TJU_CMC.ID05056.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05057.3p miR	TJU_CMC.ID05057.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05058.3p miR	TJU_CMC.ID05058.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05059.3p miR	TJU_CMC.ID05059.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05060.5p miR	TJU_CMC.ID05060.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05061.3p miR	TJU_CMC.ID05061.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05062.5p miR	TJU_CMC.ID05062.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05063.5p miR	TJU_CMC.ID05063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05064.5p miR	TJU_CMC.ID05064.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05065.5p miR	TJU_CMC.ID05065.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05066.5p miR	TJU_CMC.ID05066.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05067.3p miR	TJU_CMC.ID05067.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05068.5p miR	TJU_CMC.ID05068.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05069.3p miR	TJU_CMC.ID05069.hairpin	YES	NO	YES	YES	YES	NO	NO	NO

TJU_CMC.ID05070.3p miR	TJU_CMC.ID05070.hairpin	YES	YES YES	YES	NO	YES	NO	NO	
TJU_CMC.ID05071.3p miR	TJU_CMC.ID05071.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05072.3p miR	TJU_CMC.ID05072.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05073.5p miR	TJU_CMC.ID05073.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05074.5p miR	TJU_CMC.ID05074.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05075.3p miR	TJU_CMC.ID05075.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05076.3p miR	TJU_CMC.ID05076.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05077.5p miR	TJU_CMC.ID05077.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05078.3p miR	TJU_CMC.ID05078.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05079.5p miR	TJU_CMC.ID05079.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05080.3p miR	TJU_CMC.ID05080.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05081.5p miR	TJU_CMC.ID05081.hairpin	YES	NO NO	NO	YES	NO	NO	NO	
TJU_CMC.ID05082.3p miR	TJU_CMC.ID05082.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05083.5p miR	TJU_CMC.ID05083.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05084.3p miR	TJU_CMC.ID05084.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05085.5p miR	TJU_CMC.ID05085.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05086.5p miR	TJU_CMC.ID05086.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05087.3p miR	TJU_CMC.ID05087.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05088.5p miR	TJU_CMC.ID05088.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05089.3p miR	TJU_CMC.ID05089.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05090.3p miR	TJU_CMC.ID05090.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05091.5p miR	TJU_CMC.ID05091.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05092.3p miR	TJU_CMC.ID05092.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05093.3p miR	TJU_CMC.ID05093.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05094.3p miR	TJU_CMC.ID05094.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05095.5p miR	TJU_CMC.ID05095.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05096.5p miR	TJU_CMC.ID05096.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05097.3p miR	TJU_CMC.ID05097.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05098.5p miR	TJU_CMC.ID05098.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05099.3p miR	TJU_CMC.ID05099.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05100.3p miR	TJU_CMC.ID05100.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05101.3p miR	TJU_CMC.ID05101.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05102.5p miR	TJU_CMC.ID05102.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05103.3p miR	TJU_CMC.ID05103.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05104.3p miR	TJU_CMC.ID05104.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID05105.3p miR	TJU_CMC.ID05105.hairpin	YES	YES YES	YES	NO	NO	NO	NO	

TJU_CMC.ID05106.5p miR	TJU_CMC.ID05106.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05107.5p miR	TJU_CMC.ID05107.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID05108.3p miR	TJU_CMC.ID05108.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05109.5p miR	TJU_CMC.ID05109.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05110.5p miR	TJU_CMC.ID05110.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID05111.3p miR	TJU_CMC.ID05111.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05112.3p miR	TJU_CMC.ID05112.hairpin	YES	NO YES	NO	YES	NO	NO	NO
TJU_CMC.ID05113.3p miR	TJU_CMC.ID05113.hairpin	YES	YES YES	YES	YES	YES	NO	NO
TJU_CMC.ID05114.5p miR	TJU_CMC.ID05114.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID05115.5p miR	TJU_CMC.ID05115.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05116.3p miR	TJU_CMC.ID05116.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05117.3p miR	TJU_CMC.ID05117.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID05118.5p miR	TJU_CMC.ID05118.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID05119.5p miR	TJU_CMC.ID05119.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05120.5p miR	TJU_CMC.ID05120.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05121.5p miR	TJU_CMC.ID05121.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05122.3p miR	TJU_CMC.ID05122.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05123.3p miR	TJU_CMC.ID05123.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05124.5p miR	TJU_CMC.ID05124.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05125.3p miR	TJU_CMC.ID05125.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05126.3p miR	TJU_CMC.ID05126.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID05127.5p miR	TJU_CMC.ID05127.hairpin	YES	YES YES	YES	YES	YES	NO	NO
TJU_CMC.ID05128.3p miR	TJU_CMC.ID05128.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05129.5p miR	TJU_CMC.ID05129.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05130.3p miR	TJU_CMC.ID05130.hairpin	YES	YES NO	YES	NO	NO	NO	NO
TJU_CMC.ID05131.5p miR	TJU_CMC.ID05131.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05132.3p miR	TJU_CMC.ID05132.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05133.5p miR	TJU_CMC.ID05133.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05134.3p miR	TJU_CMC.ID05134.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID05135.5p miR	TJU_CMC.ID05135.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID05136.3p miR	TJU_CMC.ID05136.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05137.5p miR	TJU_CMC.ID05137.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05138.3p miR	TJU_CMC.ID05138.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05139.5p miR	TJU_CMC.ID05139.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05140.5p miR	TJU_CMC.ID05140.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID05141.5p miR	TJU_CMC.ID05141.hairpin	YES	YES NO	YES	YES	NO	NO	NO

TJU_CMC.ID05142.3p miR	TJU_CMC.ID05142.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05143.3p miR	TJU_CMC.ID05143.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05144.3p miR	TJU_CMC.ID05144.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05145.3p miR	TJU_CMC.ID05145.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05146.5p miR	TJU_CMC.ID05146.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05147.5p miR	TJU_CMC.ID05147.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05148.5p miR	TJU_CMC.ID05148.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05149.5p miR	TJU_CMC.ID05149.hairpin	YES	NO YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05150.5p miR	TJU_CMC.ID05150.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05151.5p miR	TJU_CMC.ID05151.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05152.5p miR	TJU_CMC.ID05152.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05153.5p miR	TJU_CMC.ID05153.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05154.5p miR	TJU_CMC.ID05154.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05155.5p miR	TJU_CMC.ID05155.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05156.3p miR	TJU_CMC.ID05156.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05157.3p miR	TJU_CMC.ID05157.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05158.5p miR	TJU_CMC.ID05158.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05159.5p miR	TJU_CMC.ID05159.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05160.5p miR	TJU_CMC.ID05160.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05161.3p miR	TJU_CMC.ID05161.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05162.5p miR	TJU_CMC.ID05162.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05163.5p miR	TJU_CMC.ID05163.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05164.5p miR	TJU_CMC.ID05164.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05165.3p miR	TJU_CMC.ID05165.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05166.5p miR	TJU_CMC.ID05166.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05167.3p miR	TJU_CMC.ID05167.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05168.5p miR	TJU_CMC.ID05168.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05169.3p miR	TJU_CMC.ID05169.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05170.3p miR	TJU_CMC.ID05170.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05171.5p miR	TJU_CMC.ID05171.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05172.3p miR	TJU_CMC.ID05172.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05173.3p miR	TJU_CMC.ID05173.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05174.3p miR	TJU_CMC.ID05174.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05175.5p miR	TJU_CMC.ID05175.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05176.5p miR	TJU_CMC.ID05176.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05177.3p miR	TJU_CMC.ID05177.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID05178.5p miR	TJU_CMC.ID05178.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05179.3p miR	TJU_CMC.ID05179.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05180.3p miR	TJU_CMC.ID05180.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05181.5p miR	TJU_CMC.ID05181.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05182.3p miR	TJU_CMC.ID05182.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05183.5p miR	TJU_CMC.ID05183.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05184.3p miR	TJU_CMC.ID05184.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05185.3p miR	TJU_CMC.ID05185.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05186.5p miR	TJU_CMC.ID05186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05187.5p miR	TJU_CMC.ID05187.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05188.3p miR	TJU_CMC.ID05188.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05189.3p miR	TJU_CMC.ID05189.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05190.3p miR	TJU_CMC.ID05190.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05191.3p miR	TJU_CMC.ID05191.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05192.5p miR	TJU_CMC.ID05192.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05193.3p miR	TJU_CMC.ID05193.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05194.3p miR	TJU_CMC.ID05194.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05195.5p miR	TJU_CMC.ID05195.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05196.3p miR	TJU_CMC.ID05196.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05197.3p miR	TJU_CMC.ID05197.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05198.3p miR	TJU_CMC.ID05198.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05199.5p miR	TJU_CMC.ID05199.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05200.5p miR	TJU_CMC.ID05200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05201.3p miR	TJU_CMC.ID05201.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05202.3p miR	TJU_CMC.ID05202.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05203.3p miR	TJU_CMC.ID05203.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05204.5p miR	TJU_CMC.ID05204.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05205.3p miR	TJU_CMC.ID05205.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05206.3p miR	TJU_CMC.ID05206.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05207.3p miR	TJU_CMC.ID05207.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05208.5p miR	TJU_CMC.ID05208.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05209.3p miR	TJU_CMC.ID05209.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05210.3p miR	TJU_CMC.ID05210.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05211.5p miR	TJU_CMC.ID05211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05212.3p miR	TJU_CMC.ID05212.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05213.3p miR	TJU_CMC.ID05213.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID05214.3p miR	TJU_CMC.ID05214.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05215.5p miR	TJU_CMC.ID05215.hairpin	YES	NO YES	NO	NO	NO	NO	NO
TJU_CMC.ID05216.5p miR	TJU_CMC.ID05216.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05217.3p miR	TJU_CMC.ID05217.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05218.5p miR	TJU_CMC.ID05218.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05219.5p miR	TJU_CMC.ID05219.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05220.5p miR	TJU_CMC.ID05220.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05221.5p miR	TJU_CMC.ID05221.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID05222.3p miR	TJU_CMC.ID05222.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05223.5p miR	TJU_CMC.ID05223.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05224.5p miR	TJU_CMC.ID05224.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05225.3p miR	TJU_CMC.ID05225.hairpin	YES	NO NO	NO	YES	NO	NO	NO
TJU_CMC.ID05226.3p miR	TJU_CMC.ID05226.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05227.3p miR	TJU_CMC.ID05227.hairpin	YES	YES NO	YES	NO	NO	NO	NO
TJU_CMC.ID05228.3p miR	TJU_CMC.ID05228.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID05229.3p miR	TJU_CMC.ID05229.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05230.3p miR	TJU_CMC.ID05230.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05231.3p miR	TJU_CMC.ID05231.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID05232.3p miR	TJU_CMC.ID05232.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05233.3p miR	TJU_CMC.ID05233.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID05234.3p miR	TJU_CMC.ID05234.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05235.3p miR	TJU_CMC.ID05235.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05236.5p miR	TJU_CMC.ID05236.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID05237.5p miR	TJU_CMC.ID05237.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05238.3p miR	TJU_CMC.ID05238.hairpin	YES	NO YES	YES	NO	NO	NO	NO
TJU_CMC.ID05239.3p miR	TJU_CMC.ID05239.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05240.3p miR	TJU_CMC.ID05240.hairpin	YES	YES NO	YES	NO	NO	NO	NO
TJU_CMC.ID05241.5p miR	TJU_CMC.ID05241.hairpin	YES	YES NO	YES	NO	NO	NO	NO
TJU_CMC.ID05242.3p miR	TJU_CMC.ID05242.hairpin	YES	NO YES	NO	NO	NO	NO	NO
TJU_CMC.ID05243.3p miR	TJU_CMC.ID05243.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05244.3p miR	TJU_CMC.ID05244.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05245.3p miR	TJU_CMC.ID05245.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05246.3p miR	TJU_CMC.ID05246.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05247.3p miR	TJU_CMC.ID05247.hairpin	YES	NO YES	NO	NO	NO	NO	NO
TJU_CMC.ID05248.5p miR	TJU_CMC.ID05248.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05249.3p miR	TJU_CMC.ID05249.hairpin	YES	NO NO	YES	YES	NO	NO	NO

TJU_CMC.ID05250.3p miR	TJU_CMC.ID05250.hairpin	YES	YES YES	NC	YES	NO	NO	NO
TJU_CMC.ID05251.5p miR	TJU_CMC.ID05251.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05252.5p miR	TJU_CMC.ID05252.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05253.5p miR	TJU_CMC.ID05253.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID05254.3p miR	TJU_CMC.ID05254.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05255.3p miR	TJU_CMC.ID05255.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05256.5p miR	TJU_CMC.ID05256.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05257.5p miR	TJU_CMC.ID05257.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05258.5p miR	TJU_CMC.ID05258.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05259.5p miR	TJU_CMC.ID05259.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05260.5p miR	TJU_CMC.ID05260.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05261.5p miR	TJU_CMC.ID05261.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID05262.3p miR	TJU_CMC.ID05262.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05263.5p miR	TJU_CMC.ID05263.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05264.3p miR	TJU_CMC.ID05264.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05265.3p miR	TJU_CMC.ID05265.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05266.3p miR	TJU_CMC.ID05266.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05267.5p miR	TJU_CMC.ID05267.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05268.5p miR	TJU_CMC.ID05268.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID05269.5p miR	TJU_CMC.ID05269.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05270.5p miR	TJU_CMC.ID05270.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05271.5p miR	TJU_CMC.ID05271.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05272.3p miR	TJU_CMC.ID05272.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05273.3p miR	TJU_CMC.ID05273.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05274.5p miR	TJU_CMC.ID05274.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05275.3p miR	TJU_CMC.ID05275.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID05276.5p miR	TJU_CMC.ID05276.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05277.3p miR	TJU_CMC.ID05277.hairpin	YES	NO YES	NO	NO	NO	NO	NO
TJU_CMC.ID05278.3p miR	TJU_CMC.ID05278.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID05279.3p miR	TJU_CMC.ID05279.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05280.5p miR	TJU_CMC.ID05280.hairpin	YES	NO YES	YES	YES	NO	NO	NO
TJU_CMC.ID05281.5p miR	TJU_CMC.ID05281.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID05282.3p miR	TJU_CMC.ID05282.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID05283.5p miR	TJU_CMC.ID05283.hairpin	YES	YES YES	YES	YES	YES	NO	NO
TJU_CMC.ID05284.3p miR	TJU_CMC.ID05284.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID05285.3p miR	TJU_CMC.ID05285.hairpin	YES	YES YES	YES	YES	NO	NO	NO

TJU_CMC.ID05286.5p miR	TJU_CMC.ID05286.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05287.3p miR	TJU_CMC.ID05287.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05288.3p miR	TJU_CMC.ID05288.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05289.5p miR	TJU_CMC.ID05289.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID05290.3p miR	TJU_CMC.ID05290.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05291.3p miR	TJU_CMC.ID05291.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05292.3p miR	TJU_CMC.ID05292.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05293.3p miR	TJU_CMC.ID05293.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05294.5p miR	TJU_CMC.ID05294.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05295.3p miR	TJU_CMC.ID05295.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05296.5p miR	TJU_CMC.ID05296.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05297.5p miR	TJU_CMC.ID05297.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05298.5p miR	TJU_CMC.ID05298.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05299.3p miR	TJU_CMC.ID05299.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05300.3p miR	TJU_CMC.ID05300.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05301.3p miR	TJU_CMC.ID05301.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05302.5p miR	TJU_CMC.ID05302.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05303.5p miR	TJU_CMC.ID05303.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05304.3p miR	TJU_CMC.ID05304.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05305.3p miR	TJU_CMC.ID05305.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05306.5p miR	TJU_CMC.ID05306.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05307.3p miR	TJU_CMC.ID05307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05308.3p miR	TJU_CMC.ID05308.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05309.3p miR	TJU_CMC.ID05309.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05310.5p miR	TJU_CMC.ID05310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05311.3p miR	TJU_CMC.ID05311.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05312.5p miR	TJU_CMC.ID05312.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05313.5p miR	TJU_CMC.ID05313.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05314.3p miR	TJU_CMC.ID05314.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05315.3p miR	TJU_CMC.ID05315.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05316.3p miR	TJU_CMC.ID05316.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05317.3p miR	TJU_CMC.ID05317.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05318.5p miR	TJU_CMC.ID05318.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05319.5p miR	TJU_CMC.ID05319.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05320.3p miR	TJU_CMC.ID05320.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05321.5p miR	TJU_CMC.ID05321.hairpin	YES	YES YES	NO	NO	NO	NO	NO	

TJU_CMC.ID05322.5p miR	TJU_CMC.ID05322.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05323.5p miR	TJU_CMC.ID05323.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05324.5p miR	TJU_CMC.ID05324.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05325.5p miR	TJU_CMC.ID05325.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05326.3p miR	TJU_CMC.ID05326.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05327.5p miR	TJU_CMC.ID05327.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05328.5p miR	TJU_CMC.ID05328.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05329.3p miR	TJU_CMC.ID05329.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05330.3p miR	TJU_CMC.ID05330.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05331.5p miR	TJU_CMC.ID05331.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05332.5p miR	TJU_CMC.ID05332.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05333.3p miR	TJU_CMC.ID05333.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05334.5p miR	TJU_CMC.ID05334.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05335.3p miR	TJU_CMC.ID05335.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05336.5p miR	TJU_CMC.ID05336.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05337.3p miR	TJU_CMC.ID05337.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05338.3p miR	TJU_CMC.ID05338.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05339.5p miR	TJU_CMC.ID05339.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05340.5p miR	TJU_CMC.ID05340.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05341.3p miR	TJU_CMC.ID05341.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05342.3p miR	TJU_CMC.ID05342.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05343.3p miR	TJU_CMC.ID05343.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05344.5p miR	TJU_CMC.ID05344.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05345.3p miR	TJU_CMC.ID05345.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05346.3p miR	TJU_CMC.ID05346.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05347.5p miR	TJU_CMC.ID05347.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05348.5p miR	TJU_CMC.ID05348.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05349.5p miR	TJU_CMC.ID05349.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05350.3p miR	TJU_CMC.ID05350.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05351.5p miR	TJU_CMC.ID05351.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05352.3p miR	TJU_CMC.ID05352.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05353.5p miR	TJU_CMC.ID05353.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05354.3p miR	TJU_CMC.ID05354.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05355.5p miR	TJU_CMC.ID05355.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05356.5p miR	TJU_CMC.ID05356.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05357.3p miR	TJU_CMC.ID05357.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID05358.5p miR	TJU_CMC.ID05358.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05359.3p miR	TJU_CMC.ID05359.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05360.5p miR	TJU_CMC.ID05360.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05361.5p miR	TJU_CMC.ID05361.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05362.5p miR	TJU_CMC.ID05362.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05363.3p miR	TJU_CMC.ID05363.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05364.5p miR	TJU_CMC.ID05364.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05365.3p miR	TJU_CMC.ID05365.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05366.5p miR	TJU_CMC.ID05366.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05367.3p miR	TJU_CMC.ID05367.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05368.5p miR	TJU_CMC.ID05368.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05369.5p miR	TJU_CMC.ID05369.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05370.5p miR	TJU_CMC.ID05370.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05371.5p miR	TJU_CMC.ID05371.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05372.3p miR	TJU_CMC.ID05372.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05373.3p miR	TJU_CMC.ID05373.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05374.3p miR	TJU_CMC.ID05374.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05375.3p miR	TJU_CMC.ID05375.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05376.5p miR	TJU_CMC.ID05376.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05377.3p miR	TJU_CMC.ID05377.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05378.5p miR	TJU_CMC.ID05378.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05379.5p miR	TJU_CMC.ID05379.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05380.5p miR	TJU_CMC.ID05380.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05381.3p miR	TJU_CMC.ID05381.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05382.5p miR	TJU_CMC.ID05382.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05383.3p miR	TJU_CMC.ID05383.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05384.5p miR	TJU_CMC.ID05384.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05385.3p miR	TJU_CMC.ID05385.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05386.3p miR	TJU_CMC.ID05386.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05387.5p miR	TJU_CMC.ID05387.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05388.3p miR	TJU_CMC.ID05388.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05389.5p miR	TJU_CMC.ID05389.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05390.5p miR	TJU_CMC.ID05390.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05391.5p miR	TJU_CMC.ID05391.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05392.3p miR	TJU_CMC.ID05392.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05393.3p miR	TJU_CMC.ID05393.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID05394.5p miR	TJU_CMC.ID05394.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05395.5p miR	TJU_CMC.ID05395.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05396.3p miR	TJU_CMC.ID05396.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05397.3p miR	TJU_CMC.ID05397.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05398.3p miR	TJU_CMC.ID05398.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05399.3p miR	TJU_CMC.ID05399.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05400.5p miR	TJU_CMC.ID05400.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05401.3p miR	TJU_CMC.ID05401.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05402.5p miR	TJU_CMC.ID05402.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05403.5p miR	TJU_CMC.ID05403.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05404.3p miR	TJU_CMC.ID05404.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05405.5p miR	TJU_CMC.ID05405.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05406.5p miR	TJU_CMC.ID05406.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05407.3p miR	TJU_CMC.ID05407.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05408.5p miR	TJU_CMC.ID05408.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05409.5p miR	TJU_CMC.ID05409.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05410.5p miR	TJU_CMC.ID05410.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05411.3p miR	TJU_CMC.ID05411.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05412.3p miR	TJU_CMC.ID05412.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05413.3p miR	TJU_CMC.ID05413.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05414.5p miR	TJU_CMC.ID05414.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05415.3p miR	TJU_CMC.ID05415.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05416.3p miR	TJU_CMC.ID05416.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05417.5p miR	TJU_CMC.ID05417.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05418.5p miR	TJU_CMC.ID05418.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05419.5p miR	TJU_CMC.ID05419.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05420.5p miR	TJU_CMC.ID05420.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05421.5p miR	TJU_CMC.ID05421.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05422.5p miR	TJU_CMC.ID05422.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05423.5p miR	TJU_CMC.ID05423.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05424.5p miR	TJU_CMC.ID05424.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05425.5p miR	TJU_CMC.ID05425.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05426.3p miR	TJU_CMC.ID05426.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05427.5p miR	TJU_CMC.ID05427.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05428.3p miR	TJU_CMC.ID05428.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05429.5p miR	TJU_CMC.ID05429.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID05430.3p miR	TJU_CMC.ID05430.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05431.5p miR	TJU_CMC.ID05431.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05432.5p miR	TJU_CMC.ID05432.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05433.3p miR	TJU_CMC.ID05433.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05434.3p miR	TJU_CMC.ID05434.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05435.3p miR	TJU_CMC.ID05435.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05436.3p miR	TJU_CMC.ID05436.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05437.5p miR	TJU_CMC.ID05437.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID05438.5p miR	TJU_CMC.ID05438.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05439.5p miR	TJU_CMC.ID05439.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05440.3p miR	TJU_CMC.ID05440.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05441.5p miR	TJU_CMC.ID05441.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05442.3p miR	TJU_CMC.ID05442.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05443.5p miR	TJU_CMC.ID05443.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05444.5p miR	TJU_CMC.ID05444.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05445.3p miR	TJU_CMC.ID05445.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05446.5p miR	TJU_CMC.ID05446.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID05447.3p miR	TJU_CMC.ID05447.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05448.5p miR	TJU_CMC.ID05448.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05449.3p miR	TJU_CMC.ID05449.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05450.5p miR	TJU_CMC.ID05450.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05451.5p miR	TJU_CMC.ID05451.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05452.3p miR	TJU_CMC.ID05452.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05453.3p miR	TJU_CMC.ID05453.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05454.5p miR	TJU_CMC.ID05454.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05455.3p miR	TJU_CMC.ID05455.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05456.3p miR	TJU_CMC.ID05456.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05457.3p miR	TJU_CMC.ID05457.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05458.5p miR	TJU_CMC.ID05458.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05459.5p miR	TJU_CMC.ID05459.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05460.3p miR	TJU_CMC.ID05460.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05461.5p miR	TJU_CMC.ID05461.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05462.3p miR	TJU_CMC.ID05462.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05463.3p miR	TJU_CMC.ID05463.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05464.3p miR	TJU_CMC.ID05464.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05465.3p miR	TJU_CMC.ID05465.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	

TJU_CMC.ID05466.3p miR	TJU_CMC.ID05466.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05467.3p miR	TJU_CMC.ID05467.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05468.3p miR	TJU_CMC.ID05468.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05469.5p miR	TJU_CMC.ID05469.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05470.3p miR	TJU_CMC.ID05470.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05471.3p miR	TJU_CMC.ID05471.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05472.3p miR	TJU_CMC.ID05472.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05473.5p miR	TJU_CMC.ID05473.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05474.3p miR	TJU_CMC.ID05474.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05475.5p miR	TJU_CMC.ID05475.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05476.3p miR	TJU_CMC.ID05476.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05477.3p miR	TJU_CMC.ID05477.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05478.5p miR	TJU_CMC.ID05478.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05479.3p miR	TJU_CMC.ID05479.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05480.5p miR	TJU_CMC.ID05480.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05481.5p miR	TJU_CMC.ID05481.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05482.5p miR	TJU_CMC.ID05482.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05483.3p miR	TJU_CMC.ID05483.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05484.5p miR	TJU_CMC.ID05484.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05485.5p miR	TJU_CMC.ID05485.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05486.5p miR	TJU_CMC.ID05486.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05487.3p miR	TJU_CMC.ID05487.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05488.5p miR	TJU_CMC.ID05488.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05489.5p miR	TJU_CMC.ID05489.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05490.3p miR	TJU_CMC.ID05490.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05491.3p miR	TJU_CMC.ID05491.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05492.5p miR	TJU_CMC.ID05492.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05493.3p miR	TJU_CMC.ID05493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05494.5p miR	TJU_CMC.ID05494.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05495.3p miR	TJU_CMC.ID05495.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05496.5p miR	TJU_CMC.ID05496.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05497.5p miR	TJU_CMC.ID05497.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05498.3p miR	TJU_CMC.ID05498.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05499.5p miR	TJU_CMC.ID05499.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05500.3p miR	TJU_CMC.ID05500.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05501.5p miR	TJU_CMC.ID05501.hairpin	YES	YES	YES	YES	YES	YES	NO	NO

TJU_CMC.ID05502.5p miR	TJU_CMC.ID05502.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05503.5p miR	TJU_CMC.ID05503.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05504.5p miR	TJU_CMC.ID05504.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05505.3p miR	TJU_CMC.ID05505.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05506.3p miR	TJU_CMC.ID05506.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05507.5p miR	TJU_CMC.ID05507.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05508.5p miR	TJU_CMC.ID05508.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05509.3p miR	TJU_CMC.ID05509.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05510.3p miR	TJU_CMC.ID05510.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05511.3p miR	TJU_CMC.ID05511.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05512.5p miR	TJU_CMC.ID05512.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05513.5p miR	TJU_CMC.ID05513.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05514.3p miR	TJU_CMC.ID05514.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05515.5p miR	TJU_CMC.ID05515.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05516.5p miR	TJU_CMC.ID05516.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05517.5p miR	TJU_CMC.ID05517.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05518.5p miR	TJU_CMC.ID05518.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05519.5p miR	TJU_CMC.ID05519.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05520.3p miR	TJU_CMC.ID05520.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05521.3p miR	TJU_CMC.ID05521.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05522.3p miR	TJU_CMC.ID05522.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05523.5p miR	TJU_CMC.ID05523.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05524.5p miR	TJU_CMC.ID05524.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05525.5p miR	TJU_CMC.ID05525.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05526.5p miR	TJU_CMC.ID05526.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05527.5p miR	TJU_CMC.ID05527.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05528.3p miR	TJU_CMC.ID05528.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05529.3p miR	TJU_CMC.ID05529.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05530.5p miR	TJU_CMC.ID05530.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05531.5p miR	TJU_CMC.ID05531.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05532.5p miR	TJU_CMC.ID05532.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05533.5p miR	TJU_CMC.ID05533.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05534.3p miR	TJU_CMC.ID05534.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05535.3p miR	TJU_CMC.ID05535.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05536.3p miR	TJU_CMC.ID05536.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05537.5p miR	TJU_CMC.ID05537.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID05538.5p miR	TJU_CMC.ID05538.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05539.3p miR	TJU_CMC.ID05539.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05540.5p miR	TJU_CMC.ID05540.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05541.3p miR	TJU_CMC.ID05541.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05542.5p miR	TJU_CMC.ID05542.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05543.3p miR	TJU_CMC.ID05543.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05544.5p miR	TJU_CMC.ID05544.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05545.5p miR	TJU_CMC.ID05545.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05546.5p miR	TJU_CMC.ID05546.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05547.3p miR	TJU_CMC.ID05547.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05548.3p miR	TJU_CMC.ID05548.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05549.5p miR	TJU_CMC.ID05549.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05550.3p miR	TJU_CMC.ID05550.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05551.3p miR	TJU_CMC.ID05551.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05552.5p miR	TJU_CMC.ID05552.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05553.3p miR	TJU_CMC.ID05553.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05554.5p miR	TJU_CMC.ID05554.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05555.3p miR	TJU_CMC.ID05555.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05556.3p miR	TJU_CMC.ID05556.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05557.5p miR	TJU_CMC.ID05557.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05558.3p miR	TJU_CMC.ID05558.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05559.5p miR	TJU_CMC.ID05559.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05560.3p miR	TJU_CMC.ID05560.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05561.5p miR	TJU_CMC.ID05561.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05562.5p miR	TJU_CMC.ID05562.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05563.3p miR	TJU_CMC.ID05563.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05564.5p miR	TJU_CMC.ID05564.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05565.3p miR	TJU_CMC.ID05565.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05566.3p miR	TJU_CMC.ID05566.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05567.3p miR	TJU_CMC.ID05567.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05568.3p miR	TJU_CMC.ID05568.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05569.3p miR	TJU_CMC.ID05569.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05570.3p miR	TJU_CMC.ID05570.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05571.3p miR	TJU_CMC.ID05571.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05572.5p miR	TJU_CMC.ID05572.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05573.3p miR	TJU_CMC.ID05573.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID05574.5p miR	TJU_CMC.ID05574.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05575.3p miR	TJU_CMC.ID05575.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05576.3p miR	TJU_CMC.ID05576.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05577.5p miR	TJU_CMC.ID05577.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05578.5p miR	TJU_CMC.ID05578.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05579.5p miR	TJU_CMC.ID05579.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05580.3p miR	TJU_CMC.ID05580.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05581.5p miR	TJU_CMC.ID05581.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05582.5p miR	TJU_CMC.ID05582.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05583.3p miR	TJU_CMC.ID05583.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05584.3p miR	TJU_CMC.ID05584.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05585.5p miR	TJU_CMC.ID05585.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05586.5p miR	TJU_CMC.ID05586.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05587.5p miR	TJU_CMC.ID05587.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05588.3p miR	TJU_CMC.ID05588.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05589.5p miR	TJU_CMC.ID05589.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05590.3p miR	TJU_CMC.ID05590.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05591.5p miR	TJU_CMC.ID05591.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05592.3p miR	TJU_CMC.ID05592.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05593.3p miR	TJU_CMC.ID05593.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05594.3p miR	TJU_CMC.ID05594.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05595.3p miR	TJU_CMC.ID05595.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05596.3p miR	TJU_CMC.ID05596.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05597.5p miR	TJU_CMC.ID05597.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05598.5p miR	TJU_CMC.ID05598.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05599.3p miR	TJU_CMC.ID05599.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05600.3p miR	TJU_CMC.ID05600.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05601.5p miR	TJU_CMC.ID05601.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05602.3p miR	TJU_CMC.ID05602.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05603.3p miR	TJU_CMC.ID05603.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05604.3p miR	TJU_CMC.ID05604.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05605.3p miR	TJU_CMC.ID05605.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05606.5p miR	TJU_CMC.ID05606.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05607.3p miR	TJU_CMC.ID05607.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05608.5p miR	TJU_CMC.ID05608.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05609.5p miR	TJU_CMC.ID05609.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID05610.5p miR	TJU_CMC.ID05610.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05611.3p miR	TJU_CMC.ID05611.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05612.3p miR	TJU_CMC.ID05612.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05612.5p miR	TJU_CMC.ID05612.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05613.5p miR	TJU_CMC.ID05613.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05614.3p miR	TJU_CMC.ID05614.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05615.3p miR	TJU_CMC.ID05615.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05616.5p miR	TJU_CMC.ID05616.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05617.5p miR	TJU_CMC.ID05617.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05618.3p miR	TJU_CMC.ID05618.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05619.3p miR	TJU_CMC.ID05619.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05620.3p miR	TJU_CMC.ID05620.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05621.5p miR	TJU_CMC.ID05621.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05622.3p miR	TJU_CMC.ID05622.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05623.3p miR	TJU_CMC.ID05623.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05624.3p miR	TJU_CMC.ID05624.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05625.5p miR	TJU_CMC.ID05625.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05626.5p miR	TJU_CMC.ID05626.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05627.3p miR	TJU_CMC.ID05627.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID05628.3p miR	TJU_CMC.ID05628.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05629.5p miR	TJU_CMC.ID05629.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05630.3p miR	TJU_CMC.ID05630.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05631.5p miR	TJU_CMC.ID05631.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05632.5p miR	TJU_CMC.ID05632.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05633.3p miR	TJU_CMC.ID05633.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05634.3p miR	TJU_CMC.ID05634.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05635.5p miR	TJU_CMC.ID05635.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05636.5p miR	TJU_CMC.ID05636.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05637.3p miR	TJU_CMC.ID05637.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05638.3p miR	TJU_CMC.ID05638.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05639.5p miR	TJU_CMC.ID05639.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID05640.3p miR	TJU_CMC.ID05640.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05641.3p miR	TJU_CMC.ID05641.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05642.3p miR	TJU_CMC.ID05642.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05643.3p miR	TJU_CMC.ID05643.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05644.3p miR	TJU_CMC.ID05644.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID05645.5p miR	TJU_CMC.ID05645.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05646.5p miR	TJU_CMC.ID05646.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05647.3p miR	TJU_CMC.ID05647.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05648.5p miR	TJU_CMC.ID05648.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05649.3p miR	TJU_CMC.ID05649.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05650.3p miR	TJU_CMC.ID05650.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05651.3p miR	TJU_CMC.ID05651.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05652.3p miR	TJU_CMC.ID05652.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05653.5p miR	TJU_CMC.ID05653.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05654.3p miR	TJU_CMC.ID05654.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05655.3p miR	TJU_CMC.ID05655.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05656.5p miR	TJU_CMC.ID05656.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05657.3p miR	TJU_CMC.ID05657.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05658.5p miR	TJU_CMC.ID05658.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05659.3p miR	TJU_CMC.ID05659.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05660.3p miR	TJU_CMC.ID05660.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05661.3p miR	TJU_CMC.ID05661.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05662.5p miR	TJU_CMC.ID05662.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05663.3p miR	TJU_CMC.ID05663.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05664.5p miR	TJU_CMC.ID05664.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05665.5p miR	TJU_CMC.ID05665.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05666.3p miR	TJU_CMC.ID05666.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05667.5p miR	TJU_CMC.ID05667.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05668.5p miR	TJU_CMC.ID05668.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05669.3p miR	TJU_CMC.ID05669.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05670.5p miR	TJU_CMC.ID05670.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05671.5p miR	TJU_CMC.ID05671.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05672.3p miR	TJU_CMC.ID05672.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05673.5p miR	TJU_CMC.ID05673.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05674.5p miR	TJU_CMC.ID05674.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05675.5p miR	TJU_CMC.ID05675.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05676.5p miR	TJU_CMC.ID05676.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05677.3p miR	TJU_CMC.ID05677.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05678.3p miR	TJU_CMC.ID05678.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05679.3p miR	TJU_CMC.ID05679.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05680.3p miR	TJU_CMC.ID05680.hairpin	YES	YES YES	NO	YES	NO	NO	NO	

TJU_CMC.ID05681.3p miR	TJU_CMC.ID05681.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05682.5p miR	TJU_CMC.ID05682.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05683.5p miR	TJU_CMC.ID05683.hairpin	YES	YES	YES	NC	NO	NO	NO	NO	NO
TJU_CMC.ID05684.3p miR	TJU_CMC.ID05684.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05685.3p miR	TJU_CMC.ID05685.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05686.3p miR	TJU_CMC.ID05686.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05687.5p miR	TJU_CMC.ID05687.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05688.5p miR	TJU_CMC.ID05688.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05689.3p miR	TJU_CMC.ID05689.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05690.5p miR	TJU_CMC.ID05690.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05691.5p miR	TJU_CMC.ID05691.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05692.3p miR	TJU_CMC.ID05692.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05693.5p miR	TJU_CMC.ID05693.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05694.5p miR	TJU_CMC.ID05694.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05695.5p miR	TJU_CMC.ID05695.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05696.3p miR	TJU_CMC.ID05696.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05697.5p miR	TJU_CMC.ID05697.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05698.3p miR	TJU_CMC.ID05698.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05699.5p miR	TJU_CMC.ID05699.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05700.5p miR	TJU_CMC.ID05700.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05701.5p miR	TJU_CMC.ID05701.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05702.5p miR	TJU_CMC.ID05702.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05703.3p miR	TJU_CMC.ID05703.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05704.3p miR	TJU_CMC.ID05704.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05705.5p miR	TJU_CMC.ID05705.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05706.5p miR	TJU_CMC.ID05706.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05707.3p miR	TJU_CMC.ID05707.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05708.3p miR	TJU_CMC.ID05708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05709.3p miR	TJU_CMC.ID05709.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05710.5p miR	TJU_CMC.ID05710.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05711.5p miR	TJU_CMC.ID05711.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05712.5p miR	TJU_CMC.ID05712.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05713.5p miR	TJU_CMC.ID05713.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05714.5p miR	TJU_CMC.ID05714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05715.5p miR	TJU_CMC.ID05715.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05716.5p miR	TJU_CMC.ID05716.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID05717.3p miR	TJU_CMC.ID05717.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05718.3p miR	TJU_CMC.ID05718.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05719.5p miR	TJU_CMC.ID05719.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05720.3p miR	TJU_CMC.ID05720.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05721.3p miR	TJU_CMC.ID05721.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05722.3p miR	TJU_CMC.ID05722.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05723.5p miR	TJU_CMC.ID05723.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05724.3p miR	TJU_CMC.ID05724.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05725.5p miR	TJU_CMC.ID05725.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05726.5p miR	TJU_CMC.ID05726.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05727.5p miR	TJU_CMC.ID05727.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05728.5p miR	TJU_CMC.ID05728.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05729.3p miR	TJU_CMC.ID05729.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05730.3p miR	TJU_CMC.ID05730.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05731.3p miR	TJU_CMC.ID05731.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05732.3p miR	TJU_CMC.ID05732.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05733.3p miR	TJU_CMC.ID05733.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05734.3p miR	TJU_CMC.ID05734.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05735.3p miR	TJU_CMC.ID05735.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05736.3p miR	TJU_CMC.ID05736.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05737.5p miR	TJU_CMC.ID05737.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05738.5p miR	TJU_CMC.ID05738.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05739.3p miR	TJU_CMC.ID05739.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05740.5p miR	TJU_CMC.ID05740.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05741.5p miR	TJU_CMC.ID05741.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05742.3p miR	TJU_CMC.ID05742.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05743.5p miR	TJU_CMC.ID05743.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05744.3p miR	TJU_CMC.ID05744.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05745.5p miR	TJU_CMC.ID05745.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05746.5p miR	TJU_CMC.ID05746.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05747.5p miR	TJU_CMC.ID05747.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05748.3p miR	TJU_CMC.ID05748.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05749.3p miR	TJU_CMC.ID05749.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05750.5p miR	TJU_CMC.ID05750.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05751.3p miR	TJU_CMC.ID05751.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05752.3p miR	TJU_CMC.ID05752.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	

TJU_CMC.ID05753.3p miR	TJU_CMC.ID05753.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05754.5p miR	TJU_CMC.ID05754.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05755.5p miR	TJU_CMC.ID05755.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05756.5p miR	TJU_CMC.ID05756.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05757.3p miR	TJU_CMC.ID05757.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05758.5p miR	TJU_CMC.ID05758.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05759.3p miR	TJU_CMC.ID05759.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05760.5p miR	TJU_CMC.ID05760.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05761.5p miR	TJU_CMC.ID05761.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05762.3p miR	TJU_CMC.ID05762.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05763.3p miR	TJU_CMC.ID05763.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05764.5p miR	TJU_CMC.ID05764.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05765.3p miR	TJU_CMC.ID05765.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05766.3p miR	TJU_CMC.ID05766.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05767.3p miR	TJU_CMC.ID05767.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05768.3p miR	TJU_CMC.ID05768.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05769.5p miR	TJU_CMC.ID05769.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05770.3p miR	TJU_CMC.ID05770.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05771.3p miR	TJU_CMC.ID05771.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05772.5p miR	TJU_CMC.ID05772.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05773.3p miR	TJU_CMC.ID05773.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05774.5p miR	TJU_CMC.ID05774.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05775.5p miR	TJU_CMC.ID05775.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05776.5p miR	TJU_CMC.ID05776.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05777.3p miR	TJU_CMC.ID05777.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05778.3p miR	TJU_CMC.ID05778.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05779.3p miR	TJU_CMC.ID05779.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05780.3p miR	TJU_CMC.ID05780.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05781.3p miR	TJU_CMC.ID05781.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05782.5p miR	TJU_CMC.ID05782.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05783.3p miR	TJU_CMC.ID05783.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05784.5p miR	TJU_CMC.ID05784.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05785.3p miR	TJU_CMC.ID05785.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05786.5p miR	TJU_CMC.ID05786.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05787.3p miR	TJU_CMC.ID05787.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05788.5p miR	TJU_CMC.ID05788.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID05789.5p miR	TJU_CMC.ID05789.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05790.3p miR	TJU_CMC.ID05790.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05791.3p miR	TJU_CMC.ID05791.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05792.5p miR	TJU_CMC.ID05792.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05793.5p miR	TJU_CMC.ID05793.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05794.5p miR	TJU_CMC.ID05794.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05795.3p miR	TJU_CMC.ID05795.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05796.5p miR	TJU_CMC.ID05796.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05797.5p miR	TJU_CMC.ID05797.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05798.5p miR	TJU_CMC.ID05798.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID05799.5p miR	TJU_CMC.ID05799.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05800.3p miR	TJU_CMC.ID05800.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05801.3p miR	TJU_CMC.ID05801.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05802.5p miR	TJU_CMC.ID05802.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05803.5p miR	TJU_CMC.ID05803.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05804.5p miR	TJU_CMC.ID05804.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05805.3p miR	TJU_CMC.ID05805.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05806.3p miR	TJU_CMC.ID05806.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05807.3p miR	TJU_CMC.ID05807.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05808.5p miR	TJU_CMC.ID05808.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05809.3p miR	TJU_CMC.ID05809.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05810.5p miR	TJU_CMC.ID05810.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05811.3p miR	TJU_CMC.ID05811.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05812.3p miR	TJU_CMC.ID05812.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID05813.5p miR	TJU_CMC.ID05813.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05814.3p miR	TJU_CMC.ID05814.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05815.3p miR	TJU_CMC.ID05815.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05816.5p miR	TJU_CMC.ID05816.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05817.5p miR	TJU_CMC.ID05817.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05818.5p miR	TJU_CMC.ID05818.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05819.5p miR	TJU_CMC.ID05819.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05820.5p miR	TJU_CMC.ID05820.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05821.5p miR	TJU_CMC.ID05821.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05822.5p miR	TJU_CMC.ID05822.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05823.5p miR	TJU_CMC.ID05823.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05824.3p miR	TJU_CMC.ID05824.hairpin	YES	YES YES	NO	YES	NO	NO	NO	

TJU_CMC.ID05825.5p miR	TJU_CMC.ID05825.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05826.5p miR	TJU_CMC.ID05826.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05827.3p miR	TJU_CMC.ID05827.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05828.5p miR	TJU_CMC.ID05828.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05829.5p miR	TJU_CMC.ID05829.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05830.3p miR	TJU_CMC.ID05830.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05831.5p miR	TJU_CMC.ID05831.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05832.5p miR	TJU_CMC.ID05832.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05833.5p miR	TJU_CMC.ID05833.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05834.3p miR	TJU_CMC.ID05834.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05835.5p miR	TJU_CMC.ID05835.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05836.3p miR	TJU_CMC.ID05836.hairpin	YES	NO	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05837.3p miR	TJU_CMC.ID05837.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05838.5p miR	TJU_CMC.ID05838.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05839.5p miR	TJU_CMC.ID05839.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05840.5p miR	TJU_CMC.ID05840.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05841.5p miR	TJU_CMC.ID05841.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05842.3p miR	TJU_CMC.ID05842.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05843.5p miR	TJU_CMC.ID05843.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05844.3p miR	TJU_CMC.ID05844.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05845.3p miR	TJU_CMC.ID05845.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05846.5p miR	TJU_CMC.ID05846.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05847.5p miR	TJU_CMC.ID05847.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05848.5p miR	TJU_CMC.ID05848.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05849.5p miR	TJU_CMC.ID05849.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05850.5p miR	TJU_CMC.ID05850.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05851.5p miR	TJU_CMC.ID05851.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05852.5p miR	TJU_CMC.ID05852.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05853.5p miR	TJU_CMC.ID05853.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05854.5p miR	TJU_CMC.ID05854.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05855.5p miR	TJU_CMC.ID05855.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05856.3p miR	TJU_CMC.ID05856.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05857.5p miR	TJU_CMC.ID05857.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05858.3p miR	TJU_CMC.ID05858.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05859.3p miR	TJU_CMC.ID05859.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05860.3p miR	TJU_CMC.ID05860.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID05861.5p miR	TJU_CMC.ID05861.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05862.5p miR	TJU_CMC.ID05862.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05863.3p miR	TJU_CMC.ID05863.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05864.5p miR	TJU_CMC.ID05864.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05865.3p miR	TJU_CMC.ID05865.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05866.3p miR	TJU_CMC.ID05866.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05867.3p miR	TJU_CMC.ID05867.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05868.3p miR	TJU_CMC.ID05868.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05869.3p miR	TJU_CMC.ID05869.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05870.3p miR	TJU_CMC.ID05870.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID05871.5p miR	TJU_CMC.ID05871.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05872.3p miR	TJU_CMC.ID05872.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05873.5p miR	TJU_CMC.ID05873.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05874.5p miR	TJU_CMC.ID05874.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05875.5p miR	TJU_CMC.ID05875.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05876.5p miR	TJU_CMC.ID05876.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05877.3p miR	TJU_CMC.ID05877.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05878.3p miR	TJU_CMC.ID05878.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05879.5p miR	TJU_CMC.ID05879.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05880.5p miR	TJU_CMC.ID05880.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05881.5p miR	TJU_CMC.ID05881.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05882.3p miR	TJU_CMC.ID05882.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05883.5p miR	TJU_CMC.ID05883.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05884.5p miR	TJU_CMC.ID05884.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05885.5p miR	TJU_CMC.ID05885.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05886.3p miR	TJU_CMC.ID05886.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID05887.5p miR	TJU_CMC.ID05887.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05888.3p miR	TJU_CMC.ID05888.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05889.3p miR	TJU_CMC.ID05889.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05890.5p miR	TJU_CMC.ID05890.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05891.3p miR	TJU_CMC.ID05891.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05892.3p miR	TJU_CMC.ID05892.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID05893.3p miR	TJU_CMC.ID05893.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05894.3p miR	TJU_CMC.ID05894.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID05895.5p miR	TJU_CMC.ID05895.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID05896.3p miR	TJU_CMC.ID05896.hairpin	YES	YES YES	YES	NO	NO	NO	NO	

TJU_CMC.ID05897.3p miR	TJU_CMC.ID05897.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05898.5p miR	TJU_CMC.ID05898.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05899.3p miR	TJU_CMC.ID05899.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05900.5p miR	TJU_CMC.ID05900.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05901.3p miR	TJU_CMC.ID05901.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05902.3p miR	TJU_CMC.ID05902.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05903.3p miR	TJU_CMC.ID05903.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05904.3p miR	TJU_CMC.ID05904.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05905.5p miR	TJU_CMC.ID05905.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05906.5p miR	TJU_CMC.ID05906.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID05907.3p miR	TJU_CMC.ID05907.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05908.5p miR	TJU_CMC.ID05908.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05909.3p miR	TJU_CMC.ID05909.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05910.5p miR	TJU_CMC.ID05910.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05911.5p miR	TJU_CMC.ID05911.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05912.3p miR	TJU_CMC.ID05912.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05913.3p miR	TJU_CMC.ID05913.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05914.5p miR	TJU_CMC.ID05914.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05915.3p miR	TJU_CMC.ID05915.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05916.5p miR	TJU_CMC.ID05916.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05917.5p miR	TJU_CMC.ID05917.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05918.3p miR	TJU_CMC.ID05918.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05919.3p miR	TJU_CMC.ID05919.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05920.3p miR	TJU_CMC.ID05920.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05921.3p miR	TJU_CMC.ID05921.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05922.5p miR	TJU_CMC.ID05922.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05923.5p miR	TJU_CMC.ID05923.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05924.5p miR	TJU_CMC.ID05924.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05925.3p miR	TJU_CMC.ID05925.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05926.5p miR	TJU_CMC.ID05926.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05927.3p miR	TJU_CMC.ID05927.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05928.3p miR	TJU_CMC.ID05928.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05929.5p miR	TJU_CMC.ID05929.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05930.5p miR	TJU_CMC.ID05930.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05931.5p miR	TJU_CMC.ID05931.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05932.3p miR	TJU_CMC.ID05932.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID05933.3p miR	TJU_CMC.ID05933.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05934.3p miR	TJU_CMC.ID05934.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05935.5p miR	TJU_CMC.ID05935.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05936.3p miR	TJU_CMC.ID05936.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05937.5p miR	TJU_CMC.ID05937.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05938.3p miR	TJU_CMC.ID05938.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05939.3p miR	TJU_CMC.ID05939.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05940.3p miR	TJU_CMC.ID05940.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05941.5p miR	TJU_CMC.ID05941.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05942.5p miR	TJU_CMC.ID05942.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05943.5p miR	TJU_CMC.ID05943.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05944.5p miR	TJU_CMC.ID05944.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05945.5p miR	TJU_CMC.ID05945.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05946.3p miR	TJU_CMC.ID05946.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05947.5p miR	TJU_CMC.ID05947.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05948.3p miR	TJU_CMC.ID05948.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05949.3p miR	TJU_CMC.ID05949.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05950.3p miR	TJU_CMC.ID05950.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05951.5p miR	TJU_CMC.ID05951.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID05952.5p miR	TJU_CMC.ID05952.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05953.3p miR	TJU_CMC.ID05953.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05954.5p miR	TJU_CMC.ID05954.hairpin	YES	YES YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID05955.5p miR	TJU_CMC.ID05955.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05956.5p miR	TJU_CMC.ID05956.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05957.5p miR	TJU_CMC.ID05957.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05958.5p miR	TJU_CMC.ID05958.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05959.3p miR	TJU_CMC.ID05959.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05960.5p miR	TJU_CMC.ID05960.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05961.5p miR	TJU_CMC.ID05961.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05962.5p miR	TJU_CMC.ID05962.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05963.5p miR	TJU_CMC.ID05963.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05964.5p miR	TJU_CMC.ID05964.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05965.5p miR	TJU_CMC.ID05965.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID05966.5p miR	TJU_CMC.ID05966.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05967.3p miR	TJU_CMC.ID05967.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID05968.5p miR	TJU_CMC.ID05968.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	

TJU_CMC.ID05969.5p miR	TJU_CMC.ID05969.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05970.3p miR	TJU_CMC.ID05970.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05971.3p miR	TJU_CMC.ID05971.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05972.3p miR	TJU_CMC.ID05972.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05973.3p miR	TJU_CMC.ID05973.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05974.3p miR	TJU_CMC.ID05974.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05975.5p miR	TJU_CMC.ID05975.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05976.5p miR	TJU_CMC.ID05976.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05977.3p miR	TJU_CMC.ID05977.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05978.3p miR	TJU_CMC.ID05978.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05979.3p miR	TJU_CMC.ID05979.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05980.5p miR	TJU_CMC.ID05980.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05981.5p miR	TJU_CMC.ID05981.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05982.5p miR	TJU_CMC.ID05982.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05983.5p miR	TJU_CMC.ID05983.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05984.3p miR	TJU_CMC.ID05984.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID05985.5p miR	TJU_CMC.ID05985.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05986.3p miR	TJU_CMC.ID05986.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05987.3p miR	TJU_CMC.ID05987.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05988.3p miR	TJU_CMC.ID05988.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05989.3p miR	TJU_CMC.ID05989.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05990.5p miR	TJU_CMC.ID05990.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05991.5p miR	TJU_CMC.ID05991.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05992.3p miR	TJU_CMC.ID05992.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID05993.3p miR	TJU_CMC.ID05993.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05994.5p miR	TJU_CMC.ID05994.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05995.3p miR	TJU_CMC.ID05995.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID05996.3p miR	TJU_CMC.ID05996.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05997.3p miR	TJU_CMC.ID05997.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05998.5p miR	TJU_CMC.ID05998.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID05999.5p miR	TJU_CMC.ID05999.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06000.3p miR	TJU_CMC.ID06000.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06001.5p miR	TJU_CMC.ID06001.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06002.5p miR	TJU_CMC.ID06002.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06003.5p miR	TJU_CMC.ID06003.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06004.3p miR	TJU_CMC.ID06004.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID06005.5p miR	TJU_CMC.ID06005.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06006.5p miR	TJU_CMC.ID06006.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06007.3p miR	TJU_CMC.ID06007.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06008.5p miR	TJU_CMC.ID06008.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06009.3p miR	TJU_CMC.ID06009.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06010.5p miR	TJU_CMC.ID06010.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06011.3p miR	TJU_CMC.ID06011.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06012.5p miR	TJU_CMC.ID06012.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06013.5p miR	TJU_CMC.ID06013.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06014.5p miR	TJU_CMC.ID06014.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06015.3p miR	TJU_CMC.ID06015.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06016.5p miR	TJU_CMC.ID06016.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06017.3p miR	TJU_CMC.ID06017.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06018.5p miR	TJU_CMC.ID06018.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06019.5p miR	TJU_CMC.ID06019.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06020.5p miR	TJU_CMC.ID06020.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06021.5p miR	TJU_CMC.ID06021.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06022.3p miR	TJU_CMC.ID06022.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06023.3p miR	TJU_CMC.ID06023.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06024.5p miR	TJU_CMC.ID06024.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06025.3p miR	TJU_CMC.ID06025.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06026.3p miR	TJU_CMC.ID06026.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06027.3p miR	TJU_CMC.ID06027.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06028.5p miR	TJU_CMC.ID06028.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06029.5p miR	TJU_CMC.ID06029.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06030.5p miR	TJU_CMC.ID06030.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06031.5p miR	TJU_CMC.ID06031.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06032.3p miR	TJU_CMC.ID06032.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06033.5p miR	TJU_CMC.ID06033.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06034.3p miR	TJU_CMC.ID06034.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06035.3p miR	TJU_CMC.ID06035.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06036.5p miR	TJU_CMC.ID06036.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06037.5p miR	TJU_CMC.ID06037.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06038.5p miR	TJU_CMC.ID06038.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06039.3p miR	TJU_CMC.ID06039.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06040.5p miR	TJU_CMC.ID06040.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID06041.3p miR	TJU_CMC.ID06041.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06042.3p miR	TJU_CMC.ID06042.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06043.5p miR	TJU_CMC.ID06043.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06044.3p miR	TJU_CMC.ID06044.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06045.3p miR	TJU_CMC.ID06045.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06046.3p miR	TJU_CMC.ID06046.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06047.5p miR	TJU_CMC.ID06047.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06048.5p miR	TJU_CMC.ID06048.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06049.3p miR	TJU_CMC.ID06049.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06050.3p miR	TJU_CMC.ID06050.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06051.5p miR	TJU_CMC.ID06051.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06052.3p miR	TJU_CMC.ID06052.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06053.3p miR	TJU_CMC.ID06053.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06054.5p miR	TJU_CMC.ID06054.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06055.5p miR	TJU_CMC.ID06055.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06056.5p miR	TJU_CMC.ID06056.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06057.5p miR	TJU_CMC.ID06057.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06058.3p miR	TJU_CMC.ID06058.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06059.5p miR	TJU_CMC.ID06059.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06060.3p miR	TJU_CMC.ID06060.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06061.5p miR	TJU_CMC.ID06061.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06062.5p miR	TJU_CMC.ID06062.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06063.5p miR	TJU_CMC.ID06063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06064.3p miR	TJU_CMC.ID06064.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06065.3p miR	TJU_CMC.ID06065.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06066.5p miR	TJU_CMC.ID06066.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06067.5p miR	TJU_CMC.ID06067.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06068.3p miR	TJU_CMC.ID06068.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06069.3p miR	TJU_CMC.ID06069.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06070.5p miR	TJU_CMC.ID06070.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06071.3p miR	TJU_CMC.ID06071.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06072.3p miR	TJU_CMC.ID06072.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06073.3p miR	TJU_CMC.ID06073.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06074.5p miR	TJU_CMC.ID06074.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06075.5p miR	TJU_CMC.ID06075.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06076.5p miR	TJU_CMC.ID06076.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID06077.3p miR	TJU_CMC.ID06077.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06078.5p miR	TJU_CMC.ID06078.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06079.5p miR	TJU_CMC.ID06079.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06080.3p miR	TJU_CMC.ID06080.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06081.3p miR	TJU_CMC.ID06081.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06082.3p miR	TJU_CMC.ID06082.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06083.5p miR	TJU_CMC.ID06083.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06084.5p miR	TJU_CMC.ID06084.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06085.3p miR	TJU_CMC.ID06085.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06086.3p miR	TJU_CMC.ID06086.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06087.3p miR	TJU_CMC.ID06087.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06088.3p miR	TJU_CMC.ID06088.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06089.3p miR	TJU_CMC.ID06089.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06090.5p miR	TJU_CMC.ID06090.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06091.5p miR	TJU_CMC.ID06091.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06092.3p miR	TJU_CMC.ID06092.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06093.3p miR	TJU_CMC.ID06093.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06094.5p miR	TJU_CMC.ID06094.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06095.3p miR	TJU_CMC.ID06095.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06096.3p miR	TJU_CMC.ID06096.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06097.5p miR	TJU_CMC.ID06097.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06098.5p miR	TJU_CMC.ID06098.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID06099.5p miR	TJU_CMC.ID06099.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06100.5p miR	TJU_CMC.ID06100.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06101.3p miR	TJU_CMC.ID06101.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06102.3p miR	TJU_CMC.ID06102.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06103.3p miR	TJU_CMC.ID06103.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06104.3p miR	TJU_CMC.ID06104.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06105.3p miR	TJU_CMC.ID06105.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06106.3p miR	TJU_CMC.ID06106.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06107.5p miR	TJU_CMC.ID06107.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06108.3p miR	TJU_CMC.ID06108.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06109.3p miR	TJU_CMC.ID06109.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06110.5p miR	TJU_CMC.ID06110.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06111.5p miR	TJU_CMC.ID06111.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06112.3p miR	TJU_CMC.ID06112.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID06113.5p miR	TJU_CMC.ID06113.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06114.5p miR	TJU_CMC.ID06114.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06115.3p miR	TJU_CMC.ID06115.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06116.3p miR	TJU_CMC.ID06116.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06117.5p miR	TJU_CMC.ID06117.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06118.3p miR	TJU_CMC.ID06118.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06119.5p miR	TJU_CMC.ID06119.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06120.5p miR	TJU_CMC.ID06120.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06121.5p miR	TJU_CMC.ID06121.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06122.5p miR	TJU_CMC.ID06122.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06123.5p miR	TJU_CMC.ID06123.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06124.5p miR	TJU_CMC.ID06124.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06125.3p miR	TJU_CMC.ID06125.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06126.3p miR	TJU_CMC.ID06126.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06127.5p miR	TJU_CMC.ID06127.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06128.5p miR	TJU_CMC.ID06128.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06129.3p miR	TJU_CMC.ID06129.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06130.5p miR	TJU_CMC.ID06130.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06131.5p miR	TJU_CMC.ID06131.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06132.3p miR	TJU_CMC.ID06132.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06133.3p miR	TJU_CMC.ID06133.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06134.3p miR	TJU_CMC.ID06134.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06135.5p miR	TJU_CMC.ID06135.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06136.5p miR	TJU_CMC.ID06136.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06137.5p miR	TJU_CMC.ID06137.hairpin	YES	YES YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06138.3p miR	TJU_CMC.ID06138.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06139.5p miR	TJU_CMC.ID06139.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06140.3p miR	TJU_CMC.ID06140.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06141.3p miR	TJU_CMC.ID06141.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06142.5p miR	TJU_CMC.ID06142.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06143.5p miR	TJU_CMC.ID06143.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06144.5p miR	TJU_CMC.ID06144.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06145.3p miR	TJU_CMC.ID06145.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06146.3p miR	TJU_CMC.ID06146.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06147.3p miR	TJU_CMC.ID06147.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06148.3p miR	TJU_CMC.ID06148.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID06149.5p miR	TJU_CMC.ID06149.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06150.3p miR	TJU_CMC.ID06150.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06151.5p miR	TJU_CMC.ID06151.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06152.5p miR	TJU_CMC.ID06152.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06153.5p miR	TJU_CMC.ID06153.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06154.3p miR	TJU_CMC.ID06154.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06155.3p miR	TJU_CMC.ID06155.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06156.5p miR	TJU_CMC.ID06156.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06157.3p miR	TJU_CMC.ID06157.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06158.3p miR	TJU_CMC.ID06158.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06159.5p miR	TJU_CMC.ID06159.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06160.3p miR	TJU_CMC.ID06160.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06161.5p miR	TJU_CMC.ID06161.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06162.3p miR	TJU_CMC.ID06162.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06163.3p miR	TJU_CMC.ID06163.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06164.3p miR	TJU_CMC.ID06164.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06165.3p miR	TJU_CMC.ID06165.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06166.5p miR	TJU_CMC.ID06166.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06167.3p miR	TJU_CMC.ID06167.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06168.5p miR	TJU_CMC.ID06168.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06169.5p miR	TJU_CMC.ID06169.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06170.3p miR	TJU_CMC.ID06170.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06171.5p miR	TJU_CMC.ID06171.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06172.3p miR	TJU_CMC.ID06172.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06173.5p miR	TJU_CMC.ID06173.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06174.5p miR	TJU_CMC.ID06174.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06175.3p miR	TJU_CMC.ID06175.hairpin	YES	NO	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06176.3p miR	TJU_CMC.ID06176.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06177.3p miR	TJU_CMC.ID06177.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06178.3p miR	TJU_CMC.ID06178.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06179.3p miR	TJU_CMC.ID06179.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06180.3p miR	TJU_CMC.ID06180.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06181.5p miR	TJU_CMC.ID06181.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06182.3p miR	TJU_CMC.ID06182.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06183.3p miR	TJU_CMC.ID06183.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06184.5p miR	TJU_CMC.ID06184.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID06185.5p miR	TJU_CMC.ID06185.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06186.3p miR	TJU_CMC.ID06186.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06187.3p miR	TJU_CMC.ID06187.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06188.5p miR	TJU_CMC.ID06188.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06189.3p miR	TJU_CMC.ID06189.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06190.3p miR	TJU_CMC.ID06190.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06191.3p miR	TJU_CMC.ID06191.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06192.5p miR	TJU_CMC.ID06192.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06193.3p miR	TJU_CMC.ID06193.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06194.3p miR	TJU_CMC.ID06194.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06195.5p miR	TJU_CMC.ID06195.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06196.3p miR	TJU_CMC.ID06196.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06197.3p miR	TJU_CMC.ID06197.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06198.3p miR	TJU_CMC.ID06198.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06199.5p miR	TJU_CMC.ID06199.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06200.5p miR	TJU_CMC.ID06200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06201.5p miR	TJU_CMC.ID06201.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06202.5p miR	TJU_CMC.ID06202.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06203.5p miR	TJU_CMC.ID06203.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06204.3p miR	TJU_CMC.ID06204.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06205.3p miR	TJU_CMC.ID06205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06206.5p miR	TJU_CMC.ID06206.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06207.5p miR	TJU_CMC.ID06207.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06208.3p miR	TJU_CMC.ID06208.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06209.3p miR	TJU_CMC.ID06209.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06210.5p miR	TJU_CMC.ID06210.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06211.5p miR	TJU_CMC.ID06211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06212.5p miR	TJU_CMC.ID06212.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06213.5p miR	TJU_CMC.ID06213.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06214.3p miR	TJU_CMC.ID06214.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06215.3p miR	TJU_CMC.ID06215.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06216.3p miR	TJU_CMC.ID06216.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06217.3p miR	TJU_CMC.ID06217.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06218.3p miR	TJU_CMC.ID06218.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06219.5p miR	TJU_CMC.ID06219.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06220.3p miR	TJU_CMC.ID06220.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06221.3p miR	TJU_CMC.ID06221.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06222.3p miR	TJU_CMC.ID06222.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06223.5p miR	TJU_CMC.ID06223.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID06224.5p miR	TJU_CMC.ID06224.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06225.5p miR	TJU_CMC.ID06225.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06226.3p miR	TJU_CMC.ID06226.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06227.5p miR	TJU_CMC.ID06227.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06228.3p miR	TJU_CMC.ID06228.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06229.5p miR	TJU_CMC.ID06229.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06230.3p miR	TJU_CMC.ID06230.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06231.3p miR	TJU_CMC.ID06231.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06232.3p miR	TJU_CMC.ID06232.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06233.3p miR	TJU_CMC.ID06233.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06234.3p miR	TJU_CMC.ID06234.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06235.3p miR	TJU_CMC.ID06235.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06236.5p miR	TJU_CMC.ID06236.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06237.5p miR	TJU_CMC.ID06237.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06238.3p miR	TJU_CMC.ID06238.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06239.3p miR	TJU_CMC.ID06239.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06240.3p miR	TJU_CMC.ID06240.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06241.5p miR	TJU_CMC.ID06241.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06242.3p miR	TJU_CMC.ID06242.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06243.5p miR	TJU_CMC.ID06243.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06244.3p miR	TJU_CMC.ID06244.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06245.3p miR	TJU_CMC.ID06245.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06246.3p miR	TJU_CMC.ID06246.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06247.5p miR	TJU_CMC.ID06247.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06248.5p miR	TJU_CMC.ID06248.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06249.5p miR	TJU_CMC.ID06249.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06250.5p miR	TJU_CMC.ID06250.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06251.3p miR	TJU_CMC.ID06251.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06252.5p miR	TJU_CMC.ID06252.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06253.3p miR	TJU_CMC.ID06253.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06254.3p miR	TJU_CMC.ID06254.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06255.3p miR	TJU_CMC.ID06255.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06256.3p miR	TJU_CMC.ID06256.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06257.3p miR	TJU_CMC.ID06257.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID06258.5p miR	TJU_CMC.ID06258.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06259.5p miR	TJU_CMC.ID06259.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06260.3p miR	TJU_CMC.ID06260.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06261.5p miR	TJU_CMC.ID06261.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06262.5p miR	TJU_CMC.ID06262.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06263.3p miR	TJU_CMC.ID06263.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06264.5p miR	TJU_CMC.ID06264.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06265.3p miR	TJU_CMC.ID06265.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06266.5p miR	TJU_CMC.ID06266.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06267.3p miR	TJU_CMC.ID06267.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06268.5p miR	TJU_CMC.ID06268.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06269.3p miR	TJU_CMC.ID06269.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06270.3p miR	TJU_CMC.ID06270.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06271.3p miR	TJU_CMC.ID06271.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06272.3p miR	TJU_CMC.ID06272.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06273.5p miR	TJU_CMC.ID06273.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06274.5p miR	TJU_CMC.ID06274.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06275.3p miR	TJU_CMC.ID06275.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06276.3p miR	TJU_CMC.ID06276.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06277.3p miR	TJU_CMC.ID06277.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06278.5p miR	TJU_CMC.ID06278.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06279.3p miR	TJU_CMC.ID06279.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06280.5p miR	TJU_CMC.ID06280.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06281.3p miR	TJU_CMC.ID06281.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06282.3p miR	TJU_CMC.ID06282.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06283.3p miR	TJU_CMC.ID06283.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06284.5p miR	TJU_CMC.ID06284.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06285.5p miR	TJU_CMC.ID06285.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06286.3p miR	TJU_CMC.ID06286.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06287.3p miR	TJU_CMC.ID06287.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06288.3p miR	TJU_CMC.ID06288.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06289.5p miR	TJU_CMC.ID06289.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06290.5p miR	TJU_CMC.ID06290.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06291.3p miR	TJU_CMC.ID06291.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06292.5p miR	TJU_CMC.ID06292.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	

TJU_CMC.ID06293.5p miR	TJU_CMC.ID06293.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06294.3p miR	TJU_CMC.ID06294.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06295.3p miR	TJU_CMC.ID06295.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06296.3p miR	TJU_CMC.ID06296.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06297.3p miR	TJU_CMC.ID06297.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06298.5p miR	TJU_CMC.ID06298.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06299.3p miR	TJU_CMC.ID06299.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06300.5p miR	TJU_CMC.ID06300.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06301.5p miR	TJU_CMC.ID06301.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06302.3p miR	TJU_CMC.ID06302.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06303.5p miR	TJU_CMC.ID06303.hairpin	YES	YES YES	YES	NO	YES	NO	NO	
TJU_CMC.ID06304.3p miR	TJU_CMC.ID06304.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06305.5p miR	TJU_CMC.ID06305.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06306.5p miR	TJU_CMC.ID06306.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06307.3p miR	TJU_CMC.ID06307.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06308.3p miR	TJU_CMC.ID06308.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06309.3p miR	TJU_CMC.ID06309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06310.3p miR	TJU_CMC.ID06310.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06311.5p miR	TJU_CMC.ID06311.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06312.3p miR	TJU_CMC.ID06312.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06313.3p miR	TJU_CMC.ID06313.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06314.3p miR	TJU_CMC.ID06314.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06315.5p miR	TJU_CMC.ID06315.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06316.5p miR	TJU_CMC.ID06316.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06317.3p miR	TJU_CMC.ID06317.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06318.3p miR	TJU_CMC.ID06318.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06319.5p miR	TJU_CMC.ID06319.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06320.3p miR	TJU_CMC.ID06320.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06321.3p miR	TJU_CMC.ID06321.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06322.5p miR	TJU_CMC.ID06322.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06323.5p miR	TJU_CMC.ID06323.hairpin	YES	NO YES	YES	NO	YES	NO	NO	
TJU_CMC.ID06324.5p miR	TJU_CMC.ID06324.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06325.3p miR	TJU_CMC.ID06325.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06326.5p miR	TJU_CMC.ID06326.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06327.3p miR	TJU_CMC.ID06327.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06328.3p miR	TJU_CMC.ID06328.hairpin	YES	YES YES	NO	YES	NO	NO	NO	

TJU_CMC.ID06329.5p miR	TJU_CMC.ID06329.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06330.3p miR	TJU_CMC.ID06330.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06331.5p miR	TJU_CMC.ID06331.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06332.3p miR	TJU_CMC.ID06332.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06333.5p miR	TJU_CMC.ID06333.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06334.5p miR	TJU_CMC.ID06334.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06335.5p miR	TJU_CMC.ID06335.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06336.5p miR	TJU_CMC.ID06336.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06337.5p miR	TJU_CMC.ID06337.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06338.3p miR	TJU_CMC.ID06338.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06339.3p miR	TJU_CMC.ID06339.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06340.5p miR	TJU_CMC.ID06340.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06341.5p miR	TJU_CMC.ID06341.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06342.5p miR	TJU_CMC.ID06342.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06343.3p miR	TJU_CMC.ID06343.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06344.3p miR	TJU_CMC.ID06344.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06345.5p miR	TJU_CMC.ID06345.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06346.5p miR	TJU_CMC.ID06346.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06347.3p miR	TJU_CMC.ID06347.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06348.3p miR	TJU_CMC.ID06348.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06349.5p miR	TJU_CMC.ID06349.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06350.3p miR	TJU_CMC.ID06350.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06351.3p miR	TJU_CMC.ID06351.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06352.3p miR	TJU_CMC.ID06352.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06353.3p miR	TJU_CMC.ID06353.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06354.5p miR	TJU_CMC.ID06354.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06355.3p miR	TJU_CMC.ID06355.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06356.3p miR	TJU_CMC.ID06356.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06357.3p miR	TJU_CMC.ID06357.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06358.3p miR	TJU_CMC.ID06358.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06359.5p miR	TJU_CMC.ID06359.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06360.5p miR	TJU_CMC.ID06360.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06361.5p miR	TJU_CMC.ID06361.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06362.5p miR	TJU_CMC.ID06362.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06363.3p miR	TJU_CMC.ID06363.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06364.3p miR	TJU_CMC.ID06364.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06365.3p miR	TJU_CMC.ID06365.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06366.3p miR	TJU_CMC.ID06366.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06367.3p miR	TJU_CMC.ID06367.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06368.5p miR	TJU_CMC.ID06368.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06369.3p miR	TJU_CMC.ID06369.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06370.5p miR	TJU_CMC.ID06370.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06371.3p miR	TJU_CMC.ID06371.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06372.5p miR	TJU_CMC.ID06372.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06373.5p miR	TJU_CMC.ID06373.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06374.3p miR	TJU_CMC.ID06374.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06375.5p miR	TJU_CMC.ID06375.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06376.3p miR	TJU_CMC.ID06376.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06377.3p miR	TJU_CMC.ID06377.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06378.5p miR	TJU_CMC.ID06378.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06379.5p miR	TJU_CMC.ID06379.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06380.3p miR	TJU_CMC.ID06380.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06381.5p miR	TJU_CMC.ID06381.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06382.3p miR	TJU_CMC.ID06382.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06383.5p miR	TJU_CMC.ID06383.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06384.3p miR	TJU_CMC.ID06384.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06385.3p miR	TJU_CMC.ID06385.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06386.5p miR	TJU_CMC.ID06386.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06387.5p miR	TJU_CMC.ID06387.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06388.5p miR	TJU_CMC.ID06388.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06389.5p miR	TJU_CMC.ID06389.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06390.5p miR	TJU_CMC.ID06390.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06391.3p miR	TJU_CMC.ID06391.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06392.5p miR	TJU_CMC.ID06392.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06393.3p miR	TJU_CMC.ID06393.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06394.3p miR	TJU_CMC.ID06394.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06395.3p miR	TJU_CMC.ID06395.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06396.5p miR	TJU_CMC.ID06396.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06397.5p miR	TJU_CMC.ID06397.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06398.3p miR	TJU_CMC.ID06398.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06399.3p miR	TJU_CMC.ID06399.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06400.3p miR	TJU_CMC.ID06400.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06401.3p miR	TJU_CMC.ID06401.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06402.5p miR	TJU_CMC.ID06402.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06403.5p miR	TJU_CMC.ID06403.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06404.3p miR	TJU_CMC.ID06404.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06405.3p miR	TJU_CMC.ID06405.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06406.3p miR	TJU_CMC.ID06406.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06407.5p miR	TJU_CMC.ID06407.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06408.3p miR	TJU_CMC.ID06408.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06409.5p miR	TJU_CMC.ID06409.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06410.3p miR	TJU_CMC.ID06410.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06411.3p miR	TJU_CMC.ID06411.hairpin	YES	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06412.5p miR	TJU_CMC.ID06412.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06413.3p miR	TJU_CMC.ID06413.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06414.5p miR	TJU_CMC.ID06414.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06415.3p miR	TJU_CMC.ID06415.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06416.3p miR	TJU_CMC.ID06416.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06417.5p miR	TJU_CMC.ID06417.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06418.5p miR	TJU_CMC.ID06418.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06419.5p miR	TJU_CMC.ID06419.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06420.5p miR	TJU_CMC.ID06420.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06421.5p miR	TJU_CMC.ID06421.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06422.3p miR	TJU_CMC.ID06422.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06423.5p miR	TJU_CMC.ID06423.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06424.5p miR	TJU_CMC.ID06424.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06425.5p miR	TJU_CMC.ID06425.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06426.3p miR	TJU_CMC.ID06426.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06427.5p miR	TJU_CMC.ID06427.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06428.5p miR	TJU_CMC.ID06428.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06429.5p miR	TJU_CMC.ID06429.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06430.5p miR	TJU_CMC.ID06430.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06431.5p miR	TJU_CMC.ID06431.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06432.3p miR	TJU_CMC.ID06432.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06433.3p miR	TJU_CMC.ID06433.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06434.5p miR	TJU_CMC.ID06434.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06435.3p miR	TJU_CMC.ID06435.hairpin	YES	NO	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06436.3p miR	TJU_CMC.ID06436.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC.ID06437.3p miR	TJU_CMC.ID06437.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06438.5p miR	TJU_CMC.ID06438.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06439.5p miR	TJU_CMC.ID06439.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06440.5p miR	TJU_CMC.ID06440.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06441.3p miR	TJU_CMC.ID06441.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06442.3p miR	TJU_CMC.ID06442.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06443.5p miR	TJU_CMC.ID06443.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06444.3p miR	TJU_CMC.ID06444.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06445.5p miR	TJU_CMC.ID06445.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06446.3p miR	TJU_CMC.ID06446.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06447.5p miR	TJU_CMC.ID06447.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06448.5p miR	TJU_CMC.ID06448.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06449.5p miR	TJU_CMC.ID06449.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06450.5p miR	TJU_CMC.ID06450.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06451.5p miR	TJU_CMC.ID06451.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06452.5p miR	TJU_CMC.ID06452.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06453.3p miR	TJU_CMC.ID06453.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06454.3p miR	TJU_CMC.ID06454.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06455.5p miR	TJU_CMC.ID06455.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06456.3p miR	TJU_CMC.ID06456.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06457.5p miR	TJU_CMC.ID06457.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06458.3p miR	TJU_CMC.ID06458.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06459.5p miR	TJU_CMC.ID06459.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06460.5p miR	TJU_CMC.ID06460.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06461.3p miR	TJU_CMC.ID06461.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06462.5p miR	TJU_CMC.ID06462.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06463.5p miR	TJU_CMC.ID06463.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06464.3p miR	TJU_CMC.ID06464.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06465.5p miR	TJU_CMC.ID06465.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06466.5p miR	TJU_CMC.ID06466.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06467.5p miR	TJU_CMC.ID06467.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06468.3p miR	TJU_CMC.ID06468.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06469.3p miR	TJU_CMC.ID06469.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06470.3p miR	TJU_CMC.ID06470.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06471.5p miR	TJU_CMC.ID06471.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06472.3p miR	TJU_CMC.ID06472.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID06473.5p miR	TJU_CMC.ID06473.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06474.3p miR	TJU_CMC.ID06474.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06475.3p miR	TJU_CMC.ID06475.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06476.3p miR	TJU_CMC.ID06476.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06477.5p miR	TJU_CMC.ID06477.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06478.3p miR	TJU_CMC.ID06478.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06479.5p miR	TJU_CMC.ID06479.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06480.5p miR	TJU_CMC.ID06480.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06481.3p miR	TJU_CMC.ID06481.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06482.3p miR	TJU_CMC.ID06482.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06483.5p miR	TJU_CMC.ID06483.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06484.5p miR	TJU_CMC.ID06484.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06485.5p miR	TJU_CMC.ID06485.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06486.5p miR	TJU_CMC.ID06486.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06487.5p miR	TJU_CMC.ID06487.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06488.5p miR	TJU_CMC.ID06488.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06489.5p miR	TJU_CMC.ID06489.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06490.3p miR	TJU_CMC.ID06490.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06491.5p miR	TJU_CMC.ID06491.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06492.3p miR	TJU_CMC.ID06492.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06493.5p miR	TJU_CMC.ID06493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06494.5p miR	TJU_CMC.ID06494.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06495.3p miR	TJU_CMC.ID06495.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06496.3p miR	TJU_CMC.ID06496.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06497.5p miR	TJU_CMC.ID06497.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06498.5p miR	TJU_CMC.ID06498.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06499.5p miR	TJU_CMC.ID06499.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06500.3p miR	TJU_CMC.ID06500.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06501.5p miR	TJU_CMC.ID06501.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06502.3p miR	TJU_CMC.ID06502.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06503.5p miR	TJU_CMC.ID06503.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06504.5p miR	TJU_CMC.ID06504.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06505.3p miR	TJU_CMC.ID06505.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06506.5p miR	TJU_CMC.ID06506.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06507.3p miR	TJU_CMC.ID06507.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06508.5p miR	TJU_CMC.ID06508.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06509.3p miR	TJU_CMC.ID06509.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06510.3p miR	TJU_CMC.ID06510.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06511.5p miR	TJU_CMC.ID06511.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06512.3p miR	TJU_CMC.ID06512.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06513.5p miR	TJU_CMC.ID06513.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06514.3p miR	TJU_CMC.ID06514.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06515.3p miR	TJU_CMC.ID06515.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06516.5p miR	TJU_CMC.ID06516.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06517.5p miR	TJU_CMC.ID06517.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06518.5p miR	TJU_CMC.ID06518.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06519.3p miR	TJU_CMC.ID06519.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06520.3p miR	TJU_CMC.ID06520.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06521.3p miR	TJU_CMC.ID06521.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06522.3p miR	TJU_CMC.ID06522.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06523.5p miR	TJU_CMC.ID06523.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06524.5p miR	TJU_CMC.ID06524.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06525.3p miR	TJU_CMC.ID06525.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06526.3p miR	TJU_CMC.ID06526.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06527.3p miR	TJU_CMC.ID06527.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06528.3p miR	TJU_CMC.ID06528.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06529.3p miR	TJU_CMC.ID06529.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06530.3p miR	TJU_CMC.ID06530.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06531.3p miR	TJU_CMC.ID06531.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06532.3p miR	TJU_CMC.ID06532.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06533.3p miR	TJU_CMC.ID06533.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06534.5p miR	TJU_CMC.ID06534.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06535.3p miR	TJU_CMC.ID06535.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06536.5p miR	TJU_CMC.ID06536.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06537.3p miR	TJU_CMC.ID06537.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06538.3p miR	TJU_CMC.ID06538.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06539.3p miR	TJU_CMC.ID06539.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06540.3p miR	TJU_CMC.ID06540.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06541.3p miR	TJU_CMC.ID06541.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06542.3p miR	TJU_CMC.ID06542.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06543.5p miR	TJU_CMC.ID06543.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06544.5p miR	TJU_CMC.ID06544.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06545.3p miR	TJU_CMC.ID06545.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06546.5p miR	TJU_CMC.ID06546.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06547.3p miR	TJU_CMC.ID06547.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06548.3p miR	TJU_CMC.ID06548.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06549.3p miR	TJU_CMC.ID06549.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06550.3p miR	TJU_CMC.ID06550.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06551.3p miR	TJU_CMC.ID06551.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06552.3p miR	TJU_CMC.ID06552.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06553.5p miR	TJU_CMC.ID06553.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06554.3p miR	TJU_CMC.ID06554.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06555.5p miR	TJU_CMC.ID06555.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06556.5p miR	TJU_CMC.ID06556.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06557.3p miR	TJU_CMC.ID06557.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06558.3p miR	TJU_CMC.ID06558.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06559.3p miR	TJU_CMC.ID06559.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06560.3p miR	TJU_CMC.ID06560.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06561.5p miR	TJU_CMC.ID06561.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06562.3p miR	TJU_CMC.ID06562.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06563.5p miR	TJU_CMC.ID06563.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06564.3p miR	TJU_CMC.ID06564.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06565.3p miR	TJU_CMC.ID06565.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06566.5p miR	TJU_CMC.ID06566.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06567.5p miR	TJU_CMC.ID06567.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06568.3p miR	TJU_CMC.ID06568.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06569.3p miR	TJU_CMC.ID06569.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06570.5p miR	TJU_CMC.ID06570.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06571.3p miR	TJU_CMC.ID06571.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06572.3p miR	TJU_CMC.ID06572.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06573.5p miR	TJU_CMC.ID06573.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06574.3p miR	TJU_CMC.ID06574.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06575.5p miR	TJU_CMC.ID06575.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06576.5p miR	TJU_CMC.ID06576.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06577.5p miR	TJU_CMC.ID06577.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06578.3p miR	TJU_CMC.ID06578.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06579.5p miR	TJU_CMC.ID06579.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06580.5p miR	TJU_CMC.ID06580.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID06581.5p miR	TJU_CMC.ID06581.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06582.3p miR	TJU_CMC.ID06582.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06583.3p miR	TJU_CMC.ID06583.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06584.3p miR	TJU_CMC.ID06584.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06585.5p miR	TJU_CMC.ID06585.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06586.5p miR	TJU_CMC.ID06586.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06587.5p miR	TJU_CMC.ID06587.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06588.3p miR	TJU_CMC.ID06588.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06589.5p miR	TJU_CMC.ID06589.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06590.3p miR	TJU_CMC.ID06590.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06591.3p miR	TJU_CMC.ID06591.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06592.3p miR	TJU_CMC.ID06592.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06593.5p miR	TJU_CMC.ID06593.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06594.3p miR	TJU_CMC.ID06594.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06595.5p miR	TJU_CMC.ID06595.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06596.3p miR	TJU_CMC.ID06596.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06597.5p miR	TJU_CMC.ID06597.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06598.5p miR	TJU_CMC.ID06598.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06599.5p miR	TJU_CMC.ID06599.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06600.5p miR	TJU_CMC.ID06600.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06601.3p miR	TJU_CMC.ID06601.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06602.5p miR	TJU_CMC.ID06602.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06603.5p miR	TJU_CMC.ID06603.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06604.3p miR	TJU_CMC.ID06604.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06605.5p miR	TJU_CMC.ID06605.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06606.5p miR	TJU_CMC.ID06606.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06607.3p miR	TJU_CMC.ID06607.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06608.3p miR	TJU_CMC.ID06608.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06609.5p miR	TJU_CMC.ID06609.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06610.5p miR	TJU_CMC.ID06610.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06611.3p miR	TJU_CMC.ID06611.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06612.5p miR	TJU_CMC.ID06612.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06613.5p miR	TJU_CMC.ID06613.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06614.5p miR	TJU_CMC.ID06614.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06615.3p miR	TJU_CMC.ID06615.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06616.5p miR	TJU_CMC.ID06616.hairpin	YES	NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06617.3p miR	TJU_CMC.ID06617.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06618.3p miR	TJU_CMC.ID06618.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06619.3p miR	TJU_CMC.ID06619.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06620.5p miR	TJU_CMC.ID06620.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06621.3p miR	TJU_CMC.ID06621.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06622.3p miR	TJU_CMC.ID06622.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06623.5p miR	TJU_CMC.ID06623.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06624.5p miR	TJU_CMC.ID06624.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID06625.3p miR	TJU_CMC.ID06625.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06626.3p miR	TJU_CMC.ID06626.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06627.3p miR	TJU_CMC.ID06627.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06628.3p miR	TJU_CMC.ID06628.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06629.5p miR	TJU_CMC.ID06629.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06630.5p miR	TJU_CMC.ID06630.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06631.5p miR	TJU_CMC.ID06631.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06632.3p miR	TJU_CMC.ID06632.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06633.3p miR	TJU_CMC.ID06633.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06634.3p miR	TJU_CMC.ID06634.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06635.5p miR	TJU_CMC.ID06635.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06636.5p miR	TJU_CMC.ID06636.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06637.5p miR	TJU_CMC.ID06637.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06638.3p miR	TJU_CMC.ID06638.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06639.3p miR	TJU_CMC.ID06639.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06640.5p miR	TJU_CMC.ID06640.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06641.5p miR	TJU_CMC.ID06641.hairpin	YES	NO YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06642.3p miR	TJU_CMC.ID06642.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06643.3p miR	TJU_CMC.ID06643.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06644.3p miR	TJU_CMC.ID06644.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06645.5p miR	TJU_CMC.ID06645.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06646.3p miR	TJU_CMC.ID06646.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06647.5p miR	TJU_CMC.ID06647.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06648.3p miR	TJU_CMC.ID06648.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06649.3p miR	TJU_CMC.ID06649.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06650.5p miR	TJU_CMC.ID06650.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06651.3p miR	TJU_CMC.ID06651.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06652.5p miR	TJU_CMC.ID06652.hairpin	YES	NO YES	NO	NO	NO	NO	NO	

TJU_CMC.ID06653.3p miR	TJU_CMC.ID06653.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06654.5p miR	TJU_CMC.ID06654.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06655.5p miR	TJU_CMC.ID06655.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06656.5p miR	TJU_CMC.ID06656.hairpin	YES	NO	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID06657.3p miR	TJU_CMC.ID06657.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06658.5p miR	TJU_CMC.ID06658.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06659.5p miR	TJU_CMC.ID06659.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06660.5p miR	TJU_CMC.ID06660.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06661.5p miR	TJU_CMC.ID06661.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06662.3p miR	TJU_CMC.ID06662.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06663.5p miR	TJU_CMC.ID06663.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06664.5p miR	TJU_CMC.ID06664.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06665.5p miR	TJU_CMC.ID06665.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06666.5p miR	TJU_CMC.ID06666.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06667.5p miR	TJU_CMC.ID06667.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06668.3p miR	TJU_CMC.ID06668.hairpin	YES	YES	YES	NC	NO	NO	NO	NO	
TJU_CMC.ID06669.3p miR	TJU_CMC.ID06669.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06670.5p miR	TJU_CMC.ID06670.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06671.5p miR	TJU_CMC.ID06671.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06672.3p miR	TJU_CMC.ID06672.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06673.3p miR	TJU_CMC.ID06673.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06674.5p miR	TJU_CMC.ID06674.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06675.5p miR	TJU_CMC.ID06675.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06676.5p miR	TJU_CMC.ID06676.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06677.5p miR	TJU_CMC.ID06677.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06678.5p miR	TJU_CMC.ID06678.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06679.5p miR	TJU_CMC.ID06679.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06680.3p miR	TJU_CMC.ID06680.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06681.3p miR	TJU_CMC.ID06681.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06682.5p miR	TJU_CMC.ID06682.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06683.3p miR	TJU_CMC.ID06683.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06684.5p miR	TJU_CMC.ID06684.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06685.3p miR	TJU_CMC.ID06685.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06686.3p miR	TJU_CMC.ID06686.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06687.3p miR	TJU_CMC.ID06687.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06688.3p miR	TJU_CMC.ID06688.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID06689.5p miR	TJU_CMC.ID06689.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06690.5p miR	TJU_CMC.ID06690.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06691.3p miR	TJU_CMC.ID06691.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06692.5p miR	TJU_CMC.ID06692.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06693.5p miR	TJU_CMC.ID06693.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06694.3p miR	TJU_CMC.ID06694.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06695.3p miR	TJU_CMC.ID06695.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06696.3p miR	TJU_CMC.ID06696.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06697.3p miR	TJU_CMC.ID06697.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06698.3p miR	TJU_CMC.ID06698.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06699.3p miR	TJU_CMC.ID06699.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06700.5p miR	TJU_CMC.ID06700.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06701.3p miR	TJU_CMC.ID06701.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06702.3p miR	TJU_CMC.ID06702.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06703.5p miR	TJU_CMC.ID06703.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06704.5p miR	TJU_CMC.ID06704.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06705.5p miR	TJU_CMC.ID06705.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06706.3p miR	TJU_CMC.ID06706.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06707.3p miR	TJU_CMC.ID06707.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06708.5p miR	TJU_CMC.ID06708.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06709.5p miR	TJU_CMC.ID06709.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06710.3p miR	TJU_CMC.ID06710.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06711.5p miR	TJU_CMC.ID06711.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06712.3p miR	TJU_CMC.ID06712.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06713.3p miR	TJU_CMC.ID06713.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06714.3p miR	TJU_CMC.ID06714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06715.5p miR	TJU_CMC.ID06715.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06716.3p miR	TJU_CMC.ID06716.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06717.5p miR	TJU_CMC.ID06717.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06718.3p miR	TJU_CMC.ID06718.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06719.5p miR	TJU_CMC.ID06719.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06720.3p miR	TJU_CMC.ID06720.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06721.3p miR	TJU_CMC.ID06721.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06722.5p miR	TJU_CMC.ID06722.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06723.5p miR	TJU_CMC.ID06723.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06724.5p miR	TJU_CMC.ID06724.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06725.3p miR	TJU_CMC.ID06725.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06726.3p miR	TJU_CMC.ID06726.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06727.3p miR	TJU_CMC.ID06727.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06728.5p miR	TJU_CMC.ID06728.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06729.5p miR	TJU_CMC.ID06729.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06730.3p miR	TJU_CMC.ID06730.hairpin	YES	NO NO	NC	NO	NO	NO	NO	NO
TJU_CMC.ID06731.3p miR	TJU_CMC.ID06731.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06732.5p miR	TJU_CMC.ID06732.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06733.5p miR	TJU_CMC.ID06733.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06734.3p miR	TJU_CMC.ID06734.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06735.5p miR	TJU_CMC.ID06735.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06736.5p miR	TJU_CMC.ID06736.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06737.5p miR	TJU_CMC.ID06737.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06738.5p miR	TJU_CMC.ID06738.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06739.3p miR	TJU_CMC.ID06739.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06740.5p miR	TJU_CMC.ID06740.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06741.5p miR	TJU_CMC.ID06741.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06742.5p miR	TJU_CMC.ID06742.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06743.3p miR	TJU_CMC.ID06743.hairpin	YES	YES YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID06744.5p miR	TJU_CMC.ID06744.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06745.3p miR	TJU_CMC.ID06745.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06746.5p miR	TJU_CMC.ID06746.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06747.3p miR	TJU_CMC.ID06747.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06748.3p miR	TJU_CMC.ID06748.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06749.3p miR	TJU_CMC.ID06749.hairpin	YES	YES YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID06750.3p miR	TJU_CMC.ID06750.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06751.3p miR	TJU_CMC.ID06751.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06752.5p miR	TJU_CMC.ID06752.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06753.5p miR	TJU_CMC.ID06753.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06754.3p miR	TJU_CMC.ID06754.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06755.3p miR	TJU_CMC.ID06755.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06756.3p miR	TJU_CMC.ID06756.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06757.3p miR	TJU_CMC.ID06757.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06758.3p miR	TJU_CMC.ID06758.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06759.5p miR	TJU_CMC.ID06759.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06760.3p miR	TJU_CMC.ID06760.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID06761.5p miR	TJU_CMC.ID06761.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06762.3p miR	TJU_CMC.ID06762.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06763.3p miR	TJU_CMC.ID06763.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06764.3p miR	TJU_CMC.ID06764.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06765.5p miR	TJU_CMC.ID06765.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06766.3p miR	TJU_CMC.ID06766.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06767.5p miR	TJU_CMC.ID06767.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06768.3p miR	TJU_CMC.ID06768.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06769.3p miR	TJU_CMC.ID06769.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID06770.3p miR	TJU_CMC.ID06770.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06771.3p miR	TJU_CMC.ID06771.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06772.5p miR	TJU_CMC.ID06772.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06773.3p miR	TJU_CMC.ID06773.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06774.5p miR	TJU_CMC.ID06774.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06775.5p miR	TJU_CMC.ID06775.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06776.5p miR	TJU_CMC.ID06776.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06777.5p miR	TJU_CMC.ID06777.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06778.5p miR	TJU_CMC.ID06778.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06779.5p miR	TJU_CMC.ID06779.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06780.5p miR	TJU_CMC.ID06780.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06781.5p miR	TJU_CMC.ID06781.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06782.3p miR	TJU_CMC.ID06782.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06783.5p miR	TJU_CMC.ID06783.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06784.5p miR	TJU_CMC.ID06784.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06785.3p miR	TJU_CMC.ID06785.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06786.3p miR	TJU_CMC.ID06786.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06787.5p miR	TJU_CMC.ID06787.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06788.3p miR	TJU_CMC.ID06788.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06789.5p miR	TJU_CMC.ID06789.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06790.3p miR	TJU_CMC.ID06790.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06791.3p miR	TJU_CMC.ID06791.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06792.5p miR	TJU_CMC.ID06792.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06793.5p miR	TJU_CMC.ID06793.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06794.3p miR	TJU_CMC.ID06794.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06795.3p miR	TJU_CMC.ID06795.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06796.3p miR	TJU_CMC.ID06796.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID06797.3p miR	TJU_CMC.ID06797.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06798.3p miR	TJU_CMC.ID06798.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06799.5p miR	TJU_CMC.ID06799.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06800.3p miR	TJU_CMC.ID06800.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06801.3p miR	TJU_CMC.ID06801.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06802.3p miR	TJU_CMC.ID06802.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06803.5p miR	TJU_CMC.ID06803.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06804.5p miR	TJU_CMC.ID06804.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06805.5p miR	TJU_CMC.ID06805.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06806.5p miR	TJU_CMC.ID06806.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06807.5p miR	TJU_CMC.ID06807.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06808.3p miR	TJU_CMC.ID06808.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06809.5p miR	TJU_CMC.ID06809.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06810.3p miR	TJU_CMC.ID06810.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06811.3p miR	TJU_CMC.ID06811.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06812.3p miR	TJU_CMC.ID06812.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06813.3p miR	TJU_CMC.ID06813.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06814.3p miR	TJU_CMC.ID06814.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06815.3p miR	TJU_CMC.ID06815.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06816.3p miR	TJU_CMC.ID06816.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06817.5p miR	TJU_CMC.ID06817.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06818.3p miR	TJU_CMC.ID06818.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06819.3p miR	TJU_CMC.ID06819.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06820.3p miR	TJU_CMC.ID06820.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06821.5p miR	TJU_CMC.ID06821.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06822.5p miR	TJU_CMC.ID06822.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06823.3p miR	TJU_CMC.ID06823.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06824.3p miR	TJU_CMC.ID06824.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06825.3p miR	TJU_CMC.ID06825.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06826.3p miR	TJU_CMC.ID06826.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06827.3p miR	TJU_CMC.ID06827.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06828.5p miR	TJU_CMC.ID06828.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06829.5p miR	TJU_CMC.ID06829.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06830.5p miR	TJU_CMC.ID06830.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06831.3p miR	TJU_CMC.ID06831.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06832.5p miR	TJU_CMC.ID06832.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID06833.3p miR	TJU_CMC.ID06833.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06834.3p miR	TJU_CMC.ID06834.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06835.3p miR	TJU_CMC.ID06835.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06836.5p miR	TJU_CMC.ID06836.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06837.5p miR	TJU_CMC.ID06837.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06838.5p miR	TJU_CMC.ID06838.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06839.5p miR	TJU_CMC.ID06839.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06840.5p miR	TJU_CMC.ID06840.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06841.5p miR	TJU_CMC.ID06841.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06842.3p miR	TJU_CMC.ID06842.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06843.3p miR	TJU_CMC.ID06843.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06844.3p miR	TJU_CMC.ID06844.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06845.3p miR	TJU_CMC.ID06845.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06846.5p miR	TJU_CMC.ID06846.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06847.3p miR	TJU_CMC.ID06847.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06848.3p miR	TJU_CMC.ID06848.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06849.3p miR	TJU_CMC.ID06849.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06850.5p miR	TJU_CMC.ID06850.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06851.3p miR	TJU_CMC.ID06851.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06852.3p miR	TJU_CMC.ID06852.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06853.5p miR	TJU_CMC.ID06853.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06854.5p miR	TJU_CMC.ID06854.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06855.5p miR	TJU_CMC.ID06855.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06856.5p miR	TJU_CMC.ID06856.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06857.5p miR	TJU_CMC.ID06857.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06858.5p miR	TJU_CMC.ID06858.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06859.3p miR	TJU_CMC.ID06859.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06860.3p miR	TJU_CMC.ID06860.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06861.5p miR	TJU_CMC.ID06861.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06862.3p miR	TJU_CMC.ID06862.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06863.5p miR	TJU_CMC.ID06863.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06864.5p miR	TJU_CMC.ID06864.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06865.5p miR	TJU_CMC.ID06865.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06866.5p miR	TJU_CMC.ID06866.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06867.3p miR	TJU_CMC.ID06867.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06868.5p miR	TJU_CMC.ID06868.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID06869.3p miR	TJU_CMC.ID06869.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06870.3p miR	TJU_CMC.ID06870.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06871.5p miR	TJU_CMC.ID06871.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06872.5p miR	TJU_CMC.ID06872.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06873.3p miR	TJU_CMC.ID06873.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06874.5p miR	TJU_CMC.ID06874.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06875.3p miR	TJU_CMC.ID06875.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06876.5p miR	TJU_CMC.ID06876.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06877.3p miR	TJU_CMC.ID06877.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06878.3p miR	TJU_CMC.ID06878.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06879.3p miR	TJU_CMC.ID06879.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06880.5p miR	TJU_CMC.ID06880.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06881.5p miR	TJU_CMC.ID06881.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06882.5p miR	TJU_CMC.ID06882.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06883.3p miR	TJU_CMC.ID06883.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06884.5p miR	TJU_CMC.ID06884.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06885.5p miR	TJU_CMC.ID06885.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06886.5p miR	TJU_CMC.ID06886.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06887.3p miR	TJU_CMC.ID06887.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06888.3p miR	TJU_CMC.ID06888.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06889.5p miR	TJU_CMC.ID06889.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06890.5p miR	TJU_CMC.ID06890.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06891.5p miR	TJU_CMC.ID06891.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06892.3p miR	TJU_CMC.ID06892.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06893.5p miR	TJU_CMC.ID06893.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06894.3p miR	TJU_CMC.ID06894.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06895.3p miR	TJU_CMC.ID06895.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06896.5p miR	TJU_CMC.ID06896.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06897.5p miR	TJU_CMC.ID06897.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06898.5p miR	TJU_CMC.ID06898.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06899.3p miR	TJU_CMC.ID06899.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06900.5p miR	TJU_CMC.ID06900.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06901.5p miR	TJU_CMC.ID06901.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06902.5p miR	TJU_CMC.ID06902.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06903.3p miR	TJU_CMC.ID06903.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06904.5p miR	TJU_CMC.ID06904.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06905.3p miR	TJU_CMC.ID06905.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06906.5p miR	TJU_CMC.ID06906.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06907.3p miR	TJU_CMC.ID06907.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06908.3p miR	TJU_CMC.ID06908.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06909.5p miR	TJU_CMC.ID06909.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06910.5p miR	TJU_CMC.ID06910.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06911.3p miR	TJU_CMC.ID06911.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06912.5p miR	TJU_CMC.ID06912.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06913.5p miR	TJU_CMC.ID06913.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06914.5p miR	TJU_CMC.ID06914.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06915.3p miR	TJU_CMC.ID06915.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06916.5p miR	TJU_CMC.ID06916.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID06917.5p miR	TJU_CMC.ID06917.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06918.3p miR	TJU_CMC.ID06918.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID06919.5p miR	TJU_CMC.ID06919.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06920.3p miR	TJU_CMC.ID06920.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06921.5p miR	TJU_CMC.ID06921.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06922.3p miR	TJU_CMC.ID06922.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06923.3p miR	TJU_CMC.ID06923.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06924.5p miR	TJU_CMC.ID06924.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06925.5p miR	TJU_CMC.ID06925.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06926.3p miR	TJU_CMC.ID06926.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06927.3p miR	TJU_CMC.ID06927.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06928.5p miR	TJU_CMC.ID06928.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06929.5p miR	TJU_CMC.ID06929.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06930.3p miR	TJU_CMC.ID06930.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06931.3p miR	TJU_CMC.ID06931.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06932.5p miR	TJU_CMC.ID06932.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06933.3p miR	TJU_CMC.ID06933.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06934.5p miR	TJU_CMC.ID06934.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06935.5p miR	TJU_CMC.ID06935.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06936.3p miR	TJU_CMC.ID06936.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06937.3p miR	TJU_CMC.ID06937.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06938.3p miR	TJU_CMC.ID06938.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06939.5p miR	TJU_CMC.ID06939.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID06940.3p miR	TJU_CMC.ID06940.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID06941.3p miR	TJU_CMC.ID06941.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06942.5p miR	TJU_CMC.ID06942.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06943.5p miR	TJU_CMC.ID06943.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06944.3p miR	TJU_CMC.ID06944.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06945.3p miR	TJU_CMC.ID06945.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06946.3p miR	TJU_CMC.ID06946.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID06947.3p miR	TJU_CMC.ID06947.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06948.3p miR	TJU_CMC.ID06948.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06949.3p miR	TJU_CMC.ID06949.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06950.5p miR	TJU_CMC.ID06950.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06951.3p miR	TJU_CMC.ID06951.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06952.5p miR	TJU_CMC.ID06952.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06953.3p miR	TJU_CMC.ID06953.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06954.3p miR	TJU_CMC.ID06954.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06955.3p miR	TJU_CMC.ID06955.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06956.5p miR	TJU_CMC.ID06956.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06957.3p miR	TJU_CMC.ID06957.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06958.5p miR	TJU_CMC.ID06958.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06959.3p miR	TJU_CMC.ID06959.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06960.3p miR	TJU_CMC.ID06960.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06961.3p miR	TJU_CMC.ID06961.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06962.3p miR	TJU_CMC.ID06962.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06963.5p miR	TJU_CMC.ID06963.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06964.3p miR	TJU_CMC.ID06964.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID06965.3p miR	TJU_CMC.ID06965.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06966.3p miR	TJU_CMC.ID06966.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID06967.3p miR	TJU_CMC.ID06967.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06968.5p miR	TJU_CMC.ID06968.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID06969.3p miR	TJU_CMC.ID06969.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID06970.5p miR	TJU_CMC.ID06970.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID06971.3p miR	TJU_CMC.ID06971.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06972.5p miR	TJU_CMC.ID06972.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06973.5p miR	TJU_CMC.ID06973.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID06974.3p miR	TJU_CMC.ID06974.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID06975.3p miR	TJU_CMC.ID06975.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID06976.5p miR	TJU_CMC.ID06976.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID06977.3p miR	TJU_CMC.ID06977.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06978.3p miR	TJU_CMC.ID06978.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06979.5p miR	TJU_CMC.ID06979.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06980.3p miR	TJU_CMC.ID06980.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06981.5p miR	TJU_CMC.ID06981.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06982.5p miR	TJU_CMC.ID06982.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06983.3p miR	TJU_CMC.ID06983.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06984.3p miR	TJU_CMC.ID06984.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06985.5p miR	TJU_CMC.ID06985.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06986.3p miR	TJU_CMC.ID06986.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06987.5p miR	TJU_CMC.ID06987.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06988.5p miR	TJU_CMC.ID06988.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06989.3p miR	TJU_CMC.ID06989.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06990.3p miR	TJU_CMC.ID06990.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06991.3p miR	TJU_CMC.ID06991.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06992.5p miR	TJU_CMC.ID06992.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06993.5p miR	TJU_CMC.ID06993.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06994.3p miR	TJU_CMC.ID06994.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06995.3p miR	TJU_CMC.ID06995.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID06996.5p miR	TJU_CMC.ID06996.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID06997.3p miR	TJU_CMC.ID06997.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID06998.5p miR	TJU_CMC.ID06998.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID06999.3p miR	TJU_CMC.ID06999.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07000.5p miR	TJU_CMC.ID07000.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07001.5p miR	TJU_CMC.ID07001.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07002.5p miR	TJU_CMC.ID07002.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07003.5p miR	TJU_CMC.ID07003.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07004.5p miR	TJU_CMC.ID07004.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07005.3p miR	TJU_CMC.ID07005.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07006.3p miR	TJU_CMC.ID07006.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07007.3p miR	TJU_CMC.ID07007.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07008.5p miR	TJU_CMC.ID07008.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07009.3p miR	TJU_CMC.ID07009.hairpin	YES	YES	YES	YES	YES	NO	NC	NC	NO
TJU_CMC.ID07010.5p miR	TJU_CMC.ID07010.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07011.3p miR	TJU_CMC.ID07011.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07012.3p miR	TJU_CMC.ID07012.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07013.3p miR	TJU_CMC.ID07013.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID07014.3p miR	TJU_CMC.ID07014.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07015.3p miR	TJU_CMC.ID07015.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07016.5p miR	TJU_CMC.ID07016.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07017.3p miR	TJU_CMC.ID07017.hairpin	YES	NO YES	NO	NO	NO	NO	NO
TJU_CMC.ID07018.5p miR	TJU_CMC.ID07018.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07019.5p miR	TJU_CMC.ID07019.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07020.3p miR	TJU_CMC.ID07020.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07021.5p miR	TJU_CMC.ID07021.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07022.5p miR	TJU_CMC.ID07022.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07023.3p miR	TJU_CMC.ID07023.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07024.3p miR	TJU_CMC.ID07024.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID07025.3p miR	TJU_CMC.ID07025.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID07026.3p miR	TJU_CMC.ID07026.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07027.5p miR	TJU_CMC.ID07027.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07028.5p miR	TJU_CMC.ID07028.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07029.5p miR	TJU_CMC.ID07029.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID07030.3p miR	TJU_CMC.ID07030.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07031.3p miR	TJU_CMC.ID07031.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID07032.3p miR	TJU_CMC.ID07032.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID07033.5p miR	TJU_CMC.ID07033.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07034.5p miR	TJU_CMC.ID07034.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID07035.3p miR	TJU_CMC.ID07035.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07036.5p miR	TJU_CMC.ID07036.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07037.5p miR	TJU_CMC.ID07037.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07038.3p miR	TJU_CMC.ID07038.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID07039.3p miR	TJU_CMC.ID07039.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07040.5p miR	TJU_CMC.ID07040.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID07041.3p miR	TJU_CMC.ID07041.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07042.5p miR	TJU_CMC.ID07042.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07043.3p miR	TJU_CMC.ID07043.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07044.5p miR	TJU_CMC.ID07044.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07045.3p miR	TJU_CMC.ID07045.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07046.3p miR	TJU_CMC.ID07046.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID07047.3p miR	TJU_CMC.ID07047.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID07048.3p miR	TJU_CMC.ID07048.hairpin	YES	YES YES	YES	YES	NO	NO	NO

TJU_CMC.ID07049.3p miR	TJU_CMC.ID07049.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07050.5p miR	TJU_CMC.ID07050.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07051.3p miR	TJU_CMC.ID07051.hairpin	YES	NO	YES	NO	YES	NO	NO
TJU_CMC.ID07052.5p miR	TJU_CMC.ID07052.hairpin	YES	NO	YES	YES	YES	NO	NO
TJU_CMC.ID07053.3p miR	TJU_CMC.ID07053.hairpin	YES	NO	YES	NO	YES	NO	NO
TJU_CMC.ID07054.3p miR	TJU_CMC.ID07054.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07055.5p miR	TJU_CMC.ID07055.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07056.5p miR	TJU_CMC.ID07056.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07057.3p miR	TJU_CMC.ID07057.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07058.5p miR	TJU_CMC.ID07058.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07059.5p miR	TJU_CMC.ID07059.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07060.3p miR	TJU_CMC.ID07060.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07061.3p miR	TJU_CMC.ID07061.hairpin	YES	YES	YES	NO	YES	NO	NO
TJU_CMC.ID07062.5p miR	TJU_CMC.ID07062.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07063.5p miR	TJU_CMC.ID07063.hairpin	YES	NO	YES	YES	YES	NO	NO
TJU_CMC.ID07064.5p miR	TJU_CMC.ID07064.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07065.5p miR	TJU_CMC.ID07065.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07066.5p miR	TJU_CMC.ID07066.hairpin	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07067.3p miR	TJU_CMC.ID07067.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07068.3p miR	TJU_CMC.ID07068.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07069.3p miR	TJU_CMC.ID07069.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07070.3p miR	TJU_CMC.ID07070.hairpin	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07071.5p miR	TJU_CMC.ID07071.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07072.3p miR	TJU_CMC.ID07072.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07073.3p miR	TJU_CMC.ID07073.hairpin	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07074.5p miR	TJU_CMC.ID07074.hairpin	YES	YES	YES	NO	YES	NO	NO
TJU_CMC.ID07075.3p miR	TJU_CMC.ID07075.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07076.3p miR	TJU_CMC.ID07076.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07077.5p miR	TJU_CMC.ID07077.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07078.3p miR	TJU_CMC.ID07078.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07079.3p miR	TJU_CMC.ID07079.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07080.3p miR	TJU_CMC.ID07080.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07081.3p miR	TJU_CMC.ID07081.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07082.5p miR	TJU_CMC.ID07082.hairpin	YES	NO	YES	YES	YES	NO	NO
TJU_CMC.ID07083.5p miR	TJU_CMC.ID07083.hairpin	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07084.5p miR	TJU_CMC.ID07084.hairpin	YES	NO	YES	YES	YES	NO	NO

TJU_CMC.ID07085.5p miR	TJU_CMC.ID07085.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07086.3p miR	TJU_CMC.ID07086.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07087.5p miR	TJU_CMC.ID07087.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07088.5p miR	TJU_CMC.ID07088.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07089.5p miR	TJU_CMC.ID07089.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07090.5p miR	TJU_CMC.ID07090.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07091.5p miR	TJU_CMC.ID07091.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07092.3p miR	TJU_CMC.ID07092.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07093.5p miR	TJU_CMC.ID07093.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07094.5p miR	TJU_CMC.ID07094.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07095.5p miR	TJU_CMC.ID07095.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07096.5p miR	TJU_CMC.ID07096.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07097.5p miR	TJU_CMC.ID07097.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07098.5p miR	TJU_CMC.ID07098.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07099.5p miR	TJU_CMC.ID07099.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07100.5p miR	TJU_CMC.ID07100.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07101.3p miR	TJU_CMC.ID07101.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07102.3p miR	TJU_CMC.ID07102.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07103.3p miR	TJU_CMC.ID07103.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07104.5p miR	TJU_CMC.ID07104.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07105.3p miR	TJU_CMC.ID07105.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07106.5p miR	TJU_CMC.ID07106.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07107.5p miR	TJU_CMC.ID07107.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07108.5p miR	TJU_CMC.ID07108.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07109.3p miR	TJU_CMC.ID07109.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07110.5p miR	TJU_CMC.ID07110.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07111.5p miR	TJU_CMC.ID07111.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07112.3p miR	TJU_CMC.ID07112.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07113.5p miR	TJU_CMC.ID07113.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07114.3p miR	TJU_CMC.ID07114.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07115.5p miR	TJU_CMC.ID07115.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07116.3p miR	TJU_CMC.ID07116.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07117.5p miR	TJU_CMC.ID07117.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07118.3p miR	TJU_CMC.ID07118.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07119.5p miR	TJU_CMC.ID07119.hairpin	YES	NO	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07120.3p miR	TJU_CMC.ID07120.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID07121.3p miR	TJU_CMC.ID07121.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07122.5p miR	TJU_CMC.ID07122.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07123.5p miR	TJU_CMC.ID07123.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07124.5p miR	TJU_CMC.ID07124.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07125.5p miR	TJU_CMC.ID07125.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07126.3p miR	TJU_CMC.ID07126.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07127.3p miR	TJU_CMC.ID07127.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07128.5p miR	TJU_CMC.ID07128.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07129.3p miR	TJU_CMC.ID07129.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07130.3p miR	TJU_CMC.ID07130.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07131.5p miR	TJU_CMC.ID07131.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07132.3p miR	TJU_CMC.ID07132.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07133.5p miR	TJU_CMC.ID07133.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07134.5p miR	TJU_CMC.ID07134.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07135.3p miR	TJU_CMC.ID07135.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07136.3p miR	TJU_CMC.ID07136.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07137.5p miR	TJU_CMC.ID07137.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07138.3p miR	TJU_CMC.ID07138.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07139.5p miR	TJU_CMC.ID07139.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07140.3p miR	TJU_CMC.ID07140.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07141.5p miR	TJU_CMC.ID07141.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07142.5p miR	TJU_CMC.ID07142.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07143.3p miR	TJU_CMC.ID07143.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07144.3p miR	TJU_CMC.ID07144.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07145.3p miR	TJU_CMC.ID07145.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07146.3p miR	TJU_CMC.ID07146.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07147.3p miR	TJU_CMC.ID07147.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07148.5p miR	TJU_CMC.ID07148.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07149.5p miR	TJU_CMC.ID07149.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07150.3p miR	TJU_CMC.ID07150.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07151.5p miR	TJU_CMC.ID07151.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07152.3p miR	TJU_CMC.ID07152.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07153.5p miR	TJU_CMC.ID07153.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07154.5p miR	TJU_CMC.ID07154.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07155.3p miR	TJU_CMC.ID07155.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07156.3p miR	TJU_CMC.ID07156.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID07157.3p miR	TJU_CMC.ID07157.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07158.5p miR	TJU_CMC.ID07158.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07159.5p miR	TJU_CMC.ID07159.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07160.5p miR	TJU_CMC.ID07160.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07161.5p miR	TJU_CMC.ID07161.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07162.3p miR	TJU_CMC.ID07162.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07163.3p miR	TJU_CMC.ID07163.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07164.3p miR	TJU_CMC.ID07164.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07165.3p miR	TJU_CMC.ID07165.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07166.5p miR	TJU_CMC.ID07166.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07167.5p miR	TJU_CMC.ID07167.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07168.3p miR	TJU_CMC.ID07168.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07169.3p miR	TJU_CMC.ID07169.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07170.3p miR	TJU_CMC.ID07170.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07171.3p miR	TJU_CMC.ID07171.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07172.5p miR	TJU_CMC.ID07172.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07173.5p miR	TJU_CMC.ID07173.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07174.5p miR	TJU_CMC.ID07174.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07175.3p miR	TJU_CMC.ID07175.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07176.3p miR	TJU_CMC.ID07176.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07177.3p miR	TJU_CMC.ID07177.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07178.5p miR	TJU_CMC.ID07178.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07179.3p miR	TJU_CMC.ID07179.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07180.5p miR	TJU_CMC.ID07180.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07181.5p miR	TJU_CMC.ID07181.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07182.3p miR	TJU_CMC.ID07182.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07183.5p miR	TJU_CMC.ID07183.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07184.5p miR	TJU_CMC.ID07184.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07185.5p miR	TJU_CMC.ID07185.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07186.5p miR	TJU_CMC.ID07186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07187.5p miR	TJU_CMC.ID07187.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07188.3p miR	TJU_CMC.ID07188.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07189.5p miR	TJU_CMC.ID07189.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07190.5p miR	TJU_CMC.ID07190.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07191.5p miR	TJU_CMC.ID07191.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07192.5p miR	TJU_CMC.ID07192.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID07193.3p miR	TJU_CMC.ID07193.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07194.3p miR	TJU_CMC.ID07194.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07195.5p miR	TJU_CMC.ID07195.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07196.3p miR	TJU_CMC.ID07196.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07197.5p miR	TJU_CMC.ID07197.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07198.5p miR	TJU_CMC.ID07198.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07199.5p miR	TJU_CMC.ID07199.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07200.5p miR	TJU_CMC.ID07200.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07201.5p miR	TJU_CMC.ID07201.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07202.3p miR	TJU_CMC.ID07202.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07203.5p miR	TJU_CMC.ID07203.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07204.5p miR	TJU_CMC.ID07204.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07205.5p miR	TJU_CMC.ID07205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07206.5p miR	TJU_CMC.ID07206.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07207.3p miR	TJU_CMC.ID07207.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07208.5p miR	TJU_CMC.ID07208.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07209.3p miR	TJU_CMC.ID07209.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07210.3p miR	TJU_CMC.ID07210.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07211.5p miR	TJU_CMC.ID07211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07212.3p miR	TJU_CMC.ID07212.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07213.3p miR	TJU_CMC.ID07213.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07214.3p miR	TJU_CMC.ID07214.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07215.5p miR	TJU_CMC.ID07215.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07216.3p miR	TJU_CMC.ID07216.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07217.5p miR	TJU_CMC.ID07217.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07218.3p miR	TJU_CMC.ID07218.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07219.3p miR	TJU_CMC.ID07219.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07220.5p miR	TJU_CMC.ID07220.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07221.5p miR	TJU_CMC.ID07221.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07222.3p miR	TJU_CMC.ID07222.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07223.3p miR	TJU_CMC.ID07223.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07224.5p miR	TJU_CMC.ID07224.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07225.5p miR	TJU_CMC.ID07225.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07226.5p miR	TJU_CMC.ID07226.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07227.3p miR	TJU_CMC.ID07227.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07228.3p miR	TJU_CMC.ID07228.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07229.3p miR	TJU_CMC.ID07229.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	
TJU_CMC.ID07230.5p miR	TJU_CMC.ID07230.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07231.5p miR	TJU_CMC.ID07231.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07232.3p miR	TJU_CMC.ID07232.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07233.5p miR	TJU_CMC.ID07233.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07234.5p miR	TJU_CMC.ID07234.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07235.5p miR	TJU_CMC.ID07235.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07236.5p miR	TJU_CMC.ID07236.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID07237.5p miR	TJU_CMC.ID07237.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07238.3p miR	TJU_CMC.ID07238.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID07239.5p miR	TJU_CMC.ID07239.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID07240.3p miR	TJU_CMC.ID07240.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07241.5p miR	TJU_CMC.ID07241.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07242.5p miR	TJU_CMC.ID07242.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07243.5p miR	TJU_CMC.ID07243.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07244.3p miR	TJU_CMC.ID07244.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07245.5p miR	TJU_CMC.ID07245.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID07246.5p miR	TJU_CMC.ID07246.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07247.5p miR	TJU_CMC.ID07247.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07248.5p miR	TJU_CMC.ID07248.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07249.3p miR	TJU_CMC.ID07249.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07250.3p miR	TJU_CMC.ID07250.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07251.5p miR	TJU_CMC.ID07251.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07252.3p miR	TJU_CMC.ID07252.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07253.3p miR	TJU_CMC.ID07253.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07254.5p miR	TJU_CMC.ID07254.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07255.5p miR	TJU_CMC.ID07255.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07256.3p miR	TJU_CMC.ID07256.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID07257.5p miR	TJU_CMC.ID07257.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07258.3p miR	TJU_CMC.ID07258.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07259.3p miR	TJU_CMC.ID07259.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07260.5p miR	TJU_CMC.ID07260.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07261.5p miR	TJU_CMC.ID07261.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07262.3p miR	TJU_CMC.ID07262.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07263.3p miR	TJU_CMC.ID07263.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07264.5p miR	TJU_CMC.ID07264.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID07265.5p miR	TJU_CMC.ID07265.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07266.3p miR	TJU_CMC.ID07266.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07267.5p miR	TJU_CMC.ID07267.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07268.5p miR	TJU_CMC.ID07268.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07269.3p miR	TJU_CMC.ID07269.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07270.3p miR	TJU_CMC.ID07270.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07271.3p miR	TJU_CMC.ID07271.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07272.3p miR	TJU_CMC.ID07272.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07273.5p miR	TJU_CMC.ID07273.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07274.3p miR	TJU_CMC.ID07274.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07275.5p miR	TJU_CMC.ID07275.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07276.5p miR	TJU_CMC.ID07276.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07277.3p miR	TJU_CMC.ID07277.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07278.5p miR	TJU_CMC.ID07278.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07279.5p miR	TJU_CMC.ID07279.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07280.3p miR	TJU_CMC.ID07280.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07281.5p miR	TJU_CMC.ID07281.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07282.3p miR	TJU_CMC.ID07282.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07283.3p miR	TJU_CMC.ID07283.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07284.3p miR	TJU_CMC.ID07284.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07285.5p miR	TJU_CMC.ID07285.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07286.5p miR	TJU_CMC.ID07286.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07287.3p miR	TJU_CMC.ID07287.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07288.5p miR	TJU_CMC.ID07288.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07289.3p miR	TJU_CMC.ID07289.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07290.5p miR	TJU_CMC.ID07290.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07291.3p miR	TJU_CMC.ID07291.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07292.3p miR	TJU_CMC.ID07292.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07293.5p miR	TJU_CMC.ID07293.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07294.3p miR	TJU_CMC.ID07294.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07295.3p miR	TJU_CMC.ID07295.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07296.3p miR	TJU_CMC.ID07296.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07297.3p miR	TJU_CMC.ID07297.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07298.3p miR	TJU_CMC.ID07298.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07299.3p miR	TJU_CMC.ID07299.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07300.3p miR	TJU_CMC.ID07300.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID07301.5p miR	TJU_CMC.ID07301.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07302.5p miR	TJU_CMC.ID07302.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07303.5p miR	TJU_CMC.ID07303.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07304.3p miR	TJU_CMC.ID07304.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07305.3p miR	TJU_CMC.ID07305.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID07306.5p miR	TJU_CMC.ID07306.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07307.3p miR	TJU_CMC.ID07307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07308.3p miR	TJU_CMC.ID07308.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07309.5p miR	TJU_CMC.ID07309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07310.3p miR	TJU_CMC.ID07310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07311.5p miR	TJU_CMC.ID07311.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07312.3p miR	TJU_CMC.ID07312.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07313.5p miR	TJU_CMC.ID07313.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07314.3p miR	TJU_CMC.ID07314.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07315.5p miR	TJU_CMC.ID07315.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID07316.5p miR	TJU_CMC.ID07316.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07317.3p miR	TJU_CMC.ID07317.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07318.5p miR	TJU_CMC.ID07318.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07319.3p miR	TJU_CMC.ID07319.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07320.5p miR	TJU_CMC.ID07320.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07321.5p miR	TJU_CMC.ID07321.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID07322.5p miR	TJU_CMC.ID07322.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07323.5p miR	TJU_CMC.ID07323.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07324.5p miR	TJU_CMC.ID07324.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID07325.3p miR	TJU_CMC.ID07325.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07326.5p miR	TJU_CMC.ID07326.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07327.3p miR	TJU_CMC.ID07327.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07328.3p miR	TJU_CMC.ID07328.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07329.3p miR	TJU_CMC.ID07329.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07330.3p miR	TJU_CMC.ID07330.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07331.5p miR	TJU_CMC.ID07331.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07332.3p miR	TJU_CMC.ID07332.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07333.3p miR	TJU_CMC.ID07333.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07334.5p miR	TJU_CMC.ID07334.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07335.5p miR	TJU_CMC.ID07335.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07336.5p miR	TJU_CMC.ID07336.hairpin	YES	NO YES	YES	YES	NO	NO	NO	

TJU_CMC.ID07337.5p miR	TJU_CMC.ID07337.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07338.5p miR	TJU_CMC.ID07338.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07339.5p miR	TJU_CMC.ID07339.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07340.3p miR	TJU_CMC.ID07340.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07341.3p miR	TJU_CMC.ID07341.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07342.5p miR	TJU_CMC.ID07342.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07343.5p miR	TJU_CMC.ID07343.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07344.3p miR	TJU_CMC.ID07344.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07345.5p miR	TJU_CMC.ID07345.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07346.5p miR	TJU_CMC.ID07346.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07347.5p miR	TJU_CMC.ID07347.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07348.5p miR	TJU_CMC.ID07348.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07349.3p miR	TJU_CMC.ID07349.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07350.5p miR	TJU_CMC.ID07350.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07351.5p miR	TJU_CMC.ID07351.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07352.3p miR	TJU_CMC.ID07352.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07353.3p miR	TJU_CMC.ID07353.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07354.5p miR	TJU_CMC.ID07354.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07355.5p miR	TJU_CMC.ID07355.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07356.3p miR	TJU_CMC.ID07356.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07357.3p miR	TJU_CMC.ID07357.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07358.3p miR	TJU_CMC.ID07358.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07359.5p miR	TJU_CMC.ID07359.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07360.3p miR	TJU_CMC.ID07360.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07361.5p miR	TJU_CMC.ID07361.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07362.5p miR	TJU_CMC.ID07362.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07363.5p miR	TJU_CMC.ID07363.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07364.5p miR	TJU_CMC.ID07364.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07365.5p miR	TJU_CMC.ID07365.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07366.5p miR	TJU_CMC.ID07366.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07367.5p miR	TJU_CMC.ID07367.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07368.3p miR	TJU_CMC.ID07368.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07368.5p miR	TJU_CMC.ID07368.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07369.3p miR	TJU_CMC.ID07369.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07370.3p miR	TJU_CMC.ID07370.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07370.5p miR	TJU_CMC.ID07370.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID07371.5p miR	TJU_CMC.ID07371.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07372.3p miR	TJU_CMC.ID07372.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07373.5p miR	TJU_CMC.ID07373.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07374.3p miR	TJU_CMC.ID07374.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07375.3p miR	TJU_CMC.ID07375.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07376.3p miR	TJU_CMC.ID07376.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07377.5p miR	TJU_CMC.ID07377.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07378.5p miR	TJU_CMC.ID07378.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07379.3p miR	TJU_CMC.ID07379.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07380.3p miR	TJU_CMC.ID07380.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07381.3p miR	TJU_CMC.ID07381.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07382.5p miR	TJU_CMC.ID07382.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07383.5p miR	TJU_CMC.ID07383.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07384.5p miR	TJU_CMC.ID07384.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07385.3p miR	TJU_CMC.ID07385.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07386.3p miR	TJU_CMC.ID07386.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07387.3p miR	TJU_CMC.ID07387.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07388.5p miR	TJU_CMC.ID07388.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07389.3p miR	TJU_CMC.ID07389.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07390.3p miR	TJU_CMC.ID07390.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07391.5p miR	TJU_CMC.ID07391.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07392.5p miR	TJU_CMC.ID07392.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07393.3p miR	TJU_CMC.ID07393.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07394.3p miR	TJU_CMC.ID07394.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07395.3p miR	TJU_CMC.ID07395.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07396.3p miR	TJU_CMC.ID07396.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07397.5p miR	TJU_CMC.ID07397.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07398.5p miR	TJU_CMC.ID07398.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07399.5p miR	TJU_CMC.ID07399.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07400.5p miR	TJU_CMC.ID07400.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07401.3p miR	TJU_CMC.ID07401.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07402.3p miR	TJU_CMC.ID07402.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07403.3p miR	TJU_CMC.ID07403.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07404.3p miR	TJU_CMC.ID07404.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07405.5p miR	TJU_CMC.ID07405.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07406.5p miR	TJU_CMC.ID07406.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07407.3p miR	TJU_CMC.ID07407.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07408.5p miR	TJU_CMC.ID07408.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07409.3p miR	TJU_CMC.ID07409.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07410.3p miR	TJU_CMC.ID07410.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07411.3p miR	TJU_CMC.ID07411.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07412.5p miR	TJU_CMC.ID07412.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07413.3p miR	TJU_CMC.ID07413.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07414.3p miR	TJU_CMC.ID07414.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07415.5p miR	TJU_CMC.ID07415.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07416.3p miR	TJU_CMC.ID07416.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07417.3p miR	TJU_CMC.ID07417.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07418.3p miR	TJU_CMC.ID07418.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07419.3p miR	TJU_CMC.ID07419.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07420.5p miR	TJU_CMC.ID07420.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07421.5p miR	TJU_CMC.ID07421.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07422.3p miR	TJU_CMC.ID07422.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07423.3p miR	TJU_CMC.ID07423.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07424.3p miR	TJU_CMC.ID07424.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07425.5p miR	TJU_CMC.ID07425.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07426.3p miR	TJU_CMC.ID07426.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07427.3p miR	TJU_CMC.ID07427.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07428.3p miR	TJU_CMC.ID07428.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07428.5p miR	TJU_CMC.ID07428.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07429.5p miR	TJU_CMC.ID07429.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07430.3p miR	TJU_CMC.ID07430.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07431.5p miR	TJU_CMC.ID07431.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07432.5p miR	TJU_CMC.ID07432.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07433.3p miR	TJU_CMC.ID07433.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07434.3p miR	TJU_CMC.ID07434.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07435.5p miR	TJU_CMC.ID07435.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07436.5p miR	TJU_CMC.ID07436.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07437.5p miR	TJU_CMC.ID07437.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07438.5p miR	TJU_CMC.ID07438.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07439.3p miR	TJU_CMC.ID07439.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07440.3p miR	TJU_CMC.ID07440.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07441.5p miR	TJU_CMC.ID07441.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07442.3p miR	TJU_CMC.ID07442.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07443.3p miR	TJU_CMC.ID07443.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07444.3p miR	TJU_CMC.ID07444.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07445.5p miR	TJU_CMC.ID07445.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07446.5p miR	TJU_CMC.ID07446.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07447.3p miR	TJU_CMC.ID07447.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07448.3p miR	TJU_CMC.ID07448.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07449.3p miR	TJU_CMC.ID07449.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07450.5p miR	TJU_CMC.ID07450.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07451.3p miR	TJU_CMC.ID07451.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07452.3p miR	TJU_CMC.ID07452.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07453.5p miR	TJU_CMC.ID07453.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07454.3p miR	TJU_CMC.ID07454.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07455.5p miR	TJU_CMC.ID07455.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07456.5p miR	TJU_CMC.ID07456.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07457.5p miR	TJU_CMC.ID07457.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07458.3p miR	TJU_CMC.ID07458.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07459.5p miR	TJU_CMC.ID07459.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07460.3p miR	TJU_CMC.ID07460.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07461.3p miR	TJU_CMC.ID07461.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07462.5p miR	TJU_CMC.ID07462.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07463.5p miR	TJU_CMC.ID07463.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07464.3p miR	TJU_CMC.ID07464.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07465.3p miR	TJU_CMC.ID07465.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07466.3p miR	TJU_CMC.ID07466.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07467.3p miR	TJU_CMC.ID07467.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07468.5p miR	TJU_CMC.ID07468.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07469.3p miR	TJU_CMC.ID07469.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07470.3p miR	TJU_CMC.ID07470.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07471.3p miR	TJU_CMC.ID07471.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07472.5p miR	TJU_CMC.ID07472.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07473.5p miR	TJU_CMC.ID07473.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07474.5p miR	TJU_CMC.ID07474.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07475.5p miR	TJU_CMC.ID07475.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07476.3p miR	TJU_CMC.ID07476.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07477.5p miR	TJU_CMC.ID07477.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID07478.5p miR	TJU_CMC.ID07478.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07479.3p miR	TJU_CMC.ID07479.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07480.5p miR	TJU_CMC.ID07480.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07481.5p miR	TJU_CMC.ID07481.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07482.3p miR	TJU_CMC.ID07482.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07483.5p miR	TJU_CMC.ID07483.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07484.3p miR	TJU_CMC.ID07484.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07485.5p miR	TJU_CMC.ID07485.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07486.3p miR	TJU_CMC.ID07486.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07487.3p miR	TJU_CMC.ID07487.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07488.5p miR	TJU_CMC.ID07488.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07489.5p miR	TJU_CMC.ID07489.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07490.5p miR	TJU_CMC.ID07490.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07491.3p miR	TJU_CMC.ID07491.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07492.3p miR	TJU_CMC.ID07492.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07493.5p miR	TJU_CMC.ID07493.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07494.3p miR	TJU_CMC.ID07494.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07495.5p miR	TJU_CMC.ID07495.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07496.5p miR	TJU_CMC.ID07496.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07497.3p miR	TJU_CMC.ID07497.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07498.5p miR	TJU_CMC.ID07498.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07499.5p miR	TJU_CMC.ID07499.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07500.3p miR	TJU_CMC.ID07500.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07501.5p miR	TJU_CMC.ID07501.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07502.3p miR	TJU_CMC.ID07502.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07503.3p miR	TJU_CMC.ID07503.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07504.3p miR	TJU_CMC.ID07504.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07505.5p miR	TJU_CMC.ID07505.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07506.3p miR	TJU_CMC.ID07506.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07507.5p miR	TJU_CMC.ID07507.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07508.3p miR	TJU_CMC.ID07508.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07509.3p miR	TJU_CMC.ID07509.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07510.3p miR	TJU_CMC.ID07510.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07511.5p miR	TJU_CMC.ID07511.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07512.3p miR	TJU_CMC.ID07512.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07513.3p miR	TJU_CMC.ID07513.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07514.5p miR	TJU_CMC.ID07514.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07515.5p miR	TJU_CMC.ID07515.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07516.5p miR	TJU_CMC.ID07516.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07517.3p miR	TJU_CMC.ID07517.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07518.3p miR	TJU_CMC.ID07518.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07519.3p miR	TJU_CMC.ID07519.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07520.3p miR	TJU_CMC.ID07520.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07521.3p miR	TJU_CMC.ID07521.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07522.3p miR	TJU_CMC.ID07522.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07523.5p miR	TJU_CMC.ID07523.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07524.3p miR	TJU_CMC.ID07524.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07525.5p miR	TJU_CMC.ID07525.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID07526.5p miR	TJU_CMC.ID07526.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07527.5p miR	TJU_CMC.ID07527.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07528.5p miR	TJU_CMC.ID07528.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07529.5p miR	TJU_CMC.ID07529.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07530.3p miR	TJU_CMC.ID07530.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07531.3p miR	TJU_CMC.ID07531.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07532.3p miR	TJU_CMC.ID07532.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07533.3p miR	TJU_CMC.ID07533.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07534.5p miR	TJU_CMC.ID07534.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07535.3p miR	TJU_CMC.ID07535.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07536.3p miR	TJU_CMC.ID07536.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07537.5p miR	TJU_CMC.ID07537.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07538.3p miR	TJU_CMC.ID07538.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07539.3p miR	TJU_CMC.ID07539.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07540.5p miR	TJU_CMC.ID07540.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07541.5p miR	TJU_CMC.ID07541.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07542.5p miR	TJU_CMC.ID07542.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07543.3p miR	TJU_CMC.ID07543.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07544.5p miR	TJU_CMC.ID07544.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07545.5p miR	TJU_CMC.ID07545.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07546.3p miR	TJU_CMC.ID07546.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07547.3p miR	TJU_CMC.ID07547.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07548.3p miR	TJU_CMC.ID07548.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07549.3p miR	TJU_CMC.ID07549.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID07550.3p miR	TJU_CMC.ID07550.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07551.3p miR	TJU_CMC.ID07551.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07552.5p miR	TJU_CMC.ID07552.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07553.3p miR	TJU_CMC.ID07553.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07554.3p miR	TJU_CMC.ID07554.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07555.5p miR	TJU_CMC.ID07555.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07556.3p miR	TJU_CMC.ID07556.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07557.3p miR	TJU_CMC.ID07557.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07558.5p miR	TJU_CMC.ID07558.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07559.3p miR	TJU_CMC.ID07559.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07560.5p miR	TJU_CMC.ID07560.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07561.5p miR	TJU_CMC.ID07561.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07562.5p miR	TJU_CMC.ID07562.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07563.3p miR	TJU_CMC.ID07563.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07564.5p miR	TJU_CMC.ID07564.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07565.5p miR	TJU_CMC.ID07565.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07566.3p miR	TJU_CMC.ID07566.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07567.5p miR	TJU_CMC.ID07567.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07568.5p miR	TJU_CMC.ID07568.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07569.3p miR	TJU_CMC.ID07569.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07570.3p miR	TJU_CMC.ID07570.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07571.3p miR	TJU_CMC.ID07571.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07572.3p miR	TJU_CMC.ID07572.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07573.5p miR	TJU_CMC.ID07573.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07574.5p miR	TJU_CMC.ID07574.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07575.3p miR	TJU_CMC.ID07575.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07576.3p miR	TJU_CMC.ID07576.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07577.3p miR	TJU_CMC.ID07577.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07578.5p miR	TJU_CMC.ID07578.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07579.5p miR	TJU_CMC.ID07579.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07580.5p miR	TJU_CMC.ID07580.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07581.5p miR	TJU_CMC.ID07581.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07582.3p miR	TJU_CMC.ID07582.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07583.3p miR	TJU_CMC.ID07583.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07584.3p miR	TJU_CMC.ID07584.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07585.3p miR	TJU_CMC.ID07585.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07586.3p miR	TJU_CMC.ID07586.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07587.3p miR	TJU_CMC.ID07587.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07588.5p miR	TJU_CMC.ID07588.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07589.3p miR	TJU_CMC.ID07589.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07590.3p miR	TJU_CMC.ID07590.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07591.3p miR	TJU_CMC.ID07591.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07592.3p miR	TJU_CMC.ID07592.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07593.5p miR	TJU_CMC.ID07593.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07594.5p miR	TJU_CMC.ID07594.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07595.3p miR	TJU_CMC.ID07595.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07596.3p miR	TJU_CMC.ID07596.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07597.5p miR	TJU_CMC.ID07597.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07598.5p miR	TJU_CMC.ID07598.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07599.5p miR	TJU_CMC.ID07599.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07600.3p miR	TJU_CMC.ID07600.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07601.3p miR	TJU_CMC.ID07601.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07602.5p miR	TJU_CMC.ID07602.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07603.5p miR	TJU_CMC.ID07603.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07604.5p miR	TJU_CMC.ID07604.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07605.5p miR	TJU_CMC.ID07605.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07606.3p miR	TJU_CMC.ID07606.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07607.3p miR	TJU_CMC.ID07607.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07608.3p miR	TJU_CMC.ID07608.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07609.5p miR	TJU_CMC.ID07609.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07610.5p miR	TJU_CMC.ID07610.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07611.5p miR	TJU_CMC.ID07611.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07612.3p miR	TJU_CMC.ID07612.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07613.5p miR	TJU_CMC.ID07613.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07614.3p miR	TJU_CMC.ID07614.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07615.3p miR	TJU_CMC.ID07615.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07616.3p miR	TJU_CMC.ID07616.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07617.3p miR	TJU_CMC.ID07617.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07618.3p miR	TJU_CMC.ID07618.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07619.3p miR	TJU_CMC.ID07619.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07620.3p miR	TJU_CMC.ID07620.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07621.5p miR	TJU_CMC.ID07621.hairpin	YES	NO	YES	NO	YES	NO	NO	NO

TJU_CMC.ID07622.3p miR	TJU_CMC.ID07622.hairpin	YES	YES NO	NO	NO	NO	NO	NO
TJU_CMC.ID07623.3p miR	TJU_CMC.ID07623.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID07624.5p miR	TJU_CMC.ID07624.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07625.3p miR	TJU_CMC.ID07625.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07626.3p miR	TJU_CMC.ID07626.hairpin	YES	YES NO	YES	YES	NO	NO	NO
TJU_CMC.ID07627.5p miR	TJU_CMC.ID07627.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07628.5p miR	TJU_CMC.ID07628.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07629.5p miR	TJU_CMC.ID07629.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07630.3p miR	TJU_CMC.ID07630.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07631.5p miR	TJU_CMC.ID07631.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID07632.3p miR	TJU_CMC.ID07632.hairpin	YES	NO NO	NO	NO	NO	NO	NO
TJU_CMC.ID07633.3p miR	TJU_CMC.ID07633.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07634.3p miR	TJU_CMC.ID07634.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07635.3p miR	TJU_CMC.ID07635.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID07636.5p miR	TJU_CMC.ID07636.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07637.5p miR	TJU_CMC.ID07637.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07638.3p miR	TJU_CMC.ID07638.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07639.3p miR	TJU_CMC.ID07639.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07640.5p miR	TJU_CMC.ID07640.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07641.3p miR	TJU_CMC.ID07641.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07642.3p miR	TJU_CMC.ID07642.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07643.5p miR	TJU_CMC.ID07643.hairpin	YES	NO NO	YES	NO	NO	NO	NO
TJU_CMC.ID07644.3p miR	TJU_CMC.ID07644.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID07645.5p miR	TJU_CMC.ID07645.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07646.5p miR	TJU_CMC.ID07646.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07647.3p miR	TJU_CMC.ID07647.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07648.3p miR	TJU_CMC.ID07648.hairpin	YES	NO YES	NO	NO	NO	NO	NO
TJU_CMC.ID07649.5p miR	TJU_CMC.ID07649.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07650.3p miR	TJU_CMC.ID07650.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07651.3p miR	TJU_CMC.ID07651.hairpin	YES	YES YES	NO	NO	NO	NO	NO
TJU_CMC.ID07652.3p miR	TJU_CMC.ID07652.hairpin	YES	YES YES	NO	YES	NO	NO	NO
TJU_CMC.ID07653.5p miR	TJU_CMC.ID07653.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07654.3p miR	TJU_CMC.ID07654.hairpin	YES	YES YES	YES	NO	NO	NO	NO
TJU_CMC.ID07655.3p miR	TJU_CMC.ID07655.hairpin	YES	NO NO	YES	YES	NO	NO	NO
TJU_CMC.ID07656.3p miR	TJU_CMC.ID07656.hairpin	YES	YES YES	YES	YES	NO	NO	NO
TJU_CMC.ID07657.5p miR	TJU_CMC.ID07657.hairpin	YES	YES YES	YES	YES	NO	NO	NO

TJU_CMC.ID07658.3p miR	TJU_CMC.ID07658.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07659.5p miR	TJU_CMC.ID07659.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07660.5p miR	TJU_CMC.ID07660.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07661.5p miR	TJU_CMC.ID07661.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07662.3p miR	TJU_CMC.ID07662.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07663.3p miR	TJU_CMC.ID07663.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07664.3p miR	TJU_CMC.ID07664.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID07665.5p miR	TJU_CMC.ID07665.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07666.3p miR	TJU_CMC.ID07666.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07667.3p miR	TJU_CMC.ID07667.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07668.3p miR	TJU_CMC.ID07668.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07669.5p miR	TJU_CMC.ID07669.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07670.3p miR	TJU_CMC.ID07670.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07671.5p miR	TJU_CMC.ID07671.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07672.3p miR	TJU_CMC.ID07672.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07673.5p miR	TJU_CMC.ID07673.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07674.3p miR	TJU_CMC.ID07674.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07675.3p miR	TJU_CMC.ID07675.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07676.3p miR	TJU_CMC.ID07676.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07677.5p miR	TJU_CMC.ID07677.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07678.3p miR	TJU_CMC.ID07678.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07679.5p miR	TJU_CMC.ID07679.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07680.3p miR	TJU_CMC.ID07680.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07681.3p miR	TJU_CMC.ID07681.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID07682.3p miR	TJU_CMC.ID07682.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07683.3p miR	TJU_CMC.ID07683.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07684.5p miR	TJU_CMC.ID07684.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07685.3p miR	TJU_CMC.ID07685.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07686.5p miR	TJU_CMC.ID07686.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07687.3p miR	TJU_CMC.ID07687.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07688.3p miR	TJU_CMC.ID07688.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07689.3p miR	TJU_CMC.ID07689.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID07690.5p miR	TJU_CMC.ID07690.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID07691.3p miR	TJU_CMC.ID07691.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID07692.3p miR	TJU_CMC.ID07692.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID07693.5p miR	TJU_CMC.ID07693.hairpin	YES	YES NO	NO	NO	NO	NO	NO	

TJU_CMC.ID07694.3p miR	TJU_CMC.ID07694.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07695.3p miR	TJU_CMC.ID07695.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07696.3p miR	TJU_CMC.ID07696.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07697.3p miR	TJU_CMC.ID07697.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07698.3p miR	TJU_CMC.ID07698.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07699.5p miR	TJU_CMC.ID07699.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07700.5p miR	TJU_CMC.ID07700.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07701.5p miR	TJU_CMC.ID07701.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07702.5p miR	TJU_CMC.ID07702.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07703.5p miR	TJU_CMC.ID07703.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07704.5p miR	TJU_CMC.ID07704.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07705.5p miR	TJU_CMC.ID07705.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07706.3p miR	TJU_CMC.ID07706.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07707.3p miR	TJU_CMC.ID07707.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07708.3p miR	TJU_CMC.ID07708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07709.5p miR	TJU_CMC.ID07709.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07710.3p miR	TJU_CMC.ID07710.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07711.3p miR	TJU_CMC.ID07711.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07712.5p miR	TJU_CMC.ID07712.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07713.5p miR	TJU_CMC.ID07713.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07714.5p miR	TJU_CMC.ID07714.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07715.3p miR	TJU_CMC.ID07715.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07716.3p miR	TJU_CMC.ID07716.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07717.3p miR	TJU_CMC.ID07717.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07718.3p miR	TJU_CMC.ID07718.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07719.3p miR	TJU_CMC.ID07719.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07720.3p miR	TJU_CMC.ID07720.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07721.5p miR	TJU_CMC.ID07721.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07722.3p miR	TJU_CMC.ID07722.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07723.5p miR	TJU_CMC.ID07723.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07724.3p miR	TJU_CMC.ID07724.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07725.3p miR	TJU_CMC.ID07725.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07726.5p miR	TJU_CMC.ID07726.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07727.5p miR	TJU_CMC.ID07727.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07728.3p miR	TJU_CMC.ID07728.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07729.5p miR	TJU_CMC.ID07729.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID07730.3p miR	TJU_CMC.ID07730.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07731.5p miR	TJU_CMC.ID07731.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07732.5p miR	TJU_CMC.ID07732.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07733.5p miR	TJU_CMC.ID07733.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07734.5p miR	TJU_CMC.ID07734.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07735.3p miR	TJU_CMC.ID07735.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07736.5p miR	TJU_CMC.ID07736.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07737.3p miR	TJU_CMC.ID07737.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07738.5p miR	TJU_CMC.ID07738.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07739.5p miR	TJU_CMC.ID07739.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07740.3p miR	TJU_CMC.ID07740.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07741.5p miR	TJU_CMC.ID07741.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07742.3p miR	TJU_CMC.ID07742.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07743.5p miR	TJU_CMC.ID07743.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07744.3p miR	TJU_CMC.ID07744.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07745.3p miR	TJU_CMC.ID07745.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07746.3p miR	TJU_CMC.ID07746.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07747.3p miR	TJU_CMC.ID07747.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07748.3p miR	TJU_CMC.ID07748.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07749.3p miR	TJU_CMC.ID07749.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07750.3p miR	TJU_CMC.ID07750.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07751.3p miR	TJU_CMC.ID07751.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07752.5p miR	TJU_CMC.ID07752.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07753.5p miR	TJU_CMC.ID07753.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07754.3p miR	TJU_CMC.ID07754.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07755.5p miR	TJU_CMC.ID07755.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07756.3p miR	TJU_CMC.ID07756.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07757.3p miR	TJU_CMC.ID07757.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07758.3p miR	TJU_CMC.ID07758.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07759.5p miR	TJU_CMC.ID07759.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07760.5p miR	TJU_CMC.ID07760.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07761.5p miR	TJU_CMC.ID07761.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07762.3p miR	TJU_CMC.ID07762.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07763.3p miR	TJU_CMC.ID07763.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07764.3p miR	TJU_CMC.ID07764.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07765.3p miR	TJU_CMC.ID07765.hairpin	YES	YES	YES	NO	YES	NO	NO	NO

TJU_CMC.ID07766.3p miR	TJU_CMC.ID07766.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07767.5p miR	TJU_CMC.ID07767.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07768.3p miR	TJU_CMC.ID07768.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07769.3p miR	TJU_CMC.ID07769.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07770.3p miR	TJU_CMC.ID07770.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07771.5p miR	TJU_CMC.ID07771.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07772.3p miR	TJU_CMC.ID07772.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07773.3p miR	TJU_CMC.ID07773.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07774.5p miR	TJU_CMC.ID07774.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07775.5p miR	TJU_CMC.ID07775.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07776.5p miR	TJU_CMC.ID07776.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07777.3p miR	TJU_CMC.ID07777.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07778.5p miR	TJU_CMC.ID07778.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07779.5p miR	TJU_CMC.ID07779.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07780.3p miR	TJU_CMC.ID07780.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07781.3p miR	TJU_CMC.ID07781.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07782.3p miR	TJU_CMC.ID07782.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07783.3p miR	TJU_CMC.ID07783.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07784.5p miR	TJU_CMC.ID07784.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07785.3p miR	TJU_CMC.ID07785.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07786.5p miR	TJU_CMC.ID07786.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07787.5p miR	TJU_CMC.ID07787.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07788.3p miR	TJU_CMC.ID07788.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07789.3p miR	TJU_CMC.ID07789.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07790.5p miR	TJU_CMC.ID07790.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07791.5p miR	TJU_CMC.ID07791.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07792.5p miR	TJU_CMC.ID07792.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07793.3p miR	TJU_CMC.ID07793.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07794.3p miR	TJU_CMC.ID07794.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07795.5p miR	TJU_CMC.ID07795.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07796.5p miR	TJU_CMC.ID07796.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07797.5p miR	TJU_CMC.ID07797.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07798.3p miR	TJU_CMC.ID07798.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07799.3p miR	TJU_CMC.ID07799.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07800.3p miR	TJU_CMC.ID07800.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07801.3p miR	TJU_CMC.ID07801.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID07802.3p miR	TJU_CMC.ID07802.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07803.5p miR	TJU_CMC.ID07803.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07804.3p miR	TJU_CMC.ID07804.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07805.5p miR	TJU_CMC.ID07805.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07806.3p miR	TJU_CMC.ID07806.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07807.5p miR	TJU_CMC.ID07807.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07808.5p miR	TJU_CMC.ID07808.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07809.5p miR	TJU_CMC.ID07809.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07810.3p miR	TJU_CMC.ID07810.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07811.5p miR	TJU_CMC.ID07811.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07812.5p miR	TJU_CMC.ID07812.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07813.3p miR	TJU_CMC.ID07813.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07814.3p miR	TJU_CMC.ID07814.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07815.5p miR	TJU_CMC.ID07815.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07816.5p miR	TJU_CMC.ID07816.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07817.5p miR	TJU_CMC.ID07817.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07818.3p miR	TJU_CMC.ID07818.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07819.5p miR	TJU_CMC.ID07819.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07820.5p miR	TJU_CMC.ID07820.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07821.3p miR	TJU_CMC.ID07821.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07822.3p miR	TJU_CMC.ID07822.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07823.5p miR	TJU_CMC.ID07823.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07824.5p miR	TJU_CMC.ID07824.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07825.5p miR	TJU_CMC.ID07825.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07826.3p miR	TJU_CMC.ID07826.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07827.3p miR	TJU_CMC.ID07827.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07828.5p miR	TJU_CMC.ID07828.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07829.5p miR	TJU_CMC.ID07829.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07830.5p miR	TJU_CMC.ID07830.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07831.3p miR	TJU_CMC.ID07831.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07832.3p miR	TJU_CMC.ID07832.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07833.5p miR	TJU_CMC.ID07833.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07834.3p miR	TJU_CMC.ID07834.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07835.3p miR	TJU_CMC.ID07835.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07836.5p miR	TJU_CMC.ID07836.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07837.5p miR	TJU_CMC.ID07837.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID07838.3p miR	TJU_CMC.ID07838.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07839.3p miR	TJU_CMC.ID07839.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07840.3p miR	TJU_CMC.ID07840.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07841.3p miR	TJU_CMC.ID07841.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07842.5p miR	TJU_CMC.ID07842.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07843.5p miR	TJU_CMC.ID07843.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07844.3p miR	TJU_CMC.ID07844.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07845.5p miR	TJU_CMC.ID07845.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07846.3p miR	TJU_CMC.ID07846.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07847.3p miR	TJU_CMC.ID07847.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07848.3p miR	TJU_CMC.ID07848.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07849.5p miR	TJU_CMC.ID07849.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07850.3p miR	TJU_CMC.ID07850.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07851.5p miR	TJU_CMC.ID07851.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07852.5p miR	TJU_CMC.ID07852.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07853.3p miR	TJU_CMC.ID07853.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07854.5p miR	TJU_CMC.ID07854.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07855.5p miR	TJU_CMC.ID07855.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07856.3p miR	TJU_CMC.ID07856.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07857.3p miR	TJU_CMC.ID07857.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07858.3p miR	TJU_CMC.ID07858.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07859.5p miR	TJU_CMC.ID07859.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07860.3p miR	TJU_CMC.ID07860.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07861.5p miR	TJU_CMC.ID07861.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07862.3p miR	TJU_CMC.ID07862.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07863.5p miR	TJU_CMC.ID07863.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07864.5p miR	TJU_CMC.ID07864.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07865.5p miR	TJU_CMC.ID07865.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07866.3p miR	TJU_CMC.ID07866.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07867.3p miR	TJU_CMC.ID07867.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07868.3p miR	TJU_CMC.ID07868.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07869.3p miR	TJU_CMC.ID07869.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07870.5p miR	TJU_CMC.ID07870.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07871.3p miR	TJU_CMC.ID07871.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07872.3p miR	TJU_CMC.ID07872.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07873.3p miR	TJU_CMC.ID07873.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID07874.3p miR	TJU_CMC.ID07874.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07875.3p miR	TJU_CMC.ID07875.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07875.5p miR	TJU_CMC.ID07875.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07876.5p miR	TJU_CMC.ID07876.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07877.5p miR	TJU_CMC.ID07877.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07878.3p miR	TJU_CMC.ID07878.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07879.3p miR	TJU_CMC.ID07879.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07880.5p miR	TJU_CMC.ID07880.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07881.5p miR	TJU_CMC.ID07881.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07882.5p miR	TJU_CMC.ID07882.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07883.3p miR	TJU_CMC.ID07883.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07884.3p miR	TJU_CMC.ID07884.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07885.3p miR	TJU_CMC.ID07885.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID07886.5p miR	TJU_CMC.ID07886.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07887.3p miR	TJU_CMC.ID07887.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07888.5p miR	TJU_CMC.ID07888.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07889.3p miR	TJU_CMC.ID07889.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07890.3p miR	TJU_CMC.ID07890.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07891.5p miR	TJU_CMC.ID07891.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07892.3p miR	TJU_CMC.ID07892.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07893.5p miR	TJU_CMC.ID07893.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07894.5p miR	TJU_CMC.ID07894.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07895.5p miR	TJU_CMC.ID07895.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07896.5p miR	TJU_CMC.ID07896.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07897.3p miR	TJU_CMC.ID07897.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07898.3p miR	TJU_CMC.ID07898.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07899.3p miR	TJU_CMC.ID07899.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07900.5p miR	TJU_CMC.ID07900.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07901.5p miR	TJU_CMC.ID07901.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07902.3p miR	TJU_CMC.ID07902.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07903.5p miR	TJU_CMC.ID07903.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07904.5p miR	TJU_CMC.ID07904.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID07905.5p miR	TJU_CMC.ID07905.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07906.3p miR	TJU_CMC.ID07906.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07907.3p miR	TJU_CMC.ID07907.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07908.3p miR	TJU_CMC.ID07908.hairpin	YES	YES	YES	NO	YES	NO	NO	NO

TJU_CMC.ID07909.3p miR	TJU_CMC.ID07909.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07910.5p miR	TJU_CMC.ID07910.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07911.3p miR	TJU_CMC.ID07911.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07912.3p miR	TJU_CMC.ID07912.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07913.5p miR	TJU_CMC.ID07913.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07914.5p miR	TJU_CMC.ID07914.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07915.3p miR	TJU_CMC.ID07915.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07916.3p miR	TJU_CMC.ID07916.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07917.5p miR	TJU_CMC.ID07917.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07918.3p miR	TJU_CMC.ID07918.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07919.5p miR	TJU_CMC.ID07919.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07920.3p miR	TJU_CMC.ID07920.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07921.3p miR	TJU_CMC.ID07921.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07922.3p miR	TJU_CMC.ID07922.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07923.3p miR	TJU_CMC.ID07923.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07924.5p miR	TJU_CMC.ID07924.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07925.5p miR	TJU_CMC.ID07925.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07926.3p miR	TJU_CMC.ID07926.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07927.3p miR	TJU_CMC.ID07927.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07928.3p miR	TJU_CMC.ID07928.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07929.5p miR	TJU_CMC.ID07929.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07930.3p miR	TJU_CMC.ID07930.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07931.5p miR	TJU_CMC.ID07931.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07932.3p miR	TJU_CMC.ID07932.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07933.3p miR	TJU_CMC.ID07933.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07934.5p miR	TJU_CMC.ID07934.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07935.3p miR	TJU_CMC.ID07935.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07936.3p miR	TJU_CMC.ID07936.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07937.5p miR	TJU_CMC.ID07937.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07938.3p miR	TJU_CMC.ID07938.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07939.5p miR	TJU_CMC.ID07939.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07940.5p miR	TJU_CMC.ID07940.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07941.3p miR	TJU_CMC.ID07941.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07942.3p miR	TJU_CMC.ID07942.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07943.3p miR	TJU_CMC.ID07943.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07944.5p miR	TJU_CMC.ID07944.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID07945.5p miR	TJU_CMC.ID07945.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07946.5p miR	TJU_CMC.ID07946.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07947.3p miR	TJU_CMC.ID07947.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07948.3p miR	TJU_CMC.ID07948.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07949.5p miR	TJU_CMC.ID07949.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07950.5p miR	TJU_CMC.ID07950.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07951.3p miR	TJU_CMC.ID07951.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07952.3p miR	TJU_CMC.ID07952.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07953.5p miR	TJU_CMC.ID07953.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07954.3p miR	TJU_CMC.ID07954.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07955.5p miR	TJU_CMC.ID07955.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07956.3p miR	TJU_CMC.ID07956.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07957.5p miR	TJU_CMC.ID07957.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07958.5p miR	TJU_CMC.ID07958.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07959.5p miR	TJU_CMC.ID07959.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07960.3p miR	TJU_CMC.ID07960.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07961.3p miR	TJU_CMC.ID07961.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07962.5p miR	TJU_CMC.ID07962.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07963.3p miR	TJU_CMC.ID07963.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID07964.5p miR	TJU_CMC.ID07964.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07965.3p miR	TJU_CMC.ID07965.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07966.5p miR	TJU_CMC.ID07966.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07967.3p miR	TJU_CMC.ID07967.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID07968.3p miR	TJU_CMC.ID07968.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07969.3p miR	TJU_CMC.ID07969.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07970.3p miR	TJU_CMC.ID07970.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07971.5p miR	TJU_CMC.ID07971.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07972.3p miR	TJU_CMC.ID07972.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07973.3p miR	TJU_CMC.ID07973.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07974.5p miR	TJU_CMC.ID07974.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07975.3p miR	TJU_CMC.ID07975.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID07976.3p miR	TJU_CMC.ID07976.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID07977.3p miR	TJU_CMC.ID07977.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07978.5p miR	TJU_CMC.ID07978.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07979.3p miR	TJU_CMC.ID07979.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID07980.3p miR	TJU_CMC.ID07980.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID07981.5p miR	TJU_CMC.ID07981.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07982.5p miR	TJU_CMC.ID07982.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07983.5p miR	TJU_CMC.ID07983.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07984.5p miR	TJU_CMC.ID07984.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07985.3p miR	TJU_CMC.ID07985.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07986.5p miR	TJU_CMC.ID07986.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07987.5p miR	TJU_CMC.ID07987.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07988.5p miR	TJU_CMC.ID07988.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07989.5p miR	TJU_CMC.ID07989.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07990.3p miR	TJU_CMC.ID07990.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07991.5p miR	TJU_CMC.ID07991.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07992.3p miR	TJU_CMC.ID07992.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID07993.5p miR	TJU_CMC.ID07993.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07994.5p miR	TJU_CMC.ID07994.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID07995.3p miR	TJU_CMC.ID07995.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07996.3p miR	TJU_CMC.ID07996.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07997.5p miR	TJU_CMC.ID07997.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07998.3p miR	TJU_CMC.ID07998.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID07999.3p miR	TJU_CMC.ID07999.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08000.3p miR	TJU_CMC.ID08000.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08001.3p miR	TJU_CMC.ID08001.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08002.3p miR	TJU_CMC.ID08002.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08003.3p miR	TJU_CMC.ID08003.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08004.3p miR	TJU_CMC.ID08004.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08005.5p miR	TJU_CMC.ID08005.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08006.5p miR	TJU_CMC.ID08006.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08007.5p miR	TJU_CMC.ID08007.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08008.3p miR	TJU_CMC.ID08008.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08009.5p miR	TJU_CMC.ID08009.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08010.3p miR	TJU_CMC.ID08010.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08011.3p miR	TJU_CMC.ID08011.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08012.5p miR	TJU_CMC.ID08012.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08013.3p miR	TJU_CMC.ID08013.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08014.5p miR	TJU_CMC.ID08014.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08015.3p miR	TJU_CMC.ID08015.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08016.5p miR	TJU_CMC.ID08016.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08017.3p miR	TJU_CMC.ID08017.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08018.3p miR	TJU_CMC.ID08018.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08019.5p miR	TJU_CMC.ID08019.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08020.5p miR	TJU_CMC.ID08020.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08021.3p miR	TJU_CMC.ID08021.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08022.3p miR	TJU_CMC.ID08022.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08023.5p miR	TJU_CMC.ID08023.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08024.5p miR	TJU_CMC.ID08024.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08025.5p miR	TJU_CMC.ID08025.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08026.3p miR	TJU_CMC.ID08026.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08027.5p miR	TJU_CMC.ID08027.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08028.5p miR	TJU_CMC.ID08028.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08029.3p miR	TJU_CMC.ID08029.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08030.3p miR	TJU_CMC.ID08030.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08031.5p miR	TJU_CMC.ID08031.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08032.3p miR	TJU_CMC.ID08032.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08033.5p miR	TJU_CMC.ID08033.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08034.5p miR	TJU_CMC.ID08034.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08035.5p miR	TJU_CMC.ID08035.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08036.5p miR	TJU_CMC.ID08036.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08037.5p miR	TJU_CMC.ID08037.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08038.3p miR	TJU_CMC.ID08038.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08039.5p miR	TJU_CMC.ID08039.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08040.3p miR	TJU_CMC.ID08040.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08041.3p miR	TJU_CMC.ID08041.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08042.5p miR	TJU_CMC.ID08042.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08043.3p miR	TJU_CMC.ID08043.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08044.3p miR	TJU_CMC.ID08044.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08045.5p miR	TJU_CMC.ID08045.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08046.5p miR	TJU_CMC.ID08046.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08047.5p miR	TJU_CMC.ID08047.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08048.3p miR	TJU_CMC.ID08048.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08049.3p miR	TJU_CMC.ID08049.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08050.5p miR	TJU_CMC.ID08050.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08051.3p miR	TJU_CMC.ID08051.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08052.3p miR	TJU_CMC.ID08052.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08053.3p miR	TJU_CMC.ID08053.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08054.5p miR	TJU_CMC.ID08054.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08055.5p miR	TJU_CMC.ID08055.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08056.5p miR	TJU_CMC.ID08056.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08057.3p miR	TJU_CMC.ID08057.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08058.3p miR	TJU_CMC.ID08058.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08059.5p miR	TJU_CMC.ID08059.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08060.3p miR	TJU_CMC.ID08060.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08061.5p miR	TJU_CMC.ID08061.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08062.5p miR	TJU_CMC.ID08062.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08063.3p miR	TJU_CMC.ID08063.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08064.5p miR	TJU_CMC.ID08064.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08065.5p miR	TJU_CMC.ID08065.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08066.3p miR	TJU_CMC.ID08066.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08067.3p miR	TJU_CMC.ID08067.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08068.3p miR	TJU_CMC.ID08068.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08069.5p miR	TJU_CMC.ID08069.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08070.5p miR	TJU_CMC.ID08070.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08071.3p miR	TJU_CMC.ID08071.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08072.3p miR	TJU_CMC.ID08072.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08073.3p miR	TJU_CMC.ID08073.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08074.3p miR	TJU_CMC.ID08074.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08075.5p miR	TJU_CMC.ID08075.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08076.5p miR	TJU_CMC.ID08076.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08077.3p miR	TJU_CMC.ID08077.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08078.3p miR	TJU_CMC.ID08078.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08079.3p miR	TJU_CMC.ID08079.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08080.5p miR	TJU_CMC.ID08080.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08081.3p miR	TJU_CMC.ID08081.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08082.3p miR	TJU_CMC.ID08082.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08083.5p miR	TJU_CMC.ID08083.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08084.5p miR	TJU_CMC.ID08084.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08085.5p miR	TJU_CMC.ID08085.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08086.3p miR	TJU_CMC.ID08086.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08087.5p miR	TJU_CMC.ID08087.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08088.3p miR	TJU_CMC.ID08088.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID08089.5p miR	TJU_CMC.ID08089.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08090.5p miR	TJU_CMC.ID08090.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08091.3p miR	TJU_CMC.ID08091.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08092.3p miR	TJU_CMC.ID08092.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08093.3p miR	TJU_CMC.ID08093.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08094.3p miR	TJU_CMC.ID08094.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08095.5p miR	TJU_CMC.ID08095.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08096.5p miR	TJU_CMC.ID08096.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08097.5p miR	TJU_CMC.ID08097.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08098.5p miR	TJU_CMC.ID08098.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08099.3p miR	TJU_CMC.ID08099.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08100.5p miR	TJU_CMC.ID08100.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08101.5p miR	TJU_CMC.ID08101.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08102.3p miR	TJU_CMC.ID08102.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08103.3p miR	TJU_CMC.ID08103.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08104.3p miR	TJU_CMC.ID08104.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08105.5p miR	TJU_CMC.ID08105.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08106.5p miR	TJU_CMC.ID08106.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08107.3p miR	TJU_CMC.ID08107.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08108.3p miR	TJU_CMC.ID08108.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08109.3p miR	TJU_CMC.ID08109.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08110.3p miR	TJU_CMC.ID08110.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08111.5p miR	TJU_CMC.ID08111.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08112.5p miR	TJU_CMC.ID08112.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08113.3p miR	TJU_CMC.ID08113.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08114.5p miR	TJU_CMC.ID08114.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08115.3p miR	TJU_CMC.ID08115.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08116.5p miR	TJU_CMC.ID08116.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08117.5p miR	TJU_CMC.ID08117.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08118.5p miR	TJU_CMC.ID08118.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08119.3p miR	TJU_CMC.ID08119.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08120.5p miR	TJU_CMC.ID08120.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08121.3p miR	TJU_CMC.ID08121.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08122.5p miR	TJU_CMC.ID08122.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08123.5p miR	TJU_CMC.ID08123.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08124.3p miR	TJU_CMC.ID08124.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC.ID08125.5p miR	TJU_CMC.ID08125.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08126.5p miR	TJU_CMC.ID08126.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08127.3p miR	TJU_CMC.ID08127.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08128.5p miR	TJU_CMC.ID08128.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08129.3p miR	TJU_CMC.ID08129.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08130.3p miR	TJU_CMC.ID08130.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08131.3p miR	TJU_CMC.ID08131.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08132.3p miR	TJU_CMC.ID08132.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08133.5p miR	TJU_CMC.ID08133.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08134.5p miR	TJU_CMC.ID08134.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08135.3p miR	TJU_CMC.ID08135.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08136.5p miR	TJU_CMC.ID08136.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08137.5p miR	TJU_CMC.ID08137.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08138.3p miR	TJU_CMC.ID08138.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08139.3p miR	TJU_CMC.ID08139.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08140.3p miR	TJU_CMC.ID08140.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08141.3p miR	TJU_CMC.ID08141.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08142.3p miR	TJU_CMC.ID08142.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08143.3p miR	TJU_CMC.ID08143.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08144.3p miR	TJU_CMC.ID08144.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08145.3p miR	TJU_CMC.ID08145.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08146.3p miR	TJU_CMC.ID08146.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08147.3p miR	TJU_CMC.ID08147.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08148.3p miR	TJU_CMC.ID08148.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08149.5p miR	TJU_CMC.ID08149.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08150.5p miR	TJU_CMC.ID08150.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08151.5p miR	TJU_CMC.ID08151.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08152.5p miR	TJU_CMC.ID08152.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08153.5p miR	TJU_CMC.ID08153.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08154.3p miR	TJU_CMC.ID08154.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08155.5p miR	TJU_CMC.ID08155.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08156.5p miR	TJU_CMC.ID08156.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08157.3p miR	TJU_CMC.ID08157.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08158.3p miR	TJU_CMC.ID08158.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08159.5p miR	TJU_CMC.ID08159.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08160.5p miR	TJU_CMC.ID08160.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID08161.5p miR	TJU_CMC.ID08161.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08162.5p miR	TJU_CMC.ID08162.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08163.5p miR	TJU_CMC.ID08163.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08164.5p miR	TJU_CMC.ID08164.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08165.5p miR	TJU_CMC.ID08165.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08166.3p miR	TJU_CMC.ID08166.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08167.3p miR	TJU_CMC.ID08167.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08168.3p miR	TJU_CMC.ID08168.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08169.5p miR	TJU_CMC.ID08169.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08170.5p miR	TJU_CMC.ID08170.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08171.3p miR	TJU_CMC.ID08171.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08172.5p miR	TJU_CMC.ID08172.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08173.3p miR	TJU_CMC.ID08173.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08174.3p miR	TJU_CMC.ID08174.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08175.5p miR	TJU_CMC.ID08175.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08176.3p miR	TJU_CMC.ID08176.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08177.5p miR	TJU_CMC.ID08177.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08178.3p miR	TJU_CMC.ID08178.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08179.3p miR	TJU_CMC.ID08179.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08180.3p miR	TJU_CMC.ID08180.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08181.3p miR	TJU_CMC.ID08181.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08182.5p miR	TJU_CMC.ID08182.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08183.3p miR	TJU_CMC.ID08183.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08184.5p miR	TJU_CMC.ID08184.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08185.3p miR	TJU_CMC.ID08185.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08186.5p miR	TJU_CMC.ID08186.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08187.3p miR	TJU_CMC.ID08187.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08188.3p miR	TJU_CMC.ID08188.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08189.3p miR	TJU_CMC.ID08189.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08190.5p miR	TJU_CMC.ID08190.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08191.5p miR	TJU_CMC.ID08191.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08192.3p miR	TJU_CMC.ID08192.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08193.3p miR	TJU_CMC.ID08193.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08194.3p miR	TJU_CMC.ID08194.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID08195.5p miR	TJU_CMC.ID08195.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08196.3p miR	TJU_CMC.ID08196.hairpin	YES	NO	YES	YES	YES	NO	NO	NO

TJU_CMC.ID08197.5p miR	TJU_CMC.ID08197.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08198.5p miR	TJU_CMC.ID08198.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08199.3p miR	TJU_CMC.ID08199.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08200.3p miR	TJU_CMC.ID08200.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08201.3p miR	TJU_CMC.ID08201.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08202.5p miR	TJU_CMC.ID08202.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08203.5p miR	TJU_CMC.ID08203.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08204.3p miR	TJU_CMC.ID08204.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08205.5p miR	TJU_CMC.ID08205.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08206.3p miR	TJU_CMC.ID08206.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08207.5p miR	TJU_CMC.ID08207.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08208.5p miR	TJU_CMC.ID08208.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08209.5p miR	TJU_CMC.ID08209.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08210.5p miR	TJU_CMC.ID08210.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08211.3p miR	TJU_CMC.ID08211.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08212.3p miR	TJU_CMC.ID08212.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08213.5p miR	TJU_CMC.ID08213.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08214.3p miR	TJU_CMC.ID08214.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08215.3p miR	TJU_CMC.ID08215.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08216.5p miR	TJU_CMC.ID08216.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08217.3p miR	TJU_CMC.ID08217.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08218.5p miR	TJU_CMC.ID08218.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08219.3p miR	TJU_CMC.ID08219.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08220.5p miR	TJU_CMC.ID08220.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08221.3p miR	TJU_CMC.ID08221.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08222.5p miR	TJU_CMC.ID08222.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08223.3p miR	TJU_CMC.ID08223.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08224.5p miR	TJU_CMC.ID08224.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08225.3p miR	TJU_CMC.ID08225.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08226.5p miR	TJU_CMC.ID08226.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08227.3p miR	TJU_CMC.ID08227.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08228.3p miR	TJU_CMC.ID08228.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08229.5p miR	TJU_CMC.ID08229.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08230.3p miR	TJU_CMC.ID08230.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08231.5p miR	TJU_CMC.ID08231.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08232.5p miR	TJU_CMC.ID08232.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID08233.5p miR	TJU_CMC.ID08233.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08234.5p miR	TJU_CMC.ID08234.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08235.5p miR	TJU_CMC.ID08235.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08236.3p miR	TJU_CMC.ID08236.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08237.3p miR	TJU_CMC.ID08237.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08238.5p miR	TJU_CMC.ID08238.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08239.3p miR	TJU_CMC.ID08239.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08240.5p miR	TJU_CMC.ID08240.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08241.5p miR	TJU_CMC.ID08241.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08242.5p miR	TJU_CMC.ID08242.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08243.5p miR	TJU_CMC.ID08243.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08244.3p miR	TJU_CMC.ID08244.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08245.5p miR	TJU_CMC.ID08245.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08246.3p miR	TJU_CMC.ID08246.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08247.3p miR	TJU_CMC.ID08247.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08248.3p miR	TJU_CMC.ID08248.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08249.5p miR	TJU_CMC.ID08249.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08250.3p miR	TJU_CMC.ID08250.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08251.3p miR	TJU_CMC.ID08251.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08252.3p miR	TJU_CMC.ID08252.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08253.3p miR	TJU_CMC.ID08253.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08254.3p miR	TJU_CMC.ID08254.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08255.5p miR	TJU_CMC.ID08255.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08256.3p miR	TJU_CMC.ID08256.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08257.5p miR	TJU_CMC.ID08257.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08258.3p miR	TJU_CMC.ID08258.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08259.5p miR	TJU_CMC.ID08259.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08260.5p miR	TJU_CMC.ID08260.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08261.5p miR	TJU_CMC.ID08261.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08262.5p miR	TJU_CMC.ID08262.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08263.3p miR	TJU_CMC.ID08263.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08264.5p miR	TJU_CMC.ID08264.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08265.5p miR	TJU_CMC.ID08265.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08266.3p miR	TJU_CMC.ID08266.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08267.5p miR	TJU_CMC.ID08267.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08268.5p miR	TJU_CMC.ID08268.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID08269.3p miR	TJU_CMC.ID08269.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08270.3p miR	TJU_CMC.ID08270.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08271.3p miR	TJU_CMC.ID08271.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08272.3p miR	TJU_CMC.ID08272.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08273.5p miR	TJU_CMC.ID08273.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08274.3p miR	TJU_CMC.ID08274.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08275.3p miR	TJU_CMC.ID08275.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08276.5p miR	TJU_CMC.ID08276.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08277.5p miR	TJU_CMC.ID08277.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08278.3p miR	TJU_CMC.ID08278.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08279.5p miR	TJU_CMC.ID08279.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08280.3p miR	TJU_CMC.ID08280.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08281.3p miR	TJU_CMC.ID08281.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08282.3p miR	TJU_CMC.ID08282.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08283.5p miR	TJU_CMC.ID08283.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08284.5p miR	TJU_CMC.ID08284.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08285.5p miR	TJU_CMC.ID08285.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08286.3p miR	TJU_CMC.ID08286.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08287.5p miR	TJU_CMC.ID08287.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08288.5p miR	TJU_CMC.ID08288.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08289.5p miR	TJU_CMC.ID08289.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08290.3p miR	TJU_CMC.ID08290.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08291.5p miR	TJU_CMC.ID08291.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08292.3p miR	TJU_CMC.ID08292.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08293.3p miR	TJU_CMC.ID08293.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08294.3p miR	TJU_CMC.ID08294.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08295.3p miR	TJU_CMC.ID08295.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08296.3p miR	TJU_CMC.ID08296.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08297.3p miR	TJU_CMC.ID08297.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08298.3p miR	TJU_CMC.ID08298.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08299.3p miR	TJU_CMC.ID08299.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08300.5p miR	TJU_CMC.ID08300.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08301.3p miR	TJU_CMC.ID08301.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08302.3p miR	TJU_CMC.ID08302.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08303.3p miR	TJU_CMC.ID08303.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08304.5p miR	TJU_CMC.ID08304.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID08305.5p miR	TJU_CMC.ID08305.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08306.3p miR	TJU_CMC.ID08306.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08307.3p miR	TJU_CMC.ID08307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08308.3p miR	TJU_CMC.ID08308.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08309.5p miR	TJU_CMC.ID08309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08310.5p miR	TJU_CMC.ID08310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08311.3p miR	TJU_CMC.ID08311.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08312.3p miR	TJU_CMC.ID08312.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08313.5p miR	TJU_CMC.ID08313.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08314.3p miR	TJU_CMC.ID08314.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08315.3p miR	TJU_CMC.ID08315.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08316.3p miR	TJU_CMC.ID08316.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08317.5p miR	TJU_CMC.ID08317.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08318.5p miR	TJU_CMC.ID08318.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08319.5p miR	TJU_CMC.ID08319.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08320.5p miR	TJU_CMC.ID08320.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08321.5p miR	TJU_CMC.ID08321.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08322.5p miR	TJU_CMC.ID08322.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08323.3p miR	TJU_CMC.ID08323.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08324.5p miR	TJU_CMC.ID08324.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08325.3p miR	TJU_CMC.ID08325.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08326.3p miR	TJU_CMC.ID08326.hairpin	YES	YES YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08327.5p miR	TJU_CMC.ID08327.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08328.5p miR	TJU_CMC.ID08328.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08329.3p miR	TJU_CMC.ID08329.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08330.3p miR	TJU_CMC.ID08330.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08331.5p miR	TJU_CMC.ID08331.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08332.3p miR	TJU_CMC.ID08332.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08333.5p miR	TJU_CMC.ID08333.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08334.3p miR	TJU_CMC.ID08334.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08335.3p miR	TJU_CMC.ID08335.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08336.3p miR	TJU_CMC.ID08336.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08337.3p miR	TJU_CMC.ID08337.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08338.3p miR	TJU_CMC.ID08338.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08339.3p miR	TJU_CMC.ID08339.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08340.5p miR	TJU_CMC.ID08340.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	

TJU_CMC.ID08341.3p miR	TJU_CMC.ID08341.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08342.5p miR	TJU_CMC.ID08342.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08343.3p miR	TJU_CMC.ID08343.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08344.5p miR	TJU_CMC.ID08344.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08345.3p miR	TJU_CMC.ID08345.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08346.3p miR	TJU_CMC.ID08346.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08347.5p miR	TJU_CMC.ID08347.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08348.3p miR	TJU_CMC.ID08348.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08349.3p miR	TJU_CMC.ID08349.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08350.5p miR	TJU_CMC.ID08350.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08351.5p miR	TJU_CMC.ID08351.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08352.3p miR	TJU_CMC.ID08352.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08353.5p miR	TJU_CMC.ID08353.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08354.3p miR	TJU_CMC.ID08354.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08355.3p miR	TJU_CMC.ID08355.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08356.5p miR	TJU_CMC.ID08356.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08357.5p miR	TJU_CMC.ID08357.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08358.3p miR	TJU_CMC.ID08358.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08359.5p miR	TJU_CMC.ID08359.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08360.3p miR	TJU_CMC.ID08360.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08361.5p miR	TJU_CMC.ID08361.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08362.3p miR	TJU_CMC.ID08362.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08363.5p miR	TJU_CMC.ID08363.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08364.3p miR	TJU_CMC.ID08364.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08365.5p miR	TJU_CMC.ID08365.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08366.3p miR	TJU_CMC.ID08366.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08367.3p miR	TJU_CMC.ID08367.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08368.3p miR	TJU_CMC.ID08368.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08369.5p miR	TJU_CMC.ID08369.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08370.3p miR	TJU_CMC.ID08370.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08371.3p miR	TJU_CMC.ID08371.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08372.5p miR	TJU_CMC.ID08372.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08373.3p miR	TJU_CMC.ID08373.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08374.5p miR	TJU_CMC.ID08374.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08375.5p miR	TJU_CMC.ID08375.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08376.5p miR	TJU_CMC.ID08376.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08377.3p miR	TJU_CMC.ID08377.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08378.5p miR	TJU_CMC.ID08378.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID08379.3p miR	TJU_CMC.ID08379.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08380.5p miR	TJU_CMC.ID08380.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08381.5p miR	TJU_CMC.ID08381.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08382.3p miR	TJU_CMC.ID08382.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08383.5p miR	TJU_CMC.ID08383.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08384.5p miR	TJU_CMC.ID08384.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08385.5p miR	TJU_CMC.ID08385.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08386.3p miR	TJU_CMC.ID08386.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08387.3p miR	TJU_CMC.ID08387.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08388.3p miR	TJU_CMC.ID08388.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08389.5p miR	TJU_CMC.ID08389.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08390.3p miR	TJU_CMC.ID08390.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08391.3p miR	TJU_CMC.ID08391.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08392.3p miR	TJU_CMC.ID08392.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08393.3p miR	TJU_CMC.ID08393.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08394.3p miR	TJU_CMC.ID08394.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08395.5p miR	TJU_CMC.ID08395.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08396.3p miR	TJU_CMC.ID08396.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08397.3p miR	TJU_CMC.ID08397.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08398.5p miR	TJU_CMC.ID08398.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08399.5p miR	TJU_CMC.ID08399.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08400.5p miR	TJU_CMC.ID08400.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08401.5p miR	TJU_CMC.ID08401.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08402.5p miR	TJU_CMC.ID08402.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08403.3p miR	TJU_CMC.ID08403.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08404.5p miR	TJU_CMC.ID08404.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID08405.3p miR	TJU_CMC.ID08405.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08406.5p miR	TJU_CMC.ID08406.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08407.3p miR	TJU_CMC.ID08407.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08408.3p miR	TJU_CMC.ID08408.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08409.5p miR	TJU_CMC.ID08409.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08410.5p miR	TJU_CMC.ID08410.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08411.5p miR	TJU_CMC.ID08411.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08412.3p miR	TJU_CMC.ID08412.hairpin	YES	YES YES	NO	NO	NO	NO	NO	

TJU_CMC.ID08413.3p miR	TJU_CMC.ID08413.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08414.5p miR	TJU_CMC.ID08414.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08415.3p miR	TJU_CMC.ID08415.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08416.5p miR	TJU_CMC.ID08416.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08417.5p miR	TJU_CMC.ID08417.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08418.5p miR	TJU_CMC.ID08418.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC.ID08419.3p miR	TJU_CMC.ID08419.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08420.5p miR	TJU_CMC.ID08420.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08421.5p miR	TJU_CMC.ID08421.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08422.3p miR	TJU_CMC.ID08422.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08423.5p miR	TJU_CMC.ID08423.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08424.5p miR	TJU_CMC.ID08424.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08425.3p miR	TJU_CMC.ID08425.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08426.3p miR	TJU_CMC.ID08426.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08427.3p miR	TJU_CMC.ID08427.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08428.3p miR	TJU_CMC.ID08428.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08429.5p miR	TJU_CMC.ID08429.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08430.5p miR	TJU_CMC.ID08430.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08431.5p miR	TJU_CMC.ID08431.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08432.5p miR	TJU_CMC.ID08432.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08433.5p miR	TJU_CMC.ID08433.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08434.5p miR	TJU_CMC.ID08434.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08435.3p miR	TJU_CMC.ID08435.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08436.5p miR	TJU_CMC.ID08436.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08437.5p miR	TJU_CMC.ID08437.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08438.3p miR	TJU_CMC.ID08438.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08439.5p miR	TJU_CMC.ID08439.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08440.5p miR	TJU_CMC.ID08440.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08441.5p miR	TJU_CMC.ID08441.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08442.5p miR	TJU_CMC.ID08442.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08443.3p miR	TJU_CMC.ID08443.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08444.3p miR	TJU_CMC.ID08444.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08445.5p miR	TJU_CMC.ID08445.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08446.3p miR	TJU_CMC.ID08446.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08447.3p miR	TJU_CMC.ID08447.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08448.5p miR	TJU_CMC.ID08448.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID08449.3p miR	TJU_CMC.ID08449.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID08450.5p miR	TJU_CMC.ID08450.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08451.5p miR	TJU_CMC.ID08451.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08452.5p miR	TJU_CMC.ID08452.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08453.5p miR	TJU_CMC.ID08453.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08454.3p miR	TJU_CMC.ID08454.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08455.5p miR	TJU_CMC.ID08455.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08456.3p miR	TJU_CMC.ID08456.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08457.3p miR	TJU_CMC.ID08457.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08458.3p miR	TJU_CMC.ID08458.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08459.3p miR	TJU_CMC.ID08459.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08460.3p miR	TJU_CMC.ID08460.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08461.5p miR	TJU_CMC.ID08461.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08462.3p miR	TJU_CMC.ID08462.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC.ID08463.3p miR	TJU_CMC.ID08463.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08464.3p miR	TJU_CMC.ID08464.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08465.3p miR	TJU_CMC.ID08465.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08466.5p miR	TJU_CMC.ID08466.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08467.5p miR	TJU_CMC.ID08467.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08468.5p miR	TJU_CMC.ID08468.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08469.5p miR	TJU_CMC.ID08469.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08470.3p miR	TJU_CMC.ID08470.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08471.3p miR	TJU_CMC.ID08471.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08472.3p miR	TJU_CMC.ID08472.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08473.5p miR	TJU_CMC.ID08473.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08474.5p miR	TJU_CMC.ID08474.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08475.3p miR	TJU_CMC.ID08475.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08476.5p miR	TJU_CMC.ID08476.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08477.5p miR	TJU_CMC.ID08477.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08478.5p miR	TJU_CMC.ID08478.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08479.5p miR	TJU_CMC.ID08479.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08480.5p miR	TJU_CMC.ID08480.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08481.5p miR	TJU_CMC.ID08481.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08482.5p miR	TJU_CMC.ID08482.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08483.5p miR	TJU_CMC.ID08483.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08484.5p miR	TJU_CMC.ID08484.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID08485.3p miR	TJU_CMC.ID08485.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08486.5p miR	TJU_CMC.ID08486.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08487.5p miR	TJU_CMC.ID08487.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08488.3p miR	TJU_CMC.ID08488.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08489.3p miR	TJU_CMC.ID08489.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08490.3p miR	TJU_CMC.ID08490.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08491.3p miR	TJU_CMC.ID08491.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08492.5p miR	TJU_CMC.ID08492.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08493.5p miR	TJU_CMC.ID08493.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08494.5p miR	TJU_CMC.ID08494.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08495.3p miR	TJU_CMC.ID08495.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08496.3p miR	TJU_CMC.ID08496.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08497.5p miR	TJU_CMC.ID08497.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08498.3p miR	TJU_CMC.ID08498.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08499.5p miR	TJU_CMC.ID08499.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08500.5p miR	TJU_CMC.ID08500.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08501.5p miR	TJU_CMC.ID08501.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08502.5p miR	TJU_CMC.ID08502.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08503.5p miR	TJU_CMC.ID08503.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08504.3p miR	TJU_CMC.ID08504.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08505.3p miR	TJU_CMC.ID08505.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08506.3p miR	TJU_CMC.ID08506.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID08507.5p miR	TJU_CMC.ID08507.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08508.5p miR	TJU_CMC.ID08508.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08509.5p miR	TJU_CMC.ID08509.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08510.5p miR	TJU_CMC.ID08510.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08511.3p miR	TJU_CMC.ID08511.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08512.3p miR	TJU_CMC.ID08512.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08513.3p miR	TJU_CMC.ID08513.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08514.3p miR	TJU_CMC.ID08514.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08515.5p miR	TJU_CMC.ID08515.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08516.5p miR	TJU_CMC.ID08516.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08517.3p miR	TJU_CMC.ID08517.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08518.5p miR	TJU_CMC.ID08518.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08519.3p miR	TJU_CMC.ID08519.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08520.5p miR	TJU_CMC.ID08520.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID08521.3p miR	TJU_CMC.ID08521.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08522.5p miR	TJU_CMC.ID08522.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08523.5p miR	TJU_CMC.ID08523.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08524.5p miR	TJU_CMC.ID08524.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08525.3p miR	TJU_CMC.ID08525.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08526.5p miR	TJU_CMC.ID08526.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08527.5p miR	TJU_CMC.ID08527.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08528.5p miR	TJU_CMC.ID08528.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08529.3p miR	TJU_CMC.ID08529.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08530.5p miR	TJU_CMC.ID08530.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08531.3p miR	TJU_CMC.ID08531.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08532.5p miR	TJU_CMC.ID08532.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08533.5p miR	TJU_CMC.ID08533.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08534.5p miR	TJU_CMC.ID08534.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08535.3p miR	TJU_CMC.ID08535.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08536.5p miR	TJU_CMC.ID08536.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08537.5p miR	TJU_CMC.ID08537.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08538.5p miR	TJU_CMC.ID08538.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08539.3p miR	TJU_CMC.ID08539.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08540.3p miR	TJU_CMC.ID08540.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08541.5p miR	TJU_CMC.ID08541.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08542.3p miR	TJU_CMC.ID08542.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08543.3p miR	TJU_CMC.ID08543.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08544.3p miR	TJU_CMC.ID08544.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08545.5p miR	TJU_CMC.ID08545.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08546.5p miR	TJU_CMC.ID08546.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08547.5p miR	TJU_CMC.ID08547.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08548.3p miR	TJU_CMC.ID08548.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08549.3p miR	TJU_CMC.ID08549.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08550.3p miR	TJU_CMC.ID08550.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08551.3p miR	TJU_CMC.ID08551.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08552.3p miR	TJU_CMC.ID08552.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08553.3p miR	TJU_CMC.ID08553.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08554.3p miR	TJU_CMC.ID08554.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08555.3p miR	TJU_CMC.ID08555.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08556.5p miR	TJU_CMC.ID08556.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08557.3p miR	TJU_CMC.ID08557.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08558.5p miR	TJU_CMC.ID08558.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08559.3p miR	TJU_CMC.ID08559.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08560.3p miR	TJU_CMC.ID08560.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08561.5p miR	TJU_CMC.ID08561.hairpin	YES	YES YES	NO	NO	YES	NO	NO	
TJU_CMC.ID08562.5p miR	TJU_CMC.ID08562.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID08563.5p miR	TJU_CMC.ID08563.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08564.3p miR	TJU_CMC.ID08564.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08565.3p miR	TJU_CMC.ID08565.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08566.3p miR	TJU_CMC.ID08566.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08567.3p miR	TJU_CMC.ID08567.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08568.5p miR	TJU_CMC.ID08568.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08569.3p miR	TJU_CMC.ID08569.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08570.3p miR	TJU_CMC.ID08570.hairpin	YES	YES NO	NO	YES	NO	NO	NO	
TJU_CMC.ID08571.3p miR	TJU_CMC.ID08571.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08572.3p miR	TJU_CMC.ID08572.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08573.5p miR	TJU_CMC.ID08573.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08574.5p miR	TJU_CMC.ID08574.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08575.5p miR	TJU_CMC.ID08575.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08576.3p miR	TJU_CMC.ID08576.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08577.5p miR	TJU_CMC.ID08577.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08578.5p miR	TJU_CMC.ID08578.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08579.5p miR	TJU_CMC.ID08579.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08580.5p miR	TJU_CMC.ID08580.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08581.3p miR	TJU_CMC.ID08581.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08582.3p miR	TJU_CMC.ID08582.hairpin	YES	YES NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08583.5p miR	TJU_CMC.ID08583.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08584.5p miR	TJU_CMC.ID08584.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08585.3p miR	TJU_CMC.ID08585.hairpin	YES	NO YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08586.3p miR	TJU_CMC.ID08586.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08587.5p miR	TJU_CMC.ID08587.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08588.5p miR	TJU_CMC.ID08588.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08589.5p miR	TJU_CMC.ID08589.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08590.3p miR	TJU_CMC.ID08590.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08591.5p miR	TJU_CMC.ID08591.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08592.5p miR	TJU_CMC.ID08592.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID08593.3p miR	TJU_CMC.ID08593.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08594.5p miR	TJU_CMC.ID08594.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08595.5p miR	TJU_CMC.ID08595.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08596.5p miR	TJU_CMC.ID08596.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08597.5p miR	TJU_CMC.ID08597.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08598.5p miR	TJU_CMC.ID08598.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08599.3p miR	TJU_CMC.ID08599.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08600.3p miR	TJU_CMC.ID08600.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08601.5p miR	TJU_CMC.ID08601.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08602.3p miR	TJU_CMC.ID08602.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08603.5p miR	TJU_CMC.ID08603.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08604.3p miR	TJU_CMC.ID08604.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08605.3p miR	TJU_CMC.ID08605.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08606.5p miR	TJU_CMC.ID08606.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08607.3p miR	TJU_CMC.ID08607.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	
TJU_CMC.ID08608.5p miR	TJU_CMC.ID08608.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08609.3p miR	TJU_CMC.ID08609.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08610.5p miR	TJU_CMC.ID08610.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08611.3p miR	TJU_CMC.ID08611.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08612.5p miR	TJU_CMC.ID08612.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08613.3p miR	TJU_CMC.ID08613.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08614.3p miR	TJU_CMC.ID08614.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08615.3p miR	TJU_CMC.ID08615.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08616.5p miR	TJU_CMC.ID08616.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08617.5p miR	TJU_CMC.ID08617.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08618.3p miR	TJU_CMC.ID08618.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08619.5p miR	TJU_CMC.ID08619.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08620.3p miR	TJU_CMC.ID08620.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08621.3p miR	TJU_CMC.ID08621.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08622.3p miR	TJU_CMC.ID08622.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08623.3p miR	TJU_CMC.ID08623.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08624.3p miR	TJU_CMC.ID08624.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08625.5p miR	TJU_CMC.ID08625.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08626.3p miR	TJU_CMC.ID08626.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08627.5p miR	TJU_CMC.ID08627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08628.5p miR	TJU_CMC.ID08628.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	

TJU_CMC.ID08629.5p miR	TJU_CMC.ID08629.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08630.3p miR	TJU_CMC.ID08630.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08631.3p miR	TJU_CMC.ID08631.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08632.3p miR	TJU_CMC.ID08632.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08633.3p miR	TJU_CMC.ID08633.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08634.3p miR	TJU_CMC.ID08634.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08635.3p miR	TJU_CMC.ID08635.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08636.3p miR	TJU_CMC.ID08636.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08637.3p miR	TJU_CMC.ID08637.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08638.3p miR	TJU_CMC.ID08638.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08639.3p miR	TJU_CMC.ID08639.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08640.5p miR	TJU_CMC.ID08640.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08641.5p miR	TJU_CMC.ID08641.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08642.5p miR	TJU_CMC.ID08642.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08643.3p miR	TJU_CMC.ID08643.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08644.5p miR	TJU_CMC.ID08644.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08645.3p miR	TJU_CMC.ID08645.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08646.3p miR	TJU_CMC.ID08646.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08647.5p miR	TJU_CMC.ID08647.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08648.3p miR	TJU_CMC.ID08648.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08649.3p miR	TJU_CMC.ID08649.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08650.5p miR	TJU_CMC.ID08650.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08651.3p miR	TJU_CMC.ID08651.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08652.5p miR	TJU_CMC.ID08652.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08653.3p miR	TJU_CMC.ID08653.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08654.3p miR	TJU_CMC.ID08654.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08655.5p miR	TJU_CMC.ID08655.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08656.5p miR	TJU_CMC.ID08656.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08657.5p miR	TJU_CMC.ID08657.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08658.5p miR	TJU_CMC.ID08658.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08659.5p miR	TJU_CMC.ID08659.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08660.5p miR	TJU_CMC.ID08660.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08661.3p miR	TJU_CMC.ID08661.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08662.5p miR	TJU_CMC.ID08662.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08663.3p miR	TJU_CMC.ID08663.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08664.5p miR	TJU_CMC.ID08664.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID08665.5p miR	TJU_CMC.ID08665.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08666.5p miR	TJU_CMC.ID08666.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08667.3p miR	TJU_CMC.ID08667.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08668.5p miR	TJU_CMC.ID08668.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08669.5p miR	TJU_CMC.ID08669.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08670.3p miR	TJU_CMC.ID08670.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08671.3p miR	TJU_CMC.ID08671.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08672.5p miR	TJU_CMC.ID08672.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08673.3p miR	TJU_CMC.ID08673.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08674.5p miR	TJU_CMC.ID08674.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08675.5p miR	TJU_CMC.ID08675.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08676.3p miR	TJU_CMC.ID08676.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08677.3p miR	TJU_CMC.ID08677.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08678.5p miR	TJU_CMC.ID08678.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08679.5p miR	TJU_CMC.ID08679.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08680.5p miR	TJU_CMC.ID08680.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08681.3p miR	TJU_CMC.ID08681.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08682.5p miR	TJU_CMC.ID08682.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08683.3p miR	TJU_CMC.ID08683.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08684.3p miR	TJU_CMC.ID08684.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08685.3p miR	TJU_CMC.ID08685.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08686.5p miR	TJU_CMC.ID08686.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08687.5p miR	TJU_CMC.ID08687.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08688.3p miR	TJU_CMC.ID08688.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08689.3p miR	TJU_CMC.ID08689.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08690.5p miR	TJU_CMC.ID08690.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08691.3p miR	TJU_CMC.ID08691.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08692.5p miR	TJU_CMC.ID08692.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08693.3p miR	TJU_CMC.ID08693.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08694.5p miR	TJU_CMC.ID08694.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08695.3p miR	TJU_CMC.ID08695.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08696.3p miR	TJU_CMC.ID08696.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08697.5p miR	TJU_CMC.ID08697.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08698.5p miR	TJU_CMC.ID08698.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08699.5p miR	TJU_CMC.ID08699.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08700.5p miR	TJU_CMC.ID08700.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08701.5p miR	TJU_CMC.ID08701.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08702.3p miR	TJU_CMC.ID08702.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08703.3p miR	TJU_CMC.ID08703.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08704.5p miR	TJU_CMC.ID08704.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08705.3p miR	TJU_CMC.ID08705.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08706.5p miR	TJU_CMC.ID08706.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08707.3p miR	TJU_CMC.ID08707.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08708.3p miR	TJU_CMC.ID08708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08709.3p miR	TJU_CMC.ID08709.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08710.5p miR	TJU_CMC.ID08710.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08711.5p miR	TJU_CMC.ID08711.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08712.3p miR	TJU_CMC.ID08712.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08713.3p miR	TJU_CMC.ID08713.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08714.3p miR	TJU_CMC.ID08714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08715.5p miR	TJU_CMC.ID08715.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08716.5p miR	TJU_CMC.ID08716.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08717.3p miR	TJU_CMC.ID08717.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08718.3p miR	TJU_CMC.ID08718.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08719.5p miR	TJU_CMC.ID08719.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08720.3p miR	TJU_CMC.ID08720.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08721.3p miR	TJU_CMC.ID08721.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08722.5p miR	TJU_CMC.ID08722.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08723.3p miR	TJU_CMC.ID08723.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08724.3p miR	TJU_CMC.ID08724.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08725.3p miR	TJU_CMC.ID08725.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08726.5p miR	TJU_CMC.ID08726.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08727.5p miR	TJU_CMC.ID08727.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08728.3p miR	TJU_CMC.ID08728.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08729.3p miR	TJU_CMC.ID08729.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08730.5p miR	TJU_CMC.ID08730.hairpin	YES	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08731.3p miR	TJU_CMC.ID08731.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08732.5p miR	TJU_CMC.ID08732.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08733.3p miR	TJU_CMC.ID08733.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08734.5p miR	TJU_CMC.ID08734.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08735.3p miR	TJU_CMC.ID08735.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08736.3p miR	TJU_CMC.ID08736.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08737.5p miR	TJU_CMC.ID08737.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08738.3p miR	TJU_CMC.ID08738.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08739.5p miR	TJU_CMC.ID08739.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08740.3p miR	TJU_CMC.ID08740.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08741.5p miR	TJU_CMC.ID08741.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08742.5p miR	TJU_CMC.ID08742.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08743.3p miR	TJU_CMC.ID08743.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08744.3p miR	TJU_CMC.ID08744.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08745.5p miR	TJU_CMC.ID08745.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08746.3p miR	TJU_CMC.ID08746.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08747.5p miR	TJU_CMC.ID08747.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08748.5p miR	TJU_CMC.ID08748.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08749.5p miR	TJU_CMC.ID08749.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08750.3p miR	TJU_CMC.ID08750.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08751.5p miR	TJU_CMC.ID08751.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08752.5p miR	TJU_CMC.ID08752.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08753.3p miR	TJU_CMC.ID08753.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08754.3p miR	TJU_CMC.ID08754.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08755.5p miR	TJU_CMC.ID08755.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08756.3p miR	TJU_CMC.ID08756.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08757.3p miR	TJU_CMC.ID08757.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08758.5p miR	TJU_CMC.ID08758.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08759.5p miR	TJU_CMC.ID08759.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08760.5p miR	TJU_CMC.ID08760.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08761.5p miR	TJU_CMC.ID08761.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08762.5p miR	TJU_CMC.ID08762.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08763.5p miR	TJU_CMC.ID08763.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08764.5p miR	TJU_CMC.ID08764.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08765.3p miR	TJU_CMC.ID08765.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08766.5p miR	TJU_CMC.ID08766.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08767.5p miR	TJU_CMC.ID08767.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08768.5p miR	TJU_CMC.ID08768.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08769.5p miR	TJU_CMC.ID08769.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08770.5p miR	TJU_CMC.ID08770.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08771.5p miR	TJU_CMC.ID08771.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08772.5p miR	TJU_CMC.ID08772.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID08773.5p miR	TJU_CMC.ID08773.hairpin	YES	NO NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08774.5p miR	TJU_CMC.ID08774.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08775.5p miR	TJU_CMC.ID08775.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08776.3p miR	TJU_CMC.ID08776.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08777.5p miR	TJU_CMC.ID08777.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08778.5p miR	TJU_CMC.ID08778.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08779.3p miR	TJU_CMC.ID08779.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08780.3p miR	TJU_CMC.ID08780.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08781.3p miR	TJU_CMC.ID08781.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08782.5p miR	TJU_CMC.ID08782.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08783.5p miR	TJU_CMC.ID08783.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08784.3p miR	TJU_CMC.ID08784.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08785.5p miR	TJU_CMC.ID08785.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08786.5p miR	TJU_CMC.ID08786.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08787.3p miR	TJU_CMC.ID08787.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08788.3p miR	TJU_CMC.ID08788.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08789.3p miR	TJU_CMC.ID08789.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08790.3p miR	TJU_CMC.ID08790.hairpin	YES	NO NO	NO	NO	NO	YES	NO	NO
TJU_CMC.ID08791.3p miR	TJU_CMC.ID08791.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08792.5p miR	TJU_CMC.ID08792.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08793.5p miR	TJU_CMC.ID08793.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08794.3p miR	TJU_CMC.ID08794.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08795.3p miR	TJU_CMC.ID08795.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08796.3p miR	TJU_CMC.ID08796.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08797.5p miR	TJU_CMC.ID08797.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08798.3p miR	TJU_CMC.ID08798.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08799.5p miR	TJU_CMC.ID08799.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08800.3p miR	TJU_CMC.ID08800.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08801.5p miR	TJU_CMC.ID08801.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08802.3p miR	TJU_CMC.ID08802.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08803.3p miR	TJU_CMC.ID08803.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08804.3p miR	TJU_CMC.ID08804.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08805.3p miR	TJU_CMC.ID08805.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08806.5p miR	TJU_CMC.ID08806.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08807.3p miR	TJU_CMC.ID08807.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08808.5p miR	TJU_CMC.ID08808.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID08809.3p miR	TJU_CMC.ID08809.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08810.5p miR	TJU_CMC.ID08810.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08811.5p miR	TJU_CMC.ID08811.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08812.3p miR	TJU_CMC.ID08812.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08813.3p miR	TJU_CMC.ID08813.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08814.3p miR	TJU_CMC.ID08814.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08815.5p miR	TJU_CMC.ID08815.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08816.3p miR	TJU_CMC.ID08816.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID08817.5p miR	TJU_CMC.ID08817.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08818.5p miR	TJU_CMC.ID08818.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08819.3p miR	TJU_CMC.ID08819.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08820.3p miR	TJU_CMC.ID08820.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08821.5p miR	TJU_CMC.ID08821.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08822.3p miR	TJU_CMC.ID08822.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08823.5p miR	TJU_CMC.ID08823.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08824.5p miR	TJU_CMC.ID08824.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08825.5p miR	TJU_CMC.ID08825.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08826.3p miR	TJU_CMC.ID08826.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08827.3p miR	TJU_CMC.ID08827.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08828.3p miR	TJU_CMC.ID08828.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08829.5p miR	TJU_CMC.ID08829.hairpin	YES	YES YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08830.3p miR	TJU_CMC.ID08830.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08831.3p miR	TJU_CMC.ID08831.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08832.5p miR	TJU_CMC.ID08832.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08833.5p miR	TJU_CMC.ID08833.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08834.5p miR	TJU_CMC.ID08834.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08835.3p miR	TJU_CMC.ID08835.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08836.5p miR	TJU_CMC.ID08836.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08837.3p miR	TJU_CMC.ID08837.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08838.5p miR	TJU_CMC.ID08838.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08839.3p miR	TJU_CMC.ID08839.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08840.3p miR	TJU_CMC.ID08840.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08841.3p miR	TJU_CMC.ID08841.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08842.3p miR	TJU_CMC.ID08842.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08843.3p miR	TJU_CMC.ID08843.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08844.5p miR	TJU_CMC.ID08844.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08845.3p miR	TJU_CMC.ID08845.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08846.3p miR	TJU_CMC.ID08846.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08847.5p miR	TJU_CMC.ID08847.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08848.3p miR	TJU_CMC.ID08848.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08849.3p miR	TJU_CMC.ID08849.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08850.3p miR	TJU_CMC.ID08850.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08851.3p miR	TJU_CMC.ID08851.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08852.5p miR	TJU_CMC.ID08852.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08853.5p miR	TJU_CMC.ID08853.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08854.3p miR	TJU_CMC.ID08854.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08855.3p miR	TJU_CMC.ID08855.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08856.3p miR	TJU_CMC.ID08856.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08857.5p miR	TJU_CMC.ID08857.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08858.5p miR	TJU_CMC.ID08858.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08859.5p miR	TJU_CMC.ID08859.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08860.3p miR	TJU_CMC.ID08860.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08861.5p miR	TJU_CMC.ID08861.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08862.3p miR	TJU_CMC.ID08862.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08863.5p miR	TJU_CMC.ID08863.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08864.5p miR	TJU_CMC.ID08864.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08865.3p miR	TJU_CMC.ID08865.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08866.3p miR	TJU_CMC.ID08866.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08867.3p miR	TJU_CMC.ID08867.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08868.5p miR	TJU_CMC.ID08868.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08869.5p miR	TJU_CMC.ID08869.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08870.3p miR	TJU_CMC.ID08870.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08871.3p miR	TJU_CMC.ID08871.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08872.5p miR	TJU_CMC.ID08872.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08873.3p miR	TJU_CMC.ID08873.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08874.5p miR	TJU_CMC.ID08874.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08875.3p miR	TJU_CMC.ID08875.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08876.5p miR	TJU_CMC.ID08876.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08877.5p miR	TJU_CMC.ID08877.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08878.3p miR	TJU_CMC.ID08878.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08879.5p miR	TJU_CMC.ID08879.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08880.5p miR	TJU_CMC.ID08880.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC.ID08881.3p miR	TJU_CMC.ID08881.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08882.5p miR	TJU_CMC.ID08882.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08883.3p miR	TJU_CMC.ID08883.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08884.5p miR	TJU_CMC.ID08884.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08885.5p miR	TJU_CMC.ID08885.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08886.5p miR	TJU_CMC.ID08886.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08887.3p miR	TJU_CMC.ID08887.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08888.3p miR	TJU_CMC.ID08888.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08889.3p miR	TJU_CMC.ID08889.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08890.5p miR	TJU_CMC.ID08890.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08891.3p miR	TJU_CMC.ID08891.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08892.5p miR	TJU_CMC.ID08892.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08893.3p miR	TJU_CMC.ID08893.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08894.3p miR	TJU_CMC.ID08894.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08895.3p miR	TJU_CMC.ID08895.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08896.3p miR	TJU_CMC.ID08896.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08897.5p miR	TJU_CMC.ID08897.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08898.5p miR	TJU_CMC.ID08898.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08899.3p miR	TJU_CMC.ID08899.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08900.3p miR	TJU_CMC.ID08900.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08901.5p miR	TJU_CMC.ID08901.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08902.5p miR	TJU_CMC.ID08902.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08903.3p miR	TJU_CMC.ID08903.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID08904.3p miR	TJU_CMC.ID08904.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08905.5p miR	TJU_CMC.ID08905.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08906.5p miR	TJU_CMC.ID08906.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08907.3p miR	TJU_CMC.ID08907.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08908.3p miR	TJU_CMC.ID08908.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08909.3p miR	TJU_CMC.ID08909.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08910.5p miR	TJU_CMC.ID08910.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08911.5p miR	TJU_CMC.ID08911.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08912.3p miR	TJU_CMC.ID08912.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08913.3p miR	TJU_CMC.ID08913.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08914.3p miR	TJU_CMC.ID08914.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08915.3p miR	TJU_CMC.ID08915.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08916.5p miR	TJU_CMC.ID08916.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	

TJU_CMC.ID08917.3p miR	TJU_CMC.ID08917.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08918.3p miR	TJU_CMC.ID08918.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08919.5p miR	TJU_CMC.ID08919.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID08920.3p miR	TJU_CMC.ID08920.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08921.5p miR	TJU_CMC.ID08921.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08922.5p miR	TJU_CMC.ID08922.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08923.3p miR	TJU_CMC.ID08923.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08924.3p miR	TJU_CMC.ID08924.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC.ID08925.3p miR	TJU_CMC.ID08925.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08926.3p miR	TJU_CMC.ID08926.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08927.5p miR	TJU_CMC.ID08927.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08928.3p miR	TJU_CMC.ID08928.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08929.3p miR	TJU_CMC.ID08929.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08930.5p miR	TJU_CMC.ID08930.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08931.5p miR	TJU_CMC.ID08931.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08932.3p miR	TJU_CMC.ID08932.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08933.3p miR	TJU_CMC.ID08933.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08934.5p miR	TJU_CMC.ID08934.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID08935.5p miR	TJU_CMC.ID08935.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08936.5p miR	TJU_CMC.ID08936.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08937.5p miR	TJU_CMC.ID08937.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08938.5p miR	TJU_CMC.ID08938.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08939.5p miR	TJU_CMC.ID08939.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08940.3p miR	TJU_CMC.ID08940.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08941.5p miR	TJU_CMC.ID08941.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08942.5p miR	TJU_CMC.ID08942.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID08943.3p miR	TJU_CMC.ID08943.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID08944.3p miR	TJU_CMC.ID08944.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08945.3p miR	TJU_CMC.ID08945.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID08946.3p miR	TJU_CMC.ID08946.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID08947.3p miR	TJU_CMC.ID08947.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID08948.5p miR	TJU_CMC.ID08948.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08949.5p miR	TJU_CMC.ID08949.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08950.3p miR	TJU_CMC.ID08950.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08951.3p miR	TJU_CMC.ID08951.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID08952.5p miR	TJU_CMC.ID08952.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID08953.5p miR	TJU_CMC.ID08953.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08954.3p miR	TJU_CMC.ID08954.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08955.3p miR	TJU_CMC.ID08955.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08956.3p miR	TJU_CMC.ID08956.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08957.5p miR	TJU_CMC.ID08957.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08958.5p miR	TJU_CMC.ID08958.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08959.3p miR	TJU_CMC.ID08959.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08960.5p miR	TJU_CMC.ID08960.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08961.5p miR	TJU_CMC.ID08961.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08962.5p miR	TJU_CMC.ID08962.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08963.3p miR	TJU_CMC.ID08963.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08964.3p miR	TJU_CMC.ID08964.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08965.3p miR	TJU_CMC.ID08965.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08966.5p miR	TJU_CMC.ID08966.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08967.3p miR	TJU_CMC.ID08967.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08968.5p miR	TJU_CMC.ID08968.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08969.3p miR	TJU_CMC.ID08969.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08970.5p miR	TJU_CMC.ID08970.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08971.5p miR	TJU_CMC.ID08971.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08972.5p miR	TJU_CMC.ID08972.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08973.5p miR	TJU_CMC.ID08973.hairpin	YES	NO	YES	NC	NO	NO	NO	NO	NO	
TJU_CMC.ID08974.5p miR	TJU_CMC.ID08974.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08975.3p miR	TJU_CMC.ID08975.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08976.5p miR	TJU_CMC.ID08976.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08977.3p miR	TJU_CMC.ID08977.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08978.3p miR	TJU_CMC.ID08978.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08979.5p miR	TJU_CMC.ID08979.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08980.5p miR	TJU_CMC.ID08980.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08981.5p miR	TJU_CMC.ID08981.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08982.3p miR	TJU_CMC.ID08982.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08983.5p miR	TJU_CMC.ID08983.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08984.3p miR	TJU_CMC.ID08984.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08985.5p miR	TJU_CMC.ID08985.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08986.3p miR	TJU_CMC.ID08986.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08987.5p miR	TJU_CMC.ID08987.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08988.3p miR	TJU_CMC.ID08988.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID08989.5p miR	TJU_CMC.ID08989.hairpin	YES	YES NO	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08990.3p miR	TJU_CMC.ID08990.hairpin	YES	YES YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID08991.5p miR	TJU_CMC.ID08991.hairpin	YES	YES NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID08992.5p miR	TJU_CMC.ID08992.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID08993.5p miR	TJU_CMC.ID08993.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08994.3p miR	TJU_CMC.ID08994.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08995.5p miR	TJU_CMC.ID08995.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID08996.5p miR	TJU_CMC.ID08996.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08997.3p miR	TJU_CMC.ID08997.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID08998.3p miR	TJU_CMC.ID08998.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID08999.3p miR	TJU_CMC.ID08999.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09000.3p miR	TJU_CMC.ID09000.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09001.5p miR	TJU_CMC.ID09001.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09002.3p miR	TJU_CMC.ID09002.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09003.3p miR	TJU_CMC.ID09003.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09004.3p miR	TJU_CMC.ID09004.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09005.3p miR	TJU_CMC.ID09005.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09006.3p miR	TJU_CMC.ID09006.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09007.5p miR	TJU_CMC.ID09007.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09008.5p miR	TJU_CMC.ID09008.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09009.3p miR	TJU_CMC.ID09009.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09010.3p miR	TJU_CMC.ID09010.hairpin	YES	YES NO	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID09011.3p miR	TJU_CMC.ID09011.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09012.5p miR	TJU_CMC.ID09012.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09013.3p miR	TJU_CMC.ID09013.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09014.3p miR	TJU_CMC.ID09014.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09015.3p miR	TJU_CMC.ID09015.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09016.3p miR	TJU_CMC.ID09016.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09017.5p miR	TJU_CMC.ID09017.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09018.5p miR	TJU_CMC.ID09018.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09019.5p miR	TJU_CMC.ID09019.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09020.3p miR	TJU_CMC.ID09020.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09021.3p miR	TJU_CMC.ID09021.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09022.5p miR	TJU_CMC.ID09022.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09023.5p miR	TJU_CMC.ID09023.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09024.3p miR	TJU_CMC.ID09024.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	

TJU_CMC.ID09025.5p miR	TJU_CMC.ID09025.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09026.3p miR	TJU_CMC.ID09026.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09027.5p miR	TJU_CMC.ID09027.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09028.5p miR	TJU_CMC.ID09028.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09029.3p miR	TJU_CMC.ID09029.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09030.5p miR	TJU_CMC.ID09030.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09031.5p miR	TJU_CMC.ID09031.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09032.5p miR	TJU_CMC.ID09032.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09033.3p miR	TJU_CMC.ID09033.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09034.5p miR	TJU_CMC.ID09034.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09035.5p miR	TJU_CMC.ID09035.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09036.3p miR	TJU_CMC.ID09036.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09037.3p miR	TJU_CMC.ID09037.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09038.5p miR	TJU_CMC.ID09038.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09039.5p miR	TJU_CMC.ID09039.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09040.5p miR	TJU_CMC.ID09040.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09041.3p miR	TJU_CMC.ID09041.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09042.5p miR	TJU_CMC.ID09042.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09043.5p miR	TJU_CMC.ID09043.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09044.5p miR	TJU_CMC.ID09044.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09045.5p miR	TJU_CMC.ID09045.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09046.5p miR	TJU_CMC.ID09046.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09047.3p miR	TJU_CMC.ID09047.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09048.5p miR	TJU_CMC.ID09048.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09049.5p miR	TJU_CMC.ID09049.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09050.3p miR	TJU_CMC.ID09050.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09051.3p miR	TJU_CMC.ID09051.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09052.3p miR	TJU_CMC.ID09052.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09053.3p miR	TJU_CMC.ID09053.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09054.5p miR	TJU_CMC.ID09054.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09055.5p miR	TJU_CMC.ID09055.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09056.3p miR	TJU_CMC.ID09056.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09057.5p miR	TJU_CMC.ID09057.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09058.3p miR	TJU_CMC.ID09058.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09059.5p miR	TJU_CMC.ID09059.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09060.3p miR	TJU_CMC.ID09060.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09061.3p miR	TJU_CMC.ID09061.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09062.3p miR	TJU_CMC.ID09062.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09063.3p miR	TJU_CMC.ID09063.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09064.3p miR	TJU_CMC.ID09064.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09065.3p miR	TJU_CMC.ID09065.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09066.3p miR	TJU_CMC.ID09066.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09067.5p miR	TJU_CMC.ID09067.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09068.5p miR	TJU_CMC.ID09068.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09069.5p miR	TJU_CMC.ID09069.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09070.5p miR	TJU_CMC.ID09070.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09071.5p miR	TJU_CMC.ID09071.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09072.3p miR	TJU_CMC.ID09072.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09073.3p miR	TJU_CMC.ID09073.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09074.3p miR	TJU_CMC.ID09074.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09075.5p miR	TJU_CMC.ID09075.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09076.3p miR	TJU_CMC.ID09076.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09077.5p miR	TJU_CMC.ID09077.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09078.3p miR	TJU_CMC.ID09078.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09079.3p miR	TJU_CMC.ID09079.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09080.5p miR	TJU_CMC.ID09080.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09081.3p miR	TJU_CMC.ID09081.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09082.5p miR	TJU_CMC.ID09082.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09083.3p miR	TJU_CMC.ID09083.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09084.5p miR	TJU_CMC.ID09084.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09085.5p miR	TJU_CMC.ID09085.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09086.3p miR	TJU_CMC.ID09086.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09087.3p miR	TJU_CMC.ID09087.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09088.3p miR	TJU_CMC.ID09088.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09089.3p miR	TJU_CMC.ID09089.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09090.5p miR	TJU_CMC.ID09090.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09091.3p miR	TJU_CMC.ID09091.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09092.5p miR	TJU_CMC.ID09092.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09093.5p miR	TJU_CMC.ID09093.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09094.3p miR	TJU_CMC.ID09094.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09095.5p miR	TJU_CMC.ID09095.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09096.3p miR	TJU_CMC.ID09096.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID09097.3p miR	TJU_CMC.ID09097.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09098.5p miR	TJU_CMC.ID09098.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09099.5p miR	TJU_CMC.ID09099.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09100.3p miR	TJU_CMC.ID09100.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09101.3p miR	TJU_CMC.ID09101.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09102.5p miR	TJU_CMC.ID09102.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09103.3p miR	TJU_CMC.ID09103.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09104.3p miR	TJU_CMC.ID09104.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09105.5p miR	TJU_CMC.ID09105.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09106.3p miR	TJU_CMC.ID09106.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09107.3p miR	TJU_CMC.ID09107.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09108.3p miR	TJU_CMC.ID09108.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09109.3p miR	TJU_CMC.ID09109.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09110.3p miR	TJU_CMC.ID09110.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09111.3p miR	TJU_CMC.ID09111.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09112.5p miR	TJU_CMC.ID09112.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09113.3p miR	TJU_CMC.ID09113.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09114.5p miR	TJU_CMC.ID09114.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09115.5p miR	TJU_CMC.ID09115.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09116.3p miR	TJU_CMC.ID09116.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09117.3p miR	TJU_CMC.ID09117.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09118.5p miR	TJU_CMC.ID09118.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09119.3p miR	TJU_CMC.ID09119.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09120.3p miR	TJU_CMC.ID09120.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09121.3p miR	TJU_CMC.ID09121.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09122.5p miR	TJU_CMC.ID09122.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09123.5p miR	TJU_CMC.ID09123.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09124.3p miR	TJU_CMC.ID09124.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09125.3p miR	TJU_CMC.ID09125.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09126.5p miR	TJU_CMC.ID09126.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09127.5p miR	TJU_CMC.ID09127.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09128.5p miR	TJU_CMC.ID09128.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09129.3p miR	TJU_CMC.ID09129.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09130.5p miR	TJU_CMC.ID09130.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09131.3p miR	TJU_CMC.ID09131.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09132.3p miR	TJU_CMC.ID09132.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09133.5p miR	TJU_CMC.ID09133.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09134.5p miR	TJU_CMC.ID09134.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09135.3p miR	TJU_CMC.ID09135.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID09136.5p miR	TJU_CMC.ID09136.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09137.3p miR	TJU_CMC.ID09137.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09138.3p miR	TJU_CMC.ID09138.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09139.5p miR	TJU_CMC.ID09139.hairpin	YES	NO	YES	YES	NO	YES	NO	NO	
TJU_CMC.ID09140.5p miR	TJU_CMC.ID09140.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09141.3p miR	TJU_CMC.ID09141.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09142.5p miR	TJU_CMC.ID09142.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09143.5p miR	TJU_CMC.ID09143.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09144.5p miR	TJU_CMC.ID09144.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID09145.5p miR	TJU_CMC.ID09145.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09146.3p miR	TJU_CMC.ID09146.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09147.3p miR	TJU_CMC.ID09147.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09148.3p miR	TJU_CMC.ID09148.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09149.3p miR	TJU_CMC.ID09149.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09150.5p miR	TJU_CMC.ID09150.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09151.3p miR	TJU_CMC.ID09151.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	
TJU_CMC.ID09152.3p miR	TJU_CMC.ID09152.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09153.3p miR	TJU_CMC.ID09153.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09154.3p miR	TJU_CMC.ID09154.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09155.3p miR	TJU_CMC.ID09155.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09156.3p miR	TJU_CMC.ID09156.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09157.5p miR	TJU_CMC.ID09157.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09158.3p miR	TJU_CMC.ID09158.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09159.5p miR	TJU_CMC.ID09159.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09160.5p miR	TJU_CMC.ID09160.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09161.5p miR	TJU_CMC.ID09161.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	
TJU_CMC.ID09162.5p miR	TJU_CMC.ID09162.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09163.3p miR	TJU_CMC.ID09163.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09164.3p miR	TJU_CMC.ID09164.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09165.3p miR	TJU_CMC.ID09165.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09166.5p miR	TJU_CMC.ID09166.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09167.3p miR	TJU_CMC.ID09167.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09168.5p miR	TJU_CMC.ID09168.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID09169.5p miR	TJU_CMC.ID09169.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09170.3p miR	TJU_CMC.ID09170.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09171.3p miR	TJU_CMC.ID09171.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09172.5p miR	TJU_CMC.ID09172.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09173.3p miR	TJU_CMC.ID09173.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09174.5p miR	TJU_CMC.ID09174.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09175.3p miR	TJU_CMC.ID09175.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09176.3p miR	TJU_CMC.ID09176.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09177.3p miR	TJU_CMC.ID09177.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09178.5p miR	TJU_CMC.ID09178.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09179.3p miR	TJU_CMC.ID09179.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09180.3p miR	TJU_CMC.ID09180.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09181.5p miR	TJU_CMC.ID09181.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09182.5p miR	TJU_CMC.ID09182.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09183.3p miR	TJU_CMC.ID09183.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09184.5p miR	TJU_CMC.ID09184.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09185.5p miR	TJU_CMC.ID09185.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09186.5p miR	TJU_CMC.ID09186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09187.3p miR	TJU_CMC.ID09187.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09188.5p miR	TJU_CMC.ID09188.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09189.5p miR	TJU_CMC.ID09189.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09190.5p miR	TJU_CMC.ID09190.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09191.5p miR	TJU_CMC.ID09191.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09192.5p miR	TJU_CMC.ID09192.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09193.5p miR	TJU_CMC.ID09193.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09194.3p miR	TJU_CMC.ID09194.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09195.3p miR	TJU_CMC.ID09195.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09196.5p miR	TJU_CMC.ID09196.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09197.5p miR	TJU_CMC.ID09197.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09198.3p miR	TJU_CMC.ID09198.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09199.3p miR	TJU_CMC.ID09199.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09200.5p miR	TJU_CMC.ID09200.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09201.5p miR	TJU_CMC.ID09201.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09202.5p miR	TJU_CMC.ID09202.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09203.3p miR	TJU_CMC.ID09203.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09204.3p miR	TJU_CMC.ID09204.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID09205.5p miR	TJU_CMC.ID09205.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09206.5p miR	TJU_CMC.ID09206.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09207.5p miR	TJU_CMC.ID09207.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09208.3p miR	TJU_CMC.ID09208.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09209.3p miR	TJU_CMC.ID09209.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09210.3p miR	TJU_CMC.ID09210.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09211.5p miR	TJU_CMC.ID09211.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09212.3p miR	TJU_CMC.ID09212.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09213.3p miR	TJU_CMC.ID09213.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09214.5p miR	TJU_CMC.ID09214.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09215.5p miR	TJU_CMC.ID09215.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09216.5p miR	TJU_CMC.ID09216.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09217.5p miR	TJU_CMC.ID09217.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09218.5p miR	TJU_CMC.ID09218.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09219.5p miR	TJU_CMC.ID09219.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09220.5p miR	TJU_CMC.ID09220.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09221.5p miR	TJU_CMC.ID09221.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09222.3p miR	TJU_CMC.ID09222.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09223.5p miR	TJU_CMC.ID09223.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09224.3p miR	TJU_CMC.ID09224.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09225.3p miR	TJU_CMC.ID09225.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09226.5p miR	TJU_CMC.ID09226.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09227.5p miR	TJU_CMC.ID09227.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09228.3p miR	TJU_CMC.ID09228.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09229.3p miR	TJU_CMC.ID09229.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09230.3p miR	TJU_CMC.ID09230.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09231.3p miR	TJU_CMC.ID09231.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09232.5p miR	TJU_CMC.ID09232.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09233.5p miR	TJU_CMC.ID09233.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09234.3p miR	TJU_CMC.ID09234.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09235.5p miR	TJU_CMC.ID09235.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09236.3p miR	TJU_CMC.ID09236.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09237.3p miR	TJU_CMC.ID09237.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09238.5p miR	TJU_CMC.ID09238.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09239.3p miR	TJU_CMC.ID09239.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09240.3p miR	TJU_CMC.ID09240.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09241.3p miR	TJU_CMC.ID09241.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09242.3p miR	TJU_CMC.ID09242.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09243.5p miR	TJU_CMC.ID09243.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09244.3p miR	TJU_CMC.ID09244.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09245.5p miR	TJU_CMC.ID09245.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09246.5p miR	TJU_CMC.ID09246.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09247.3p miR	TJU_CMC.ID09247.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09248.3p miR	TJU_CMC.ID09248.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09249.5p miR	TJU_CMC.ID09249.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09250.3p miR	TJU_CMC.ID09250.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09251.3p miR	TJU_CMC.ID09251.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09252.5p miR	TJU_CMC.ID09252.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09253.3p miR	TJU_CMC.ID09253.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09254.5p miR	TJU_CMC.ID09254.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09255.3p miR	TJU_CMC.ID09255.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09256.5p miR	TJU_CMC.ID09256.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09257.3p miR	TJU_CMC.ID09257.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09258.5p miR	TJU_CMC.ID09258.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09259.5p miR	TJU_CMC.ID09259.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09260.5p miR	TJU_CMC.ID09260.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09261.5p miR	TJU_CMC.ID09261.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09262.3p miR	TJU_CMC.ID09262.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09263.5p miR	TJU_CMC.ID09263.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09264.5p miR	TJU_CMC.ID09264.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09265.5p miR	TJU_CMC.ID09265.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09266.3p miR	TJU_CMC.ID09266.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09267.3p miR	TJU_CMC.ID09267.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09268.3p miR	TJU_CMC.ID09268.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09269.3p miR	TJU_CMC.ID09269.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09270.3p miR	TJU_CMC.ID09270.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09271.3p miR	TJU_CMC.ID09271.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09272.5p miR	TJU_CMC.ID09272.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09273.3p miR	TJU_CMC.ID09273.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09274.3p miR	TJU_CMC.ID09274.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09275.5p miR	TJU_CMC.ID09275.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09276.5p miR	TJU_CMC.ID09276.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID09277.5p miR	TJU_CMC.ID09277.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09278.5p miR	TJU_CMC.ID09278.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09279.3p miR	TJU_CMC.ID09279.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09280.5p miR	TJU_CMC.ID09280.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09281.3p miR	TJU_CMC.ID09281.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09282.5p miR	TJU_CMC.ID09282.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09283.5p miR	TJU_CMC.ID09283.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09284.3p miR	TJU_CMC.ID09284.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09285.3p miR	TJU_CMC.ID09285.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09286.5p miR	TJU_CMC.ID09286.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09287.5p miR	TJU_CMC.ID09287.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09288.3p miR	TJU_CMC.ID09288.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09289.5p miR	TJU_CMC.ID09289.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09290.3p miR	TJU_CMC.ID09290.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09291.3p miR	TJU_CMC.ID09291.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09292.5p miR	TJU_CMC.ID09292.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09293.5p miR	TJU_CMC.ID09293.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09294.3p miR	TJU_CMC.ID09294.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09295.5p miR	TJU_CMC.ID09295.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09296.5p miR	TJU_CMC.ID09296.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09297.3p miR	TJU_CMC.ID09297.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09298.3p miR	TJU_CMC.ID09298.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09299.5p miR	TJU_CMC.ID09299.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09300.5p miR	TJU_CMC.ID09300.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09301.3p miR	TJU_CMC.ID09301.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09302.5p miR	TJU_CMC.ID09302.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09303.3p miR	TJU_CMC.ID09303.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09304.5p miR	TJU_CMC.ID09304.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09305.5p miR	TJU_CMC.ID09305.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09306.3p miR	TJU_CMC.ID09306.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09307.3p miR	TJU_CMC.ID09307.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09308.3p miR	TJU_CMC.ID09308.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09309.3p miR	TJU_CMC.ID09309.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09310.3p miR	TJU_CMC.ID09310.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09311.5p miR	TJU_CMC.ID09311.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09312.5p miR	TJU_CMC.ID09312.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID09313.3p miR	TJU_CMC.ID09313.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09314.5p miR	TJU_CMC.ID09314.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09315.5p miR	TJU_CMC.ID09315.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09316.5p miR	TJU_CMC.ID09316.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09317.3p miR	TJU_CMC.ID09317.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09318.3p miR	TJU_CMC.ID09318.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09319.3p miR	TJU_CMC.ID09319.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09320.5p miR	TJU_CMC.ID09320.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09321.5p miR	TJU_CMC.ID09321.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09322.5p miR	TJU_CMC.ID09322.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09323.5p miR	TJU_CMC.ID09323.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09324.5p miR	TJU_CMC.ID09324.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09325.3p miR	TJU_CMC.ID09325.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09326.3p miR	TJU_CMC.ID09326.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09327.3p miR	TJU_CMC.ID09327.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09328.5p miR	TJU_CMC.ID09328.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09329.5p miR	TJU_CMC.ID09329.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09330.5p miR	TJU_CMC.ID09330.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09331.3p miR	TJU_CMC.ID09331.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09332.3p miR	TJU_CMC.ID09332.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09333.5p miR	TJU_CMC.ID09333.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09334.5p miR	TJU_CMC.ID09334.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09335.3p miR	TJU_CMC.ID09335.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09336.5p miR	TJU_CMC.ID09336.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09337.5p miR	TJU_CMC.ID09337.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09338.5p miR	TJU_CMC.ID09338.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09339.3p miR	TJU_CMC.ID09339.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09340.3p miR	TJU_CMC.ID09340.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09341.5p miR	TJU_CMC.ID09341.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09342.3p miR	TJU_CMC.ID09342.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09343.5p miR	TJU_CMC.ID09343.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09344.3p miR	TJU_CMC.ID09344.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09345.3p miR	TJU_CMC.ID09345.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09346.3p miR	TJU_CMC.ID09346.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09347.3p miR	TJU_CMC.ID09347.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09348.3p miR	TJU_CMC.ID09348.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	

TJU_CMC.ID09349.3p miR	TJU_CMC.ID09349.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09350.5p miR	TJU_CMC.ID09350.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09351.5p miR	TJU_CMC.ID09351.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09352.5p miR	TJU_CMC.ID09352.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09353.3p miR	TJU_CMC.ID09353.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09354.3p miR	TJU_CMC.ID09354.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09355.5p miR	TJU_CMC.ID09355.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09356.5p miR	TJU_CMC.ID09356.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09357.5p miR	TJU_CMC.ID09357.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09358.5p miR	TJU_CMC.ID09358.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09359.3p miR	TJU_CMC.ID09359.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09360.5p miR	TJU_CMC.ID09360.hairpin	YES	YES YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09361.3p miR	TJU_CMC.ID09361.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09362.5p miR	TJU_CMC.ID09362.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09363.5p miR	TJU_CMC.ID09363.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09364.5p miR	TJU_CMC.ID09364.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09365.3p miR	TJU_CMC.ID09365.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09366.5p miR	TJU_CMC.ID09366.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09367.5p miR	TJU_CMC.ID09367.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09368.5p miR	TJU_CMC.ID09368.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09369.5p miR	TJU_CMC.ID09369.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09370.5p miR	TJU_CMC.ID09370.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09371.5p miR	TJU_CMC.ID09371.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09372.3p miR	TJU_CMC.ID09372.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09373.3p miR	TJU_CMC.ID09373.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09374.3p miR	TJU_CMC.ID09374.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09375.3p miR	TJU_CMC.ID09375.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09376.3p miR	TJU_CMC.ID09376.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09377.3p miR	TJU_CMC.ID09377.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09378.3p miR	TJU_CMC.ID09378.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09379.3p miR	TJU_CMC.ID09379.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09380.3p miR	TJU_CMC.ID09380.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09381.3p miR	TJU_CMC.ID09381.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09382.3p miR	TJU_CMC.ID09382.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09383.5p miR	TJU_CMC.ID09383.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09384.3p miR	TJU_CMC.ID09384.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID09385.3p miR	TJU_CMC.ID09385.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09386.5p miR	TJU_CMC.ID09386.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09387.3p miR	TJU_CMC.ID09387.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09388.3p miR	TJU_CMC.ID09388.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09389.5p miR	TJU_CMC.ID09389.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09390.5p miR	TJU_CMC.ID09390.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09391.3p miR	TJU_CMC.ID09391.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09392.3p miR	TJU_CMC.ID09392.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09393.3p miR	TJU_CMC.ID09393.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09394.3p miR	TJU_CMC.ID09394.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09395.5p miR	TJU_CMC.ID09395.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC.ID09396.3p miR	TJU_CMC.ID09396.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09397.3p miR	TJU_CMC.ID09397.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09398.5p miR	TJU_CMC.ID09398.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09399.3p miR	TJU_CMC.ID09399.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09400.5p miR	TJU_CMC.ID09400.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09401.5p miR	TJU_CMC.ID09401.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09402.3p miR	TJU_CMC.ID09402.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09403.3p miR	TJU_CMC.ID09403.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09404.3p miR	TJU_CMC.ID09404.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09405.5p miR	TJU_CMC.ID09405.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09406.3p miR	TJU_CMC.ID09406.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09407.5p miR	TJU_CMC.ID09407.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09408.5p miR	TJU_CMC.ID09408.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09409.5p miR	TJU_CMC.ID09409.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09410.3p miR	TJU_CMC.ID09410.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09411.5p miR	TJU_CMC.ID09411.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09412.3p miR	TJU_CMC.ID09412.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09413.5p miR	TJU_CMC.ID09413.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09414.5p miR	TJU_CMC.ID09414.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09415.5p miR	TJU_CMC.ID09415.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09416.5p miR	TJU_CMC.ID09416.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09417.3p miR	TJU_CMC.ID09417.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09418.5p miR	TJU_CMC.ID09418.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09419.5p miR	TJU_CMC.ID09419.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09420.5p miR	TJU_CMC.ID09420.hairpin	YES	NO	YES	YES	YES	NO	NO	NO

TJU_CMC.ID09421.3p miR	TJU_CMC.ID09421.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09422.5p miR	TJU_CMC.ID09422.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09423.5p miR	TJU_CMC.ID09423.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09424.3p miR	TJU_CMC.ID09424.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09425.3p miR	TJU_CMC.ID09425.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09426.3p miR	TJU_CMC.ID09426.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09427.3p miR	TJU_CMC.ID09427.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09428.5p miR	TJU_CMC.ID09428.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09429.5p miR	TJU_CMC.ID09429.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09430.5p miR	TJU_CMC.ID09430.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09431.5p miR	TJU_CMC.ID09431.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09432.3p miR	TJU_CMC.ID09432.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09433.3p miR	TJU_CMC.ID09433.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09434.3p miR	TJU_CMC.ID09434.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09435.5p miR	TJU_CMC.ID09435.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09436.5p miR	TJU_CMC.ID09436.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09437.3p miR	TJU_CMC.ID09437.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09438.5p miR	TJU_CMC.ID09438.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09439.5p miR	TJU_CMC.ID09439.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09440.5p miR	TJU_CMC.ID09440.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09441.5p miR	TJU_CMC.ID09441.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09442.5p miR	TJU_CMC.ID09442.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09443.3p miR	TJU_CMC.ID09443.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09444.3p miR	TJU_CMC.ID09444.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09445.3p miR	TJU_CMC.ID09445.hairpin	YES	YES NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09446.5p miR	TJU_CMC.ID09446.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09447.5p miR	TJU_CMC.ID09447.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09448.3p miR	TJU_CMC.ID09448.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09449.3p miR	TJU_CMC.ID09449.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09450.3p miR	TJU_CMC.ID09450.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09451.5p miR	TJU_CMC.ID09451.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09452.5p miR	TJU_CMC.ID09452.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09453.5p miR	TJU_CMC.ID09453.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09454.3p miR	TJU_CMC.ID09454.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09455.3p miR	TJU_CMC.ID09455.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09456.3p miR	TJU_CMC.ID09456.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09457.5p miR	TJU_CMC.ID09457.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09458.3p miR	TJU_CMC.ID09458.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09459.3p miR	TJU_CMC.ID09459.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09460.3p miR	TJU_CMC.ID09460.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09461.3p miR	TJU_CMC.ID09461.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC.ID09462.5p miR	TJU_CMC.ID09462.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09463.3p miR	TJU_CMC.ID09463.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09464.5p miR	TJU_CMC.ID09464.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09465.3p miR	TJU_CMC.ID09465.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09466.5p miR	TJU_CMC.ID09466.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09467.5p miR	TJU_CMC.ID09467.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09468.3p miR	TJU_CMC.ID09468.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09469.5p miR	TJU_CMC.ID09469.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09470.5p miR	TJU_CMC.ID09470.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09471.3p miR	TJU_CMC.ID09471.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09472.3p miR	TJU_CMC.ID09472.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09473.3p miR	TJU_CMC.ID09473.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09474.5p miR	TJU_CMC.ID09474.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09475.5p miR	TJU_CMC.ID09475.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09476.3p miR	TJU_CMC.ID09476.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09477.3p miR	TJU_CMC.ID09477.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09478.3p miR	TJU_CMC.ID09478.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09479.3p miR	TJU_CMC.ID09479.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09480.3p miR	TJU_CMC.ID09480.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09481.5p miR	TJU_CMC.ID09481.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09482.5p miR	TJU_CMC.ID09482.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09483.3p miR	TJU_CMC.ID09483.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09484.3p miR	TJU_CMC.ID09484.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09485.3p miR	TJU_CMC.ID09485.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09486.5p miR	TJU_CMC.ID09486.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09487.3p miR	TJU_CMC.ID09487.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09488.5p miR	TJU_CMC.ID09488.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09489.3p miR	TJU_CMC.ID09489.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09490.3p miR	TJU_CMC.ID09490.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09491.5p miR	TJU_CMC.ID09491.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09492.3p miR	TJU_CMC.ID09492.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID09493.5p miR	TJU_CMC.ID09493.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09494.5p miR	TJU_CMC.ID09494.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09495.3p miR	TJU_CMC.ID09495.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09496.3p miR	TJU_CMC.ID09496.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09497.3p miR	TJU_CMC.ID09497.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09498.3p miR	TJU_CMC.ID09498.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09499.3p miR	TJU_CMC.ID09499.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09500.5p miR	TJU_CMC.ID09500.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09501.3p miR	TJU_CMC.ID09501.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09502.5p miR	TJU_CMC.ID09502.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09503.3p miR	TJU_CMC.ID09503.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09504.5p miR	TJU_CMC.ID09504.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09505.5p miR	TJU_CMC.ID09505.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09506.3p miR	TJU_CMC.ID09506.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09507.5p miR	TJU_CMC.ID00608.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09508.5p miR	TJU_CMC.ID09508.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09509.3p miR	TJU_CMC.ID09509.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09510.3p miR	TJU_CMC.ID09510.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09511.5p miR	TJU_CMC.ID09511.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09512.3p miR	TJU_CMC.ID09512.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09513.5p miR	TJU_CMC.ID09513.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09514.5p miR	TJU_CMC.ID09514.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09515.3p miR	TJU_CMC.ID09515.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09516.5p miR	TJU_CMC.ID09516.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09517.3p miR	TJU_CMC.ID09517.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09518.3p miR	TJU_CMC.ID09518.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09519.5p miR	TJU_CMC.ID09519.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09520.3p miR	TJU_CMC.ID09520.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09521.5p miR	TJU_CMC.ID09521.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09522.5p miR	TJU_CMC.ID09522.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09523.3p miR	TJU_CMC.ID09523.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09524.5p miR	TJU_CMC.ID09524.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09525.5p miR	TJU_CMC.ID09525.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09526.5p miR	TJU_CMC.ID09526.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09527.5p miR	TJU_CMC.ID09527.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09528.3p miR	TJU_CMC.ID09528.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO

TJU_CMC.ID09529.3p miR	TJU_CMC.ID09529.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09530.3p miR	TJU_CMC.ID09530.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09531.5p miR	TJU_CMC.ID09531.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09532.3p miR	TJU_CMC.ID09532.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09533.3p miR	TJU_CMC.ID09533.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID09534.3p miR	TJU_CMC.ID09534.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09535.3p miR	TJU_CMC.ID09535.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09536.3p miR	TJU_CMC.ID09536.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09537.5p miR	TJU_CMC.ID09537.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09538.3p miR	TJU_CMC.ID09538.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09539.5p miR	TJU_CMC.ID09539.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09540.3p miR	TJU_CMC.ID09540.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09541.5p miR	TJU_CMC.ID09541.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09542.3p miR	TJU_CMC.ID09542.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09543.3p miR	TJU_CMC.ID09543.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09544.3p miR	TJU_CMC.ID09544.hairpin	YES	YES	NO	NO	NO	YES	NO	NO
TJU_CMC.ID09545.3p miR	TJU_CMC.ID09545.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09546.5p miR	TJU_CMC.ID09546.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09547.5p miR	TJU_CMC.ID09547.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09548.3p miR	TJU_CMC.ID09548.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09549.5p miR	TJU_CMC.ID09549.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09550.3p miR	TJU_CMC.ID09550.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09551.3p miR	TJU_CMC.ID09551.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09552.5p miR	TJU_CMC.ID09552.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09553.5p miR	TJU_CMC.ID09553.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09554.3p miR	TJU_CMC.ID09554.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09555.5p miR	TJU_CMC.ID09555.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09556.5p miR	TJU_CMC.ID09556.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09557.3p miR	TJU_CMC.ID09557.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09558.3p miR	TJU_CMC.ID09558.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09559.3p miR	TJU_CMC.ID09559.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC.ID09560.5p miR	TJU_CMC.ID09560.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09561.5p miR	TJU_CMC.ID09561.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09562.5p miR	TJU_CMC.ID09562.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09563.3p miR	TJU_CMC.ID09563.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09564.5p miR	TJU_CMC.ID09564.hairpin	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC.ID09565.3p miR	TJU_CMC.ID09565.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09566.3p miR	TJU_CMC.ID09566.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09567.3p miR	TJU_CMC.ID09567.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09568.3p miR	TJU_CMC.ID09568.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09569.3p miR	TJU_CMC.ID09569.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09570.5p miR	TJU_CMC.ID09570.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09571.5p miR	TJU_CMC.ID09571.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09572.5p miR	TJU_CMC.ID09572.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09573.3p miR	TJU_CMC.ID09573.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09574.5p miR	TJU_CMC.ID09574.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09575.5p miR	TJU_CMC.ID09575.hairpin	YES	NO NO	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09576.5p miR	TJU_CMC.ID09576.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09577.5p miR	TJU_CMC.ID09577.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09578.5p miR	TJU_CMC.ID09578.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09579.3p miR	TJU_CMC.ID09579.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09580.3p miR	TJU_CMC.ID09580.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09581.3p miR	TJU_CMC.ID09581.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09582.3p miR	TJU_CMC.ID09582.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09583.3p miR	TJU_CMC.ID09583.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09584.5p miR	TJU_CMC.ID09584.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09585.5p miR	TJU_CMC.ID09585.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09586.3p miR	TJU_CMC.ID09586.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09587.3p miR	TJU_CMC.ID09587.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09588.5p miR	TJU_CMC.ID09588.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09589.3p miR	TJU_CMC.ID09589.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09590.3p miR	TJU_CMC.ID09590.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09591.5p miR	TJU_CMC.ID09591.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09592.3p miR	TJU_CMC.ID09592.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09593.5p miR	TJU_CMC.ID09593.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09594.5p miR	TJU_CMC.ID09594.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09595.3p miR	TJU_CMC.ID09595.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09596.5p miR	TJU_CMC.ID09596.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09597.5p miR	TJU_CMC.ID09597.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09598.5p miR	TJU_CMC.ID09598.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09599.5p miR	TJU_CMC.ID09599.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09600.5p miR	TJU_CMC.ID09600.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09601.3p miR	TJU_CMC.ID09601.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09602.5p miR	TJU_CMC.ID09602.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09603.5p miR	TJU_CMC.ID09603.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09604.5p miR	TJU_CMC.ID09604.hairpin	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09605.3p miR	TJU_CMC.ID09605.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09606.3p miR	TJU_CMC.ID09606.hairpin	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09607.3p miR	TJU_CMC.ID09607.hairpin	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09608.3p miR	TJU_CMC.ID09608.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09609.5p miR	TJU_CMC.ID09609.hairpin	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09610.3p miR	TJU_CMC.ID09610.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09611.3p miR	TJU_CMC.ID09611.hairpin	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09612.5p miR	TJU_CMC.ID09612.hairpin	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09613.3p miR	TJU_CMC.ID09613.hairpin	YES	NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09614.3p miR	TJU_CMC.ID09614.hairpin	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09615.3p miR	TJU_CMC.ID09615.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09616.3p miR	TJU_CMC.ID09616.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09617.5p miR	TJU_CMC.ID09617.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09618.5p miR	TJU_CMC.ID09618.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09619.5p miR	TJU_CMC.ID09619.hairpin	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09620.5p miR	TJU_CMC.ID09620.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09621.5p miR	TJU_CMC.ID09621.hairpin	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09622.5p miR	TJU_CMC.ID09622.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09623.5p miR	TJU_CMC.ID09623.hairpin	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09624.5p miR	TJU_CMC.ID09624.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09625.3p miR	TJU_CMC.ID09625.hairpin	YES	YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09626.3p miR	TJU_CMC.ID09626.hairpin	YES	YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09627.3p miR	TJU_CMC.ID09627.hairpin	YES	NO	YES	NO	YES	NO	NO	
TJU_CMC.ID09628.3p miR	TJU_CMC.ID09628.hairpin	YES	YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09629.3p miR	TJU_CMC.ID09629.hairpin	YES	YES	YES	NO	YES	NO	NO	
TJU_CMC.ID09630.5p miR	TJU_CMC.ID09630.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09631.5p miR	TJU_CMC.ID09631.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09632.3p miR	TJU_CMC.ID09632.hairpin	YES	YES	NO	YES	YES	NO	NO	
TJU_CMC.ID09633.5p miR	TJU_CMC.ID09633.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09634.3p miR	TJU_CMC.ID09634.hairpin	YES	NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09635.3p miR	TJU_CMC.ID09635.hairpin	YES	YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09636.3p miR	TJU_CMC.ID09636.hairpin	YES	YES	YES	YES	NO	NO	NO	

TJU_CMC.ID09637.5p miR	TJU_CMC.ID09637.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09638.3p miR	TJU_CMC.ID09638.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09639.5p miR	TJU_CMC.ID09639.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09640.3p miR	TJU_CMC.ID09640.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09641.3p miR	TJU_CMC.ID09641.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09642.3p miR	TJU_CMC.ID09642.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09643.5p miR	TJU_CMC.ID09643.hairpin	YES	NO NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09644.5p miR	TJU_CMC.ID09644.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09645.5p miR	TJU_CMC.ID09645.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09646.3p miR	TJU_CMC.ID09646.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09647.3p miR	TJU_CMC.ID09647.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09648.3p miR	TJU_CMC.ID09648.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09649.5p miR	TJU_CMC.ID09649.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09650.3p miR	TJU_CMC.ID09650.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09651.5p miR	TJU_CMC.ID09651.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09652.3p miR	TJU_CMC.ID09652.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09653.3p miR	TJU_CMC.ID09653.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09654.3p miR	TJU_CMC.ID09654.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09655.5p miR	TJU_CMC.ID09655.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09656.5p miR	TJU_CMC.ID09656.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09657.5p miR	TJU_CMC.ID09657.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09658.5p miR	TJU_CMC.ID09658.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09659.3p miR	TJU_CMC.ID09659.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09660.3p miR	TJU_CMC.ID09660.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09661.5p miR	TJU_CMC.ID09661.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09662.5p miR	TJU_CMC.ID09662.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09663.5p miR	TJU_CMC.ID09663.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09664.3p miR	TJU_CMC.ID09664.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09665.5p miR	TJU_CMC.ID09665.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09666.5p miR	TJU_CMC.ID09666.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09667.5p miR	TJU_CMC.ID09667.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09668.3p miR	TJU_CMC.ID09668.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09669.3p miR	TJU_CMC.ID09669.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09670.3p miR	TJU_CMC.ID09670.hairpin	YES	NO YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09671.3p miR	TJU_CMC.ID09671.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09672.5p miR	TJU_CMC.ID09672.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09673.3p miR	TJU_CMC.ID09673.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09674.3p miR	TJU_CMC.ID09674.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09675.5p miR	TJU_CMC.ID09675.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09676.5p miR	TJU_CMC.ID09676.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09677.5p miR	TJU_CMC.ID09677.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09678.3p miR	TJU_CMC.ID09678.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09679.5p miR	TJU_CMC.ID09679.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09680.3p miR	TJU_CMC.ID09680.hairpin	YES	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID09681.3p miR	TJU_CMC.ID09681.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09682.5p miR	TJU_CMC.ID09682.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09683.5p miR	TJU_CMC.ID09683.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09684.5p miR	TJU_CMC.ID09684.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09685.5p miR	TJU_CMC.ID09685.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09686.5p miR	TJU_CMC.ID09686.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09687.3p miR	TJU_CMC.ID09687.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09688.3p miR	TJU_CMC.ID09688.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09689.5p miR	TJU_CMC.ID09689.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09690.3p miR	TJU_CMC.ID09690.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09691.5p miR	TJU_CMC.ID09691.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09692.5p miR	TJU_CMC.ID09692.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09693.3p miR	TJU_CMC.ID09693.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09694.3p miR	TJU_CMC.ID09694.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09695.5p miR	TJU_CMC.ID09695.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09696.5p miR	TJU_CMC.ID09696.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09697.3p miR	TJU_CMC.ID09697.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09698.3p miR	TJU_CMC.ID09698.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09699.5p miR	TJU_CMC.ID09699.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09700.5p miR	TJU_CMC.ID09700.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09701.5p miR	TJU_CMC.ID09701.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09702.5p miR	TJU_CMC.ID09702.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09703.3p miR	TJU_CMC.ID09703.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09704.3p miR	TJU_CMC.ID09704.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09705.3p miR	TJU_CMC.ID09705.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09706.3p miR	TJU_CMC.ID09706.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09707.5p miR	TJU_CMC.ID09707.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09708.3p miR	TJU_CMC.ID09708.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09709.5p miR	TJU_CMC.ID09709.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09710.5p miR	TJU_CMC.ID09710.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09711.5p miR	TJU_CMC.ID09711.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09712.3p miR	TJU_CMC.ID09712.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09713.3p miR	TJU_CMC.ID09713.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09714.5p miR	TJU_CMC.ID09714.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09715.3p miR	TJU_CMC.ID09715.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09716.5p miR	TJU_CMC.ID09716.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09717.5p miR	TJU_CMC.ID09717.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09718.5p miR	TJU_CMC.ID09718.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09719.5p miR	TJU_CMC.ID09719.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09720.5p miR	TJU_CMC.ID09720.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09721.3p miR	TJU_CMC.ID09721.hairpin	YES	YES YES	YES	YES	YES	NO	NO	
TJU_CMC.ID09722.3p miR	TJU_CMC.ID09722.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09723.3p miR	TJU_CMC.ID09723.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09724.5p miR	TJU_CMC.ID09724.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09725.5p miR	TJU_CMC.ID09725.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09726.3p miR	TJU_CMC.ID09726.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09727.5p miR	TJU_CMC.ID09727.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09728.3p miR	TJU_CMC.ID09728.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09729.3p miR	TJU_CMC.ID09729.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09730.3p miR	TJU_CMC.ID09730.hairpin	YES	NO YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09731.3p miR	TJU_CMC.ID09731.hairpin	YES	YES YES	NO	YES	NO	NO	NO	
TJU_CMC.ID09732.3p miR	TJU_CMC.ID09732.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09733.5p miR	TJU_CMC.ID09733.hairpin	YES	YES YES	YES	YES	NO	NO	NO	
TJU_CMC.ID09734.5p miR	TJU_CMC.ID09734.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09735.5p miR	TJU_CMC.ID09735.hairpin	YES	YES NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09736.3p miR	TJU_CMC.ID09736.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09737.3p miR	TJU_CMC.ID09737.hairpin	YES	YES YES	NO	NO	NO	NO	NO	
TJU_CMC.ID09738.3p miR	TJU_CMC.ID09738.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09739.5p miR	TJU_CMC.ID09739.hairpin	YES	NO NO	NO	NO	NO	NO	NO	
TJU_CMC.ID09740.5p miR	TJU_CMC.ID09740.hairpin	YES	YES NO	YES	YES	NO	NO	NO	
TJU_CMC.ID09741.3p miR	TJU_CMC.ID09741.hairpin	YES	YES YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09742.3p miR	TJU_CMC.ID09742.hairpin	YES	NO YES	YES	NO	NO	NO	NO	
TJU_CMC.ID09743.3p miR	TJU_CMC.ID09743.hairpin	YES	NO NO	YES	NO	NO	NO	NO	
TJU_CMC.ID09744.3p miR	TJU_CMC.ID09744.hairpin	YES	YES YES	YES	YES	NO	NO	NO	

TJU_CMC.ID09745.3p miR	TJU_CMC.ID09745.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09746.5p miR	TJU_CMC.ID09746.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09747.5p miR	TJU_CMC.ID09747.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09748.5p miR	TJU_CMC.ID09748.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09749.3p miR	TJU_CMC.ID09749.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC.ID09750.3p miR	TJU_CMC.ID09750.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09751.3p miR	TJU_CMC.ID09751.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09752.5p miR	TJU_CMC.ID09752.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09753.5p miR	TJU_CMC.ID09753.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09754.3p miR	TJU_CMC.ID09754.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09755.5p miR	TJU_CMC.ID09755.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09756.5p miR	TJU_CMC.ID09756.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09757.3p miR	TJU_CMC.ID09757.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09758.5p miR	TJU_CMC.ID09758.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09759.5p miR	TJU_CMC.ID09759.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID09760.5p miR	TJU_CMC.ID09760.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC.ID09761.3p miR	TJU_CMC.ID09761.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09762.3p miR	TJU_CMC.ID09762.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09763.5p miR	TJU_CMC.ID09763.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09764.5p miR	TJU_CMC.ID09764.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09765.3p miR	TJU_CMC.ID09765.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09766.3p miR	TJU_CMC.ID09766.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09767.3p miR	TJU_CMC.ID09767.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09768.3p miR	TJU_CMC.ID09768.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09769.3p miR	TJU_CMC.ID09769.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09770.3p miR	TJU_CMC.ID09770.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09771.3p miR	TJU_CMC.ID09771.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09772.5p miR	TJU_CMC.ID09772.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09773.5p miR	TJU_CMC.ID09773.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09774.5p miR	TJU_CMC.ID09774.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC.ID09775.5p miR	TJU_CMC.ID09775.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09776.5p miR	TJU_CMC.ID09776.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09777.3p miR	TJU_CMC.ID09777.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09778.3p miR	TJU_CMC.ID09778.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09779.3p miR	TJU_CMC.ID09779.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC.ID09780.5p miR	TJU_CMC.ID09780.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC.ID09781.3p miR	TJU_CMC.ID09781.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09782.3p miR	TJU_CMC.ID09782.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09783.3p miR	TJU_CMC.ID09783.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09784.3p miR	TJU_CMC.ID09784.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09785.3p miR	TJU_CMC.ID09785.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09786.3p miR	TJU_CMC.ID09786.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09787.5p miR	TJU_CMC.ID09787.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09788.3p miR	TJU_CMC.ID09788.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09789.5p miR	TJU_CMC.ID09789.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09790.5p miR	TJU_CMC.ID09790.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09791.3p miR	TJU_CMC.ID09791.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09792.3p miR	TJU_CMC.ID09792.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09793.3p miR	TJU_CMC.ID09793.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09794.3p miR	TJU_CMC.ID09794.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09795.3p miR	TJU_CMC.ID09795.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09796.5p miR	TJU_CMC.ID09796.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09797.5p miR	TJU_CMC.ID09797.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09798.5p miR	TJU_CMC.ID09798.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09799.3p miR	TJU_CMC.ID09799.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09800.3p miR	TJU_CMC.ID09800.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09801.5p miR	TJU_CMC.ID09801.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09802.3p miR	TJU_CMC.ID09802.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09803.5p miR	TJU_CMC.ID09803.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09804.3p miR	TJU_CMC.ID09804.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09805.3p miR	TJU_CMC.ID09805.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09806.5p miR	TJU_CMC.ID09806.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09807.3p miR	TJU_CMC.ID09807.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09808.5p miR	TJU_CMC.ID09808.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09809.5p miR	TJU_CMC.ID09809.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09810.3p miR	TJU_CMC.ID09810.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09811.5p miR	TJU_CMC.ID09811.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09812.5p miR	TJU_CMC.ID09812.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09813.3p miR	TJU_CMC.ID09813.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC.ID09814.3p miR	TJU_CMC.ID09814.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09815.5p miR	TJU_CMC.ID09815.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09816.3p miR	TJU_CMC.ID09816.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC.ID09817.5p miR	TJU_CMC.ID09817.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09818.5p miR	TJU_CMC.ID09818.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09819.3p miR	TJU_CMC.ID09819.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09820.5p miR	TJU_CMC.ID09820.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09821.5p miR	TJU_CMC.ID09821.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09822.3p miR	TJU_CMC.ID09822.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09823.3p miR	TJU_CMC.ID09823.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09824.3p miR	TJU_CMC.ID09824.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09825.5p miR	TJU_CMC.ID09825.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09826.5p miR	TJU_CMC.ID09826.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09827.5p miR	TJU_CMC.ID09827.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09828.3p miR	TJU_CMC.ID09828.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09829.3p miR	TJU_CMC.ID09829.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09830.5p miR	TJU_CMC.ID09830.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09831.3p miR	TJU_CMC.ID09831.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09832.5p miR	TJU_CMC.ID09832.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09833.3p miR	TJU_CMC.ID09833.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09834.5p miR	TJU_CMC.ID09834.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09835.5p miR	TJU_CMC.ID09835.hairpin	YES	YES NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09836.5p miR	TJU_CMC.ID09836.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09837.5p miR	TJU_CMC.ID09837.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09838.3p miR	TJU_CMC.ID09838.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09839.3p miR	TJU_CMC.ID09839.hairpin	YES	YES YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09840.3p miR	TJU_CMC.ID09840.hairpin	YES	NO YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09841.3p miR	TJU_CMC.ID09841.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09842.5p miR	TJU_CMC.ID09842.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09843.5p miR	TJU_CMC.ID09843.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09844.3p miR	TJU_CMC.ID09844.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09845.3p miR	TJU_CMC.ID09845.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09846.3p miR	TJU_CMC.ID09846.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09847.5p miR	TJU_CMC.ID09847.hairpin	YES	NO YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09848.3p miR	TJU_CMC.ID09848.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09849.5p miR	TJU_CMC.ID09849.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09850.3p miR	TJU_CMC.ID09850.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09851.5p miR	TJU_CMC.ID09851.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09852.5p miR	TJU_CMC.ID09852.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC.ID09853.3p miR	TJU_CMC.ID09853.hairpin	YES	YES NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09854.5p miR	TJU_CMC.ID09854.hairpin	YES	YES YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09855.5p miR	TJU_CMC.ID09855.hairpin	YES	NO NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09856.3p miR	TJU_CMC.ID09856.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09857.3p miR	TJU_CMC.ID09857.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09858.3p miR	TJU_CMC.ID09858.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09859.5p miR	TJU_CMC.ID09859.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09860.5p miR	TJU_CMC.ID09860.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09861.5p miR	TJU_CMC.ID09861.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09862.3p miR	TJU_CMC.ID09862.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09863.3p miR	TJU_CMC.ID09863.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09864.5p miR	TJU_CMC.ID09864.hairpin	YES	YES YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC.ID09865.3p miR	TJU_CMC.ID09865.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09866.5p miR	TJU_CMC.ID09866.hairpin	YES	YES YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09867.5p miR	TJU_CMC.ID09867.hairpin	YES	NO YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC.ID09868.5p miR	TJU_CMC.ID09868.hairpin	YES	YES NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC.ID09869.5p miR	TJU_CMC.ID09869.hairpin	YES	YES YES	YES	NO	NO	NO	NO	NO	NO

[000239] The inventors also examined the 3,707 novel miRNAs that they discovered using the miRDeep2 method (as listed in Table 2) for conservation of the corresponding miRNA:hairpin combination across model organisms (using the above mentioned approach). As with the collection of the 9,877 novel miRNAs that the inventors discovered using their own method, they find that the vast majority of the miRNAs discovered using the miRDeep2 method are conserved in primates with only a small fraction of them being present in rodents or invertebrates. Table 6 below summarizes the conservation properties of this collection of miRNAs.

Table 6. Number of novel hairpin:mature miRNA combinations conserved in genomes of various species for the novel miRNAs discovered using the miRDeep2 method.

Present in Which Genome	Number of Novel hairpins:Mature miRNA Combinations (n=3,707)
Human (Hu)	3,707
Chimpanzee (Ch)	1,242
Gorilla (Go)	1,273
Orangutan (Or)	999
Macaque (Ma)	661
Mouse (Mo)	109
Drosophila (Dr)	1
Worm (Wo)	0

[000240] Of these 3,707 cases, 2,140 novel miRNA:hairpin combinations (57.7%) are present exclusively in the human genome. The following Table 7 shows in more detail the conservation properties of each of the 3,707 novel miRNA:hairpin combinations across the examined model organisms. The actual miRNA and hairpin sequences and corresponding SEQ ID NOs. can be identified in Table 2 according to the "Novel miRNA ID" and "Hairpin ID" listed in Table 7. In Table 7, "Hu" stands for Human; "Ch" stands for Chimpanzee; "Go" stands for Gorilla; "Or" stands for Orangutan or Pongo; "Ma" stands for "Macaque"; "Mo" stands for "Mouse"; "Dr" stands for Drosophia or fruit-fly; "Wo" stands for "worm."

Table 7. Conservation properties across the examined model organisms for the novel miRNA:hairpin combinations identified using the miRDeep2 method

Novel miRNA ID	Hairpin ID	Hu	Ch	Go	Or	Ma	Mo	Dr	Wo
TJU_CMC_MD2.ID00001.5p-miR	TJU_CMC_MD2.ID00001.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00002.5p-miR	TJU_CMC_MD2.ID00002.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00003.5p-miR	TJU_CMC_MD2.ID00003.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00004.3p-miR	TJU_CMC_MD2.ID00004.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00004.5p-miR	TJU_CMC_MD2.ID00004.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00005.5p-miR	TJU_CMC_MD2.ID00005.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00006.3p-miR	TJU_CMC_MD2.ID00006.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00007.3p-miR	TJU_CMC_MD2.ID00007.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00008.3p-miR	TJU_CMC_MD2.ID00008.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00009.3p-miR	TJU_CMC_MD2.ID00009.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00010.3p-miR	TJU_CMC_MD2.ID00010.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00011.3p-miR	TJU_CMC_MD2.ID00011.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00011.5p-miR	TJU_CMC_MD2.ID00011.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00012.3p-miR	TJU_CMC_MD2.ID00012.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00013.3p-miR	TJU_CMC_MD2.ID00013.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00014.3p-miR	TJU_CMC_MD2.ID00014.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00015.5p-miR	TJU_CMC_MD2.ID00015.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00016.5p-miR	TJU_CMC_MD2.ID00016.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00017.3p-miR	TJU_CMC_MD2.ID00017.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00018.5p-miR	TJU_CMC_MD2.ID00018.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00019.3p-miR	TJU_CMC_MD2.ID00019.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00020.5p-miR	TJU_CMC_MD2.ID00020.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00021.5p-miR	TJU_CMC_MD2.ID00021.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00022.3p-miR	TJU_CMC_MD2.ID00022.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00023.3p-miR	TJU_CMC_MD2.ID00023.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00024.5p-miR	TJU_CMC_MD2.ID00024.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00025.5p-miR	TJU_CMC_MD2.ID00025.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00026.3p-miR	TJU_CMC_MD2.ID00026.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00027.5p-miR	TJU_CMC_MD2.ID00027.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00028.3p-miR	TJU_CMC_MD2.ID00028.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00029.5p-miR	TJU_CMC_MD2.ID00029.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC_MD2.ID00030.3p-miR	TJU_CMC_MD2.ID00030.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00031.3p-miR	TJU_CMC_MD2.ID00031.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00032.5p-miR	TJU_CMC_MD2.ID00032.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00033.5p-miR	TJU_CMC_MD2.ID00033.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00034.3p-miR	TJU_CMC_MD2.ID00034.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00035.3p-miR	TJU_CMC_MD2.ID00035.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00036.3p-miR	TJU_CMC_MD2.ID00036.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00037.3p-miR	TJU_CMC_MD2.ID00037.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00038.3p-miR	TJU_CMC_MD2.ID00038.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00039.3p-miR	TJU_CMC_MD2.ID00039.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00040.5p-miR	TJU_CMC_MD2.ID00040.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00041.3p-miR	TJU_CMC_MD2.ID00041.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00041.5p-miR	TJU_CMC_MD2.ID00041.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00042.3p-miR	TJU_CMC_MD2.ID00042.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00043.5p-miR	TJU_CMC_MD2.ID00043.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00044.3p-miR	TJU_CMC_MD2.ID00044.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00045.5p-miR	TJU_CMC_MD2.ID00045.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00046.3p-miR	TJU_CMC_MD2.ID00046.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00046.5p-miR	TJU_CMC_MD2.ID00046.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00047.3p-miR	TJU_CMC_MD2.ID00047.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00048.5p-miR	TJU_CMC_MD2.ID00048.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00049.5p-miR	TJU_CMC_MD2.ID00049.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00050.5p-miR	TJU_CMC_MD2.ID00050.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00051.3p-miR	TJU_CMC_MD2.ID00051.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00052.3p-miR	TJU_CMC_MD2.ID00052.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00053.5p-miR	TJU_CMC_MD2.ID00053.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00054.5p-miR	TJU_CMC_MD2.ID00054.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00055.5p-miR	TJU_CMC_MD2.ID00055.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00056.3p-miR	TJU_CMC_MD2.ID00056.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00057.3p-miR	TJU_CMC_MD2.ID00057.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00058.5p-miR	TJU_CMC_MD2.ID00058.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00059.5p-miR	TJU_CMC_MD2.ID00059.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00060.3p-miR	TJU_CMC_MD2.ID00060.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00061.3p-miR	TJU_CMC_MD2.ID00061.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00062.5p-miR	TJU_CMC_MD2.ID00062.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00063.5p-miR	TJU_CMC_MD2.ID00063.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00064.3p-miR	TJU_CMC_MD2.ID00064.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00065.3p-miR	TJU_CMC_MD2.ID00065.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00066.3p-miR	TJU_CMC_MD2.ID00066.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00067.3p-miR	TJU_CMC_MD2.ID00067.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00068.5p-miR	TJU_CMC_MD2.ID00068.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00069.3p-miR	TJU_CMC_MD2.ID00069.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00070.5p-miR	TJU_CMC_MD2.ID00070.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00071.3p-miR	TJU_CMC_MD2.ID00071.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00072.5p-miR	TJU_CMC_MD2.ID00072.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00073.3p-miR	TJU_CMC_MD2.ID00073.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00074.3p-miR	TJU_CMC_MD2.ID00074.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00075.5p-miR	TJU_CMC_MD2.ID00075.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00076.5p-miR	TJU_CMC_MD2.ID00076.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00077.3p-miR	TJU_CMC_MD2.ID00077.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00078.3p-miR	TJU_CMC_MD2.ID00078.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00079.3p-miR	TJU_CMC_MD2.ID00079.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00080.3p-miR	TJU_CMC_MD2.ID00080.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00081.3p-miR	TJU_CMC_MD2.ID00081.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00082.3p-miR	TJU_CMC_MD2.ID00082.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00083.3p-miR	TJU_CMC_MD2.ID00083.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00084.5p-miR	TJU_CMC_MD2.ID00084.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00085.3p-miR	TJU_CMC_MD2.ID00085.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00086.3p-miR	TJU_CMC_MD2.ID00086.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00087.3p-miR	TJU_CMC_MD2.ID00087.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00088.5p-miR	TJU_CMC_MD2.ID00088.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00089.3p-miR	TJU_CMC_MD2.ID00089.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00090.3p-miR	TJU_CMC_MD2.ID00090.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00091.5p-miR	TJU_CMC_MD2.ID00091.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00092.3p-miR	TJU_CMC_MD2.ID00092.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00093.5p-miR	TJU_CMC_MD2.ID00093.hairpin	YES	YES	YES	NO	YES	NO	NO	YES	NO
TJU_CMC_MD2.ID00094.3p-miR	TJU_CMC_MD2.ID00094.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00095.5p-miR	TJU_CMC_MD2.ID00095.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00096.5p-miR	TJU_CMC_MD2.ID00096.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00097.5p-miR	TJU_CMC_MD2.ID00097.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00098.5p-miR	TJU_CMC_MD2.ID00098.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00099.3p-miR	TJU_CMC_MD2.ID00099.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00100.5p-miR	TJU_CMC_MD2.ID00100.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00101.3p-miR	TJU_CMC_MD2.ID00101.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00102.3p-miR	TJU_CMC_MD2.ID00102.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00103.5p-miR	TJU_CMC_MD2.ID00103.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00104.5p-miR	TJU_CMC_MD2.ID00104.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00105.5p-miR	TJU_CMC_MD2.ID00105.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00106.5p-miR	TJU_CMC_MD2.ID00106.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00107.3p-miR	TJU_CMC_MD2.ID00107.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00108.3p-miR	TJU_CMC_MD2.ID00108.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00109.3p-miR	TJU_CMC_MD2.ID00109.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00110.5p-miR	TJU_CMC_MD2.ID00110.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00111.3p-miR	TJU_CMC_MD2.ID00111.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00112.5p-miR	TJU_CMC_MD2.ID00112.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00113.5p-miR	TJU_CMC_MD2.ID00113.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00114.5p-miR	TJU_CMC_MD2.ID00114.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00115.5p-miR	TJU_CMC_MD2.ID00115.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00116.3p-miR	TJU_CMC_MD2.ID00116.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00117.5p-miR	TJU_CMC_MD2.ID00117.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00118.5p-miR	TJU_CMC_MD2.ID00118.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00119.3p-miR	TJU_CMC_MD2.ID00119.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00120.3p-miR	TJU_CMC_MD2.ID00120.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00121.5p-miR	TJU_CMC_MD2.ID00121.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00122.3p-miR	TJU_CMC_MD2.ID00122.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00122.5p-miR	TJU_CMC_MD2.ID00122.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00123.5p-miR	TJU_CMC_MD2.ID00123.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00124.5p-miR	TJU_CMC_MD2.ID00124.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00125.3p-miR	TJU_CMC_MD2.ID00125.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00126.5p-miR	TJU_CMC_MD2.ID00126.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00127.3p-miR	TJU_CMC_MD2.ID00127.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00128.3p-miR	TJU_CMC_MD2.ID00128.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00129.5p-miR	TJU_CMC_MD2.ID00129.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00130.3p-miR	TJU_CMC_MD2.ID00130.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00131.5p-miR	TJU_CMC_MD2.ID00131.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00132.5p-miR	TJU_CMC_MD2.ID00132.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00133.3p-miR	TJU_CMC_MD2.ID00133.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00134.3p-miR	TJU_CMC_MD2.ID00134.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00135.5p-miR	TJU_CMC_MD2.ID00135.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00136.5p-miR	TJU_CMC_MD2.ID00136.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00137.3p-miR	TJU_CMC_MD2.ID00137.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00138.3p-miR	TJU_CMC_MD2.ID00138.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00139.5p-miR	TJU_CMC_MD2.ID00139.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00140.3p-miR	TJU_CMC_MD2.ID00140.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00141.3p-miR	TJU_CMC_MD2.ID00141.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00142.3p-miR	TJU_CMC_MD2.ID00142.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00143.3p-miR	TJU_CMC_MD2.ID00143.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00144.3p-miR	TJU_CMC_MD2.ID00144.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00145.3p-miR	TJU_CMC_MD2.ID00145.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00145.5p-miR	TJU_CMC_MD2.ID00145.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00146.3p-miR	TJU_CMC_MD2.ID00146.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00146.5p-miR	TJU_CMC_MD2.ID00146.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00147.5p-miR	TJU_CMC_MD2.ID00147.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00148.5p-miR	TJU_CMC_MD2.ID00148.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00149.3p-miR	TJU_CMC_MD2.ID00149.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00150.5p-miR	TJU_CMC_MD2.ID00150.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00151.3p-miR	TJU_CMC_MD2.ID00151.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00152.3p-miR	TJU_CMC_MD2.ID00152.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00153.3p-miR	TJU_CMC_MD2.ID00153.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00154.3p-miR	TJU_CMC_MD2.ID00154.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00155.5p-miR	TJU_CMC_MD2.ID00155.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00156.5p-miR	TJU_CMC_MD2.ID00156.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00157.3p-miR	TJU_CMC_MD2.ID00157.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00158.5p-miR	TJU_CMC_MD2.ID00158.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00159.5p-miR	TJU_CMC_MD2.ID00159.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00160.5p-miR	TJU_CMC_MD2.ID00160.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00161.3p-miR	TJU_CMC_MD2.ID00161.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00162.3p-miR	TJU_CMC_MD2.ID00162.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00163.5p-miR	TJU_CMC_MD2.ID00163.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00164.5p-miR	TJU_CMC_MD2.ID00164.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00165.3p-miR	TJU_CMC_MD2.ID00165.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00166.5p-miR	TJU_CMC_MD2.ID00166.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00167.5p-miR	TJU_CMC_MD2.ID00167.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00168.3p-miR	TJU_CMC_MD2.ID00168.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00169.3p-miR	TJU_CMC_MD2.ID00169.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00170.3p-miR	TJU_CMC_MD2.ID00170.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00171.3p-miR	TJU_CMC_MD2.ID00171.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00172.3p-miR	TJU_CMC_MD2.ID00172.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00173.3p-miR	TJU_CMC_MD2.ID00173.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00174.5p-miR	TJU_CMC_MD2.ID00174.hairpin	YES	YES	NO	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00175.3p-miR	TJU_CMC_MD2.ID00175.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00176.5p-miR	TJU_CMC_MD2.ID00176.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00177.5p-miR	TJU_CMC_MD2.ID00177.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00178.5p-miR	TJU_CMC_MD2.ID00178.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00179.3p-miR	TJU_CMC_MD2.ID00179.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00180.5p-miR	TJU_CMC_MD2.ID00180.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00181.5p-miR	TJU_CMC_MD2.ID00181.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00182.5p-miR	TJU_CMC_MD2.ID00182.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00183.3p-miR	TJU_CMC_MD2.ID00183.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00183.5p-miR	TJU_CMC_MD2.ID00183.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00184.3p-miR	TJU_CMC_MD2.ID00184.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00185.5p-miR	TJU_CMC_MD2.ID00185.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00186.5p-miR	TJU_CMC_MD2.ID00186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00187.3p-miR	TJU_CMC_MD2.ID00187.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00188.3p-miR	TJU_CMC_MD2.ID00188.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00189.5p-miR	TJU_CMC_MD2.ID00189.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00190.3p-miR	TJU_CMC_MD2.ID00190.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00191.5p-miR	TJU_CMC_MD2.ID00191.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00192.3p-miR	TJU_CMC_MD2.ID00192.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00193.5p-miR	TJU_CMC_MD2.ID00193.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00194.3p-miR	TJU_CMC_MD2.ID00194.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00195.3p-miR	TJU_CMC_MD2.ID00195.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00196.3p-miR	TJU_CMC_MD2.ID00196.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00197.5p-miR	TJU_CMC_MD2.ID00197.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00198.3p-miR	TJU_CMC_MD2.ID00198.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00199.3p-miR	TJU_CMC_MD2.ID00199.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00200.5p-miR	TJU_CMC_MD2.ID00200.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00201.3p-miR	TJU_CMC_MD2.ID00201.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00202.5p-miR	TJU_CMC_MD2.ID00202.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID00203.3p-miR	TJU_CMC_MD2.ID00203.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00204.5p-miR	TJU_CMC_MD2.ID00204.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00205.3p-miR	TJU_CMC_MD2.ID00205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00206.3p-miR	TJU_CMC_MD2.ID00206.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00207.5p-miR	TJU_CMC_MD2.ID00207.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00208.5p-miR	TJU_CMC_MD2.ID00208.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00209.3p-miR	TJU_CMC_MD2.ID00209.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00210.5p-miR	TJU_CMC_MD2.ID00210.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00211.3p-miR	TJU_CMC_MD2.ID00211.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00212.3p-miR	TJU_CMC_MD2.ID00212.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00213.3p-miR	TJU_CMC_MD2.ID00213.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00214.3p-miR	TJU_CMC_MD2.ID00214.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00215.3p-miR	TJU_CMC_MD2.ID00215.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00216.3p-miR	TJU_CMC_MD2.ID00216.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00217.3p-miR	TJU_CMC_MD2.ID00217.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00217.5p-miR	TJU_CMC_MD2.ID00217.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00218.3p-miR	TJU_CMC_MD2.ID00218.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00219.3p-miR	TJU_CMC_MD2.ID00219.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00220.3p-miR	TJU_CMC_MD2.ID00220.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00221.5p-miR	TJU_CMC_MD2.ID00221.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00222.3p-miR	TJU_CMC_MD2.ID00222.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00223.5p-miR	TJU_CMC_MD2.ID00223.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00224.5p-miR	TJU_CMC_MD2.ID00224.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00225.3p-miR	TJU_CMC_MD2.ID00225.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00226.5p-miR	TJU_CMC_MD2.ID00226.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00227.5p-miR	TJU_CMC_MD2.ID00227.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00228.5p-miR	TJU_CMC_MD2.ID00228.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00229.5p-miR	TJU_CMC_MD2.ID00229.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00230.5p-miR	TJU_CMC_MD2.ID00230.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00231.3p-miR	TJU_CMC_MD2.ID00231.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00231.5p-miR	TJU_CMC_MD2.ID00231.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00232.3p-miR	TJU_CMC_MD2.ID00232.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00233.5p-miR	TJU_CMC_MD2.ID00233.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00234.3p-miR	TJU_CMC_MD2.ID00234.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00235.5p-miR	TJU_CMC_MD2.ID00235.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00236.5p-miR	TJU_CMC_MD2.ID00236.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00237.5p-miR	TJU_CMC_MD2.ID00237.hairpin	YES	YES	YES	YES	YES	YES	YES	NO	NO

TJU_CMC_MD2.ID00238.3p-miR	TJU_CMC_MD2.ID00238.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00239.3p-miR	TJU_CMC_MD2.ID00239.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00240.5p-miR	TJU_CMC_MD2.ID00240.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00241.3p-miR	TJU_CMC_MD2.ID00241.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00242.3p-miR	TJU_CMC_MD2.ID00242.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00243.3p-miR	TJU_CMC_MD2.ID00243.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00244.3p-miR	TJU_CMC_MD2.ID00244.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00245.3p-miR	TJU_CMC_MD2.ID00245.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00246.3p-miR	TJU_CMC_MD2.ID00246.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00247.3p-miR	TJU_CMC_MD2.ID00247.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00247.5p-miR	TJU_CMC_MD2.ID00247.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00248.5p-miR	TJU_CMC_MD2.ID00248.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00249.3p-miR	TJU_CMC_MD2.ID00249.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00250.5p-miR	TJU_CMC_MD2.ID00250.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00251.5p-miR	TJU_CMC_MD2.ID00251.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00252.5p-miR	TJU_CMC_MD2.ID00252.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00253.5p-miR	TJU_CMC_MD2.ID00253.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00254.3p-miR	TJU_CMC_MD2.ID00254.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00255.5p-miR	TJU_CMC_MD2.ID00255.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00256.3p-miR	TJU_CMC_MD2.ID00256.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00257.3p-miR	TJU_CMC_MD2.ID00257.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00258.5p-miR	TJU_CMC_MD2.ID00258.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00259.5p-miR	TJU_CMC_MD2.ID00259.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00260.3p-miR	TJU_CMC_MD2.ID00260.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00261.3p-miR	TJU_CMC_MD2.ID00261.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00262.3p-miR	TJU_CMC_MD2.ID00262.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00263.3p-miR	TJU_CMC_MD2.ID00263.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00264.5p-miR	TJU_CMC_MD2.ID00264.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00265.3p-miR	TJU_CMC_MD2.ID00265.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00266.3p-miR	TJU_CMC_MD2.ID00266.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00267.3p-miR	TJU_CMC_MD2.ID00267.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00268.3p-miR	TJU_CMC_MD2.ID00268.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00269.3p-miR	TJU_CMC_MD2.ID00269.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00270.5p-miR	TJU_CMC_MD2.ID00270.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00271.5p-miR	TJU_CMC_MD2.ID00271.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00272.3p-miR	TJU_CMC_MD2.ID00272.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00273.3p-miR	TJU_CMC_MD2.ID00273.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00274.5p-miR	TJU_CMC_MD2.ID00274.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00275.3p-miR	TJU_CMC_MD2.ID00275.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00276.3p-miR	TJU_CMC_MD2.ID00276.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00277.3p-miR	TJU_CMC_MD2.ID00277.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00278.3p-miR	TJU_CMC_MD2.ID00278.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00279.5p-miR	TJU_CMC_MD2.ID00279.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00280.3p-miR	TJU_CMC_MD2.ID00280.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00281.5p-miR	TJU_CMC_MD2.ID00281.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00282.5p-miR	TJU_CMC_MD2.ID00282.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00283.3p-miR	TJU_CMC_MD2.ID00283.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00284.5p-miR	TJU_CMC_MD2.ID00284.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00285.3p-miR	TJU_CMC_MD2.ID00285.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00286.3p-miR	TJU_CMC_MD2.ID00286.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00287.3p-miR	TJU_CMC_MD2.ID00287.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00288.3p-miR	TJU_CMC_MD2.ID00288.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00288.5p-miR	TJU_CMC_MD2.ID00288.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00289.5p-miR	TJU_CMC_MD2.ID00289.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00290.5p-miR	TJU_CMC_MD2.ID00290.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00291.3p-miR	TJU_CMC_MD2.ID00291.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00292.3p-miR	TJU_CMC_MD2.ID00292.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00293.3p-miR	TJU_CMC_MD2.ID00293.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00293.5p-miR	TJU_CMC_MD2.ID00293.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00294.5p-miR	TJU_CMC_MD2.ID00294.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00295.3p-miR	TJU_CMC_MD2.ID00295.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00296.3p-miR	TJU_CMC_MD2.ID00296.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00297.5p-miR	TJU_CMC_MD2.ID00297.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00298.3p-miR	TJU_CMC_MD2.ID00298.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00299.3p-miR	TJU_CMC_MD2.ID00299.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00300.5p-miR	TJU_CMC_MD2.ID00300.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID00301.3p-miR	TJU_CMC_MD2.ID00301.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00302.5p-miR	TJU_CMC_MD2.ID00302.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00303.5p-miR	TJU_CMC_MD2.ID00303.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00304.5p-miR	TJU_CMC_MD2.ID00304.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00305.3p-miR	TJU_CMC_MD2.ID00305.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00306.5p-miR	TJU_CMC_MD2.ID00306.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00307.5p-miR	TJU_CMC_MD2.ID00307.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00308.3p-miR	TJU_CMC_MD2.ID00308.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00309.5p-miR	TJU_CMC_MD2.ID00309.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00310.3p-miR	TJU_CMC_MD2.ID00310.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00311.5p-miR	TJU_CMC_MD2.ID00311.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00312.3p-miR	TJU_CMC_MD2.ID00312.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00313.3p-miR	TJU_CMC_MD2.ID00313.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00314.3p-miR	TJU_CMC_MD2.ID00314.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00314.5p-miR	TJU_CMC_MD2.ID00314.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00315.3p-miR	TJU_CMC_MD2.ID00315.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00315.5p-miR	TJU_CMC_MD2.ID00315.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00316.3p-miR	TJU_CMC_MD2.ID00316.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00317.5p-miR	TJU_CMC_MD2.ID00317.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00318.3p-miR	TJU_CMC_MD2.ID00318.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00319.3p-miR	TJU_CMC_MD2.ID00319.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00320.3p-miR	TJU_CMC_MD2.ID00320.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00321.5p-miR	TJU_CMC_MD2.ID00321.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00322.5p-miR	TJU_CMC_MD2.ID00322.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00323.3p-miR	TJU_CMC_MD2.ID00323.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00324.3p-miR	TJU_CMC_MD2.ID00324.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00325.3p-miR	TJU_CMC_MD2.ID00325.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00326.5p-miR	TJU_CMC_MD2.ID00326.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00327.3p-miR	TJU_CMC_MD2.ID00327.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00327.5p-miR	TJU_CMC_MD2.ID00327.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00328.3p-miR	TJU_CMC_MD2.ID00328.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00329.3p-miR	TJU_CMC_MD2.ID00329.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00330.5p-miR	TJU_CMC_MD2.ID00330.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00331.5p-miR	TJU_CMC_MD2.ID00331.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00332.3p-miR	TJU_CMC_MD2.ID00332.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00333.3p-miR	TJU_CMC_MD2.ID00333.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00334.3p-miR	TJU_CMC_MD2.ID00334.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00335.5p-miR	TJU_CMC_MD2.ID00335.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00336.3p-miR	TJU_CMC_MD2.ID00336.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00337.3p-miR	TJU_CMC_MD2.ID00337.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00338.3p-miR	TJU_CMC_MD2.ID00338.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00339.3p-miR	TJU_CMC_MD2.ID00339.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00340.5p-miR	TJU_CMC_MD2.ID00340.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00341.5p-miR	TJU_CMC_MD2.ID00341.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00342.5p-miR	TJU_CMC_MD2.ID00342.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID00343.3p-miR	TJU_CMC_MD2.ID00343.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00344.5p-miR	TJU_CMC_MD2.ID00344.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00345.3p-miR	TJU_CMC_MD2.ID00345.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00346.3p-miR	TJU_CMC_MD2.ID00346.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00347.3p-miR	TJU_CMC_MD2.ID00347.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00348.3p-miR	TJU_CMC_MD2.ID00348.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00349.3p-miR	TJU_CMC_MD2.ID00349.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00350.3p-miR	TJU_CMC_MD2.ID00350.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00350.5p-miR	TJU_CMC_MD2.ID00350.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00351.3p-miR	TJU_CMC_MD2.ID00351.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00352.3p-miR	TJU_CMC_MD2.ID00352.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00353.5p-miR	TJU_CMC_MD2.ID00353.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00354.3p-miR	TJU_CMC_MD2.ID00354.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00355.5p-miR	TJU_CMC_MD2.ID00355.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00356.3p-miR	TJU_CMC_MD2.ID00356.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00357.3p-miR	TJU_CMC_MD2.ID00357.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00357.5p-miR	TJU_CMC_MD2.ID00357.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00358.3p-miR	TJU_CMC_MD2.ID00358.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00358.5p-miR	TJU_CMC_MD2.ID00358.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00359.5p-miR	TJU_CMC_MD2.ID00359.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00360.3p-miR	TJU_CMC_MD2.ID00360.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00361.3p-miR	TJU_CMC_MD2.ID00361.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00362.5p-miR	TJU_CMC_MD2.ID00362.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00363.3p-miR	TJU_CMC_MD2.ID00363.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00364.5p-miR	TJU_CMC_MD2.ID00364.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID00365.3p-miR	TJU_CMC_MD2.ID00365.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00365.5p-miR	TJU_CMC_MD2.ID00365.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00366.3p-miR	TJU_CMC_MD2.ID00366.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00367.5p-miR	TJU_CMC_MD2.ID00367.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00368.3p-miR	TJU_CMC_MD2.ID00368.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00369.3p-miR	TJU_CMC_MD2.ID00369.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00370.3p-miR	TJU_CMC_MD2.ID00370.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00370.5p-miR	TJU_CMC_MD2.ID00370.hairpin	YES	YES	YES	NO	YES	NO	NO	NO

TJU_CMC_MD2.ID00371.5p-miR	TJU_CMC_MD2.ID00371.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00372.5p-miR	TJU_CMC_MD2.ID00372.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00373.3p-miR	TJU_CMC_MD2.ID00373.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00374.3p-miR	TJU_CMC_MD2.ID00374.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00375.3p-miR	TJU_CMC_MD2.ID00375.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00376.5p-miR	TJU_CMC_MD2.ID00376.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00377.3p-miR	TJU_CMC_MD2.ID00377.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00378.3p-miR	TJU_CMC_MD2.ID00378.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00379.3p-miR	TJU_CMC_MD2.ID00379.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00380.3p-miR	TJU_CMC_MD2.ID00380.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00381.3p-miR	TJU_CMC_MD2.ID00381.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00382.3p-miR	TJU_CMC_MD2.ID00382.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00382.5p-miR	TJU_CMC_MD2.ID00382.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00383.3p-miR	TJU_CMC_MD2.ID00383.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00383.5p-miR	TJU_CMC_MD2.ID00383.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00384.3p-miR	TJU_CMC_MD2.ID00384.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00385.5p-miR	TJU_CMC_MD2.ID00385.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00386.3p-miR	TJU_CMC_MD2.ID00386.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00387.3p-miR	TJU_CMC_MD2.ID00387.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00388.3p-miR	TJU_CMC_MD2.ID00388.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00389.5p-miR	TJU_CMC_MD2.ID00389.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00390.5p-miR	TJU_CMC_MD2.ID00390.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00391.5p-miR	TJU_CMC_MD2.ID00391.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00392.3p-miR	TJU_CMC_MD2.ID00392.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00392.5p-miR	TJU_CMC_MD2.ID00392.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00393.3p-miR	TJU_CMC_MD2.ID00393.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00394.3p-miR	TJU_CMC_MD2.ID00394.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00395.5p-miR	TJU_CMC_MD2.ID00395.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00396.3p-miR	TJU_CMC_MD2.ID00396.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00397.5p-miR	TJU_CMC_MD2.ID00397.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00398.3p-miR	TJU_CMC_MD2.ID00398.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00399.3p-miR	TJU_CMC_MD2.ID00399.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00400.5p-miR	TJU_CMC_MD2.ID00400.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00401.5p-miR	TJU_CMC_MD2.ID00401.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00402.5p-miR	TJU_CMC_MD2.ID00402.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00403.3p-miR	TJU_CMC_MD2.ID00403.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00404.3p-miR	TJU_CMC_MD2.ID00404.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00405.3p-miR	TJU_CMC_MD2.ID00405.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00406.3p-miR	TJU_CMC_MD2.ID00406.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00407.3p-miR	TJU_CMC_MD2.ID00407.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00408.5p-miR	TJU_CMC_MD2.ID00408.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00409.5p-miR	TJU_CMC_MD2.ID00409.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00410.3p-miR	TJU_CMC_MD2.ID00410.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00411.5p-miR	TJU_CMC_MD2.ID00411.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00412.3p-miR	TJU_CMC_MD2.ID00412.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00413.5p-miR	TJU_CMC_MD2.ID00413.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00414.3p-miR	TJU_CMC_MD2.ID00414.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00415.5p-miR	TJU_CMC_MD2.ID00415.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00416.5p-miR	TJU_CMC_MD2.ID00416.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00417.3p-miR	TJU_CMC_MD2.ID00417.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00418.5p-miR	TJU_CMC_MD2.ID00418.hairpin	YES	NO	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00419.3p-miR	TJU_CMC_MD2.ID00419.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00420.3p-miR	TJU_CMC_MD2.ID00420.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00421.3p-miR	TJU_CMC_MD2.ID00421.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00422.3p-miR	TJU_CMC_MD2.ID00422.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00423.3p-miR	TJU_CMC_MD2.ID00423.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00424.5p-miR	TJU_CMC_MD2.ID00424.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00425.5p-miR	TJU_CMC_MD2.ID00425.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00426.3p-miR	TJU_CMC_MD2.ID00426.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00427.5p-miR	TJU_CMC_MD2.ID00427.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00428.3p-miR	TJU_CMC_MD2.ID00428.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00429.3p-miR	TJU_CMC_MD2.ID00429.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00430.3p-miR	TJU_CMC_MD2.ID00430.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00431.5p-miR	TJU_CMC_MD2.ID00431.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00432.3p-miR	TJU_CMC_MD2.ID00432.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00433.3p-miR	TJU_CMC_MD2.ID00433.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00434.3p-miR	TJU_CMC_MD2.ID00434.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00435.3p-miR	TJU_CMC_MD2.ID00435.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00435.5p-miR	TJU_CMC_MD2.ID00435.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00436.3p-miR	TJU_CMC_MD2.ID00436.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00437.3p-miR	TJU_CMC_MD2.ID00437.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00438.3p-miR	TJU_CMC_MD2.ID00438.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00439.3p-miR	TJU_CMC_MD2.ID00439.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00440.5p-miR	TJU_CMC_MD2.ID00440.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00441.3p-miR	TJU_CMC_MD2.ID00441.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00442.5p-miR	TJU_CMC_MD2.ID00442.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00443.5p-miR	TJU_CMC_MD2.ID00443.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00444.5p-miR	TJU_CMC_MD2.ID00444.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00445.3p-miR	TJU_CMC_MD2.ID00445.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00446.3p-miR	TJU_CMC_MD2.ID00446.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00447.5p-miR	TJU_CMC_MD2.ID00447.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00448.3p-miR	TJU_CMC_MD2.ID00448.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00448.5p-miR	TJU_CMC_MD2.ID00448.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00449.5p-miR	TJU_CMC_MD2.ID00449.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00450.3p-miR	TJU_CMC_MD2.ID00450.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00451.3p-miR	TJU_CMC_MD2.ID00451.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00452.3p-miR	TJU_CMC_MD2.ID00452.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00453.3p-miR	TJU_CMC_MD2.ID00453.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00454.3p-miR	TJU_CMC_MD2.ID00454.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00455.5p-miR	TJU_CMC_MD2.ID00455.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00456.5p-miR	TJU_CMC_MD2.ID00456.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00457.3p-miR	TJU_CMC_MD2.ID00457.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00458.5p-miR	TJU_CMC_MD2.ID00458.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00459.5p-miR	TJU_CMC_MD2.ID00459.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00460.5p-miR	TJU_CMC_MD2.ID00460.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00461.3p-miR	TJU_CMC_MD2.ID00461.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00462.3p-miR	TJU_CMC_MD2.ID00462.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00463.3p-miR	TJU_CMC_MD2.ID00463.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00464.3p-miR	TJU_CMC_MD2.ID00464.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00464.5p-miR	TJU_CMC_MD2.ID00464.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00465.5p-miR	TJU_CMC_MD2.ID00465.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00466.5p-miR	TJU_CMC_MD2.ID00466.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00467.5p-miR	TJU_CMC_MD2.ID00467.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00468.3p-miR	TJU_CMC_MD2.ID00468.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00469.3p-miR	TJU_CMC_MD2.ID00469.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00470.5p-miR	TJU_CMC_MD2.ID00470.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00471.3p-miR	TJU_CMC_MD2.ID00471.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00472.3p-miR	TJU_CMC_MD2.ID00472.hairpin	YES	YES	NO	YES	NO	YES	NO	NO	NO

TJU_CMC_MD2.ID00472.5p-miR	TJU_CMC_MD2.ID00472.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00473.3p-miR	TJU_CMC_MD2.ID00473.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00474.3p-miR	TJU_CMC_MD2.ID00474.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00475.3p-miR	TJU_CMC_MD2.ID00475.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00476.3p-miR	TJU_CMC_MD2.ID00476.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00477.5p-miR	TJU_CMC_MD2.ID00477.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00478.3p-miR	TJU_CMC_MD2.ID00478.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00479.5p-miR	TJU_CMC_MD2.ID00479.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00480.3p-miR	TJU_CMC_MD2.ID00480.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00480.5p-miR	TJU_CMC_MD2.ID00480.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00481.5p-miR	TJU_CMC_MD2.ID00481.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00482.5p-miR	TJU_CMC_MD2.ID00482.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00483.3p-miR	TJU_CMC_MD2.ID00483.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00484.3p-miR	TJU_CMC_MD2.ID00484.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00485.5p-miR	TJU_CMC_MD2.ID00485.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00486.3p-miR	TJU_CMC_MD2.ID00486.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00487.3p-miR	TJU_CMC_MD2.ID00487.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00488.5p-miR	TJU_CMC_MD2.ID00488.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00489.3p-miR	TJU_CMC_MD2.ID00489.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00490.5p-miR	TJU_CMC_MD2.ID00490.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00491.5p-miR	TJU_CMC_MD2.ID00491.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00492.5p-miR	TJU_CMC_MD2.ID00492.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00493.3p-miR	TJU_CMC_MD2.ID00493.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00494.5p-miR	TJU_CMC_MD2.ID00494.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00495.5p-miR	TJU_CMC_MD2.ID00495.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00496.5p-miR	TJU_CMC_MD2.ID00496.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00497.3p-miR	TJU_CMC_MD2.ID00497.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00498.5p-miR	TJU_CMC_MD2.ID00498.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00499.3p-miR	TJU_CMC_MD2.ID00499.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00500.3p-miR	TJU_CMC_MD2.ID00500.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00501.5p-miR	TJU_CMC_MD2.ID00501.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00502.5p-miR	TJU_CMC_MD2.ID00502.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00503.5p-miR	TJU_CMC_MD2.ID00503.hairpin	YES	YES	NO	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID00504.3p-miR	TJU_CMC_MD2.ID00504.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00505.3p-miR	TJU_CMC_MD2.ID00505.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00506.3p-miR	TJU_CMC_MD2.ID00506.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00507.3p-miR	TJU_CMC_MD2.ID00507.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00508.3p-miR	TJU_CMC_MD2.ID00508.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00509.3p-miR	TJU_CMC_MD2.ID00509.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00510.5p-miR	TJU_CMC_MD2.ID00510.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00511.5p-miR	TJU_CMC_MD2.ID00511.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00512.3p-miR	TJU_CMC_MD2.ID00512.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00513.3p-miR	TJU_CMC_MD2.ID00513.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00514.3p-miR	TJU_CMC_MD2.ID00514.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00515.5p-miR	TJU_CMC_MD2.ID00515.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00516.5p-miR	TJU_CMC_MD2.ID00516.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00517.5p-miR	TJU_CMC_MD2.ID00517.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00518.5p-miR	TJU_CMC_MD2.ID00518.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00519.3p-miR	TJU_CMC_MD2.ID00519.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00520.5p-miR	TJU_CMC_MD2.ID00520.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00521.5p-miR	TJU_CMC_MD2.ID00521.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00522.5p-miR	TJU_CMC_MD2.ID00522.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00523.3p-miR	TJU_CMC_MD2.ID00523.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00524.3p-miR	TJU_CMC_MD2.ID00524.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00525.3p-miR	TJU_CMC_MD2.ID00525.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00526.3p-miR	TJU_CMC_MD2.ID00526.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00526.5p-miR	TJU_CMC_MD2.ID00526.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00527.5p-miR	TJU_CMC_MD2.ID00527.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00528.3p-miR	TJU_CMC_MD2.ID00528.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00529.3p-miR	TJU_CMC_MD2.ID00529.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00529.5p-miR	TJU_CMC_MD2.ID00529.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00530.3p-miR	TJU_CMC_MD2.ID00530.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00531.5p-miR	TJU_CMC_MD2.ID00531.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00532.3p-miR	TJU_CMC_MD2.ID00532.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00532.5p-miR	TJU_CMC_MD2.ID00532.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00533.3p-miR	TJU_CMC_MD2.ID00533.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00533.5p-miR	TJU_CMC_MD2.ID00533.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00534.3p-miR	TJU_CMC_MD2.ID00534.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00535.3p-miR	TJU_CMC_MD2.ID00535.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00536.3p-miR	TJU_CMC_MD2.ID00536.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00537.3p-miR	TJU_CMC_MD2.ID00537.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00538.5p-miR	TJU_CMC_MD2.ID00538.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00539.3p-miR	TJU_CMC_MD2.ID00539.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00539.5p-miR	TJU_CMC_MD2.ID00539.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00540.3p-miR	TJU_CMC_MD2.ID00540.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00541.5p-miR	TJU_CMC_MD2.ID00541.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00542.3p-miR	TJU_CMC_MD2.ID00542.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00543.3p-miR	TJU_CMC_MD2.ID00543.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00544.3p-miR	TJU_CMC_MD2.ID00544.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00545.3p-miR	TJU_CMC_MD2.ID00545.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00546.5p-miR	TJU_CMC_MD2.ID00546.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00547.3p-miR	TJU_CMC_MD2.ID00547.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00548.3p-miR	TJU_CMC_MD2.ID00548.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00549.3p-miR	TJU_CMC_MD2.ID00549.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00550.3p-miR	TJU_CMC_MD2.ID00550.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00550.5p-miR	TJU_CMC_MD2.ID00550.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00551.3p-miR	TJU_CMC_MD2.ID00551.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00552.3p-miR	TJU_CMC_MD2.ID00552.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00553.3p-miR	TJU_CMC_MD2.ID00553.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00554.3p-miR	TJU_CMC_MD2.ID00554.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00555.3p-miR	TJU_CMC_MD2.ID00555.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00556.5p-miR	TJU_CMC_MD2.ID00556.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00557.3p-miR	TJU_CMC_MD2.ID00557.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00558.3p-miR	TJU_CMC_MD2.ID00558.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00558.5p-miR	TJU_CMC_MD2.ID00558.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00559.3p-miR	TJU_CMC_MD2.ID00559.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00560.3p-miR	TJU_CMC_MD2.ID00560.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00561.3p-miR	TJU_CMC_MD2.ID00561.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00562.3p-miR	TJU_CMC_MD2.ID00562.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00563.3p-miR	TJU_CMC_MD2.ID00563.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00564.5p-miR	TJU_CMC_MD2.ID00564.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00565.3p-miR	TJU_CMC_MD2.ID00565.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00566.5p-miR	TJU_CMC_MD2.ID00566.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00567.3p-miR	TJU_CMC_MD2.ID00567.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00568.3p-miR	TJU_CMC_MD2.ID00568.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00569.3p-miR	TJU_CMC_MD2.ID00569.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00570.3p-miR	TJU_CMC_MD2.ID00570.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00571.3p-miR	TJU_CMC_MD2.ID00571.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00572.5p-miR	TJU_CMC_MD2.ID00572.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00573.5p-miR	TJU_CMC_MD2.ID00573.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00574.3p-miR	TJU_CMC_MD2.ID00574.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00574.5p-miR	TJU_CMC_MD2.ID00574.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00575.5p-miR	TJU_CMC_MD2.ID00575.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00576.5p-miR	TJU_CMC_MD2.ID00576.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00577.3p-miR	TJU_CMC_MD2.ID00577.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00578.3p-miR	TJU_CMC_MD2.ID00578.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00579.3p-miR	TJU_CMC_MD2.ID00579.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00580.3p-miR	TJU_CMC_MD2.ID00580.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00581.3p-miR	TJU_CMC_MD2.ID00581.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00582.3p-miR	TJU_CMC_MD2.ID00582.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00583.3p-miR	TJU_CMC_MD2.ID00583.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00584.5p-miR	TJU_CMC_MD2.ID00584.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00585.5p-miR	TJU_CMC_MD2.ID00585.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00586.3p-miR	TJU_CMC_MD2.ID00586.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00587.3p-miR	TJU_CMC_MD2.ID00587.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00588.3p-miR	TJU_CMC_MD2.ID00588.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00589.3p-miR	TJU_CMC_MD2.ID00589.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00590.5p-miR	TJU_CMC_MD2.ID00590.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00591.3p-miR	TJU_CMC_MD2.ID00591.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00591.5p-miR	TJU_CMC_MD2.ID00591.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00592.3p-miR	TJU_CMC_MD2.ID00592.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00593.3p-miR	TJU_CMC_MD2.ID00593.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00594.3p-miR	TJU_CMC_MD2.ID00594.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00595.3p-miR	TJU_CMC_MD2.ID00595.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00596.5p-miR	TJU_CMC_MD2.ID00596.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00597.3p-miR	TJU_CMC_MD2.ID00597.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00598.3p-miR	TJU_CMC_MD2.ID00598.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00599.5p-miR	TJU_CMC_MD2.ID00599.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00600.3p-miR	TJU_CMC_MD2.ID00600.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00601.3p-miR	TJU_CMC_MD2.ID00601.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00602.3p-miR	TJU_CMC_MD2.ID00602.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00603.5p-miR	TJU_CMC_MD2.ID00603.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00604.3p-miR	TJU_CMC_MD2.ID00604.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00605.5p-miR	TJU_CMC_MD2.ID00605.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC_MD2.ID00606.5p-miR	TJU_CMC_MD2.ID00606.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00607.3p-miR	TJU_CMC_MD2.ID00607.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00608.3p-miR	TJU_CMC_MD2.ID00608.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00609.5p-miR	TJU_CMC_MD2.ID00609.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00610.3p-miR	TJU_CMC_MD2.ID00610.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00611.5p-miR	TJU_CMC_MD2.ID00611.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00612.3p-miR	TJU_CMC_MD2.ID00612.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00613.3p-miR	TJU_CMC_MD2.ID00613.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00614.3p-miR	TJU_CMC_MD2.ID00614.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00615.5p-miR	TJU_CMC_MD2.ID00615.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00616.5p-miR	TJU_CMC_MD2.ID00616.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00617.3p-miR	TJU_CMC_MD2.ID00617.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00618.3p-miR	TJU_CMC_MD2.ID00618.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00619.5p-miR	TJU_CMC_MD2.ID00619.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00620.3p-miR	TJU_CMC_MD2.ID00620.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00621.3p-miR	TJU_CMC_MD2.ID00621.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00622.3p-miR	TJU_CMC_MD2.ID00622.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00623.3p-miR	TJU_CMC_MD2.ID00623.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00623.5p-miR	TJU_CMC_MD2.ID00623.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00624.3p-miR	TJU_CMC_MD2.ID00624.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00625.5p-miR	TJU_CMC_MD2.ID00625.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00626.5p-miR	TJU_CMC_MD2.ID00626.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00627.5p-miR	TJU_CMC_MD2.ID00627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00628.5p-miR	TJU_CMC_MD2.ID00628.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00629.3p-miR	TJU_CMC_MD2.ID00629.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00630.3p-miR	TJU_CMC_MD2.ID00630.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00631.5p-miR	TJU_CMC_MD2.ID00631.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00632.3p-miR	TJU_CMC_MD2.ID00632.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00633.3p-miR	TJU_CMC_MD2.ID00633.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00634.5p-miR	TJU_CMC_MD2.ID00634.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00635.5p-miR	TJU_CMC_MD2.ID00635.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00636.3p-miR	TJU_CMC_MD2.ID00636.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00637.5p-miR	TJU_CMC_MD2.ID00637.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00638.5p-miR	TJU_CMC_MD2.ID00638.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00639.3p-miR	TJU_CMC_MD2.ID00639.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00639.5p-miR	TJU_CMC_MD2.ID00639.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00640.3p-miR	TJU_CMC_MD2.ID00640.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00640.5p-miR	TJU_CMC_MD2.ID00640.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00641.3p-miR	TJU_CMC_MD2.ID00641.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00642.3p-miR	TJU_CMC_MD2.ID00642.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00643.3p-miR	TJU_CMC_MD2.ID00643.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00644.5p-miR	TJU_CMC_MD2.ID00644.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00645.5p-miR	TJU_CMC_MD2.ID00645.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00646.5p-miR	TJU_CMC_MD2.ID00646.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00647.3p-miR	TJU_CMC_MD2.ID00647.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00648.5p-miR	TJU_CMC_MD2.ID00648.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00649.3p-miR	TJU_CMC_MD2.ID00649.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00649.5p-miR	TJU_CMC_MD2.ID00649.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00650.5p-miR	TJU_CMC_MD2.ID00650.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00651.3p-miR	TJU_CMC_MD2.ID00651.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00651.5p-miR	TJU_CMC_MD2.ID00651.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00652.5p-miR	TJU_CMC_MD2.ID00652.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00653.3p-miR	TJU_CMC_MD2.ID00653.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00654.3p-miR	TJU_CMC_MD2.ID00654.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00655.3p-miR	TJU_CMC_MD2.ID00655.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00656.5p-miR	TJU_CMC_MD2.ID00656.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00657.3p-miR	TJU_CMC_MD2.ID00657.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00657.5p-miR	TJU_CMC_MD2.ID00657.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00658.5p-miR	TJU_CMC_MD2.ID00658.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00659.3p-miR	TJU_CMC_MD2.ID00659.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00660.5p-miR	TJU_CMC_MD2.ID00660.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00661.5p-miR	TJU_CMC_MD2.ID00661.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00662.3p-miR	TJU_CMC_MD2.ID00662.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00663.5p-miR	TJU_CMC_MD2.ID00663.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00664.3p-miR	TJU_CMC_MD2.ID00664.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00665.3p-miR	TJU_CMC_MD2.ID00665.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00666.3p-miR	TJU_CMC_MD2.ID00666.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00667.5p-miR	TJU_CMC_MD2.ID00667.hairpin	YES	NO	NO	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID00668.3p-miR	TJU_CMC_MD2.ID00668.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00669.3p-miR	TJU_CMC_MD2.ID00669.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00670.3p-miR	TJU_CMC_MD2.ID00670.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00671.5p-miR	TJU_CMC_MD2.ID00671.hairpin	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00672.3p-miR	TJU_CMC_MD2.ID00672.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00672.5p-miR	TJU_CMC_MD2.ID00672.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00673.3p-miR	TJU_CMC_MD2.ID00673.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00674.3p-miR	TJU_CMC_MD2.ID00674.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00675.3p-miR	TJU_CMC_MD2.ID00675.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00676.3p-miR	TJU_CMC_MD2.ID00676.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00677.3p-miR	TJU_CMC_MD2.ID00677.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00678.3p-miR	TJU_CMC_MD2.ID00678.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00679.5p-miR	TJU_CMC_MD2.ID00679.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00680.5p-miR	TJU_CMC_MD2.ID00680.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00681.5p-miR	TJU_CMC_MD2.ID00681.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00682.3p-miR	TJU_CMC_MD2.ID00682.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00683.3p-miR	TJU_CMC_MD2.ID00683.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00684.3p-miR	TJU_CMC_MD2.ID00684.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00685.3p-miR	TJU_CMC_MD2.ID00685.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00685.5p-miR	TJU_CMC_MD2.ID00685.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00686.3p-miR	TJU_CMC_MD2.ID00686.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00687.3p-miR	TJU_CMC_MD2.ID00687.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00688.3p-miR	TJU_CMC_MD2.ID00688.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00689.3p-miR	TJU_CMC_MD2.ID00689.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00690.5p-miR	TJU_CMC_MD2.ID00690.hairpin	YES	YES	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID00691.3p-miR	TJU_CMC_MD2.ID00691.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00691.5p-miR	TJU_CMC_MD2.ID00691.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00692.3p-miR	TJU_CMC_MD2.ID00692.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00693.5p-miR	TJU_CMC_MD2.ID00693.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00694.5p-miR	TJU_CMC_MD2.ID00694.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00695.3p-miR	TJU_CMC_MD2.ID00695.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00696.5p-miR	TJU_CMC_MD2.ID00696.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00697.3p-miR	TJU_CMC_MD2.ID00697.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00698.3p-miR	TJU_CMC_MD2.ID00698.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00699.3p-miR	TJU_CMC_MD2.ID00699.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00700.5p-miR	TJU_CMC_MD2.ID00700.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00701.5p-miR	TJU_CMC_MD2.ID00701.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00702.5p-miR	TJU_CMC_MD2.ID00702.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00703.3p-miR	TJU_CMC_MD2.ID00703.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00704.5p-miR	TJU_CMC_MD2.ID00704.hairpin	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00705.3p-miR	TJU_CMC_MD2.ID00705.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00706.5p-miR	TJU_CMC_MD2.ID00706.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00707.5p-miR	TJU_CMC_MD2.ID00707.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00708.5p-miR	TJU_CMC_MD2.ID00708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00709.3p-miR	TJU_CMC_MD2.ID00709.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00710.3p-miR	TJU_CMC_MD2.ID00710.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00711.3p-miR	TJU_CMC_MD2.ID00711.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00712.3p-miR	TJU_CMC_MD2.ID00712.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00713.5p-miR	TJU_CMC_MD2.ID00713.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00714.3p-miR	TJU_CMC_MD2.ID00714.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00715.3p-miR	TJU_CMC_MD2.ID00715.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00716.3p-miR	TJU_CMC_MD2.ID00716.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00716.5p-miR	TJU_CMC_MD2.ID00716.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00717.3p-miR	TJU_CMC_MD2.ID00717.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00718.5p-miR	TJU_CMC_MD2.ID00718.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00719.5p-miR	TJU_CMC_MD2.ID00719.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00720.5p-miR	TJU_CMC_MD2.ID00720.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00721.5p-miR	TJU_CMC_MD2.ID00721.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00722.5p-miR	TJU_CMC_MD2.ID00722.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00723.5p-miR	TJU_CMC_MD2.ID00723.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00724.5p-miR	TJU_CMC_MD2.ID00724.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00725.3p-miR	TJU_CMC_MD2.ID00725.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00726.3p-miR	TJU_CMC_MD2.ID00726.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00726.5p-miR	TJU_CMC_MD2.ID00726.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00727.3p-miR	TJU_CMC_MD2.ID00727.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00728.3p-miR	TJU_CMC_MD2.ID00728.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00729.5p-miR	TJU_CMC_MD2.ID00729.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00730.3p-miR	TJU_CMC_MD2.ID00730.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00731.5p-miR	TJU_CMC_MD2.ID00731.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00732.3p-miR	TJU_CMC_MD2.ID00732.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00733.5p-miR	TJU_CMC_MD2.ID00733.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00734.5p-miR	TJU_CMC_MD2.ID00734.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00735.3p-miR	TJU_CMC_MD2.ID00735.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00736.5p-miR	TJU_CMC_MD2.ID00736.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00737.3p-miR	TJU_CMC_MD2.ID00737.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00738.5p-miR	TJU_CMC_MD2.ID00738.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID00739.3p-miR	TJU_CMC_MD2.ID00739.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00740.3p-miR	TJU_CMC_MD2.ID00740.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00741.3p-miR	TJU_CMC_MD2.ID00741.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00742.3p-miR	TJU_CMC_MD2.ID00742.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00743.5p-miR	TJU_CMC_MD2.ID00743.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00744.3p-miR	TJU_CMC_MD2.ID00744.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00745.5p-miR	TJU_CMC_MD2.ID00745.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00746.5p-miR	TJU_CMC_MD2.ID00746.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00747.3p-miR	TJU_CMC_MD2.ID00747.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00748.3p-miR	TJU_CMC_MD2.ID00748.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00749.3p-miR	TJU_CMC_MD2.ID00749.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00750.3p-miR	TJU_CMC_MD2.ID00750.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00751.3p-miR	TJU_CMC_MD2.ID00751.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00752.3p-miR	TJU_CMC_MD2.ID00752.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00753.3p-miR	TJU_CMC_MD2.ID00753.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00754.3p-miR	TJU_CMC_MD2.ID00754.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00755.3p-miR	TJU_CMC_MD2.ID00755.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00755.5p-miR	TJU_CMC_MD2.ID00755.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00756.3p-miR	TJU_CMC_MD2.ID00756.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00757.3p-miR	TJU_CMC_MD2.ID00757.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00757.5p-miR	TJU_CMC_MD2.ID00757.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00758.5p-miR	TJU_CMC_MD2.ID00758.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00759.5p-miR	TJU_CMC_MD2.ID00759.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00760.3p-miR	TJU_CMC_MD2.ID00760.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00761.3p-miR	TJU_CMC_MD2.ID00761.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00762.3p-miR	TJU_CMC_MD2.ID00762.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00763.3p-miR	TJU_CMC_MD2.ID00763.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00764.5p-miR	TJU_CMC_MD2.ID00764.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00765.5p-miR	TJU_CMC_MD2.ID00765.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00766.5p-miR	TJU_CMC_MD2.ID00766.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00767.3p-miR	TJU_CMC_MD2.ID00767.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00768.3p-miR	TJU_CMC_MD2.ID00768.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00769.5p-miR	TJU_CMC_MD2.ID00769.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00770.3p-miR	TJU_CMC_MD2.ID00770.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00771.3p-miR	TJU_CMC_MD2.ID00771.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00771.5p-miR	TJU_CMC_MD2.ID00771.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID00772.3p-miR	TJU_CMC_MD2.ID00772.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00772.5p-miR	TJU_CMC_MD2.ID00772.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00773.3p-miR	TJU_CMC_MD2.ID00773.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00774.3p-miR	TJU_CMC_MD2.ID00774.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00775.3p-miR	TJU_CMC_MD2.ID00775.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00776.3p-miR	TJU_CMC_MD2.ID00776.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00776.5p-miR	TJU_CMC_MD2.ID00776.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00777.3p-miR	TJU_CMC_MD2.ID00777.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00778.3p-miR	TJU_CMC_MD2.ID00778.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00779.3p-miR	TJU_CMC_MD2.ID00779.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00780.3p-miR	TJU_CMC_MD2.ID00780.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00781.3p-miR	TJU_CMC_MD2.ID00781.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00782.3p-miR	TJU_CMC_MD2.ID00782.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00783.3p-miR	TJU_CMC_MD2.ID00783.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00784.3p-miR	TJU_CMC_MD2.ID00784.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00785.3p-miR	TJU_CMC_MD2.ID00785.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00785.5p-miR	TJU_CMC_MD2.ID00785.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00786.5p-miR	TJU_CMC_MD2.ID00786.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00787.3p-miR	TJU_CMC_MD2.ID00787.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00788.5p-miR	TJU_CMC_MD2.ID00788.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00789.5p-miR	TJU_CMC_MD2.ID00789.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00790.3p-miR	TJU_CMC_MD2.ID00790.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00791.5p-miR	TJU_CMC_MD2.ID00791.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00792.3p-miR	TJU_CMC_MD2.ID00792.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00793.5p-miR	TJU_CMC_MD2.ID00793.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00794.3p-miR	TJU_CMC_MD2.ID00794.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00795.5p-miR	TJU_CMC_MD2.ID00795.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00796.3p-miR	TJU_CMC_MD2.ID00796.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00797.3p-miR	TJU_CMC_MD2.ID00797.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00798.3p-miR	TJU_CMC_MD2.ID00798.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00799.3p-miR	TJU_CMC_MD2.ID00799.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00800.5p-miR	TJU_CMC_MD2.ID00800.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00801.5p-miR	TJU_CMC_MD2.ID00801.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00802.5p-miR	TJU_CMC_MD2.ID00802.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00803.5p-miR	TJU_CMC_MD2.ID00803.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00804.3p-miR	TJU_CMC_MD2.ID00804.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00805.3p-miR	TJU_CMC_MD2.ID00805.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00806.5p-miR	TJU_CMC_MD2.ID00806.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00807.5p-miR	TJU_CMC_MD2.ID00807.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00808.3p-miR	TJU_CMC_MD2.ID00808.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00809.3p-miR	TJU_CMC_MD2.ID00809.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00810.3p-miR	TJU_CMC_MD2.ID00810.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00810.5p-miR	TJU_CMC_MD2.ID00810.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00811.3p-miR	TJU_CMC_MD2.ID00811.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00812.5p-miR	TJU_CMC_MD2.ID00812.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00813.5p-miR	TJU_CMC_MD2.ID00813.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00814.5p-miR	TJU_CMC_MD2.ID00814.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00815.5p-miR	TJU_CMC_MD2.ID00815.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00816.3p-miR	TJU_CMC_MD2.ID00816.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00817.3p-miR	TJU_CMC_MD2.ID00817.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00818.3p-miR	TJU_CMC_MD2.ID00818.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00819.3p-miR	TJU_CMC_MD2.ID00819.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00820.5p-miR	TJU_CMC_MD2.ID00820.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00821.3p-miR	TJU_CMC_MD2.ID00821.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00822.5p-miR	TJU_CMC_MD2.ID00822.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00823.3p-miR	TJU_CMC_MD2.ID00823.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00824.5p-miR	TJU_CMC_MD2.ID00824.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00825.3p-miR	TJU_CMC_MD2.ID00825.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00826.5p-miR	TJU_CMC_MD2.ID00826.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00827.3p-miR	TJU_CMC_MD2.ID00827.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00828.5p-miR	TJU_CMC_MD2.ID00828.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00829.5p-miR	TJU_CMC_MD2.ID00829.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00830.5p-miR	TJU_CMC_MD2.ID00830.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00831.5p-miR	TJU_CMC_MD2.ID00831.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00832.5p-miR	TJU_CMC_MD2.ID00832.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00833.5p-miR	TJU_CMC_MD2.ID00833.hairpin	YES	NO	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00834.3p-miR	TJU_CMC_MD2.ID00834.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00835.5p-miR	TJU_CMC_MD2.ID00835.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00836.5p-miR	TJU_CMC_MD2.ID00836.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00837.5p-miR	TJU_CMC_MD2.ID00837.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00838.3p-miR	TJU_CMC_MD2.ID00838.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00839.3p-miR	TJU_CMC_MD2.ID00839.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00840.3p-miR	TJU_CMC_MD2.ID00840.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00840.5p-miR	TJU_CMC_MD2.ID00840.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00841.3p-miR	TJU_CMC_MD2.ID00841.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00842.3p-miR	TJU_CMC_MD2.ID00842.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00843.5p-miR	TJU_CMC_MD2.ID00843.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00844.3p-miR	TJU_CMC_MD2.ID00844.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00845.3p-miR	TJU_CMC_MD2.ID00845.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00846.3p-miR	TJU_CMC_MD2.ID00846.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00847.3p-miR	TJU_CMC_MD2.ID00847.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00848.5p-miR	TJU_CMC_MD2.ID00848.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00849.3p-miR	TJU_CMC_MD2.ID00849.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00850.3p-miR	TJU_CMC_MD2.ID00850.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00851.5p-miR	TJU_CMC_MD2.ID00851.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00852.5p-miR	TJU_CMC_MD2.ID00852.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00853.5p-miR	TJU_CMC_MD2.ID00853.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00854.5p-miR	TJU_CMC_MD2.ID00854.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00855.5p-miR	TJU_CMC_MD2.ID00855.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00856.3p-miR	TJU_CMC_MD2.ID00856.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00857.5p-miR	TJU_CMC_MD2.ID00857.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00858.5p-miR	TJU_CMC_MD2.ID00858.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00859.5p-miR	TJU_CMC_MD2.ID00859.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00860.3p-miR	TJU_CMC_MD2.ID00860.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00861.3p-miR	TJU_CMC_MD2.ID00861.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00862.3p-miR	TJU_CMC_MD2.ID00862.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00863.5p-miR	TJU_CMC_MD2.ID00863.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00864.3p-miR	TJU_CMC_MD2.ID00864.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00865.5p-miR	TJU_CMC_MD2.ID00865.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00866.3p-miR	TJU_CMC_MD2.ID00866.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00867.3p-miR	TJU_CMC_MD2.ID00867.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00868.5p-miR	TJU_CMC_MD2.ID00868.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00869.3p-miR	TJU_CMC_MD2.ID00869.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00870.5p-miR	TJU_CMC_MD2.ID00870.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00871.3p-miR	TJU_CMC_MD2.ID00871.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00872.3p-miR	TJU_CMC_MD2.ID00872.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00873.5p-miR	TJU_CMC_MD2.ID00873.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00874.3p-miR	TJU_CMC_MD2.ID00874.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00875.3p-miR	TJU_CMC_MD2.ID00875.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00876.3p-miR	TJU_CMC_MD2.ID00876.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00876.5p-miR	TJU_CMC_MD2.ID00876.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00877.5p-miR	TJU_CMC_MD2.ID00877.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00878.3p-miR	TJU_CMC_MD2.ID00878.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00879.3p-miR	TJU_CMC_MD2.ID00879.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00880.3p-miR	TJU_CMC_MD2.ID00880.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00881.3p-miR	TJU_CMC_MD2.ID00881.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00882.3p-miR	TJU_CMC_MD2.ID00882.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00883.3p-miR	TJU_CMC_MD2.ID00883.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00884.3p-miR	TJU_CMC_MD2.ID00884.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00885.3p-miR	TJU_CMC_MD2.ID00885.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00886.5p-miR	TJU_CMC_MD2.ID00886.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00887.5p-miR	TJU_CMC_MD2.ID00887.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00888.5p-miR	TJU_CMC_MD2.ID00888.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00889.3p-miR	TJU_CMC_MD2.ID00889.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00890.3p-miR	TJU_CMC_MD2.ID00890.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00891.5p-miR	TJU_CMC_MD2.ID00891.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00892.3p-miR	TJU_CMC_MD2.ID00892.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00893.3p-miR	TJU_CMC_MD2.ID00893.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00894.5p-miR	TJU_CMC_MD2.ID00894.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00895.3p-miR	TJU_CMC_MD2.ID00895.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00896.5p-miR	TJU_CMC_MD2.ID00896.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00897.3p-miR	TJU_CMC_MD2.ID00897.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00898.3p-miR	TJU_CMC_MD2.ID00898.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00898.5p-miR	TJU_CMC_MD2.ID00898.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00899.5p-miR	TJU_CMC_MD2.ID00899.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00900.5p-miR	TJU_CMC_MD2.ID00900.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00901.3p-miR	TJU_CMC_MD2.ID00901.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00902.5p-miR	TJU_CMC_MD2.ID00902.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00903.5p-miR	TJU_CMC_MD2.ID00903.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00904.3p-miR	TJU_CMC_MD2.ID00904.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00905.3p-miR	TJU_CMC_MD2.ID00905.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00906.3p-miR	TJU_CMC_MD2.ID00906.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00907.5p-miR	TJU_CMC_MD2.ID00907.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00908.5p-miR	TJU_CMC_MD2.ID00908.hairpin	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID00909.3p-miR	TJU_CMC_MD2.ID00909.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00910.3p-miR	TJU_CMC_MD2.ID00910.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00911.5p-miR	TJU_CMC_MD2.ID00911.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00912.5p-miR	TJU_CMC_MD2.ID00912.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00913.5p-miR	TJU_CMC_MD2.ID00913.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00914.3p-miR	TJU_CMC_MD2.ID00914.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00915.3p-miR	TJU_CMC_MD2.ID00915.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00916.5p-miR	TJU_CMC_MD2.ID00916.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00917.5p-miR	TJU_CMC_MD2.ID00917.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00918.5p-miR	TJU_CMC_MD2.ID00918.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00919.3p-miR	TJU_CMC_MD2.ID00919.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00919.5p-miR	TJU_CMC_MD2.ID00919.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00920.5p-miR	TJU_CMC_MD2.ID00920.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00921.3p-miR	TJU_CMC_MD2.ID00921.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00922.3p-miR	TJU_CMC_MD2.ID00922.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00923.3p-miR	TJU_CMC_MD2.ID00923.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00924.3p-miR	TJU_CMC_MD2.ID00924.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00925.5p-miR	TJU_CMC_MD2.ID00925.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00926.5p-miR	TJU_CMC_MD2.ID00926.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00927.3p-miR	TJU_CMC_MD2.ID00927.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00928.3p-miR	TJU_CMC_MD2.ID00928.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00928.5p-miR	TJU_CMC_MD2.ID00928.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00929.5p-miR	TJU_CMC_MD2.ID00929.hairpin	YES	NO	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00930.3p-miR	TJU_CMC_MD2.ID00930.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00931.3p-miR	TJU_CMC_MD2.ID00931.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00932.3p-miR	TJU_CMC_MD2.ID00932.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00933.3p-miR	TJU_CMC_MD2.ID00933.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00934.3p-miR	TJU_CMC_MD2.ID00934.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00935.5p-miR	TJU_CMC_MD2.ID00935.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00936.5p-miR	TJU_CMC_MD2.ID00936.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00937.5p-miR	TJU_CMC_MD2.ID00937.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00938.5p-miR	TJU_CMC_MD2.ID00938.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00939.5p-miR	TJU_CMC_MD2.ID00939.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00940.3p-miR	TJU_CMC_MD2.ID00940.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00941.3p-miR	TJU_CMC_MD2.ID00941.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00942.3p-miR	TJU_CMC_MD2.ID00942.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00942.5p-miR	TJU_CMC_MD2.ID00942.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00943.3p-miR	TJU_CMC_MD2.ID00943.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00944.5p-miR	TJU_CMC_MD2.ID00944.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00945.3p-miR	TJU_CMC_MD2.ID00945.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00946.5p-miR	TJU_CMC_MD2.ID00946.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00947.3p-miR	TJU_CMC_MD2.ID00947.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00948.5p-miR	TJU_CMC_MD2.ID00948.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00949.3p-miR	TJU_CMC_MD2.ID00949.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00950.3p-miR	TJU_CMC_MD2.ID00950.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00951.5p-miR	TJU_CMC_MD2.ID00951.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00952.5p-miR	TJU_CMC_MD2.ID00952.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00953.5p-miR	TJU_CMC_MD2.ID00953.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00954.3p-miR	TJU_CMC_MD2.ID00954.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00955.3p-miR	TJU_CMC_MD2.ID00955.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00956.5p-miR	TJU_CMC_MD2.ID00956.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00957.5p-miR	TJU_CMC_MD2.ID00957.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00958.3p-miR	TJU_CMC_MD2.ID00958.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00959.3p-miR	TJU_CMC_MD2.ID00959.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00960.5p-miR	TJU_CMC_MD2.ID00960.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00961.3p-miR	TJU_CMC_MD2.ID00961.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00962.3p-miR	TJU_CMC_MD2.ID00962.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00963.3p-miR	TJU_CMC_MD2.ID00963.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00964.5p-miR	TJU_CMC_MD2.ID00964.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00965.3p-miR	TJU_CMC_MD2.ID00965.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00966.5p-miR	TJU_CMC_MD2.ID00966.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00967.5p-miR	TJU_CMC_MD2.ID00967.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00968.3p-miR	TJU_CMC_MD2.ID00968.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00969.3p-miR	TJU_CMC_MD2.ID00969.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00970.3p-miR	TJU_CMC_MD2.ID00970.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00971.3p-miR	TJU_CMC_MD2.ID00971.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00971.5p-miR	TJU_CMC_MD2.ID00971.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00972.5p-miR	TJU_CMC_MD2.ID00972.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00973.3p-miR	TJU_CMC_MD2.ID00973.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00974.3p-miR	TJU_CMC_MD2.ID00974.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00975.5p-miR	TJU_CMC_MD2.ID00975.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00976.3p-miR	TJU_CMC_MD2.ID00976.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID00977.3p-miR	TJU_CMC_MD2.ID00977.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00978.5p-miR	TJU_CMC_MD2.ID00978.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00979.5p-miR	TJU_CMC_MD2.ID00979.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00980.3p-miR	TJU_CMC_MD2.ID00980.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00981.3p-miR	TJU_CMC_MD2.ID00981.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00982.3p-miR	TJU_CMC_MD2.ID00982.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00983.3p-miR	TJU_CMC_MD2.ID00983.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00984.5p-miR	TJU_CMC_MD2.ID00984.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00985.3p-miR	TJU_CMC_MD2.ID00985.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00986.5p-miR	TJU_CMC_MD2.ID00986.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00987.3p-miR	TJU_CMC_MD2.ID00987.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00988.3p-miR	TJU_CMC_MD2.ID00988.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00989.5p-miR	TJU_CMC_MD2.ID00989.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00990.5p-miR	TJU_CMC_MD2.ID00990.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID00991.5p-miR	TJU_CMC_MD2.ID00991.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID00992.5p-miR	TJU_CMC_MD2.ID00992.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00993.5p-miR	TJU_CMC_MD2.ID00993.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID00994.3p-miR	TJU_CMC_MD2.ID00994.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00995.5p-miR	TJU_CMC_MD2.ID00995.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00996.5p-miR	TJU_CMC_MD2.ID00996.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID00997.3p-miR	TJU_CMC_MD2.ID00997.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00998.3p-miR	TJU_CMC_MD2.ID00998.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID00999.3p-miR	TJU_CMC_MD2.ID00999.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01000.3p-miR	TJU_CMC_MD2.ID01000.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01001.3p-miR	TJU_CMC_MD2.ID01001.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01002.3p-miR	TJU_CMC_MD2.ID01002.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01003.3p-miR	TJU_CMC_MD2.ID01003.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01004.3p-miR	TJU_CMC_MD2.ID01004.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01005.5p-miR	TJU_CMC_MD2.ID01005.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01006.3p-miR	TJU_CMC_MD2.ID01006.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01007.5p-miR	TJU_CMC_MD2.ID01007.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01008.3p-miR	TJU_CMC_MD2.ID01008.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01009.5p-miR	TJU_CMC_MD2.ID01009.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01010.5p-miR	TJU_CMC_MD2.ID01010.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01011.5p-miR	TJU_CMC_MD2.ID01011.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01012.3p-miR	TJU_CMC_MD2.ID01012.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01013.3p-miR	TJU_CMC_MD2.ID01013.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01014.3p-miR	TJU_CMC_MD2.ID01014.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01015.3p-miR	TJU_CMC_MD2.ID01015.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01016.5p-miR	TJU_CMC_MD2.ID01016.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01017.3p-miR	TJU_CMC_MD2.ID01017.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01018.3p-miR	TJU_CMC_MD2.ID01018.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01019.3p-miR	TJU_CMC_MD2.ID01019.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01020.5p-miR	TJU_CMC_MD2.ID01020.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01021.3p-miR	TJU_CMC_MD2.ID01021.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01022.5p-miR	TJU_CMC_MD2.ID01022.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01023.3p-miR	TJU_CMC_MD2.ID01023.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01023.5p-miR	TJU_CMC_MD2.ID01023.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01024.5p-miR	TJU_CMC_MD2.ID01024.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01025.3p-miR	TJU_CMC_MD2.ID01025.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01025.5p-miR	TJU_CMC_MD2.ID01025.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01026.3p-miR	TJU_CMC_MD2.ID01026.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01027.5p-miR	TJU_CMC_MD2.ID01027.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01028.3p-miR	TJU_CMC_MD2.ID01028.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01028.5p-miR	TJU_CMC_MD2.ID01028.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01029.5p-miR	TJU_CMC_MD2.ID01029.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01030.3p-miR	TJU_CMC_MD2.ID01030.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01031.5p-miR	TJU_CMC_MD2.ID01031.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01032.3p-miR	TJU_CMC_MD2.ID01032.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01033.5p-miR	TJU_CMC_MD2.ID01033.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID01034.5p-miR	TJU_CMC_MD2.ID01034.hairpin	YES	NO	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01035.3p-miR	TJU_CMC_MD2.ID01035.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01036.3p-miR	TJU_CMC_MD2.ID01036.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01037.5p-miR	TJU_CMC_MD2.ID01037.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01038.3p-miR	TJU_CMC_MD2.ID01038.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01038.5p-miR	TJU_CMC_MD2.ID01038.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01039.5p-miR	TJU_CMC_MD2.ID01039.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01040.5p-miR	TJU_CMC_MD2.ID01040.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01041.5p-miR	TJU_CMC_MD2.ID01041.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01042.5p-miR	TJU_CMC_MD2.ID01042.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01043.5p-miR	TJU_CMC_MD2.ID01043.hairpin	YES	YES	NO	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01044.5p-miR	TJU_CMC_MD2.ID01044.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01045.5p-miR	TJU_CMC_MD2.ID01045.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01046.3p-miR	TJU_CMC_MD2.ID01046.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01046.5p-miR	TJU_CMC_MD2.ID01046.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01047.3p-miR	TJU_CMC_MD2.ID01047.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01048.5p-miR	TJU_CMC_MD2.ID01048.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01049.5p-miR	TJU_CMC_MD2.ID01049.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01050.3p-miR	TJU_CMC_MD2.ID01050.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01051.5p-miR	TJU_CMC_MD2.ID01051.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01052.3p-miR	TJU_CMC_MD2.ID01052.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01053.3p-miR	TJU_CMC_MD2.ID01053.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01054.5p-miR	TJU_CMC_MD2.ID01054.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01055.3p-miR	TJU_CMC_MD2.ID01055.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01056.5p-miR	TJU_CMC_MD2.ID01056.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01057.5p-miR	TJU_CMC_MD2.ID01057.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01058.5p-miR	TJU_CMC_MD2.ID01058.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01059.3p-miR	TJU_CMC_MD2.ID01059.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01060.3p-miR	TJU_CMC_MD2.ID01060.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01061.5p-miR	TJU_CMC_MD2.ID01061.hairpin	YES	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01062.3p-miR	TJU_CMC_MD2.ID01062.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01063.5p-miR	TJU_CMC_MD2.ID01063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01064.5p-miR	TJU_CMC_MD2.ID01064.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01065.5p-miR	TJU_CMC_MD2.ID01065.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01066.3p-miR	TJU_CMC_MD2.ID01066.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01067.5p-miR	TJU_CMC_MD2.ID01067.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01068.3p-miR	TJU_CMC_MD2.ID01068.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01069.3p-miR	TJU_CMC_MD2.ID01069.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01070.3p-miR	TJU_CMC_MD2.ID01070.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01071.5p-miR	TJU_CMC_MD2.ID01071.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01072.5p-miR	TJU_CMC_MD2.ID01072.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01073.3p-miR	TJU_CMC_MD2.ID01073.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01074.3p-miR	TJU_CMC_MD2.ID01074.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01075.3p-miR	TJU_CMC_MD2.ID01075.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01076.5p-miR	TJU_CMC_MD2.ID01076.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01077.3p-miR	TJU_CMC_MD2.ID01077.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01078.3p-miR	TJU_CMC_MD2.ID01078.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01079.5p-miR	TJU_CMC_MD2.ID01079.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01080.3p-miR	TJU_CMC_MD2.ID01080.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01081.3p-miR	TJU_CMC_MD2.ID01081.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01082.3p-miR	TJU_CMC_MD2.ID01082.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01083.3p-miR	TJU_CMC_MD2.ID01083.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01084.3p-miR	TJU_CMC_MD2.ID01084.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01085.3p-miR	TJU_CMC_MD2.ID01085.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01086.3p-miR	TJU_CMC_MD2.ID01086.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01087.3p-miR	TJU_CMC_MD2.ID01087.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01088.3p-miR	TJU_CMC_MD2.ID01088.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01089.3p-miR	TJU_CMC_MD2.ID01089.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01090.3p-miR	TJU_CMC_MD2.ID01090.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01091.3p-miR	TJU_CMC_MD2.ID01091.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01092.5p-miR	TJU_CMC_MD2.ID01092.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01093.5p-miR	TJU_CMC_MD2.ID01093.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01094.3p-miR	TJU_CMC_MD2.ID01094.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01095.5p-miR	TJU_CMC_MD2.ID01095.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01096.3p-miR	TJU_CMC_MD2.ID01096.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01097.3p-miR	TJU_CMC_MD2.ID01097.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01098.3p-miR	TJU_CMC_MD2.ID01098.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01099.5p-miR	TJU_CMC_MD2.ID01099.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01100.5p-miR	TJU_CMC_MD2.ID01100.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01101.3p-miR	TJU_CMC_MD2.ID01101.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01102.5p-miR	TJU_CMC_MD2.ID01102.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01103.3p-miR	TJU_CMC_MD2.ID01103.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01104.3p-miR	TJU_CMC_MD2.ID01104.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01104.5p-miR	TJU_CMC_MD2.ID01104.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01105.5p-miR	TJU_CMC_MD2.ID01105.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01106.5p-miR	TJU_CMC_MD2.ID01106.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01107.3p-miR	TJU_CMC_MD2.ID01107.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01108.3p-miR	TJU_CMC_MD2.ID01108.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01109.5p-miR	TJU_CMC_MD2.ID01109.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01110.3p-miR	TJU_CMC_MD2.ID01110.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01111.3p-miR	TJU_CMC_MD2.ID01111.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01112.3p-miR	TJU_CMC_MD2.ID01112.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01113.3p-miR	TJU_CMC_MD2.ID01113.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01114.3p-miR	TJU_CMC_MD2.ID01114.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01115.3p-miR	TJU_CMC_MD2.ID01115.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01116.3p-miR	TJU_CMC_MD2.ID01116.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01117.5p-miR	TJU_CMC_MD2.ID01117.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01118.3p-miR	TJU_CMC_MD2.ID01118.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01119.3p-miR	TJU_CMC_MD2.ID01119.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01120.5p-miR	TJU_CMC_MD2.ID01120.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01121.5p-miR	TJU_CMC_MD2.ID01121.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01122.5p-miR	TJU_CMC_MD2.ID01122.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01123.3p-miR	TJU_CMC_MD2.ID01123.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01124.3p-miR	TJU_CMC_MD2.ID01124.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01125.3p-miR	TJU_CMC_MD2.ID01125.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01126.3p-miR	TJU_CMC_MD2.ID01126.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01127.3p-miR	TJU_CMC_MD2.ID01127.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01128.5p-miR	TJU_CMC_MD2.ID01128.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01129.5p-miR	TJU_CMC_MD2.ID01129.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01130.5p-miR	TJU_CMC_MD2.ID01130.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01131.5p-miR	TJU_CMC_MD2.ID01131.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01132.3p-miR	TJU_CMC_MD2.ID01132.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01133.3p-miR	TJU_CMC_MD2.ID01133.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01134.3p-miR	TJU_CMC_MD2.ID01134.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01135.5p-miR	TJU_CMC_MD2.ID01135.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01136.3p-miR	TJU_CMC_MD2.ID01136.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01137.5p-miR	TJU_CMC_MD2.ID01137.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01138.3p-miR	TJU_CMC_MD2.ID01138.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01139.3p-miR	TJU_CMC_MD2.ID01139.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01140.3p-miR	TJU_CMC_MD2.ID01140.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01141.5p-miR	TJU_CMC_MD2.ID01141.hairpin	YES	YES	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01142.3p-miR	TJU_CMC_MD2.ID01142.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01143.3p-miR	TJU_CMC_MD2.ID01143.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01144.3p-miR	TJU_CMC_MD2.ID01144.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01145.3p-miR	TJU_CMC_MD2.ID01145.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01145.5p-miR	TJU_CMC_MD2.ID01145.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01146.5p-miR	TJU_CMC_MD2.ID01146.hairpin	YES	YES	NO	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID01147.3p-miR	TJU_CMC_MD2.ID01147.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01148.5p-miR	TJU_CMC_MD2.ID01148.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01149.3p-miR	TJU_CMC_MD2.ID01149.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01150.3p-miR	TJU_CMC_MD2.ID01150.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01151.3p-miR	TJU_CMC_MD2.ID01151.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01152.3p-miR	TJU_CMC_MD2.ID01152.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01153.3p-miR	TJU_CMC_MD2.ID01153.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01154.5p-miR	TJU_CMC_MD2.ID01154.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01155.5p-miR	TJU_CMC_MD2.ID01155.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01156.3p-miR	TJU_CMC_MD2.ID01156.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01157.5p-miR	TJU_CMC_MD2.ID01157.hairpin	YES	YES	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01158.3p-miR	TJU_CMC_MD2.ID01158.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01159.5p-miR	TJU_CMC_MD2.ID01159.hairpin	YES	NO	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01160.3p-miR	TJU_CMC_MD2.ID01160.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01161.5p-miR	TJU_CMC_MD2.ID01161.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01162.3p-miR	TJU_CMC_MD2.ID01162.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01163.3p-miR	TJU_CMC_MD2.ID01163.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01164.3p-miR	TJU_CMC_MD2.ID01164.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01165.3p-miR	TJU_CMC_MD2.ID01165.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01166.3p-miR	TJU_CMC_MD2.ID01166.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01167.3p-miR	TJU_CMC_MD2.ID01167.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01167.5p-miR	TJU_CMC_MD2.ID01167.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01168.5p-miR	TJU_CMC_MD2.ID01168.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01169.5p-miR	TJU_CMC_MD2.ID01169.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01170.3p-miR	TJU_CMC_MD2.ID01170.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01171.3p-miR	TJU_CMC_MD2.ID01171.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01172.3p-miR	TJU_CMC_MD2.ID01172.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01173.3p-miR	TJU_CMC_MD2.ID01173.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01174.5p-miR	TJU_CMC_MD2.ID01174.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01175.3p-miR	TJU_CMC_MD2.ID01175.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01176.5p-miR	TJU_CMC_MD2.ID01176.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01177.5p-miR	TJU_CMC_MD2.ID01177.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01178.5p-miR	TJU_CMC_MD2.ID01178.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01179.3p-miR	TJU_CMC_MD2.ID01179.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01180.3p-miR	TJU_CMC_MD2.ID01180.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01181.3p-miR	TJU_CMC_MD2.ID01181.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01181.5p-miR	TJU_CMC_MD2.ID01181.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01182.5p-miR	TJU_CMC_MD2.ID01182.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01183.3p-miR	TJU_CMC_MD2.ID01183.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01184.3p-miR	TJU_CMC_MD2.ID01184.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01185.3p-miR	TJU_CMC_MD2.ID01185.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01186.3p-miR	TJU_CMC_MD2.ID01186.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01187.3p-miR	TJU_CMC_MD2.ID01187.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01188.3p-miR	TJU_CMC_MD2.ID01188.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01188.5p-miR	TJU_CMC_MD2.ID01188.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01189.5p-miR	TJU_CMC_MD2.ID01189.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01190.5p-miR	TJU_CMC_MD2.ID01190.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01191.5p-miR	TJU_CMC_MD2.ID01191.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01192.5p-miR	TJU_CMC_MD2.ID01192.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01193.3p-miR	TJU_CMC_MD2.ID01193.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01194.3p-miR	TJU_CMC_MD2.ID01194.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01194.5p-miR	TJU_CMC_MD2.ID01194.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01195.3p-miR	TJU_CMC_MD2.ID01195.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01196.3p-miR	TJU_CMC_MD2.ID01196.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01197.3p-miR	TJU_CMC_MD2.ID01197.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01198.3p-miR	TJU_CMC_MD2.ID01198.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01198.5p-miR	TJU_CMC_MD2.ID01198.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01199.5p-miR	TJU_CMC_MD2.ID01199.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01200.3p-miR	TJU_CMC_MD2.ID01200.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01201.5p-miR	TJU_CMC_MD2.ID01201.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01202.5p-miR	TJU_CMC_MD2.ID01202.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01203.3p-miR	TJU_CMC_MD2.ID01203.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01204.3p-miR	TJU_CMC_MD2.ID01204.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01205.5p-miR	TJU_CMC_MD2.ID01205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01206.3p-miR	TJU_CMC_MD2.ID01206.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01207.3p-miR	TJU_CMC_MD2.ID01207.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01208.3p-miR	TJU_CMC_MD2.ID01208.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01208.5p-miR	TJU_CMC_MD2.ID01208.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01209.3p-miR	TJU_CMC_MD2.ID01209.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01210.3p-miR	TJU_CMC_MD2.ID01210.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01211.3p-miR	TJU_CMC_MD2.ID01211.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01212.5p-miR	TJU_CMC_MD2.ID01212.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01213.5p-miR	TJU_CMC_MD2.ID01213.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01214.5p-miR	TJU_CMC_MD2.ID01214.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01215.5p-miR	TJU_CMC_MD2.ID01215.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01216.3p-miR	TJU_CMC_MD2.ID01216.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01217.5p-miR	TJU_CMC_MD2.ID01217.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01218.3p-miR	TJU_CMC_MD2.ID01218.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01219.3p-miR	TJU_CMC_MD2.ID01219.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01220.5p-miR	TJU_CMC_MD2.ID01220.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01221.3p-miR	TJU_CMC_MD2.ID01221.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01222.3p-miR	TJU_CMC_MD2.ID01222.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01223.5p-miR	TJU_CMC_MD2.ID01223.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01224.5p-miR	TJU_CMC_MD2.ID01224.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01225.3p-miR	TJU_CMC_MD2.ID01225.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01226.5p-miR	TJU_CMC_MD2.ID01226.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01227.5p-miR	TJU_CMC_MD2.ID01227.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01228.3p-miR	TJU_CMC_MD2.ID01228.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01229.3p-miR	TJU_CMC_MD2.ID01229.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01230.3p-miR	TJU_CMC_MD2.ID01230.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01231.3p-miR	TJU_CMC_MD2.ID01231.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01232.3p-miR	TJU_CMC_MD2.ID01232.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01233.3p-miR	TJU_CMC_MD2.ID01233.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01234.3p-miR	TJU_CMC_MD2.ID01234.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01235.3p-miR	TJU_CMC_MD2.ID01235.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01236.5p-miR	TJU_CMC_MD2.ID01236.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01237.3p-miR	TJU_CMC_MD2.ID01237.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01238.5p-miR	TJU_CMC_MD2.ID01238.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01239.3p-miR	TJU_CMC_MD2.ID01239.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01240.5p-miR	TJU_CMC_MD2.ID01240.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01241.3p-miR	TJU_CMC_MD2.ID01241.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01242.3p-miR	TJU_CMC_MD2.ID01242.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01243.3p-miR	TJU_CMC_MD2.ID01243.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01244.3p-miR	TJU_CMC_MD2.ID01244.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01245.3p-miR	TJU_CMC_MD2.ID01245.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01246.3p-miR	TJU_CMC_MD2.ID01246.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01247.3p-miR	TJU_CMC_MD2.ID01247.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01248.3p-miR	TJU_CMC_MD2.ID01248.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01249.5p-miR	TJU_CMC_MD2.ID01249.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01250.3p-miR	TJU_CMC_MD2.ID01250.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01250.5p-miR	TJU_CMC_MD2.ID01250.hairpin	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01251.3p-miR	TJU_CMC_MD2.ID01251.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01252.3p-miR	TJU_CMC_MD2.ID01252.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01253.3p-miR	TJU_CMC_MD2.ID01253.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01254.5p-miR	TJU_CMC_MD2.ID01254.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01255.5p-miR	TJU_CMC_MD2.ID01255.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01256.3p-miR	TJU_CMC_MD2.ID01256.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01257.3p-miR	TJU_CMC_MD2.ID01257.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01258.3p-miR	TJU_CMC_MD2.ID01258.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01259.3p-miR	TJU_CMC_MD2.ID01259.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01260.3p-miR	TJU_CMC_MD2.ID01260.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01261.5p-miR	TJU_CMC_MD2.ID01261.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01262.3p-miR	TJU_CMC_MD2.ID01262.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01263.5p-miR	TJU_CMC_MD2.ID01263.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01264.3p-miR	TJU_CMC_MD2.ID01264.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01265.3p-miR	TJU_CMC_MD2.ID01265.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01266.3p-miR	TJU_CMC_MD2.ID01266.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01267.3p-miR	TJU_CMC_MD2.ID01267.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01268.3p-miR	TJU_CMC_MD2.ID01268.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01269.3p-miR	TJU_CMC_MD2.ID01269.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01270.3p-miR	TJU_CMC_MD2.ID01270.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01271.3p-miR	TJU_CMC_MD2.ID01271.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01272.3p-miR	TJU_CMC_MD2.ID01272.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01273.3p-miR	TJU_CMC_MD2.ID01273.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01273.5p-miR	TJU_CMC_MD2.ID01273.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01274.5p-miR	TJU_CMC_MD2.ID01274.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01275.5p-miR	TJU_CMC_MD2.ID01275.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01276.5p-miR	TJU_CMC_MD2.ID01276.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01277.5p-miR	TJU_CMC_MD2.ID01277.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01278.3p-miR	TJU_CMC_MD2.ID01278.hairpin	YES	NO	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01278.5p-miR	TJU_CMC_MD2.ID01278.hairpin	YES	NO	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01279.5p-miR	TJU_CMC_MD2.ID01279.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01280.3p-miR	TJU_CMC_MD2.ID01280.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01281.3p-miR	TJU_CMC_MD2.ID01281.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01282.3p-miR	TJU_CMC_MD2.ID01282.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01283.3p-miR	TJU_CMC_MD2.ID01283.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01284.3p-miR	TJU_CMC_MD2.ID01284.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01285.3p-miR	TJU_CMC_MD2.ID01285.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01286.3p-miR	TJU_CMC_MD2.ID01286.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01287.5p-miR	TJU_CMC_MD2.ID01287.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01288.3p-miR	TJU_CMC_MD2.ID01288.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01289.5p-miR	TJU_CMC_MD2.ID01289.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01290.3p-miR	TJU_CMC_MD2.ID01290.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01291.3p-miR	TJU_CMC_MD2.ID01291.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01292.5p-miR	TJU_CMC_MD2.ID01292.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01293.5p-miR	TJU_CMC_MD2.ID01293.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01294.3p-miR	TJU_CMC_MD2.ID01294.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01295.3p-miR	TJU_CMC_MD2.ID01295.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01296.5p-miR	TJU_CMC_MD2.ID01296.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01297.5p-miR	TJU_CMC_MD2.ID01297.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01298.5p-miR	TJU_CMC_MD2.ID01298.hairpin	YES	NO	YES	NO	YES	YES	NO	NO
TJU_CMC_MD2.ID01299.3p-miR	TJU_CMC_MD2.ID01299.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01300.3p-miR	TJU_CMC_MD2.ID01300.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01301.3p-miR	TJU_CMC_MD2.ID01301.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01302.5p-miR	TJU_CMC_MD2.ID01302.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01303.5p-miR	TJU_CMC_MD2.ID01303.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01304.5p-miR	TJU_CMC_MD2.ID01304.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01305.3p-miR	TJU_CMC_MD2.ID01305.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01306.5p-miR	TJU_CMC_MD2.ID01306.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01307.3p-miR	TJU_CMC_MD2.ID01307.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01308.3p-miR	TJU_CMC_MD2.ID01308.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01309.3p-miR	TJU_CMC_MD2.ID01309.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01310.3p-miR	TJU_CMC_MD2.ID01310.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01310.5p-miR	TJU_CMC_MD2.ID01310.hairpin	YES	NO	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01311.3p-miR	TJU_CMC_MD2.ID01311.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01312.5p-miR	TJU_CMC_MD2.ID01312.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01313.3p-miR	TJU_CMC_MD2.ID01313.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01314.5p-miR	TJU_CMC_MD2.ID01314.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01315.3p-miR	TJU_CMC_MD2.ID01315.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01316.5p-miR	TJU_CMC_MD2.ID01316.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID01317.5p-miR	TJU_CMC_MD2.ID01317.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01318.3p-miR	TJU_CMC_MD2.ID01318.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01319.5p-miR	TJU_CMC_MD2.ID01319.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01320.3p-miR	TJU_CMC_MD2.ID01320.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01321.5p-miR	TJU_CMC_MD2.ID01321.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01322.3p-miR	TJU_CMC_MD2.ID01322.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01322.5p-miR	TJU_CMC_MD2.ID01322.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01323.3p-miR	TJU_CMC_MD2.ID01323.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01324.5p-miR	TJU_CMC_MD2.ID01324.hairpin	YES	NO	NO	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID01325.3p-miR	TJU_CMC_MD2.ID01325.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01326.3p-miR	TJU_CMC_MD2.ID01326.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01326.5p-miR	TJU_CMC_MD2.ID01326.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01327.3p-miR	TJU_CMC_MD2.ID01327.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01328.3p-miR	TJU_CMC_MD2.ID01328.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01329.3p-miR	TJU_CMC_MD2.ID01329.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01330.3p-miR	TJU_CMC_MD2.ID01330.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01331.3p-miR	TJU_CMC_MD2.ID01331.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01332.3p-miR	TJU_CMC_MD2.ID01332.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01333.3p-miR	TJU_CMC_MD2.ID01333.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01334.3p-miR	TJU_CMC_MD2.ID01334.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01334.5p-miR	TJU_CMC_MD2.ID01334.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01335.3p-miR	TJU_CMC_MD2.ID01335.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01336.3p-miR	TJU_CMC_MD2.ID01336.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01337.3p-miR	TJU_CMC_MD2.ID01337.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01338.5p-miR	TJU_CMC_MD2.ID01338.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01339.5p-miR	TJU_CMC_MD2.ID01339.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01340.5p-miR	TJU_CMC_MD2.ID01340.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01341.5p-miR	TJU_CMC_MD2.ID01341.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01342.5p-miR	TJU_CMC_MD2.ID01342.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01343.5p-miR	TJU_CMC_MD2.ID01343.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01344.3p-miR	TJU_CMC_MD2.ID01344.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01345.3p-miR	TJU_CMC_MD2.ID01345.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01346.3p-miR	TJU_CMC_MD2.ID01346.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01347.3p-miR	TJU_CMC_MD2.ID01347.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01348.3p-miR	TJU_CMC_MD2.ID01348.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01349.3p-miR	TJU_CMC_MD2.ID01349.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01349.5p-miR	TJU_CMC_MD2.ID01349.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01350.3p-miR	TJU_CMC_MD2.ID01350.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01351.3p-miR	TJU_CMC_MD2.ID01351.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01351.5p-miR	TJU_CMC_MD2.ID01351.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01352.3p-miR	TJU_CMC_MD2.ID01352.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01353.3p-miR	TJU_CMC_MD2.ID01353.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01354.3p-miR	TJU_CMC_MD2.ID01354.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01355.3p-miR	TJU_CMC_MD2.ID01355.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01356.3p-miR	TJU_CMC_MD2.ID01356.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01357.5p-miR	TJU_CMC_MD2.ID01357.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01358.5p-miR	TJU_CMC_MD2.ID01358.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01359.5p-miR	TJU_CMC_MD2.ID01359.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01360.3p-miR	TJU_CMC_MD2.ID01360.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01361.5p-miR	TJU_CMC_MD2.ID01361.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01362.5p-miR	TJU_CMC_MD2.ID01362.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01363.3p-miR	TJU_CMC_MD2.ID01363.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01364.3p-miR	TJU_CMC_MD2.ID01364.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01365.3p-miR	TJU_CMC_MD2.ID01365.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01366.5p-miR	TJU_CMC_MD2.ID01366.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01367.5p-miR	TJU_CMC_MD2.ID01367.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01368.3p-miR	TJU_CMC_MD2.ID01368.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01369.3p-miR	TJU_CMC_MD2.ID01369.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01370.5p-miR	TJU_CMC_MD2.ID01370.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01371.3p-miR	TJU_CMC_MD2.ID01371.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01371.5p-miR	TJU_CMC_MD2.ID01371.hairpin	YES	NO	NO	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01372.3p-miR	TJU_CMC_MD2.ID01372.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01373.3p-miR	TJU_CMC_MD2.ID01373.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01374.3p-miR	TJU_CMC_MD2.ID01374.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01375.5p-miR	TJU_CMC_MD2.ID01375.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01376.5p-miR	TJU_CMC_MD2.ID01376.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01377.3p-miR	TJU_CMC_MD2.ID01377.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01378.5p-miR	TJU_CMC_MD2.ID01378.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01379.3p-miR	TJU_CMC_MD2.ID01379.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01380.3p-miR	TJU_CMC_MD2.ID01380.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01381.3p-miR	TJU_CMC_MD2.ID01381.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01382.3p-miR	TJU_CMC_MD2.ID01382.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01383.3p-miR	TJU_CMC_MD2.ID01383.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01384.5p-miR	TJU_CMC_MD2.ID01384.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01385.5p-miR	TJU_CMC_MD2.ID01385.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01386.5p-miR	TJU_CMC_MD2.ID01386.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01387.3p-miR	TJU_CMC_MD2.ID01387.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01388.5p-miR	TJU_CMC_MD2.ID01388.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01389.5p-miR	TJU_CMC_MD2.ID01389.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01390.3p-miR	TJU_CMC_MD2.ID01390.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01391.3p-miR	TJU_CMC_MD2.ID01391.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01392.3p-miR	TJU_CMC_MD2.ID01392.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01393.3p-miR	TJU_CMC_MD2.ID01393.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01394.5p-miR	TJU_CMC_MD2.ID01394.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01395.5p-miR	TJU_CMC_MD2.ID01395.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01396.3p-miR	TJU_CMC_MD2.ID01396.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01397.5p-miR	TJU_CMC_MD2.ID01397.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01398.3p-miR	TJU_CMC_MD2.ID01398.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01399.3p-miR	TJU_CMC_MD2.ID01399.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01400.3p-miR	TJU_CMC_MD2.ID01400.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01401.3p-miR	TJU_CMC_MD2.ID01401.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01402.5p-miR	TJU_CMC_MD2.ID01402.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01403.5p-miR	TJU_CMC_MD2.ID01403.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01404.5p-miR	TJU_CMC_MD2.ID01404.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01405.5p-miR	TJU_CMC_MD2.ID01405.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01406.5p-miR	TJU_CMC_MD2.ID01406.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01407.3p-miR	TJU_CMC_MD2.ID01407.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01408.3p-miR	TJU_CMC_MD2.ID01408.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01408.5p-miR	TJU_CMC_MD2.ID01408.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01409.3p-miR	TJU_CMC_MD2.ID01409.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01410.5p-miR	TJU_CMC_MD2.ID01410.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01411.3p-miR	TJU_CMC_MD2.ID01411.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01412.5p-miR	TJU_CMC_MD2.ID01412.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01413.3p-miR	TJU_CMC_MD2.ID01413.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01414.3p-miR	TJU_CMC_MD2.ID01414.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01415.3p-miR	TJU_CMC_MD2.ID01415.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01415.5p-miR	TJU_CMC_MD2.ID01415.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01416.3p-miR	TJU_CMC_MD2.ID01416.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01417.3p-miR	TJU_CMC_MD2.ID01417.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01418.3p-miR	TJU_CMC_MD2.ID01418.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01419.3p-miR	TJU_CMC_MD2.ID01419.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01420.3p-miR	TJU_CMC_MD2.ID01420.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01421.3p-miR	TJU_CMC_MD2.ID01421.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01422.3p-miR	TJU_CMC_MD2.ID01422.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01423.3p-miR	TJU_CMC_MD2.ID01423.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01424.5p-miR	TJU_CMC_MD2.ID01424.hairpin	YES	YES	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01425.3p-miR	TJU_CMC_MD2.ID01425.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01426.5p-miR	TJU_CMC_MD2.ID01426.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01427.3p-miR	TJU_CMC_MD2.ID01427.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01428.3p-miR	TJU_CMC_MD2.ID01428.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01429.5p-miR	TJU_CMC_MD2.ID01429.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01430.3p-miR	TJU_CMC_MD2.ID01430.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01431.3p-miR	TJU_CMC_MD2.ID01431.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01432.3p-miR	TJU_CMC_MD2.ID01432.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01433.5p-miR	TJU_CMC_MD2.ID01433.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01434.5p-miR	TJU_CMC_MD2.ID01434.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01435.3p-miR	TJU_CMC_MD2.ID01435.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01436.3p-miR	TJU_CMC_MD2.ID01436.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01436.5p-miR	TJU_CMC_MD2.ID01436.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01437.5p-miR	TJU_CMC_MD2.ID01437.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01438.3p-miR	TJU_CMC_MD2.ID01438.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01439.3p-miR	TJU_CMC_MD2.ID01439.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01440.3p-miR	TJU_CMC_MD2.ID01440.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01441.5p-miR	TJU_CMC_MD2.ID01441.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01442.3p-miR	TJU_CMC_MD2.ID01442.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01443.3p-miR	TJU_CMC_MD2.ID01443.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01444.5p-miR	TJU_CMC_MD2.ID01444.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01445.3p-miR	TJU_CMC_MD2.ID01445.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01446.5p-miR	TJU_CMC_MD2.ID01446.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01447.5p-miR	TJU_CMC_MD2.ID01447.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01448.5p-miR	TJU_CMC_MD2.ID01448.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01449.3p-miR	TJU_CMC_MD2.ID01449.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01450.5p-miR	TJU_CMC_MD2.ID01450.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01451.3p-miR	TJU_CMC_MD2.ID01451.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01452.3p-miR	TJU_CMC_MD2.ID01452.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01453.3p-miR	TJU_CMC_MD2.ID01453.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01454.3p-miR	TJU_CMC_MD2.ID01454.hairpin	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01455.5p-miR	TJU_CMC_MD2.ID01455.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01456.3p-miR	TJU_CMC_MD2.ID01456.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01457.3p-miR	TJU_CMC_MD2.ID01457.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01458.5p-miR	TJU_CMC_MD2.ID01458.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01459.3p-miR	TJU_CMC_MD2.ID01459.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01460.3p-miR	TJU_CMC_MD2.ID01460.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01461.3p-miR	TJU_CMC_MD2.ID01461.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01462.3p-miR	TJU_CMC_MD2.ID01462.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01463.3p-miR	TJU_CMC_MD2.ID01463.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01464.5p-miR	TJU_CMC_MD2.ID01464.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01465.5p-miR	TJU_CMC_MD2.ID01465.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01466.3p-miR	TJU_CMC_MD2.ID01466.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01467.3p-miR	TJU_CMC_MD2.ID01467.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01468.3p-miR	TJU_CMC_MD2.ID01468.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01469.5p-miR	TJU_CMC_MD2.ID01469.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01470.3p-miR	TJU_CMC_MD2.ID01470.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01471.5p-miR	TJU_CMC_MD2.ID01471.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01472.3p-miR	TJU_CMC_MD2.ID01472.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01473.3p-miR	TJU_CMC_MD2.ID01473.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01474.3p-miR	TJU_CMC_MD2.ID01474.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01475.5p-miR	TJU_CMC_MD2.ID01475.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01476.3p-miR	TJU_CMC_MD2.ID01476.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01477.5p-miR	TJU_CMC_MD2.ID01477.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01478.3p-miR	TJU_CMC_MD2.ID01478.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01479.5p-miR	TJU_CMC_MD2.ID01479.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01480.5p-miR	TJU_CMC_MD2.ID01480.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01481.5p-miR	TJU_CMC_MD2.ID01481.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01482.5p-miR	TJU_CMC_MD2.ID01482.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01483.5p-miR	TJU_CMC_MD2.ID01483.hairpin	YES	YES	NO	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01484.3p-miR	TJU_CMC_MD2.ID01484.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01485.5p-miR	TJU_CMC_MD2.ID01485.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01486.3p-miR	TJU_CMC_MD2.ID01486.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01487.3p-miR	TJU_CMC_MD2.ID01487.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01488.5p-miR	TJU_CMC_MD2.ID01488.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01489.3p-miR	TJU_CMC_MD2.ID01489.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01490.3p-miR	TJU_CMC_MD2.ID01490.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01491.3p-miR	TJU_CMC_MD2.ID01491.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01492.3p-miR	TJU_CMC_MD2.ID01492.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01493.3p-miR	TJU_CMC_MD2.ID01493.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01494.5p-miR	TJU_CMC_MD2.ID01494.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01495.3p-miR	TJU_CMC_MD2.ID01495.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01496.3p-miR	TJU_CMC_MD2.ID01496.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01497.5p-miR	TJU_CMC_MD2.ID01497.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01498.3p-miR	TJU_CMC_MD2.ID01498.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01499.5p-miR	TJU_CMC_MD2.ID01499.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01500.3p-miR	TJU_CMC_MD2.ID01500.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01501.5p-miR	TJU_CMC_MD2.ID01501.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01502.3p-miR	TJU_CMC_MD2.ID01502.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01503.3p-miR	TJU_CMC_MD2.ID01503.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01504.3p-miR	TJU_CMC_MD2.ID01504.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01505.3p-miR	TJU_CMC_MD2.ID01505.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01505.5p-miR	TJU_CMC_MD2.ID01505.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01506.3p-miR	TJU_CMC_MD2.ID01506.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01507.5p-miR	TJU_CMC_MD2.ID01507.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01508.5p-miR	TJU_CMC_MD2.ID01508.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01509.3p-miR	TJU_CMC_MD2.ID01509.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01510.3p-miR	TJU_CMC_MD2.ID01510.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01511.5p-miR	TJU_CMC_MD2.ID01511.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01512.3p-miR	TJU_CMC_MD2.ID01512.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01513.5p-miR	TJU_CMC_MD2.ID01513.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01514.3p-miR	TJU_CMC_MD2.ID01514.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01515.3p-miR	TJU_CMC_MD2.ID01515.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01516.3p-miR	TJU_CMC_MD2.ID01516.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01517.3p-miR	TJU_CMC_MD2.ID01517.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01518.3p-miR	TJU_CMC_MD2.ID01518.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01519.5p-miR	TJU_CMC_MD2.ID01519.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01520.3p-miR	TJU_CMC_MD2.ID01520.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01521.3p-miR	TJU_CMC_MD2.ID01521.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01522.3p-miR	TJU_CMC_MD2.ID01522.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01523.3p-miR	TJU_CMC_MD2.ID01523.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01524.3p-miR	TJU_CMC_MD2.ID01524.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01525.3p-miR	TJU_CMC_MD2.ID01525.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01526.3p-miR	TJU_CMC_MD2.ID01526.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01527.3p-miR	TJU_CMC_MD2.ID01527.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01528.3p-miR	TJU_CMC_MD2.ID01528.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01529.5p-miR	TJU_CMC_MD2.ID01529.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01530.5p-miR	TJU_CMC_MD2.ID01530.hairpin	YES	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01531.3p-miR	TJU_CMC_MD2.ID01531.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01532.3p-miR	TJU_CMC_MD2.ID01532.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01533.3p-miR	TJU_CMC_MD2.ID01533.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01534.3p-miR	TJU_CMC_MD2.ID01534.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01535.3p-miR	TJU_CMC_MD2.ID01535.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01536.3p-miR	TJU_CMC_MD2.ID01536.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01537.3p-miR	TJU_CMC_MD2.ID01537.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01538.3p-miR	TJU_CMC_MD2.ID01538.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01539.3p-miR	TJU_CMC_MD2.ID01539.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01540.3p-miR	TJU_CMC_MD2.ID01540.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01541.3p-miR	TJU_CMC_MD2.ID01541.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01542.3p-miR	TJU_CMC_MD2.ID01542.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01543.3p-miR	TJU_CMC_MD2.ID01543.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01544.3p-miR	TJU_CMC_MD2.ID01544.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01545.3p-miR	TJU_CMC_MD2.ID01545.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01546.5p-miR	TJU_CMC_MD2.ID01546.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01547.3p-miR	TJU_CMC_MD2.ID01547.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01548.5p-miR	TJU_CMC_MD2.ID01548.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01549.5p-miR	TJU_CMC_MD2.ID01549.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01550.3p-miR	TJU_CMC_MD2.ID01550.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01551.3p-miR	TJU_CMC_MD2.ID01551.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01552.5p-miR	TJU_CMC_MD2.ID01552.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01553.3p-miR	TJU_CMC_MD2.ID01553.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01554.3p-miR	TJU_CMC_MD2.ID01554.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01555.5p-miR	TJU_CMC_MD2.ID01555.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01556.3p-miR	TJU_CMC_MD2.ID01556.hairpin	YES	NO	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01557.5p-miR	TJU_CMC_MD2.ID01557.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01558.3p-miR	TJU_CMC_MD2.ID01558.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01559.3p-miR	TJU_CMC_MD2.ID01559.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01560.3p-miR	TJU_CMC_MD2.ID01560.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01561.3p-miR	TJU_CMC_MD2.ID01561.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01562.3p-miR	TJU_CMC_MD2.ID01562.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01563.5p-miR	TJU_CMC_MD2.ID01563.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01564.3p-miR	TJU_CMC_MD2.ID01564.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01565.5p-miR	TJU_CMC_MD2.ID01565.hairpin	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01566.3p-miR	TJU_CMC_MD2.ID01566.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01567.5p-miR	TJU_CMC_MD2.ID01567.hairpin	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01568.3p-miR	TJU_CMC_MD2.ID01568.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01569.3p-miR	TJU_CMC_MD2.ID01569.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01570.3p-miR	TJU_CMC_MD2.ID01570.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01571.3p-miR	TJU_CMC_MD2.ID01571.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01572.5p-miR	TJU_CMC_MD2.ID01572.hairpin	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01573.5p-miR	TJU_CMC_MD2.ID01573.hairpin	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01574.5p-miR	TJU_CMC_MD2.ID01574.hairpin	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01575.5p-miR	TJU_CMC_MD2.ID01575.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01576.3p-miR	TJU_CMC_MD2.ID01576.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01577.3p-miR	TJU_CMC_MD2.ID01577.hairpin	YES	YES	NO	YES	YES	NO	NO
TJU_CMC_MD2.ID01578.5p-miR	TJU_CMC_MD2.ID01578.hairpin	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01579.5p-miR	TJU_CMC_MD2.ID01579.hairpin	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01580.3p-miR	TJU_CMC_MD2.ID01580.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01581.5p-miR	TJU_CMC_MD2.ID01581.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01582.3p-miR	TJU_CMC_MD2.ID01582.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01583.3p-miR	TJU_CMC_MD2.ID01583.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01584.3p-miR	TJU_CMC_MD2.ID01584.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01585.3p-miR	TJU_CMC_MD2.ID01585.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01586.3p-miR	TJU_CMC_MD2.ID01586.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01587.3p-miR	TJU_CMC_MD2.ID01587.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01587.5p-miR	TJU_CMC_MD2.ID01587.hairpin	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01588.3p-miR	TJU_CMC_MD2.ID01588.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01589.3p-miR	TJU_CMC_MD2.ID01589.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01590.3p-miR	TJU_CMC_MD2.ID01590.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01591.3p-miR	TJU_CMC_MD2.ID01591.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01592.3p-miR	TJU_CMC_MD2.ID01592.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01593.5p-miR	TJU_CMC_MD2.ID01593.hairpin	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01594.3p-miR	TJU_CMC_MD2.ID01594.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01595.3p-miR	TJU_CMC_MD2.ID01595.hairpin	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01596.5p-miR	TJU_CMC_MD2.ID01596.hairpin	YES	YES	NO	YES	NO	NO	NO

TJU_CMC_MD2.ID01597.3p-miR	TJU_CMC_MD2.ID01597.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01598.3p-miR	TJU_CMC_MD2.ID01598.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01599.3p-miR	TJU_CMC_MD2.ID01599.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01600.3p-miR	TJU_CMC_MD2.ID01600.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01601.3p-miR	TJU_CMC_MD2.ID01601.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01602.5p-miR	TJU_CMC_MD2.ID01602.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01603.3p-miR	TJU_CMC_MD2.ID01603.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01604.3p-miR	TJU_CMC_MD2.ID01604.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01605.3p-miR	TJU_CMC_MD2.ID01605.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01606.3p-miR	TJU_CMC_MD2.ID01606.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01607.3p-miR	TJU_CMC_MD2.ID01607.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01607.5p-miR	TJU_CMC_MD2.ID01607.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01608.3p-miR	TJU_CMC_MD2.ID01608.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01609.5p-miR	TJU_CMC_MD2.ID01609.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01610.5p-miR	TJU_CMC_MD2.ID01610.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01611.5p-miR	TJU_CMC_MD2.ID01611.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01612.3p-miR	TJU_CMC_MD2.ID01612.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01613.3p-miR	TJU_CMC_MD2.ID01613.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01613.5p-miR	TJU_CMC_MD2.ID01613.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01614.5p-miR	TJU_CMC_MD2.ID01614.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01615.3p-miR	TJU_CMC_MD2.ID01615.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01616.3p-miR	TJU_CMC_MD2.ID01616.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01617.3p-miR	TJU_CMC_MD2.ID01617.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01618.3p-miR	TJU_CMC_MD2.ID01618.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01619.3p-miR	TJU_CMC_MD2.ID01619.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01620.3p-miR	TJU_CMC_MD2.ID01620.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01621.3p-miR	TJU_CMC_MD2.ID01621.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01622.3p-miR	TJU_CMC_MD2.ID01622.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01623.3p-miR	TJU_CMC_MD2.ID01623.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01624.5p-miR	TJU_CMC_MD2.ID01624.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01625.3p-miR	TJU_CMC_MD2.ID01625.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01626.3p-miR	TJU_CMC_MD2.ID01626.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01627.5p-miR	TJU_CMC_MD2.ID01627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01628.5p-miR	TJU_CMC_MD2.ID01628.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01629.5p-miR	TJU_CMC_MD2.ID01629.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01630.5p-miR	TJU_CMC_MD2.ID01630.hairpin	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01631.3p-miR	TJU_CMC_MD2.ID01631.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01632.5p-miR	TJU_CMC_MD2.ID01632.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01633.3p-miR	TJU_CMC_MD2.ID01633.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01634.3p-miR	TJU_CMC_MD2.ID01634.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01635.3p-miR	TJU_CMC_MD2.ID01635.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01636.5p-miR	TJU_CMC_MD2.ID01636.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01637.3p-miR	TJU_CMC_MD2.ID01637.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01638.3p-miR	TJU_CMC_MD2.ID01638.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01639.5p-miR	TJU_CMC_MD2.ID01639.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01640.5p-miR	TJU_CMC_MD2.ID01640.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01641.3p-miR	TJU_CMC_MD2.ID01641.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01642.3p-miR	TJU_CMC_MD2.ID01642.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01642.5p-miR	TJU_CMC_MD2.ID01642.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01643.3p-miR	TJU_CMC_MD2.ID01643.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01644.3p-miR	TJU_CMC_MD2.ID01644.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01645.5p-miR	TJU_CMC_MD2.ID01645.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01646.3p-miR	TJU_CMC_MD2.ID01646.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01646.5p-miR	TJU_CMC_MD2.ID01646.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01647.5p-miR	TJU_CMC_MD2.ID01647.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01648.3p-miR	TJU_CMC_MD2.ID01648.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01648.5p-miR	TJU_CMC_MD2.ID01648.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01649.5p-miR	TJU_CMC_MD2.ID01649.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01650.3p-miR	TJU_CMC_MD2.ID01650.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01651.5p-miR	TJU_CMC_MD2.ID01651.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01652.3p-miR	TJU_CMC_MD2.ID01652.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01653.5p-miR	TJU_CMC_MD2.ID01653.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01654.3p-miR	TJU_CMC_MD2.ID01654.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01655.3p-miR	TJU_CMC_MD2.ID01655.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01656.3p-miR	TJU_CMC_MD2.ID01656.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01657.5p-miR	TJU_CMC_MD2.ID01657.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01658.3p-miR	TJU_CMC_MD2.ID01658.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01659.3p-miR	TJU_CMC_MD2.ID01659.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01660.3p-miR	TJU_CMC_MD2.ID01660.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01661.3p-miR	TJU_CMC_MD2.ID01661.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01662.3p-miR	TJU_CMC_MD2.ID01662.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01663.3p-miR	TJU_CMC_MD2.ID01663.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01664.3p-miR	TJU_CMC_MD2.ID01664.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01664.5p-miR	TJU_CMC_MD2.ID01664.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01665.3p-miR	TJU_CMC_MD2.ID01665.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01666.3p-miR	TJU_CMC_MD2.ID01666.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01666.5p-miR	TJU_CMC_MD2.ID01666.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01667.3p-miR	TJU_CMC_MD2.ID01667.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01668.5p-miR	TJU_CMC_MD2.ID01668.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01669.3p-miR	TJU_CMC_MD2.ID01669.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01670.5p-miR	TJU_CMC_MD2.ID01670.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01671.3p-miR	TJU_CMC_MD2.ID01671.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01672.5p-miR	TJU_CMC_MD2.ID01672.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01673.3p-miR	TJU_CMC_MD2.ID01673.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01674.3p-miR	TJU_CMC_MD2.ID01674.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01674.5p-miR	TJU_CMC_MD2.ID01674.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01675.5p-miR	TJU_CMC_MD2.ID01675.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01676.3p-miR	TJU_CMC_MD2.ID01676.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01677.3p-miR	TJU_CMC_MD2.ID01677.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01678.5p-miR	TJU_CMC_MD2.ID01678.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01679.5p-miR	TJU_CMC_MD2.ID01679.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01680.3p-miR	TJU_CMC_MD2.ID01680.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01680.5p-miR	TJU_CMC_MD2.ID01680.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01681.3p-miR	TJU_CMC_MD2.ID01681.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01682.3p-miR	TJU_CMC_MD2.ID01682.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01683.5p-miR	TJU_CMC_MD2.ID01683.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01684.3p-miR	TJU_CMC_MD2.ID01684.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01685.5p-miR	TJU_CMC_MD2.ID01685.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01686.5p-miR	TJU_CMC_MD2.ID01686.hairpin	YES	NO	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01687.3p-miR	TJU_CMC_MD2.ID01687.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01688.3p-miR	TJU_CMC_MD2.ID01688.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01689.3p-miR	TJU_CMC_MD2.ID01689.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01690.3p-miR	TJU_CMC_MD2.ID01690.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01691.5p-miR	TJU_CMC_MD2.ID01691.hairpin	YES	YES	NO	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID01692.3p-miR	TJU_CMC_MD2.ID01692.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01692.5p-miR	TJU_CMC_MD2.ID01692.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01693.5p-miR	TJU_CMC_MD2.ID01693.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01694.5p-miR	TJU_CMC_MD2.ID01694.hairpin	YES	NO	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01695.3p-miR	TJU_CMC_MD2.ID01695.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01696.3p-miR	TJU_CMC_MD2.ID01696.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01697.5p-miR	TJU_CMC_MD2.ID01697.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01698.3p-miR	TJU_CMC_MD2.ID01698.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01699.5p-miR	TJU_CMC_MD2.ID01699.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01700.3p-miR	TJU_CMC_MD2.ID01700.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01701.3p-miR	TJU_CMC_MD2.ID01701.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01702.3p-miR	TJU_CMC_MD2.ID01702.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01703.3p-miR	TJU_CMC_MD2.ID01703.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01704.5p-miR	TJU_CMC_MD2.ID01704.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01705.3p-miR	TJU_CMC_MD2.ID01705.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01706.3p-miR	TJU_CMC_MD2.ID01706.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01707.5p-miR	TJU_CMC_MD2.ID01707.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01708.5p-miR	TJU_CMC_MD2.ID01708.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01709.3p-miR	TJU_CMC_MD2.ID01709.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01710.3p-miR	TJU_CMC_MD2.ID01710.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01711.3p-miR	TJU_CMC_MD2.ID01711.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01712.5p-miR	TJU_CMC_MD2.ID01712.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01713.5p-miR	TJU_CMC_MD2.ID01713.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01714.3p-miR	TJU_CMC_MD2.ID01714.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01715.3p-miR	TJU_CMC_MD2.ID01715.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01716.3p-miR	TJU_CMC_MD2.ID01716.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01717.3p-miR	TJU_CMC_MD2.ID01717.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01718.3p-miR	TJU_CMC_MD2.ID01718.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01719.3p-miR	TJU_CMC_MD2.ID01719.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01720.5p-miR	TJU_CMC_MD2.ID01720.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01721.3p-miR	TJU_CMC_MD2.ID01721.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01722.3p-miR	TJU_CMC_MD2.ID01722.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01723.5p-miR	TJU_CMC_MD2.ID01723.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01724.3p-miR	TJU_CMC_MD2.ID01724.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01725.3p-miR	TJU_CMC_MD2.ID01725.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01726.3p-miR	TJU_CMC_MD2.ID01726.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01727.5p-miR	TJU_CMC_MD2.ID01727.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01728.3p-miR	TJU_CMC_MD2.ID01728.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01729.3p-miR	TJU_CMC_MD2.ID01729.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01730.3p-miR	TJU_CMC_MD2.ID01730.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01731.5p-miR	TJU_CMC_MD2.ID01731.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01732.3p-miR	TJU_CMC_MD2.ID01732.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01733.3p-miR	TJU_CMC_MD2.ID01733.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01734.5p-miR	TJU_CMC_MD2.ID01734.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01735.3p-miR	TJU_CMC_MD2.ID01735.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01736.3p-miR	TJU_CMC_MD2.ID01736.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01737.3p-miR	TJU_CMC_MD2.ID01737.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01738.5p-miR	TJU_CMC_MD2.ID01738.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01739.3p-miR	TJU_CMC_MD2.ID01739.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01740.5p-miR	TJU_CMC_MD2.ID01740.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01741.5p-miR	TJU_CMC_MD2.ID01741.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01742.3p-miR	TJU_CMC_MD2.ID01742.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01743.5p-miR	TJU_CMC_MD2.ID01743.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01744.3p-miR	TJU_CMC_MD2.ID01744.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01745.3p-miR	TJU_CMC_MD2.ID01745.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01746.3p-miR	TJU_CMC_MD2.ID01746.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01747.5p-miR	TJU_CMC_MD2.ID01747.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01748.3p-miR	TJU_CMC_MD2.ID01748.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01749.3p-miR	TJU_CMC_MD2.ID01749.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01750.5p-miR	TJU_CMC_MD2.ID01750.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01751.5p-miR	TJU_CMC_MD2.ID01751.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01752.5p-miR	TJU_CMC_MD2.ID01752.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01753.3p-miR	TJU_CMC_MD2.ID01753.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01754.3p-miR	TJU_CMC_MD2.ID01754.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01755.3p-miR	TJU_CMC_MD2.ID01755.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01756.5p-miR	TJU_CMC_MD2.ID01756.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01757.3p-miR	TJU_CMC_MD2.ID01757.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01758.3p-miR	TJU_CMC_MD2.ID01758.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01759.3p-miR	TJU_CMC_MD2.ID01759.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01760.3p-miR	TJU_CMC_MD2.ID01760.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01761.3p-miR	TJU_CMC_MD2.ID01761.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01762.5p-miR	TJU_CMC_MD2.ID01762.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01763.5p-miR	TJU_CMC_MD2.ID01763.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01764.5p-miR	TJU_CMC_MD2.ID01764.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01765.3p-miR	TJU_CMC_MD2.ID01765.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01766.5p-miR	TJU_CMC_MD2.ID01766.hairpin	YES	YES	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01767.5p-miR	TJU_CMC_MD2.ID01767.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01768.3p-miR	TJU_CMC_MD2.ID01768.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01769.5p-miR	TJU_CMC_MD2.ID01769.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID01770.3p-miR	TJU_CMC_MD2.ID01770.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01771.5p-miR	TJU_CMC_MD2.ID01771.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01772.3p-miR	TJU_CMC_MD2.ID01772.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01772.5p-miR	TJU_CMC_MD2.ID01772.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01773.3p-miR	TJU_CMC_MD2.ID01773.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01774.5p-miR	TJU_CMC_MD2.ID01774.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01775.3p-miR	TJU_CMC_MD2.ID01775.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01776.3p-miR	TJU_CMC_MD2.ID01776.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01777.3p-miR	TJU_CMC_MD2.ID01777.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01778.3p-miR	TJU_CMC_MD2.ID01778.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01779.3p-miR	TJU_CMC_MD2.ID01779.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01780.5p-miR	TJU_CMC_MD2.ID01780.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01781.5p-miR	TJU_CMC_MD2.ID01781.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01782.3p-miR	TJU_CMC_MD2.ID01782.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01783.3p-miR	TJU_CMC_MD2.ID01783.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01784.5p-miR	TJU_CMC_MD2.ID01784.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01785.3p-miR	TJU_CMC_MD2.ID01785.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01786.5p-miR	TJU_CMC_MD2.ID01786.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01787.3p-miR	TJU_CMC_MD2.ID01787.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01788.3p-miR	TJU_CMC_MD2.ID01788.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01789.3p-miR	TJU_CMC_MD2.ID01789.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01790.5p-miR	TJU_CMC_MD2.ID01790.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01791.3p-miR	TJU_CMC_MD2.ID01791.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01792.5p-miR	TJU_CMC_MD2.ID01792.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01793.3p-miR	TJU_CMC_MD2.ID01793.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01793.5p-miR	TJU_CMC_MD2.ID01793.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01794.5p-miR	TJU_CMC_MD2.ID01794.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01795.5p-miR	TJU_CMC_MD2.ID01795.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01796.3p-miR	TJU_CMC_MD2.ID01796.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01797.3p-miR	TJU_CMC_MD2.ID01797.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01798.3p-miR	TJU_CMC_MD2.ID01798.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01799.5p-miR	TJU_CMC_MD2.ID01799.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01800.5p-miR	TJU_CMC_MD2.ID01800.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01801.3p-miR	TJU_CMC_MD2.ID01801.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01801.5p-miR	TJU_CMC_MD2.ID01801.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01802.5p-miR	TJU_CMC_MD2.ID01802.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01803.5p-miR	TJU_CMC_MD2.ID01803.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01804.3p-miR	TJU_CMC_MD2.ID01804.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01805.3p-miR	TJU_CMC_MD2.ID01805.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01805.5p-miR	TJU_CMC_MD2.ID01805.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01806.3p-miR	TJU_CMC_MD2.ID01806.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01807.3p-miR	TJU_CMC_MD2.ID01807.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01808.5p-miR	TJU_CMC_MD2.ID01808.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01809.3p-miR	TJU_CMC_MD2.ID01809.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01810.3p-miR	TJU_CMC_MD2.ID01810.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01811.5p-miR	TJU_CMC_MD2.ID01811.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01812.5p-miR	TJU_CMC_MD2.ID01812.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01813.3p-miR	TJU_CMC_MD2.ID01813.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01813.5p-miR	TJU_CMC_MD2.ID01813.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01814.3p-miR	TJU_CMC_MD2.ID01814.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01815.5p-miR	TJU_CMC_MD2.ID01815.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01816.3p-miR	TJU_CMC_MD2.ID01816.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01817.3p-miR	TJU_CMC_MD2.ID01817.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01818.3p-miR	TJU_CMC_MD2.ID01818.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01819.5p-miR	TJU_CMC_MD2.ID01819.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01820.3p-miR	TJU_CMC_MD2.ID01820.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01821.3p-miR	TJU_CMC_MD2.ID01821.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01822.3p-miR	TJU_CMC_MD2.ID01822.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01822.5p-miR	TJU_CMC_MD2.ID01822.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01823.5p-miR	TJU_CMC_MD2.ID01823.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01824.3p-miR	TJU_CMC_MD2.ID01824.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01825.3p-miR	TJU_CMC_MD2.ID01825.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01826.3p-miR	TJU_CMC_MD2.ID01826.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01826.5p-miR	TJU_CMC_MD2.ID01826.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01827.3p-miR	TJU_CMC_MD2.ID01827.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01828.3p-miR	TJU_CMC_MD2.ID01828.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01829.5p-miR	TJU_CMC_MD2.ID01829.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01830.5p-miR	TJU_CMC_MD2.ID01830.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01831.3p-miR	TJU_CMC_MD2.ID01831.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01832.5p-miR	TJU_CMC_MD2.ID01832.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01833.3p-miR	TJU_CMC_MD2.ID01833.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01834.5p-miR	TJU_CMC_MD2.ID01834.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01835.3p-miR	TJU_CMC_MD2.ID01835.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01836.5p-miR	TJU_CMC_MD2.ID01836.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01837.3p-miR	TJU_CMC_MD2.ID01837.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01838.5p-miR	TJU_CMC_MD2.ID01838.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01839.3p-miR	TJU_CMC_MD2.ID01839.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01840.5p-miR	TJU_CMC_MD2.ID01840.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01841.3p-miR	TJU_CMC_MD2.ID01841.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01842.3p-miR	TJU_CMC_MD2.ID01842.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01842.5p-miR	TJU_CMC_MD2.ID01842.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01843.3p-miR	TJU_CMC_MD2.ID01843.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01844.5p-miR	TJU_CMC_MD2.ID01844.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01845.5p-miR	TJU_CMC_MD2.ID01845.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01846.5p-miR	TJU_CMC_MD2.ID01846.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01847.5p-miR	TJU_CMC_MD2.ID01847.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01848.5p-miR	TJU_CMC_MD2.ID01848.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01849.5p-miR	TJU_CMC_MD2.ID01849.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01850.5p-miR	TJU_CMC_MD2.ID01850.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01851.5p-miR	TJU_CMC_MD2.ID01851.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01852.3p-miR	TJU_CMC_MD2.ID01852.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01853.3p-miR	TJU_CMC_MD2.ID01853.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01854.5p-miR	TJU_CMC_MD2.ID01854.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01855.3p-miR	TJU_CMC_MD2.ID01855.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01856.3p-miR	TJU_CMC_MD2.ID01856.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01857.3p-miR	TJU_CMC_MD2.ID01857.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01858.3p-miR	TJU_CMC_MD2.ID01858.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01859.5p-miR	TJU_CMC_MD2.ID01859.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01860.3p-miR	TJU_CMC_MD2.ID01860.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01860.5p-miR	TJU_CMC_MD2.ID01860.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01861.3p-miR	TJU_CMC_MD2.ID01861.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01862.5p-miR	TJU_CMC_MD2.ID01862.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01863.5p-miR	TJU_CMC_MD2.ID01863.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01864.5p-miR	TJU_CMC_MD2.ID01864.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01865.3p-miR	TJU_CMC_MD2.ID01865.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01866.5p-miR	TJU_CMC_MD2.ID01866.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01867.3p-miR	TJU_CMC_MD2.ID01867.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01868.3p-miR	TJU_CMC_MD2.ID01868.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01869.3p-miR	TJU_CMC_MD2.ID01869.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01870.5p-miR	TJU_CMC_MD2.ID01870.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01871.3p-miR	TJU_CMC_MD2.ID01871.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01872.3p-miR	TJU_CMC_MD2.ID01872.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01873.3p-miR	TJU_CMC_MD2.ID01873.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01874.3p-miR	TJU_CMC_MD2.ID01874.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01875.3p-miR	TJU_CMC_MD2.ID01875.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01876.3p-miR	TJU_CMC_MD2.ID01876.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01877.3p-miR	TJU_CMC_MD2.ID01877.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01878.5p-miR	TJU_CMC_MD2.ID01878.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01879.5p-miR	TJU_CMC_MD2.ID01879.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01880.5p-miR	TJU_CMC_MD2.ID01880.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01881.5p-miR	TJU_CMC_MD2.ID01881.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01882.5p-miR	TJU_CMC_MD2.ID01882.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01883.5p-miR	TJU_CMC_MD2.ID01883.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01884.5p-miR	TJU_CMC_MD2.ID01884.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01885.5p-miR	TJU_CMC_MD2.ID01885.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01886.3p-miR	TJU_CMC_MD2.ID01886.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01887.5p-miR	TJU_CMC_MD2.ID01887.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01888.3p-miR	TJU_CMC_MD2.ID01888.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01889.3p-miR	TJU_CMC_MD2.ID01889.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01890.5p-miR	TJU_CMC_MD2.ID01890.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01891.3p-miR	TJU_CMC_MD2.ID01891.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01892.3p-miR	TJU_CMC_MD2.ID01892.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01893.3p-miR	TJU_CMC_MD2.ID01893.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01893.5p-miR	TJU_CMC_MD2.ID01893.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01894.3p-miR	TJU_CMC_MD2.ID01894.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01895.5p-miR	TJU_CMC_MD2.ID01895.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01896.3p-miR	TJU_CMC_MD2.ID01896.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01897.3p-miR	TJU_CMC_MD2.ID01897.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01898.3p-miR	TJU_CMC_MD2.ID01898.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01899.5p-miR	TJU_CMC_MD2.ID01899.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01900.5p-miR	TJU_CMC_MD2.ID01900.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01901.5p-miR	TJU_CMC_MD2.ID01901.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01902.5p-miR	TJU_CMC_MD2.ID01902.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01903.3p-miR	TJU_CMC_MD2.ID01903.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01904.3p-miR	TJU_CMC_MD2.ID01904.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01905.5p-miR	TJU_CMC_MD2.ID01905.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01906.3p-miR	TJU_CMC_MD2.ID01906.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01907.5p-miR	TJU_CMC_MD2.ID01907.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01908.3p-miR	TJU_CMC_MD2.ID01908.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01909.3p-miR	TJU_CMC_MD2.ID01909.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01910.3p-miR	TJU_CMC_MD2.ID01910.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01911.5p-miR	TJU_CMC_MD2.ID01911.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01912.5p-miR	TJU_CMC_MD2.ID01912.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01913.3p-miR	TJU_CMC_MD2.ID01913.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01914.5p-miR	TJU_CMC_MD2.ID01914.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01915.5p-miR	TJU_CMC_MD2.ID01915.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01916.5p-miR	TJU_CMC_MD2.ID01916.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01917.3p-miR	TJU_CMC_MD2.ID01917.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01918.5p-miR	TJU_CMC_MD2.ID01918.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01919.5p-miR	TJU_CMC_MD2.ID01919.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01920.3p-miR	TJU_CMC_MD2.ID01920.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01921.5p-miR	TJU_CMC_MD2.ID01921.hairpin	YES	NO	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID01922.3p-miR	TJU_CMC_MD2.ID01922.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01923.3p-miR	TJU_CMC_MD2.ID01923.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01924.5p-miR	TJU_CMC_MD2.ID01924.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01925.5p-miR	TJU_CMC_MD2.ID01925.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01926.3p-miR	TJU_CMC_MD2.ID01926.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01927.5p-miR	TJU_CMC_MD2.ID01927.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01928.3p-miR	TJU_CMC_MD2.ID01928.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01929.3p-miR	TJU_CMC_MD2.ID01929.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01930.3p-miR	TJU_CMC_MD2.ID01930.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01931.5p-miR	TJU_CMC_MD2.ID01931.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01932.5p-miR	TJU_CMC_MD2.ID01932.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01933.3p-miR	TJU_CMC_MD2.ID01933.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01934.5p-miR	TJU_CMC_MD2.ID01934.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01935.5p-miR	TJU_CMC_MD2.ID01935.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01936.5p-miR	TJU_CMC_MD2.ID01936.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID01937.3p-miR	TJU_CMC_MD2.ID01937.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01938.5p-miR	TJU_CMC_MD2.ID01938.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01939.5p-miR	TJU_CMC_MD2.ID01939.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01940.3p-miR	TJU_CMC_MD2.ID01940.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01941.5p-miR	TJU_CMC_MD2.ID01941.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01942.3p-miR	TJU_CMC_MD2.ID01942.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01943.5p-miR	TJU_CMC_MD2.ID01943.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01944.5p-miR	TJU_CMC_MD2.ID01944.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01945.3p-miR	TJU_CMC_MD2.ID01945.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01946.3p-miR	TJU_CMC_MD2.ID01946.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01947.5p-miR	TJU_CMC_MD2.ID01947.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01948.5p-miR	TJU_CMC_MD2.ID01948.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01949.3p-miR	TJU_CMC_MD2.ID01949.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01950.3p-miR	TJU_CMC_MD2.ID01950.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01950.5p-miR	TJU_CMC_MD2.ID01950.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01951.3p-miR	TJU_CMC_MD2.ID01951.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01952.5p-miR	TJU_CMC_MD2.ID01952.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01953.5p-miR	TJU_CMC_MD2.ID01953.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01954.3p-miR	TJU_CMC_MD2.ID01954.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01955.3p-miR	TJU_CMC_MD2.ID01955.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01956.5p-miR	TJU_CMC_MD2.ID01956.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01957.3p-miR	TJU_CMC_MD2.ID01957.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01958.3p-miR	TJU_CMC_MD2.ID01958.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01959.3p-miR	TJU_CMC_MD2.ID01959.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01959.5p-miR	TJU_CMC_MD2.ID01959.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01960.3p-miR	TJU_CMC_MD2.ID01960.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01961.5p-miR	TJU_CMC_MD2.ID01961.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01962.3p-miR	TJU_CMC_MD2.ID01962.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01963.3p-miR	TJU_CMC_MD2.ID01963.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01963.5p-miR	TJU_CMC_MD2.ID01963.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01964.3p-miR	TJU_CMC_MD2.ID01964.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01965.5p-miR	TJU_CMC_MD2.ID01965.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01966.5p-miR	TJU_CMC_MD2.ID01966.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID01967.5p-miR	TJU_CMC_MD2.ID01967.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01968.3p-miR	TJU_CMC_MD2.ID01968.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01969.3p-miR	TJU_CMC_MD2.ID01969.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID01970.3p-miR	TJU_CMC_MD2.ID01970.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01971.3p-miR	TJU_CMC_MD2.ID01971.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01972.5p-miR	TJU_CMC_MD2.ID01972.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01973.3p-miR	TJU_CMC_MD2.ID01973.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01974.5p-miR	TJU_CMC_MD2.ID01974.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID01975.3p-miR	TJU_CMC_MD2.ID01975.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01976.5p-miR	TJU_CMC_MD2.ID01976.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01977.3p-miR	TJU_CMC_MD2.ID01977.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01978.5p-miR	TJU_CMC_MD2.ID01978.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01979.3p-miR	TJU_CMC_MD2.ID01979.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01980.5p-miR	TJU_CMC_MD2.ID01980.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01981.3p-miR	TJU_CMC_MD2.ID01981.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01982.5p-miR	TJU_CMC_MD2.ID01982.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01983.3p-miR	TJU_CMC_MD2.ID01983.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01984.3p-miR	TJU_CMC_MD2.ID01984.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01985.5p-miR	TJU_CMC_MD2.ID01985.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01986.5p-miR	TJU_CMC_MD2.ID01986.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01987.3p-miR	TJU_CMC_MD2.ID01987.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01988.5p-miR	TJU_CMC_MD2.ID01988.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01989.5p-miR	TJU_CMC_MD2.ID01989.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID01990.3p-miR	TJU_CMC_MD2.ID01990.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01991.5p-miR	TJU_CMC_MD2.ID01991.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID01992.3p-miR	TJU_CMC_MD2.ID01992.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01993.3p-miR	TJU_CMC_MD2.ID01993.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01994.3p-miR	TJU_CMC_MD2.ID01994.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01995.3p-miR	TJU_CMC_MD2.ID01995.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01996.3p-miR	TJU_CMC_MD2.ID01996.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01997.5p-miR	TJU_CMC_MD2.ID01997.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01998.3p-miR	TJU_CMC_MD2.ID01998.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01999.3p-miR	TJU_CMC_MD2.ID01999.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID01999.5p-miR	TJU_CMC_MD2.ID01999.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02000.3p-miR	TJU_CMC_MD2.ID02000.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02001.5p-miR	TJU_CMC_MD2.ID02001.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02002.5p-miR	TJU_CMC_MD2.ID02002.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02003.3p-miR	TJU_CMC_MD2.ID02003.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02004.3p-miR	TJU_CMC_MD2.ID02004.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02005.5p-miR	TJU_CMC_MD2.ID02005.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02006.3p-miR	TJU_CMC_MD2.ID02006.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02007.3p-miR	TJU_CMC_MD2.ID02007.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02008.5p-miR	TJU_CMC_MD2.ID02008.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02009.5p-miR	TJU_CMC_MD2.ID02009.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02010.3p-miR	TJU_CMC_MD2.ID02010.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02011.3p-miR	TJU_CMC_MD2.ID02011.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02012.5p-miR	TJU_CMC_MD2.ID02012.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02013.3p-miR	TJU_CMC_MD2.ID02013.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02014.5p-miR	TJU_CMC_MD2.ID02014.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02015.5p-miR	TJU_CMC_MD2.ID02015.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02016.3p-miR	TJU_CMC_MD2.ID02016.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02017.3p-miR	TJU_CMC_MD2.ID02017.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02018.3p-miR	TJU_CMC_MD2.ID02018.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02019.3p-miR	TJU_CMC_MD2.ID02019.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02020.3p-miR	TJU_CMC_MD2.ID02020.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02021.3p-miR	TJU_CMC_MD2.ID02021.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02022.5p-miR	TJU_CMC_MD2.ID02022.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02023.5p-miR	TJU_CMC_MD2.ID02023.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02024.3p-miR	TJU_CMC_MD2.ID02024.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02025.5p-miR	TJU_CMC_MD2.ID02025.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02026.5p-miR	TJU_CMC_MD2.ID02026.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02027.3p-miR	TJU_CMC_MD2.ID02027.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02028.3p-miR	TJU_CMC_MD2.ID02028.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02029.5p-miR	TJU_CMC_MD2.ID02029.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02030.3p-miR	TJU_CMC_MD2.ID02030.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02031.5p-miR	TJU_CMC_MD2.ID02031.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02032.5p-miR	TJU_CMC_MD2.ID02032.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02033.5p-miR	TJU_CMC_MD2.ID02033.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02034.5p-miR	TJU_CMC_MD2.ID02034.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02035.5p-miR	TJU_CMC_MD2.ID02035.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02036.3p-miR	TJU_CMC_MD2.ID02036.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02037.5p-miR	TJU_CMC_MD2.ID02037.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02038.5p-miR	TJU_CMC_MD2.ID02038.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02039.3p-miR	TJU_CMC_MD2.ID02039.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02040.5p-miR	TJU_CMC_MD2.ID02040.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02041.3p-miR	TJU_CMC_MD2.ID02041.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02042.5p-miR	TJU_CMC_MD2.ID02042.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02043.3p-miR	TJU_CMC_MD2.ID02043.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02043.5p-miR	TJU_CMC_MD2.ID02043.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02044.3p-miR	TJU_CMC_MD2.ID02044.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02045.3p-miR	TJU_CMC_MD2.ID02045.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02046.3p-miR	TJU_CMC_MD2.ID02046.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02047.5p-miR	TJU_CMC_MD2.ID02047.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02048.3p-miR	TJU_CMC_MD2.ID02048.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02049.3p-miR	TJU_CMC_MD2.ID02049.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02050.3p-miR	TJU_CMC_MD2.ID02050.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02050.5p-miR	TJU_CMC_MD2.ID02050.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02051.3p-miR	TJU_CMC_MD2.ID02051.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02052.5p-miR	TJU_CMC_MD2.ID02052.hairpin	YES	NO	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02053.5p-miR	TJU_CMC_MD2.ID02053.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02054.3p-miR	TJU_CMC_MD2.ID02054.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02055.5p-miR	TJU_CMC_MD2.ID02055.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02056.3p-miR	TJU_CMC_MD2.ID02056.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02057.3p-miR	TJU_CMC_MD2.ID02057.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02058.5p-miR	TJU_CMC_MD2.ID02058.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02059.3p-miR	TJU_CMC_MD2.ID02059.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02059.5p-miR	TJU_CMC_MD2.ID02059.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02060.3p-miR	TJU_CMC_MD2.ID02060.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02061.3p-miR	TJU_CMC_MD2.ID02061.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02062.3p-miR	TJU_CMC_MD2.ID02062.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02063.5p-miR	TJU_CMC_MD2.ID02063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02064.5p-miR	TJU_CMC_MD2.ID02064.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02065.5p-miR	TJU_CMC_MD2.ID02065.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02066.5p-miR	TJU_CMC_MD2.ID02066.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02067.3p-miR	TJU_CMC_MD2.ID02067.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02068.5p-miR	TJU_CMC_MD2.ID02068.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02069.5p-miR	TJU_CMC_MD2.ID02069.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02070.5p-miR	TJU_CMC_MD2.ID02070.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02071.3p-miR	TJU_CMC_MD2.ID02071.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02072.3p-miR	TJU_CMC_MD2.ID02072.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02073.5p-miR	TJU_CMC_MD2.ID02073.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02074.3p-miR	TJU_CMC_MD2.ID02074.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02074.5p-miR	TJU_CMC_MD2.ID02074.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02075.3p-miR	TJU_CMC_MD2.ID02075.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02076.5p-miR	TJU_CMC_MD2.ID02076.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID02077.3p-miR	TJU_CMC_MD2.ID02077.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02078.5p-miR	TJU_CMC_MD2.ID02078.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02079.5p-miR	TJU_CMC_MD2.ID02079.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02080.3p-miR	TJU_CMC_MD2.ID02080.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02081.5p-miR	TJU_CMC_MD2.ID02081.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02082.3p-miR	TJU_CMC_MD2.ID02082.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02083.3p-miR	TJU_CMC_MD2.ID02083.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02084.3p-miR	TJU_CMC_MD2.ID02084.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02085.3p-miR	TJU_CMC_MD2.ID02085.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02085.5p-miR	TJU_CMC_MD2.ID02085.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02086.5p-miR	TJU_CMC_MD2.ID02086.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02087.5p-miR	TJU_CMC_MD2.ID02087.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02088.3p-miR	TJU_CMC_MD2.ID02088.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02088.5p-miR	TJU_CMC_MD2.ID02088.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02089.3p-miR	TJU_CMC_MD2.ID02089.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02090.3p-miR	TJU_CMC_MD2.ID02090.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02091.5p-miR	TJU_CMC_MD2.ID02091.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02092.5p-miR	TJU_CMC_MD2.ID02092.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02093.5p-miR	TJU_CMC_MD2.ID02093.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02094.3p-miR	TJU_CMC_MD2.ID02094.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02095.3p-miR	TJU_CMC_MD2.ID02095.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02096.3p-miR	TJU_CMC_MD2.ID02096.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02096.5p-miR	TJU_CMC_MD2.ID02096.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02097.3p-miR	TJU_CMC_MD2.ID02097.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02098.3p-miR	TJU_CMC_MD2.ID02098.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02099.5p-miR	TJU_CMC_MD2.ID02099.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02100.3p-miR	TJU_CMC_MD2.ID02100.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02101.3p-miR	TJU_CMC_MD2.ID02101.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02102.5p-miR	TJU_CMC_MD2.ID02102.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02103.5p-miR	TJU_CMC_MD2.ID02103.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02104.5p-miR	TJU_CMC_MD2.ID02104.hairpin	YES	NO	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02105.3p-miR	TJU_CMC_MD2.ID02105.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02106.3p-miR	TJU_CMC_MD2.ID02106.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02107.5p-miR	TJU_CMC_MD2.ID02107.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02108.3p-miR	TJU_CMC_MD2.ID02108.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02109.5p-miR	TJU_CMC_MD2.ID02109.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02110.5p-miR	TJU_CMC_MD2.ID02110.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02111.3p-miR	TJU_CMC_MD2.ID02111.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02112.3p-miR	TJU_CMC_MD2.ID02112.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02113.5p-miR	TJU_CMC_MD2.ID02113.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02114.3p-miR	TJU_CMC_MD2.ID02114.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02115.5p-miR	TJU_CMC_MD2.ID02115.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02116.3p-miR	TJU_CMC_MD2.ID02116.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02117.3p-miR	TJU_CMC_MD2.ID02117.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02118.3p-miR	TJU_CMC_MD2.ID02118.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02119.3p-miR	TJU_CMC_MD2.ID02119.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02120.3p-miR	TJU_CMC_MD2.ID02120.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02121.3p-miR	TJU_CMC_MD2.ID02121.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02122.5p-miR	TJU_CMC_MD2.ID02122.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02123.3p-miR	TJU_CMC_MD2.ID02123.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02124.5p-miR	TJU_CMC_MD2.ID02124.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02125.3p-miR	TJU_CMC_MD2.ID02125.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02125.5p-miR	TJU_CMC_MD2.ID02125.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02126.3p-miR	TJU_CMC_MD2.ID02126.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02126.5p-miR	TJU_CMC_MD2.ID02126.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02127.5p-miR	TJU_CMC_MD2.ID02127.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02128.5p-miR	TJU_CMC_MD2.ID02128.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02129.5p-miR	TJU_CMC_MD2.ID02129.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02130.3p-miR	TJU_CMC_MD2.ID02130.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02131.5p-miR	TJU_CMC_MD2.ID02131.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02132.3p-miR	TJU_CMC_MD2.ID02132.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02133.5p-miR	TJU_CMC_MD2.ID02133.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02134.5p-miR	TJU_CMC_MD2.ID02134.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02135.5p-miR	TJU_CMC_MD2.ID02135.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02136.3p-miR	TJU_CMC_MD2.ID02136.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02137.5p-miR	TJU_CMC_MD2.ID02137.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02138.5p-miR	TJU_CMC_MD2.ID02138.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02139.3p-miR	TJU_CMC_MD2.ID02139.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02140.5p-miR	TJU_CMC_MD2.ID02140.hairpin	YES	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02141.5p-miR	TJU_CMC_MD2.ID02141.hairpin	YES	NO	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02142.3p-miR	TJU_CMC_MD2.ID02142.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02143.3p-miR	TJU_CMC_MD2.ID02143.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02143.5p-miR	TJU_CMC_MD2.ID02143.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02144.5p-miR	TJU_CMC_MD2.ID02144.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02145.5p-miR	TJU_CMC_MD2.ID02145.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02146.5p-miR	TJU_CMC_MD2.ID02146.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02147.5p-miR	TJU_CMC_MD2.ID02147.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02148.3p-miR	TJU_CMC_MD2.ID02148.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02149.3p-miR	TJU_CMC_MD2.ID02149.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02150.5p-miR	TJU_CMC_MD2.ID02150.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02151.5p-miR	TJU_CMC_MD2.ID02151.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02152.3p-miR	TJU_CMC_MD2.ID02152.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02153.5p-miR	TJU_CMC_MD2.ID02153.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02154.3p-miR	TJU_CMC_MD2.ID02154.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02155.3p-miR	TJU_CMC_MD2.ID02155.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02156.3p-miR	TJU_CMC_MD2.ID02156.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02157.5p-miR	TJU_CMC_MD2.ID02157.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02158.5p-miR	TJU_CMC_MD2.ID02158.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02159.3p-miR	TJU_CMC_MD2.ID02159.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02160.3p-miR	TJU_CMC_MD2.ID02160.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02161.3p-miR	TJU_CMC_MD2.ID02161.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02162.5p-miR	TJU_CMC_MD2.ID02162.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02163.3p-miR	TJU_CMC_MD2.ID02163.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02164.3p-miR	TJU_CMC_MD2.ID02164.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02165.3p-miR	TJU_CMC_MD2.ID02165.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02165.5p-miR	TJU_CMC_MD2.ID02165.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02166.3p-miR	TJU_CMC_MD2.ID02166.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02167.3p-miR	TJU_CMC_MD2.ID02167.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02168.5p-miR	TJU_CMC_MD2.ID02168.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02169.3p-miR	TJU_CMC_MD2.ID02169.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02169.5p-miR	TJU_CMC_MD2.ID02169.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02170.3p-miR	TJU_CMC_MD2.ID02170.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02171.5p-miR	TJU_CMC_MD2.ID02171.hairpin	YES	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02172.5p-miR	TJU_CMC_MD2.ID02172.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02173.3p-miR	TJU_CMC_MD2.ID02173.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02174.5p-miR	TJU_CMC_MD2.ID02174.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02175.3p-miR	TJU_CMC_MD2.ID02175.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02176.3p-miR	TJU_CMC_MD2.ID02176.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02176.5p-miR	TJU_CMC_MD2.ID02176.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02177.5p-miR	TJU_CMC_MD2.ID02177.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02178.5p-miR	TJU_CMC_MD2.ID02178.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02179.3p-miR	TJU_CMC_MD2.ID02179.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02180.3p-miR	TJU_CMC_MD2.ID02180.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02181.3p-miR	TJU_CMC_MD2.ID02181.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02182.5p-miR	TJU_CMC_MD2.ID02182.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02183.5p-miR	TJU_CMC_MD2.ID02183.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02184.3p-miR	TJU_CMC_MD2.ID02184.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02185.5p-miR	TJU_CMC_MD2.ID02185.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02186.5p-miR	TJU_CMC_MD2.ID02186.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02187.5p-miR	TJU_CMC_MD2.ID02187.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02188.3p-miR	TJU_CMC_MD2.ID02188.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02188.5p-miR	TJU_CMC_MD2.ID02188.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02189.5p-miR	TJU_CMC_MD2.ID02189.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02190.5p-miR	TJU_CMC_MD2.ID02190.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02191.5p-miR	TJU_CMC_MD2.ID02191.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02192.5p-miR	TJU_CMC_MD2.ID02192.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02193.3p-miR	TJU_CMC_MD2.ID02193.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02194.3p-miR	TJU_CMC_MD2.ID02194.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02195.3p-miR	TJU_CMC_MD2.ID02195.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02196.5p-miR	TJU_CMC_MD2.ID02196.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02197.3p-miR	TJU_CMC_MD2.ID02197.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02198.3p-miR	TJU_CMC_MD2.ID02198.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02199.5p-miR	TJU_CMC_MD2.ID02199.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02200.3p-miR	TJU_CMC_MD2.ID02200.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02201.3p-miR	TJU_CMC_MD2.ID02201.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02202.5p-miR	TJU_CMC_MD2.ID02202.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02203.5p-miR	TJU_CMC_MD2.ID02203.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02204.5p-miR	TJU_CMC_MD2.ID02204.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02205.5p-miR	TJU_CMC_MD2.ID02205.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02206.5p-miR	TJU_CMC_MD2.ID02206.hairpin	YES	NO	YES	NO	YES	NO	NO	NO

TJU_CMC_MD2.ID02207.5p-miR	TJU_CMC_MD2.ID02207.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02208.5p-miR	TJU_CMC_MD2.ID02208.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02209.3p-miR	TJU_CMC_MD2.ID02209.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02210.5p-miR	TJU_CMC_MD2.ID02210.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02211.5p-miR	TJU_CMC_MD2.ID02211.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02212.5p-miR	TJU_CMC_MD2.ID02212.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02213.3p-miR	TJU_CMC_MD2.ID02213.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02214.3p-miR	TJU_CMC_MD2.ID02214.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02215.5p-miR	TJU_CMC_MD2.ID02215.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02216.3p-miR	TJU_CMC_MD2.ID02216.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02217.5p-miR	TJU_CMC_MD2.ID02217.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02218.3p-miR	TJU_CMC_MD2.ID02218.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02219.3p-miR	TJU_CMC_MD2.ID02219.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02220.5p-miR	TJU_CMC_MD2.ID02220.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02221.3p-miR	TJU_CMC_MD2.ID02221.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02222.3p-miR	TJU_CMC_MD2.ID02222.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02223.3p-miR	TJU_CMC_MD2.ID02223.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02224.3p-miR	TJU_CMC_MD2.ID02224.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02224.5p-miR	TJU_CMC_MD2.ID02224.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02225.5p-miR	TJU_CMC_MD2.ID02225.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02226.3p-miR	TJU_CMC_MD2.ID02226.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02227.3p-miR	TJU_CMC_MD2.ID02227.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02228.3p-miR	TJU_CMC_MD2.ID02228.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02229.3p-miR	TJU_CMC_MD2.ID02229.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02230.3p-miR	TJU_CMC_MD2.ID02230.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02231.3p-miR	TJU_CMC_MD2.ID02231.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02232.3p-miR	TJU_CMC_MD2.ID02232.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02233.3p-miR	TJU_CMC_MD2.ID02233.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02234.5p-miR	TJU_CMC_MD2.ID02234.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02235.5p-miR	TJU_CMC_MD2.ID02235.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02236.3p-miR	TJU_CMC_MD2.ID02236.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02236.5p-miR	TJU_CMC_MD2.ID02236.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02237.3p-miR	TJU_CMC_MD2.ID02237.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02237.5p-miR	TJU_CMC_MD2.ID02237.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02238.5p-miR	TJU_CMC_MD2.ID02238.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02239.3p-miR	TJU_CMC_MD2.ID02239.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02240.3p-miR	TJU_CMC_MD2.ID02240.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02241.3p-miR	TJU_CMC_MD2.ID02241.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02242.3p-miR	TJU_CMC_MD2.ID02242.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02243.5p-miR	TJU_CMC_MD2.ID02243.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02244.3p-miR	TJU_CMC_MD2.ID02244.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02245.5p-miR	TJU_CMC_MD2.ID02245.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02246.3p-miR	TJU_CMC_MD2.ID02246.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02247.3p-miR	TJU_CMC_MD2.ID02247.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02248.5p-miR	TJU_CMC_MD2.ID02248.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02249.3p-miR	TJU_CMC_MD2.ID02249.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02250.3p-miR	TJU_CMC_MD2.ID02250.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02251.5p-miR	TJU_CMC_MD2.ID02251.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02252.3p-miR	TJU_CMC_MD2.ID02252.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02253.3p-miR	TJU_CMC_MD2.ID02253.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02254.5p-miR	TJU_CMC_MD2.ID02254.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02255.5p-miR	TJU_CMC_MD2.ID02255.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02256.3p-miR	TJU_CMC_MD2.ID02256.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02257.3p-miR	TJU_CMC_MD2.ID02257.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02258.3p-miR	TJU_CMC_MD2.ID02258.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02259.5p-miR	TJU_CMC_MD2.ID02259.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02260.5p-miR	TJU_CMC_MD2.ID02260.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02261.5p-miR	TJU_CMC_MD2.ID02261.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02262.3p-miR	TJU_CMC_MD2.ID02262.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02263.3p-miR	TJU_CMC_MD2.ID02263.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02264.3p-miR	TJU_CMC_MD2.ID02264.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02264.5p-miR	TJU_CMC_MD2.ID02264.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02265.5p-miR	TJU_CMC_MD2.ID02265.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02266.5p-miR	TJU_CMC_MD2.ID02266.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02267.3p-miR	TJU_CMC_MD2.ID02267.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02268.3p-miR	TJU_CMC_MD2.ID02268.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02269.3p-miR	TJU_CMC_MD2.ID02269.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02270.3p-miR	TJU_CMC_MD2.ID02270.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02271.3p-miR	TJU_CMC_MD2.ID02271.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02272.5p-miR	TJU_CMC_MD2.ID02272.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02273.3p-miR	TJU_CMC_MD2.ID02273.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02274.3p-miR	TJU_CMC_MD2.ID02274.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02275.5p-miR	TJU_CMC_MD2.ID02275.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02276.3p-miR	TJU_CMC_MD2.ID02276.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02276.5p-miR	TJU_CMC_MD2.ID02276.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02277.3p-miR	TJU_CMC_MD2.ID02277.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02277.5p-miR	TJU_CMC_MD2.ID02277.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02278.5p-miR	TJU_CMC_MD2.ID02278.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02279.3p-miR	TJU_CMC_MD2.ID02279.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02280.3p-miR	TJU_CMC_MD2.ID02280.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02280.5p-miR	TJU_CMC_MD2.ID02280.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02281.5p-miR	TJU_CMC_MD2.ID02281.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02282.5p-miR	TJU_CMC_MD2.ID02282.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02283.3p-miR	TJU_CMC_MD2.ID02283.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02284.3p-miR	TJU_CMC_MD2.ID02284.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02285.5p-miR	TJU_CMC_MD2.ID02285.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02286.3p-miR	TJU_CMC_MD2.ID02286.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02287.5p-miR	TJU_CMC_MD2.ID02287.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02288.5p-miR	TJU_CMC_MD2.ID02288.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02289.3p-miR	TJU_CMC_MD2.ID02289.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02289.5p-miR	TJU_CMC_MD2.ID02289.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02290.3p-miR	TJU_CMC_MD2.ID02290.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02290.5p-miR	TJU_CMC_MD2.ID02290.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02291.3p-miR	TJU_CMC_MD2.ID02291.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02291.5p-miR	TJU_CMC_MD2.ID02291.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02292.5p-miR	TJU_CMC_MD2.ID02292.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02293.3p-miR	TJU_CMC_MD2.ID02293.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02294.5p-miR	TJU_CMC_MD2.ID02294.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02295.3p-miR	TJU_CMC_MD2.ID02295.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02295.5p-miR	TJU_CMC_MD2.ID02295.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02296.5p-miR	TJU_CMC_MD2.ID02296.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02297.3p-miR	TJU_CMC_MD2.ID02297.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02298.3p-miR	TJU_CMC_MD2.ID02298.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02299.5p-miR	TJU_CMC_MD2.ID02299.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02300.3p-miR	TJU_CMC_MD2.ID02300.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02301.5p-miR	TJU_CMC_MD2.ID02301.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02302.3p-miR	TJU_CMC_MD2.ID02302.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02303.5p-miR	TJU_CMC_MD2.ID02303.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02304.5p-miR	TJU_CMC_MD2.ID02304.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02305.3p-miR	TJU_CMC_MD2.ID02305.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02306.3p-miR	TJU_CMC_MD2.ID02306.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02307.3p-miR	TJU_CMC_MD2.ID02307.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02308.3p-miR	TJU_CMC_MD2.ID02308.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02309.3p-miR	TJU_CMC_MD2.ID02309.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02310.3p-miR	TJU_CMC_MD2.ID02310.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02311.3p-miR	TJU_CMC_MD2.ID02311.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02312.5p-miR	TJU_CMC_MD2.ID02312.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02313.3p-miR	TJU_CMC_MD2.ID02313.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02314.3p-miR	TJU_CMC_MD2.ID02314.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02315.3p-miR	TJU_CMC_MD2.ID02315.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02316.3p-miR	TJU_CMC_MD2.ID02316.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02317.3p-miR	TJU_CMC_MD2.ID02317.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02318.5p-miR	TJU_CMC_MD2.ID02318.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02319.3p-miR	TJU_CMC_MD2.ID02319.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02320.3p-miR	TJU_CMC_MD2.ID02320.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02321.5p-miR	TJU_CMC_MD2.ID02321.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02322.5p-miR	TJU_CMC_MD2.ID02322.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02323.3p-miR	TJU_CMC_MD2.ID02323.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02324.3p-miR	TJU_CMC_MD2.ID02324.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02325.3p-miR	TJU_CMC_MD2.ID02325.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02325.5p-miR	TJU_CMC_MD2.ID02325.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02326.5p-miR	TJU_CMC_MD2.ID02326.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02327.5p-miR	TJU_CMC_MD2.ID02327.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02328.5p-miR	TJU_CMC_MD2.ID02328.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02329.3p-miR	TJU_CMC_MD2.ID02329.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02330.3p-miR	TJU_CMC_MD2.ID02330.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02331.3p-miR	TJU_CMC_MD2.ID02331.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02332.3p-miR	TJU_CMC_MD2.ID02332.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02333.3p-miR	TJU_CMC_MD2.ID02333.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02334.5p-miR	TJU_CMC_MD2.ID02334.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02335.5p-miR	TJU_CMC_MD2.ID02335.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02336.3p-miR	TJU_CMC_MD2.ID02336.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02337.3p-miR	TJU_CMC_MD2.ID02337.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02338.3p-miR	TJU_CMC_MD2.ID02338.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02338.5p-miR	TJU_CMC_MD2.ID02338.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02339.5p-miR	TJU_CMC_MD2.ID02339.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02340.3p-miR	TJU_CMC_MD2.ID02340.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02341.3p-miR	TJU_CMC_MD2.ID02341.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02342.5p-miR	TJU_CMC_MD2.ID02342.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02343.3p-miR	TJU_CMC_MD2.ID02343.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02344.3p-miR	TJU_CMC_MD2.ID02344.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02345.3p-miR	TJU_CMC_MD2.ID02345.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02346.3p-miR	TJU_CMC_MD2.ID02346.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02347.5p-miR	TJU_CMC_MD2.ID02347.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02348.3p-miR	TJU_CMC_MD2.ID02348.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02348.5p-miR	TJU_CMC_MD2.ID02348.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02349.3p-miR	TJU_CMC_MD2.ID02349.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02350.5p-miR	TJU_CMC_MD2.ID02350.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02351.5p-miR	TJU_CMC_MD2.ID02351.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02352.5p-miR	TJU_CMC_MD2.ID02352.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02353.3p-miR	TJU_CMC_MD2.ID02353.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02354.3p-miR	TJU_CMC_MD2.ID02354.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02355.3p-miR	TJU_CMC_MD2.ID02355.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02355.5p-miR	TJU_CMC_MD2.ID02355.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02356.3p-miR	TJU_CMC_MD2.ID02356.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02357.3p-miR	TJU_CMC_MD2.ID02357.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02358.3p-miR	TJU_CMC_MD2.ID02358.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02359.5p-miR	TJU_CMC_MD2.ID02359.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02360.5p-miR	TJU_CMC_MD2.ID02360.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02361.3p-miR	TJU_CMC_MD2.ID02361.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02362.5p-miR	TJU_CMC_MD2.ID02362.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02363.5p-miR	TJU_CMC_MD2.ID02363.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02364.3p-miR	TJU_CMC_MD2.ID02364.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02365.5p-miR	TJU_CMC_MD2.ID02365.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02366.3p-miR	TJU_CMC_MD2.ID02366.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02367.3p-miR	TJU_CMC_MD2.ID02367.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02367.5p-miR	TJU_CMC_MD2.ID02367.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02368.3p-miR	TJU_CMC_MD2.ID02368.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02369.5p-miR	TJU_CMC_MD2.ID02369.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02370.3p-miR	TJU_CMC_MD2.ID02370.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02371.5p-miR	TJU_CMC_MD2.ID02371.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02372.3p-miR	TJU_CMC_MD2.ID02372.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02373.5p-miR	TJU_CMC_MD2.ID02373.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02374.3p-miR	TJU_CMC_MD2.ID02374.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02375.3p-miR	TJU_CMC_MD2.ID02375.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02376.3p-miR	TJU_CMC_MD2.ID02376.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02376.5p-miR	TJU_CMC_MD2.ID02376.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02377.5p-miR	TJU_CMC_MD2.ID02377.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02378.5p-miR	TJU_CMC_MD2.ID02378.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02379.3p-miR	TJU_CMC_MD2.ID02379.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02380.5p-miR	TJU_CMC_MD2.ID02380.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02381.3p-miR	TJU_CMC_MD2.ID02381.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02382.3p-miR	TJU_CMC_MD2.ID02382.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02383.5p-miR	TJU_CMC_MD2.ID02383.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02384.5p-miR	TJU_CMC_MD2.ID02384.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02385.3p-miR	TJU_CMC_MD2.ID02385.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02386.3p-miR	TJU_CMC_MD2.ID02386.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02387.5p-miR	TJU_CMC_MD2.ID02387.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02388.3p-miR	TJU_CMC_MD2.ID02388.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02389.3p-miR	TJU_CMC_MD2.ID02389.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02390.3p-miR	TJU_CMC_MD2.ID02390.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02391.3p-miR	TJU_CMC_MD2.ID02391.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02392.3p-miR	TJU_CMC_MD2.ID02392.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02393.5p-miR	TJU_CMC_MD2.ID02393.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02394.5p-miR	TJU_CMC_MD2.ID02394.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02395.3p-miR	TJU_CMC_MD2.ID02395.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02396.3p-miR	TJU_CMC_MD2.ID02396.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02396.5p-miR	TJU_CMC_MD2.ID02396.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02397.3p-miR	TJU_CMC_MD2.ID02397.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02398.3p-miR	TJU_CMC_MD2.ID02398.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02399.3p-miR	TJU_CMC_MD2.ID02399.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02400.5p-miR	TJU_CMC_MD2.ID02400.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02401.3p-miR	TJU_CMC_MD2.ID02401.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02402.3p-miR	TJU_CMC_MD2.ID02402.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02403.3p-miR	TJU_CMC_MD2.ID02403.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02404.3p-miR	TJU_CMC_MD2.ID02404.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02405.5p-miR	TJU_CMC_MD2.ID02405.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02406.5p-miR	TJU_CMC_MD2.ID02406.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02407.3p-miR	TJU_CMC_MD2.ID02407.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02408.3p-miR	TJU_CMC_MD2.ID02408.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02409.3p-miR	TJU_CMC_MD2.ID02409.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02410.3p-miR	TJU_CMC_MD2.ID02410.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02410.5p-miR	TJU_CMC_MD2.ID02410.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02411.3p-miR	TJU_CMC_MD2.ID02411.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02411.5p-miR	TJU_CMC_MD2.ID02411.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02412.3p-miR	TJU_CMC_MD2.ID02412.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02413.5p-miR	TJU_CMC_MD2.ID02413.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02414.3p-miR	TJU_CMC_MD2.ID02414.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02415.3p-miR	TJU_CMC_MD2.ID02415.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02416.5p-miR	TJU_CMC_MD2.ID02416.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02417.5p-miR	TJU_CMC_MD2.ID02417.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02418.3p-miR	TJU_CMC_MD2.ID02418.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02419.3p-miR	TJU_CMC_MD2.ID02419.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02420.5p-miR	TJU_CMC_MD2.ID02420.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02421.5p-miR	TJU_CMC_MD2.ID02421.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02422.3p-miR	TJU_CMC_MD2.ID02422.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02422.5p-miR	TJU_CMC_MD2.ID02422.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02423.5p-miR	TJU_CMC_MD2.ID02423.hairpin	YES	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02424.3p-miR	TJU_CMC_MD2.ID02424.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02425.3p-miR	TJU_CMC_MD2.ID02425.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02426.5p-miR	TJU_CMC_MD2.ID02426.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02427.3p-miR	TJU_CMC_MD2.ID02427.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02428.3p-miR	TJU_CMC_MD2.ID02428.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02429.3p-miR	TJU_CMC_MD2.ID02429.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02430.3p-miR	TJU_CMC_MD2.ID02430.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02431.3p-miR	TJU_CMC_MD2.ID02431.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02432.3p-miR	TJU_CMC_MD2.ID02432.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02433.5p-miR	TJU_CMC_MD2.ID02433.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02434.3p-miR	TJU_CMC_MD2.ID02434.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02434.5p-miR	TJU_CMC_MD2.ID02434.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02435.5p-miR	TJU_CMC_MD2.ID02435.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02436.3p-miR	TJU_CMC_MD2.ID02436.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02437.3p-miR	TJU_CMC_MD2.ID02437.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02438.5p-miR	TJU_CMC_MD2.ID02438.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02439.5p-miR	TJU_CMC_MD2.ID02439.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02440.3p-miR	TJU_CMC_MD2.ID02440.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02441.5p-miR	TJU_CMC_MD2.ID02441.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02442.5p-miR	TJU_CMC_MD2.ID02442.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02443.3p-miR	TJU_CMC_MD2.ID02443.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02444.5p-miR	TJU_CMC_MD2.ID02444.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02445.3p-miR	TJU_CMC_MD2.ID02445.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02446.5p-miR	TJU_CMC_MD2.ID02446.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02447.5p-miR	TJU_CMC_MD2.ID02447.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02448.5p-miR	TJU_CMC_MD2.ID02448.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02449.3p-miR	TJU_CMC_MD2.ID02449.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02450.3p-miR	TJU_CMC_MD2.ID02450.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02451.5p-miR	TJU_CMC_MD2.ID02451.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02452.3p-miR	TJU_CMC_MD2.ID02452.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02453.3p-miR	TJU_CMC_MD2.ID02453.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02453.5p-miR	TJU_CMC_MD2.ID02453.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02454.5p-miR	TJU_CMC_MD2.ID02454.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02455.3p-miR	TJU_CMC_MD2.ID02455.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02456.3p-miR	TJU_CMC_MD2.ID02456.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02457.3p-miR	TJU_CMC_MD2.ID02457.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02458.3p-miR	TJU_CMC_MD2.ID02458.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02459.5p-miR	TJU_CMC_MD2.ID02459.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02460.5p-miR	TJU_CMC_MD2.ID02460.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02461.5p-miR	TJU_CMC_MD2.ID02461.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02462.5p-miR	TJU_CMC_MD2.ID02462.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02463.3p-miR	TJU_CMC_MD2.ID02463.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02464.5p-miR	TJU_CMC_MD2.ID02464.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02465.3p-miR	TJU_CMC_MD2.ID02465.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02466.3p-miR	TJU_CMC_MD2.ID02466.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02467.3p-miR	TJU_CMC_MD2.ID02467.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02468.5p-miR	TJU_CMC_MD2.ID02468.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02469.3p-miR	TJU_CMC_MD2.ID02469.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02470.3p-miR	TJU_CMC_MD2.ID02470.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02471.3p-miR	TJU_CMC_MD2.ID02471.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02472.3p-miR	TJU_CMC_MD2.ID02472.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02473.3p-miR	TJU_CMC_MD2.ID02473.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02474.3p-miR	TJU_CMC_MD2.ID02474.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02475.5p-miR	TJU_CMC_MD2.ID02475.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02476.3p-miR	TJU_CMC_MD2.ID02476.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02477.3p-miR	TJU_CMC_MD2.ID02477.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02478.3p-miR	TJU_CMC_MD2.ID02478.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02479.3p-miR	TJU_CMC_MD2.ID02479.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02480.5p-miR	TJU_CMC_MD2.ID02480.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02481.5p-miR	TJU_CMC_MD2.ID02481.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02482.3p-miR	TJU_CMC_MD2.ID02482.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02483.3p-miR	TJU_CMC_MD2.ID02483.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02484.3p-miR	TJU_CMC_MD2.ID02484.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02485.5p-miR	TJU_CMC_MD2.ID02485.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02486.3p-miR	TJU_CMC_MD2.ID02486.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02487.5p-miR	TJU_CMC_MD2.ID02487.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02488.3p-miR	TJU_CMC_MD2.ID02488.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02488.5p-miR	TJU_CMC_MD2.ID02488.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02489.3p-miR	TJU_CMC_MD2.ID02489.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02490.5p-miR	TJU_CMC_MD2.ID02490.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02491.3p-miR	TJU_CMC_MD2.ID02491.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02491.5p-miR	TJU_CMC_MD2.ID02491.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02492.3p-miR	TJU_CMC_MD2.ID02492.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02493.3p-miR	TJU_CMC_MD2.ID02493.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02494.3p-miR	TJU_CMC_MD2.ID02494.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02495.3p-miR	TJU_CMC_MD2.ID02495.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02496.5p-miR	TJU_CMC_MD2.ID02496.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02497.3p-miR	TJU_CMC_MD2.ID02497.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02498.5p-miR	TJU_CMC_MD2.ID02498.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02499.3p-miR	TJU_CMC_MD2.ID02499.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02500.3p-miR	TJU_CMC_MD2.ID02500.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02501.3p-miR	TJU_CMC_MD2.ID02501.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02502.3p-miR	TJU_CMC_MD2.ID02502.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02503.3p-miR	TJU_CMC_MD2.ID02503.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02504.5p-miR	TJU_CMC_MD2.ID02504.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02505.5p-miR	TJU_CMC_MD2.ID02505.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02506.3p-miR	TJU_CMC_MD2.ID02506.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02507.3p-miR	TJU_CMC_MD2.ID02507.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02508.5p-miR	TJU_CMC_MD2.ID02508.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02509.3p-miR	TJU_CMC_MD2.ID02509.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02510.3p-miR	TJU_CMC_MD2.ID02510.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02510.5p-miR	TJU_CMC_MD2.ID02510.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02511.3p-miR	TJU_CMC_MD2.ID02511.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02512.3p-miR	TJU_CMC_MD2.ID02512.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02513.5p-miR	TJU_CMC_MD2.ID02513.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02514.3p-miR	TJU_CMC_MD2.ID02514.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02514.5p-miR	TJU_CMC_MD2.ID02514.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02515.3p-miR	TJU_CMC_MD2.ID02515.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02516.3p-miR	TJU_CMC_MD2.ID02516.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02517.3p-miR	TJU_CMC_MD2.ID02517.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02518.3p-miR	TJU_CMC_MD2.ID02518.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02519.3p-miR	TJU_CMC_MD2.ID02519.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02520.5p-miR	TJU_CMC_MD2.ID02520.hairpin	YES	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02521.5p-miR	TJU_CMC_MD2.ID02521.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02522.3p-miR	TJU_CMC_MD2.ID02522.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02523.3p-miR	TJU_CMC_MD2.ID02523.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02524.5p-miR	TJU_CMC_MD2.ID02524.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02525.5p-miR	TJU_CMC_MD2.ID02525.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02526.3p-miR	TJU_CMC_MD2.ID02526.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02527.5p-miR	TJU_CMC_MD2.ID02527.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02528.3p-miR	TJU_CMC_MD2.ID02528.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02528.5p-miR	TJU_CMC_MD2.ID02528.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02529.5p-miR	TJU_CMC_MD2.ID02529.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02530.5p-miR	TJU_CMC_MD2.ID02530.hairpin	YES	NO	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02531.3p-miR	TJU_CMC_MD2.ID02531.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02532.3p-miR	TJU_CMC_MD2.ID02532.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02533.3p-miR	TJU_CMC_MD2.ID02533.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02534.5p-miR	TJU_CMC_MD2.ID02534.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02535.3p-miR	TJU_CMC_MD2.ID02535.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02536.5p-miR	TJU_CMC_MD2.ID02536.hairpin	YES	YES	YES	NO	YES	NO	NO	YES	NO
TJU_CMC_MD2.ID02537.5p-miR	TJU_CMC_MD2.ID02537.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02538.3p-miR	TJU_CMC_MD2.ID02538.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02539.3p-miR	TJU_CMC_MD2.ID02539.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02540.3p-miR	TJU_CMC_MD2.ID02540.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02541.5p-miR	TJU_CMC_MD2.ID02541.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02542.5p-miR	TJU_CMC_MD2.ID02542.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02543.3p-miR	TJU_CMC_MD2.ID02543.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02544.5p-miR	TJU_CMC_MD2.ID02544.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02545.3p-miR	TJU_CMC_MD2.ID02545.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02545.5p-miR	TJU_CMC_MD2.ID02545.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02546.5p-miR	TJU_CMC_MD2.ID02546.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02547.5p-miR	TJU_CMC_MD2.ID02547.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02548.5p-miR	TJU_CMC_MD2.ID02548.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02549.3p-miR	TJU_CMC_MD2.ID02549.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02550.3p-miR	TJU_CMC_MD2.ID02550.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02551.3p-miR	TJU_CMC_MD2.ID02551.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02552.3p-miR	TJU_CMC_MD2.ID02552.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02553.3p-miR	TJU_CMC_MD2.ID02553.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02554.3p-miR	TJU_CMC_MD2.ID02554.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02555.5p-miR	TJU_CMC_MD2.ID02555.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02556.3p-miR	TJU_CMC_MD2.ID02556.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02556.5p-miR	TJU_CMC_MD2.ID02556.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02557.3p-miR	TJU_CMC_MD2.ID02557.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02558.3p-miR	TJU_CMC_MD2.ID02558.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02559.5p-miR	TJU_CMC_MD2.ID02559.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02560.3p-miR	TJU_CMC_MD2.ID02560.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02561.5p-miR	TJU_CMC_MD2.ID02561.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02562.3p-miR	TJU_CMC_MD2.ID02562.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02563.3p-miR	TJU_CMC_MD2.ID02563.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02564.3p-miR	TJU_CMC_MD2.ID02564.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02565.3p-miR	TJU_CMC_MD2.ID02565.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02565.5p-miR	TJU_CMC_MD2.ID02565.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02566.3p-miR	TJU_CMC_MD2.ID02566.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02567.3p-miR	TJU_CMC_MD2.ID02567.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02568.3p-miR	TJU_CMC_MD2.ID02568.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02569.3p-miR	TJU_CMC_MD2.ID02569.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02570.3p-miR	TJU_CMC_MD2.ID02570.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02571.5p-miR	TJU_CMC_MD2.ID02571.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02572.5p-miR	TJU_CMC_MD2.ID02572.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02573.5p-miR	TJU_CMC_MD2.ID02573.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02574.3p-miR	TJU_CMC_MD2.ID02574.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02575.3p-miR	TJU_CMC_MD2.ID02575.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02576.5p-miR	TJU_CMC_MD2.ID02576.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02577.3p-miR	TJU_CMC_MD2.ID02577.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02578.3p-miR	TJU_CMC_MD2.ID02578.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02579.3p-miR	TJU_CMC_MD2.ID02579.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02579.5p-miR	TJU_CMC_MD2.ID02579.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02580.3p-miR	TJU_CMC_MD2.ID02580.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02581.5p-miR	TJU_CMC_MD2.ID02581.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02582.3p-miR	TJU_CMC_MD2.ID02582.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02583.5p-miR	TJU_CMC_MD2.ID02583.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02584.3p-miR	TJU_CMC_MD2.ID02584.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02585.5p-miR	TJU_CMC_MD2.ID02585.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02586.3p-miR	TJU_CMC_MD2.ID02586.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02587.3p-miR	TJU_CMC_MD2.ID02587.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02588.3p-miR	TJU_CMC_MD2.ID02588.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02589.5p-miR	TJU_CMC_MD2.ID02589.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02590.3p-miR	TJU_CMC_MD2.ID02590.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02591.5p-miR	TJU_CMC_MD2.ID02591.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02592.5p-miR	TJU_CMC_MD2.ID02592.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02593.5p-miR	TJU_CMC_MD2.ID02593.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02594.3p-miR	TJU_CMC_MD2.ID02594.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02595.5p-miR	TJU_CMC_MD2.ID02595.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02596.5p-miR	TJU_CMC_MD2.ID02596.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02597.3p-miR	TJU_CMC_MD2.ID02597.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02598.3p-miR	TJU_CMC_MD2.ID02598.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02599.3p-miR	TJU_CMC_MD2.ID02599.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02600.3p-miR	TJU_CMC_MD2.ID02600.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02601.5p-miR	TJU_CMC_MD2.ID02601.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02602.5p-miR	TJU_CMC_MD2.ID02602.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02603.3p-miR	TJU_CMC_MD2.ID02603.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02604.3p-miR	TJU_CMC_MD2.ID02604.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02604.5p-miR	TJU_CMC_MD2.ID02604.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02605.3p-miR	TJU_CMC_MD2.ID02605.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02606.5p-miR	TJU_CMC_MD2.ID02606.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02607.3p-miR	TJU_CMC_MD2.ID02607.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02608.5p-miR	TJU_CMC_MD2.ID02608.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02609.3p-miR	TJU_CMC_MD2.ID02609.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02610.3p-miR	TJU_CMC_MD2.ID02610.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02611.3p-miR	TJU_CMC_MD2.ID02611.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02612.5p-miR	TJU_CMC_MD2.ID02612.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02613.3p-miR	TJU_CMC_MD2.ID02613.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02614.3p-miR	TJU_CMC_MD2.ID02614.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02615.5p-miR	TJU_CMC_MD2.ID02615.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02616.5p-miR	TJU_CMC_MD2.ID02616.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02617.5p-miR	TJU_CMC_MD2.ID02617.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02618.3p-miR	TJU_CMC_MD2.ID02618.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02619.5p-miR	TJU_CMC_MD2.ID02619.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02620.5p-miR	TJU_CMC_MD2.ID02620.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02621.3p-miR	TJU_CMC_MD2.ID02621.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02622.3p-miR	TJU_CMC_MD2.ID02622.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02623.3p-miR	TJU_CMC_MD2.ID02623.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02624.3p-miR	TJU_CMC_MD2.ID02624.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02625.5p-miR	TJU_CMC_MD2.ID02625.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02626.5p-miR	TJU_CMC_MD2.ID02626.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID02627.5p-miR	TJU_CMC_MD2.ID02627.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02628.5p-miR	TJU_CMC_MD2.ID02628.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02629.3p-miR	TJU_CMC_MD2.ID02629.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02629.5p-miR	TJU_CMC_MD2.ID02629.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02630.3p-miR	TJU_CMC_MD2.ID02630.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02631.5p-miR	TJU_CMC_MD2.ID02631.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02632.5p-miR	TJU_CMC_MD2.ID02632.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02633.3p-miR	TJU_CMC_MD2.ID02633.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02634.3p-miR	TJU_CMC_MD2.ID02634.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02635.5p-miR	TJU_CMC_MD2.ID02635.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02636.5p-miR	TJU_CMC_MD2.ID02636.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02637.3p-miR	TJU_CMC_MD2.ID02637.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02638.3p-miR	TJU_CMC_MD2.ID02638.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02638.5p-miR	TJU_CMC_MD2.ID02638.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02639.5p-miR	TJU_CMC_MD2.ID02639.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02640.3p-miR	TJU_CMC_MD2.ID02640.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02641.5p-miR	TJU_CMC_MD2.ID02641.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02642.3p-miR	TJU_CMC_MD2.ID02642.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02642.5p-miR	TJU_CMC_MD2.ID02642.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02643.3p-miR	TJU_CMC_MD2.ID02643.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02644.3p-miR	TJU_CMC_MD2.ID02644.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02645.5p-miR	TJU_CMC_MD2.ID02645.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02646.3p-miR	TJU_CMC_MD2.ID02646.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02647.3p-miR	TJU_CMC_MD2.ID02647.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02648.5p-miR	TJU_CMC_MD2.ID02648.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02649.5p-miR	TJU_CMC_MD2.ID02649.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02650.3p-miR	TJU_CMC_MD2.ID02650.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02651.5p-miR	TJU_CMC_MD2.ID02651.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02652.5p-miR	TJU_CMC_MD2.ID02652.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02653.3p-miR	TJU_CMC_MD2.ID02653.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02654.3p-miR	TJU_CMC_MD2.ID02654.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02655.3p-miR	TJU_CMC_MD2.ID02655.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02656.5p-miR	TJU_CMC_MD2.ID02656.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02657.5p-miR	TJU_CMC_MD2.ID02657.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02658.5p-miR	TJU_CMC_MD2.ID02658.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02659.3p-miR	TJU_CMC_MD2.ID02659.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02660.3p-miR	TJU_CMC_MD2.ID02660.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02661.5p-miR	TJU_CMC_MD2.ID02661.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02662.5p-miR	TJU_CMC_MD2.ID02662.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02663.5p-miR	TJU_CMC_MD2.ID02663.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02664.5p-miR	TJU_CMC_MD2.ID02664.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02665.3p-miR	TJU_CMC_MD2.ID02665.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02666.5p-miR	TJU_CMC_MD2.ID02666.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02667.5p-miR	TJU_CMC_MD2.ID02667.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02668.5p-miR	TJU_CMC_MD2.ID02668.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02669.5p-miR	TJU_CMC_MD2.ID02669.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02670.3p-miR	TJU_CMC_MD2.ID02670.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02670.5p-miR	TJU_CMC_MD2.ID02670.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02671.5p-miR	TJU_CMC_MD2.ID02671.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02672.5p-miR	TJU_CMC_MD2.ID02672.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02673.5p-miR	TJU_CMC_MD2.ID02673.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02674.3p-miR	TJU_CMC_MD2.ID02674.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02675.3p-miR	TJU_CMC_MD2.ID02675.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02676.5p-miR	TJU_CMC_MD2.ID02676.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02677.5p-miR	TJU_CMC_MD2.ID02677.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02678.3p-miR	TJU_CMC_MD2.ID02678.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02679.3p-miR	TJU_CMC_MD2.ID02679.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02680.3p-miR	TJU_CMC_MD2.ID02680.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02681.3p-miR	TJU_CMC_MD2.ID02681.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02682.5p-miR	TJU_CMC_MD2.ID02682.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02683.3p-miR	TJU_CMC_MD2.ID02683.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02683.5p-miR	TJU_CMC_MD2.ID02683.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02684.5p-miR	TJU_CMC_MD2.ID02684.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02685.3p-miR	TJU_CMC_MD2.ID02685.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02686.5p-miR	TJU_CMC_MD2.ID02686.hairpin	YES	NO	NO	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID02687.3p-miR	TJU_CMC_MD2.ID02687.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02687.5p-miR	TJU_CMC_MD2.ID02687.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02688.5p-miR	TJU_CMC_MD2.ID02688.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02689.3p-miR	TJU_CMC_MD2.ID02689.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02690.3p-miR	TJU_CMC_MD2.ID02690.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02690.5p-miR	TJU_CMC_MD2.ID02690.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02691.5p-miR	TJU_CMC_MD2.ID02691.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02692.3p-miR	TJU_CMC_MD2.ID02692.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02692.5p-miR	TJU_CMC_MD2.ID02692.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02693.3p-miR	TJU_CMC_MD2.ID02693.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02694.3p-miR	TJU_CMC_MD2.ID02694.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02695.3p-miR	TJU_CMC_MD2.ID02695.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02696.5p-miR	TJU_CMC_MD2.ID02696.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02697.3p-miR	TJU_CMC_MD2.ID02697.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02698.3p-miR	TJU_CMC_MD2.ID02698.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02699.5p-miR	TJU_CMC_MD2.ID02699.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02700.3p-miR	TJU_CMC_MD2.ID02700.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02700.5p-miR	TJU_CMC_MD2.ID02700.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02701.5p-miR	TJU_CMC_MD2.ID02701.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02702.3p-miR	TJU_CMC_MD2.ID02702.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02703.3p-miR	TJU_CMC_MD2.ID02703.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02704.3p-miR	TJU_CMC_MD2.ID02704.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02704.5p-miR	TJU_CMC_MD2.ID02704.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02705.3p-miR	TJU_CMC_MD2.ID02705.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02706.5p-miR	TJU_CMC_MD2.ID02706.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02707.3p-miR	TJU_CMC_MD2.ID02707.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02708.5p-miR	TJU_CMC_MD2.ID02708.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02709.3p-miR	TJU_CMC_MD2.ID02709.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02710.3p-miR	TJU_CMC_MD2.ID02710.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02711.5p-miR	TJU_CMC_MD2.ID02711.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02712.3p-miR	TJU_CMC_MD2.ID02712.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02712.5p-miR	TJU_CMC_MD2.ID02712.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02713.3p-miR	TJU_CMC_MD2.ID02713.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02713.5p-miR	TJU_CMC_MD2.ID02713.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02714.5p-miR	TJU_CMC_MD2.ID02714.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02715.3p-miR	TJU_CMC_MD2.ID02715.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02716.5p-miR	TJU_CMC_MD2.ID02716.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02717.5p-miR	TJU_CMC_MD2.ID02717.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02718.3p-miR	TJU_CMC_MD2.ID02718.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02719.3p-miR	TJU_CMC_MD2.ID02719.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02720.3p-miR	TJU_CMC_MD2.ID02720.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02721.5p-miR	TJU_CMC_MD2.ID02721.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02722.3p-miR	TJU_CMC_MD2.ID02722.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02723.3p-miR	TJU_CMC_MD2.ID02723.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02724.5p-miR	TJU_CMC_MD2.ID02724.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02725.3p-miR	TJU_CMC_MD2.ID02725.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02726.3p-miR	TJU_CMC_MD2.ID02726.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02727.5p-miR	TJU_CMC_MD2.ID02727.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02728.5p-miR	TJU_CMC_MD2.ID02728.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02729.5p-miR	TJU_CMC_MD2.ID02729.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02730.5p-miR	TJU_CMC_MD2.ID02730.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02731.3p-miR	TJU_CMC_MD2.ID02731.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02732.3p-miR	TJU_CMC_MD2.ID02732.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02733.5p-miR	TJU_CMC_MD2.ID02733.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02734.3p-miR	TJU_CMC_MD2.ID02734.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02735.3p-miR	TJU_CMC_MD2.ID02735.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02736.5p-miR	TJU_CMC_MD2.ID02736.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID02737.3p-miR	TJU_CMC_MD2.ID02737.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02738.3p-miR	TJU_CMC_MD2.ID02738.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02739.5p-miR	TJU_CMC_MD2.ID02739.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02740.3p-miR	TJU_CMC_MD2.ID02740.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02741.3p-miR	TJU_CMC_MD2.ID02741.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02742.5p-miR	TJU_CMC_MD2.ID02742.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02743.5p-miR	TJU_CMC_MD2.ID02743.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02744.3p-miR	TJU_CMC_MD2.ID02744.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02745.3p-miR	TJU_CMC_MD2.ID02745.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02746.5p-miR	TJU_CMC_MD2.ID02746.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02747.5p-miR	TJU_CMC_MD2.ID02747.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02748.3p-miR	TJU_CMC_MD2.ID02748.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02749.5p-miR	TJU_CMC_MD2.ID02749.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02750.3p-miR	TJU_CMC_MD2.ID02750.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02751.3p-miR	TJU_CMC_MD2.ID02751.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02752.3p-miR	TJU_CMC_MD2.ID02752.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02753.3p-miR	TJU_CMC_MD2.ID02753.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02753.5p-miR	TJU_CMC_MD2.ID02753.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02754.5p-miR	TJU_CMC_MD2.ID02754.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02755.3p-miR	TJU_CMC_MD2.ID02755.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02756.3p-miR	TJU_CMC_MD2.ID02756.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02757.3p-miR	TJU_CMC_MD2.ID02757.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02758.3p-miR	TJU_CMC_MD2.ID02758.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02759.3p-miR	TJU_CMC_MD2.ID02759.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02759.5p-miR	TJU_CMC_MD2.ID02759.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02760.3p-miR	TJU_CMC_MD2.ID02760.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02761.3p-miR	TJU_CMC_MD2.ID02761.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02762.5p-miR	TJU_CMC_MD2.ID02762.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02763.3p-miR	TJU_CMC_MD2.ID02763.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02764.5p-miR	TJU_CMC_MD2.ID02764.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02765.3p-miR	TJU_CMC_MD2.ID02765.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02766.3p-miR	TJU_CMC_MD2.ID02766.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02767.3p-miR	TJU_CMC_MD2.ID02767.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02768.3p-miR	TJU_CMC_MD2.ID02768.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02769.5p-miR	TJU_CMC_MD2.ID02769.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02770.5p-miR	TJU_CMC_MD2.ID02770.hairpin	YES	YES	NO	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID02771.3p-miR	TJU_CMC_MD2.ID02771.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02772.5p-miR	TJU_CMC_MD2.ID02772.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02773.3p-miR	TJU_CMC_MD2.ID02773.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02774.5p-miR	TJU_CMC_MD2.ID02774.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02775.5p-miR	TJU_CMC_MD2.ID02775.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02776.5p-miR	TJU_CMC_MD2.ID02776.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02777.3p-miR	TJU_CMC_MD2.ID02777.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02778.3p-miR	TJU_CMC_MD2.ID02778.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02779.3p-miR	TJU_CMC_MD2.ID02779.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02780.3p-miR	TJU_CMC_MD2.ID02780.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02781.3p-miR	TJU_CMC_MD2.ID02781.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02782.5p-miR	TJU_CMC_MD2.ID02782.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02783.5p-miR	TJU_CMC_MD2.ID02783.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02784.3p-miR	TJU_CMC_MD2.ID02784.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02785.3p-miR	TJU_CMC_MD2.ID02785.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02786.5p-miR	TJU_CMC_MD2.ID02786.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02787.5p-miR	TJU_CMC_MD2.ID02787.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02788.3p-miR	TJU_CMC_MD2.ID02788.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02789.5p-miR	TJU_CMC_MD2.ID02789.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02790.5p-miR	TJU_CMC_MD2.ID02790.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02791.5p-miR	TJU_CMC_MD2.ID02791.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02792.3p-miR	TJU_CMC_MD2.ID02792.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02793.3p-miR	TJU_CMC_MD2.ID02793.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02794.3p-miR	TJU_CMC_MD2.ID02794.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02795.3p-miR	TJU_CMC_MD2.ID02795.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02795.5p-miR	TJU_CMC_MD2.ID02795.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02796.3p-miR	TJU_CMC_MD2.ID02796.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02797.3p-miR	TJU_CMC_MD2.ID02797.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02798.3p-miR	TJU_CMC_MD2.ID02798.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02799.5p-miR	TJU_CMC_MD2.ID02799.hairpin	YES	NO	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID02800.3p-miR	TJU_CMC_MD2.ID02800.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02801.3p-miR	TJU_CMC_MD2.ID02801.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02802.3p-miR	TJU_CMC_MD2.ID02802.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02803.5p-miR	TJU_CMC_MD2.ID02803.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02804.5p-miR	TJU_CMC_MD2.ID02804.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02805.5p-miR	TJU_CMC_MD2.ID02805.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID02806.3p-miR	TJU_CMC_MD2.ID02806.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02807.3p-miR	TJU_CMC_MD2.ID02807.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02808.3p-miR	TJU_CMC_MD2.ID02808.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02808.5p-miR	TJU_CMC_MD2.ID02808.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02809.3p-miR	TJU_CMC_MD2.ID02809.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02810.5p-miR	TJU_CMC_MD2.ID02810.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02811.5p-miR	TJU_CMC_MD2.ID02811.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02812.3p-miR	TJU_CMC_MD2.ID02812.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02813.3p-miR	TJU_CMC_MD2.ID02813.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02814.5p-miR	TJU_CMC_MD2.ID02814.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02815.3p-miR	TJU_CMC_MD2.ID02815.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02816.3p-miR	TJU_CMC_MD2.ID02816.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02817.3p-miR	TJU_CMC_MD2.ID02817.hairpin	YES	YES	YES	NO	YES	YES	NO	NO
TJU_CMC_MD2.ID02817.5p-miR	TJU_CMC_MD2.ID02817.hairpin	YES	YES	YES	NO	YES	YES	NO	NO
TJU_CMC_MD2.ID02818.5p-miR	TJU_CMC_MD2.ID02818.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02819.5p-miR	TJU_CMC_MD2.ID02819.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02820.3p-miR	TJU_CMC_MD2.ID02820.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02821.3p-miR	TJU_CMC_MD2.ID02821.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02821.5p-miR	TJU_CMC_MD2.ID02821.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02822.5p-miR	TJU_CMC_MD2.ID02822.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02823.3p-miR	TJU_CMC_MD2.ID02823.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02824.3p-miR	TJU_CMC_MD2.ID02824.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02825.3p-miR	TJU_CMC_MD2.ID02825.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02826.3p-miR	TJU_CMC_MD2.ID02826.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02827.3p-miR	TJU_CMC_MD2.ID02827.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02828.3p-miR	TJU_CMC_MD2.ID02828.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02829.5p-miR	TJU_CMC_MD2.ID02829.hairpin	YES	YES	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02830.3p-miR	TJU_CMC_MD2.ID02830.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02831.3p-miR	TJU_CMC_MD2.ID02831.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02831.5p-miR	TJU_CMC_MD2.ID02831.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02832.3p-miR	TJU_CMC_MD2.ID02832.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02833.5p-miR	TJU_CMC_MD2.ID02833.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02834.3p-miR	TJU_CMC_MD2.ID02834.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02835.3p-miR	TJU_CMC_MD2.ID02835.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02835.5p-miR	TJU_CMC_MD2.ID02835.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02836.3p-miR	TJU_CMC_MD2.ID02836.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02837.5p-miR	TJU_CMC_MD2.ID02837.hairpin	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02838.5p-miR	TJU_CMC_MD2.ID02838.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02839.3p-miR	TJU_CMC_MD2.ID02839.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02840.3p-miR	TJU_CMC_MD2.ID02840.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02841.5p-miR	TJU_CMC_MD2.ID02841.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02842.5p-miR	TJU_CMC_MD2.ID02842.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02843.5p-miR	TJU_CMC_MD2.ID02843.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02844.5p-miR	TJU_CMC_MD2.ID02844.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02845.5p-miR	TJU_CMC_MD2.ID02845.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02846.3p-miR	TJU_CMC_MD2.ID02846.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02847.5p-miR	TJU_CMC_MD2.ID02847.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02848.3p-miR	TJU_CMC_MD2.ID02848.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02849.5p-miR	TJU_CMC_MD2.ID02849.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02850.3p-miR	TJU_CMC_MD2.ID02850.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02851.5p-miR	TJU_CMC_MD2.ID02851.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02852.5p-miR	TJU_CMC_MD2.ID02852.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02853.3p-miR	TJU_CMC_MD2.ID02853.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02854.5p-miR	TJU_CMC_MD2.ID02854.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02855.5p-miR	TJU_CMC_MD2.ID02855.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02856.5p-miR	TJU_CMC_MD2.ID02856.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02857.3p-miR	TJU_CMC_MD2.ID02857.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02858.3p-miR	TJU_CMC_MD2.ID02858.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02859.3p-miR	TJU_CMC_MD2.ID02859.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02860.5p-miR	TJU_CMC_MD2.ID02860.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02861.3p-miR	TJU_CMC_MD2.ID02861.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02862.3p-miR	TJU_CMC_MD2.ID02862.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02863.3p-miR	TJU_CMC_MD2.ID02863.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02864.5p-miR	TJU_CMC_MD2.ID02864.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02865.5p-miR	TJU_CMC_MD2.ID02865.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02866.5p-miR	TJU_CMC_MD2.ID02866.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02867.3p-miR	TJU_CMC_MD2.ID02867.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02868.3p-miR	TJU_CMC_MD2.ID02868.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02869.3p-miR	TJU_CMC_MD2.ID02869.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02870.5p-miR	TJU_CMC_MD2.ID02870.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02871.5p-miR	TJU_CMC_MD2.ID02871.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02872.3p-miR	TJU_CMC_MD2.ID02872.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02873.3p-miR	TJU_CMC_MD2.ID02873.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02874.5p-miR	TJU_CMC_MD2.ID02874.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02875.5p-miR	TJU_CMC_MD2.ID02875.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02876.3p-miR	TJU_CMC_MD2.ID02876.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02876.5p-miR	TJU_CMC_MD2.ID02876.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02877.5p-miR	TJU_CMC_MD2.ID02877.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02878.3p-miR	TJU_CMC_MD2.ID02878.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02878.5p-miR	TJU_CMC_MD2.ID02878.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02879.3p-miR	TJU_CMC_MD2.ID02879.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02880.3p-miR	TJU_CMC_MD2.ID02880.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02881.3p-miR	TJU_CMC_MD2.ID02881.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02882.3p-miR	TJU_CMC_MD2.ID02882.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02883.3p-miR	TJU_CMC_MD2.ID02883.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02884.3p-miR	TJU_CMC_MD2.ID02884.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02885.3p-miR	TJU_CMC_MD2.ID02885.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02886.5p-miR	TJU_CMC_MD2.ID02886.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02887.3p-miR	TJU_CMC_MD2.ID02887.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02888.5p-miR	TJU_CMC_MD2.ID02888.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02889.3p-miR	TJU_CMC_MD2.ID02889.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02890.3p-miR	TJU_CMC_MD2.ID02890.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02890.5p-miR	TJU_CMC_MD2.ID02890.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02891.3p-miR	TJU_CMC_MD2.ID02891.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02892.3p-miR	TJU_CMC_MD2.ID02892.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02893.5p-miR	TJU_CMC_MD2.ID02893.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02894.3p-miR	TJU_CMC_MD2.ID02894.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02895.3p-miR	TJU_CMC_MD2.ID02895.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02896.5p-miR	TJU_CMC_MD2.ID02896.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02897.3p-miR	TJU_CMC_MD2.ID02897.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02898.3p-miR	TJU_CMC_MD2.ID02898.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02899.3p-miR	TJU_CMC_MD2.ID02899.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02900.5p-miR	TJU_CMC_MD2.ID02900.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02901.3p-miR	TJU_CMC_MD2.ID02901.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02902.5p-miR	TJU_CMC_MD2.ID02902.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02903.3p-miR	TJU_CMC_MD2.ID02903.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02904.5p-miR	TJU_CMC_MD2.ID02904.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02905.3p-miR	TJU_CMC_MD2.ID02905.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02906.3p-miR	TJU_CMC_MD2.ID02906.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02907.3p-miR	TJU_CMC_MD2.ID02907.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02908.3p-miR	TJU_CMC_MD2.ID02908.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02909.5p-miR	TJU_CMC_MD2.ID02909.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02910.5p-miR	TJU_CMC_MD2.ID02910.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02911.5p-miR	TJU_CMC_MD2.ID02911.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02912.3p-miR	TJU_CMC_MD2.ID02912.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02912.5p-miR	TJU_CMC_MD2.ID02912.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02913.5p-miR	TJU_CMC_MD2.ID02913.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02914.3p-miR	TJU_CMC_MD2.ID02914.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02915.3p-miR	TJU_CMC_MD2.ID02915.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02916.5p-miR	TJU_CMC_MD2.ID02916.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02917.3p-miR	TJU_CMC_MD2.ID02917.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02918.5p-miR	TJU_CMC_MD2.ID02918.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02919.5p-miR	TJU_CMC_MD2.ID02919.hairpin	YES	YES	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02920.3p-miR	TJU_CMC_MD2.ID02920.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02921.3p-miR	TJU_CMC_MD2.ID02921.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02921.5p-miR	TJU_CMC_MD2.ID02921.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02922.3p-miR	TJU_CMC_MD2.ID02922.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02923.5p-miR	TJU_CMC_MD2.ID02923.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02924.3p-miR	TJU_CMC_MD2.ID02924.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02925.3p-miR	TJU_CMC_MD2.ID02925.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02926.5p-miR	TJU_CMC_MD2.ID02926.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02927.5p-miR	TJU_CMC_MD2.ID02927.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02928.3p-miR	TJU_CMC_MD2.ID02928.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02929.3p-miR	TJU_CMC_MD2.ID02929.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02930.3p-miR	TJU_CMC_MD2.ID02930.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02931.3p-miR	TJU_CMC_MD2.ID02931.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02931.5p-miR	TJU_CMC_MD2.ID02931.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02932.5p-miR	TJU_CMC_MD2.ID02932.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02933.5p-miR	TJU_CMC_MD2.ID02933.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02934.5p-miR	TJU_CMC_MD2.ID02934.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02935.3p-miR	TJU_CMC_MD2.ID02935.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02936.5p-miR	TJU_CMC_MD2.ID02936.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02937.5p-miR	TJU_CMC_MD2.ID02937.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02938.3p-miR	TJU_CMC_MD2.ID02938.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02939.5p-miR	TJU_CMC_MD2.ID02939.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID02940.3p-miR	TJU_CMC_MD2.ID02940.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02941.3p-miR	TJU_CMC_MD2.ID02941.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02942.5p-miR	TJU_CMC_MD2.ID02942.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02943.5p-miR	TJU_CMC_MD2.ID02943.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02944.5p-miR	TJU_CMC_MD2.ID02944.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02945.3p-miR	TJU_CMC_MD2.ID02945.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02945.5p-miR	TJU_CMC_MD2.ID02945.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02946.5p-miR	TJU_CMC_MD2.ID02946.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02947.3p-miR	TJU_CMC_MD2.ID02947.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02948.5p-miR	TJU_CMC_MD2.ID02948.hairpin	YES	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID02949.3p-miR	TJU_CMC_MD2.ID02949.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02950.3p-miR	TJU_CMC_MD2.ID02950.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02951.3p-miR	TJU_CMC_MD2.ID02951.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02952.3p-miR	TJU_CMC_MD2.ID02952.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02953.5p-miR	TJU_CMC_MD2.ID02953.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02954.3p-miR	TJU_CMC_MD2.ID02954.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02955.3p-miR	TJU_CMC_MD2.ID02955.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02956.5p-miR	TJU_CMC_MD2.ID02956.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02957.5p-miR	TJU_CMC_MD2.ID02957.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02958.3p-miR	TJU_CMC_MD2.ID02958.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02959.3p-miR	TJU_CMC_MD2.ID02959.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02960.3p-miR	TJU_CMC_MD2.ID02960.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02961.5p-miR	TJU_CMC_MD2.ID02961.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02962.3p-miR	TJU_CMC_MD2.ID02962.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02963.5p-miR	TJU_CMC_MD2.ID02963.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02964.3p-miR	TJU_CMC_MD2.ID02964.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02965.5p-miR	TJU_CMC_MD2.ID02965.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02966.5p-miR	TJU_CMC_MD2.ID02966.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02967.3p-miR	TJU_CMC_MD2.ID02967.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02968.3p-miR	TJU_CMC_MD2.ID02968.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02969.3p-miR	TJU_CMC_MD2.ID02969.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02970.5p-miR	TJU_CMC_MD2.ID02970.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02971.3p-miR	TJU_CMC_MD2.ID02971.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02972.5p-miR	TJU_CMC_MD2.ID02972.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02973.3p-miR	TJU_CMC_MD2.ID02973.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02974.3p-miR	TJU_CMC_MD2.ID02974.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID02975.3p-miR	TJU_CMC_MD2.ID02975.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02976.5p-miR	TJU_CMC_MD2.ID02976.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02977.3p-miR	TJU_CMC_MD2.ID02977.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02978.3p-miR	TJU_CMC_MD2.ID02978.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02979.5p-miR	TJU_CMC_MD2.ID02979.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02980.3p-miR	TJU_CMC_MD2.ID02980.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02981.3p-miR	TJU_CMC_MD2.ID02981.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02982.3p-miR	TJU_CMC_MD2.ID02982.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02983.3p-miR	TJU_CMC_MD2.ID02983.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02984.3p-miR	TJU_CMC_MD2.ID02984.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02985.3p-miR	TJU_CMC_MD2.ID02985.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02986.5p-miR	TJU_CMC_MD2.ID02986.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02987.5p-miR	TJU_CMC_MD2.ID02987.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02988.5p-miR	TJU_CMC_MD2.ID02988.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02989.3p-miR	TJU_CMC_MD2.ID02989.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02990.3p-miR	TJU_CMC_MD2.ID02990.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02991.3p-miR	TJU_CMC_MD2.ID02991.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02992.5p-miR	TJU_CMC_MD2.ID02992.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02993.5p-miR	TJU_CMC_MD2.ID02993.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID02994.3p-miR	TJU_CMC_MD2.ID02994.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02995.3p-miR	TJU_CMC_MD2.ID02995.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02996.5p-miR	TJU_CMC_MD2.ID02996.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID02997.5p-miR	TJU_CMC_MD2.ID02997.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02998.3p-miR	TJU_CMC_MD2.ID02998.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID02999.5p-miR	TJU_CMC_MD2.ID02999.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03000.5p-miR	TJU_CMC_MD2.ID03000.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03001.3p-miR	TJU_CMC_MD2.ID03001.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03002.5p-miR	TJU_CMC_MD2.ID03002.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03003.5p-miR	TJU_CMC_MD2.ID03003.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03004.3p-miR	TJU_CMC_MD2.ID03004.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03005.3p-miR	TJU_CMC_MD2.ID03005.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03006.5p-miR	TJU_CMC_MD2.ID03006.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03007.5p-miR	TJU_CMC_MD2.ID03007.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03008.5p-miR	TJU_CMC_MD2.ID03008.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID03009.3p-miR	TJU_CMC_MD2.ID03009.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03010.5p-miR	TJU_CMC_MD2.ID03010.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03011.5p-miR	TJU_CMC_MD2.ID03011.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03012.3p-miR	TJU_CMC_MD2.ID03012.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03013.5p-miR	TJU_CMC_MD2.ID03013.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03014.3p-miR	TJU_CMC_MD2.ID03014.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03015.3p-miR	TJU_CMC_MD2.ID03015.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03016.3p-miR	TJU_CMC_MD2.ID03016.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03017.5p-miR	TJU_CMC_MD2.ID03017.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03018.3p-miR	TJU_CMC_MD2.ID03018.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03019.5p-miR	TJU_CMC_MD2.ID03019.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03020.3p-miR	TJU_CMC_MD2.ID03020.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03021.5p-miR	TJU_CMC_MD2.ID03021.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03022.3p-miR	TJU_CMC_MD2.ID03022.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03023.3p-miR	TJU_CMC_MD2.ID03023.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03024.5p-miR	TJU_CMC_MD2.ID03024.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03025.5p-miR	TJU_CMC_MD2.ID03025.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03026.5p-miR	TJU_CMC_MD2.ID03026.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03027.3p-miR	TJU_CMC_MD2.ID03027.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03028.3p-miR	TJU_CMC_MD2.ID03028.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03029.3p-miR	TJU_CMC_MD2.ID03029.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03030.3p-miR	TJU_CMC_MD2.ID03030.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03031.5p-miR	TJU_CMC_MD2.ID03031.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03032.3p-miR	TJU_CMC_MD2.ID03032.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03033.3p-miR	TJU_CMC_MD2.ID03033.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03034.5p-miR	TJU_CMC_MD2.ID03034.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03035.3p-miR	TJU_CMC_MD2.ID03035.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03036.3p-miR	TJU_CMC_MD2.ID03036.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03037.3p-miR	TJU_CMC_MD2.ID03037.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03038.3p-miR	TJU_CMC_MD2.ID03038.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03039.3p-miR	TJU_CMC_MD2.ID03039.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03040.3p-miR	TJU_CMC_MD2.ID03040.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03041.3p-miR	TJU_CMC_MD2.ID03041.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03042.5p-miR	TJU_CMC_MD2.ID03042.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03043.5p-miR	TJU_CMC_MD2.ID03043.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03044.3p-miR	TJU_CMC_MD2.ID03044.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03045.3p-miR	TJU_CMC_MD2.ID03045.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03046.3p-miR	TJU_CMC_MD2.ID03046.hairpin	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03047.3p-miR	TJU_CMC_MD2.ID03047.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03048.3p-miR	TJU_CMC_MD2.ID03048.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03049.5p-miR	TJU_CMC_MD2.ID03049.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03050.3p-miR	TJU_CMC_MD2.ID03050.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03051.3p-miR	TJU_CMC_MD2.ID03051.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03052.5p-miR	TJU_CMC_MD2.ID03052.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03053.3p-miR	TJU_CMC_MD2.ID03053.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03054.3p-miR	TJU_CMC_MD2.ID03054.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03055.5p-miR	TJU_CMC_MD2.ID03055.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03056.3p-miR	TJU_CMC_MD2.ID03056.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03057.3p-miR	TJU_CMC_MD2.ID03057.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03058.3p-miR	TJU_CMC_MD2.ID03058.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03059.3p-miR	TJU_CMC_MD2.ID03059.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03060.3p-miR	TJU_CMC_MD2.ID03060.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03061.3p-miR	TJU_CMC_MD2.ID03061.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03061.5p-miR	TJU_CMC_MD2.ID03061.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03062.3p-miR	TJU_CMC_MD2.ID03062.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03063.3p-miR	TJU_CMC_MD2.ID03063.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03063.5p-miR	TJU_CMC_MD2.ID03063.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03064.3p-miR	TJU_CMC_MD2.ID03064.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03065.3p-miR	TJU_CMC_MD2.ID03065.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03066.3p-miR	TJU_CMC_MD2.ID03066.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03066.5p-miR	TJU_CMC_MD2.ID03066.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03067.5p-miR	TJU_CMC_MD2.ID03067.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03068.3p-miR	TJU_CMC_MD2.ID03068.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03069.5p-miR	TJU_CMC_MD2.ID03069.hairpin	YES	NO	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID03070.3p-miR	TJU_CMC_MD2.ID03070.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03071.3p-miR	TJU_CMC_MD2.ID03071.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03072.5p-miR	TJU_CMC_MD2.ID03072.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03073.3p-miR	TJU_CMC_MD2.ID03073.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03074.5p-miR	TJU_CMC_MD2.ID03074.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03075.5p-miR	TJU_CMC_MD2.ID03075.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03076.5p-miR	TJU_CMC_MD2.ID03076.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03077.3p-miR	TJU_CMC_MD2.ID03077.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03078.3p-miR	TJU_CMC_MD2.ID03078.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03079.5p-miR	TJU_CMC_MD2.ID03079.hairpin	YES	YES	YES	YES	YES	NO	NO	NO

TJU_CMC_MD2.ID03080.5p-miR	TJU_CMC_MD2.ID03080.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID03081.5p-miR	TJU_CMC_MD2.ID03081.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03082.3p-miR	TJU_CMC_MD2.ID03082.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03083.5p-miR	TJU_CMC_MD2.ID03083.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03084.3p-miR	TJU_CMC_MD2.ID03084.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03085.5p-miR	TJU_CMC_MD2.ID03085.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03086.5p-miR	TJU_CMC_MD2.ID03086.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03087.3p-miR	TJU_CMC_MD2.ID03087.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03088.3p-miR	TJU_CMC_MD2.ID03088.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03089.5p-miR	TJU_CMC_MD2.ID03089.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03090.3p-miR	TJU_CMC_MD2.ID03090.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03091.5p-miR	TJU_CMC_MD2.ID03091.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03092.3p-miR	TJU_CMC_MD2.ID03092.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03093.3p-miR	TJU_CMC_MD2.ID03093.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03093.5p-miR	TJU_CMC_MD2.ID03093.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03094.3p-miR	TJU_CMC_MD2.ID03094.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03094.5p-miR	TJU_CMC_MD2.ID03094.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03095.3p-miR	TJU_CMC_MD2.ID03095.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03095.5p-miR	TJU_CMC_MD2.ID03095.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03096.5p-miR	TJU_CMC_MD2.ID03096.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03097.3p-miR	TJU_CMC_MD2.ID03097.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03098.3p-miR	TJU_CMC_MD2.ID03098.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03099.3p-miR	TJU_CMC_MD2.ID03099.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03100.3p-miR	TJU_CMC_MD2.ID03100.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03101.3p-miR	TJU_CMC_MD2.ID03101.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03102.5p-miR	TJU_CMC_MD2.ID03102.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03103.3p-miR	TJU_CMC_MD2.ID03103.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03104.3p-miR	TJU_CMC_MD2.ID03104.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03105.3p-miR	TJU_CMC_MD2.ID03105.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03106.3p-miR	TJU_CMC_MD2.ID03106.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03107.3p-miR	TJU_CMC_MD2.ID03107.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03108.5p-miR	TJU_CMC_MD2.ID03108.hairpin	YES	YES	YES	NO	NO	YES	NO	NO
TJU_CMC_MD2.ID03109.3p-miR	TJU_CMC_MD2.ID03109.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03109.5p-miR	TJU_CMC_MD2.ID03109.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03110.3p-miR	TJU_CMC_MD2.ID03110.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03111.5p-miR	TJU_CMC_MD2.ID03111.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03112.5p-miR	TJU_CMC_MD2.ID03112.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03113.3p-miR	TJU_CMC_MD2.ID03113.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03114.3p-miR	TJU_CMC_MD2.ID03114.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03115.5p-miR	TJU_CMC_MD2.ID03115.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03116.3p-miR	TJU_CMC_MD2.ID03116.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03117.3p-miR	TJU_CMC_MD2.ID03117.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03118.3p-miR	TJU_CMC_MD2.ID03118.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03119.5p-miR	TJU_CMC_MD2.ID03119.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03120.3p-miR	TJU_CMC_MD2.ID03120.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03121.3p-miR	TJU_CMC_MD2.ID03121.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03122.3p-miR	TJU_CMC_MD2.ID03122.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03123.5p-miR	TJU_CMC_MD2.ID03123.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03124.3p-miR	TJU_CMC_MD2.ID03124.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03125.3p-miR	TJU_CMC_MD2.ID03125.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03126.5p-miR	TJU_CMC_MD2.ID03126.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03127.5p-miR	TJU_CMC_MD2.ID03127.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03128.5p-miR	TJU_CMC_MD2.ID03128.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03129.3p-miR	TJU_CMC_MD2.ID03129.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03130.5p-miR	TJU_CMC_MD2.ID03130.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03131.3p-miR	TJU_CMC_MD2.ID03131.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03132.5p-miR	TJU_CMC_MD2.ID03132.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03133.3p-miR	TJU_CMC_MD2.ID03133.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03134.3p-miR	TJU_CMC_MD2.ID03134.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03135.5p-miR	TJU_CMC_MD2.ID03135.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03136.3p-miR	TJU_CMC_MD2.ID03136.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03137.5p-miR	TJU_CMC_MD2.ID03137.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03138.3p-miR	TJU_CMC_MD2.ID03138.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03138.5p-miR	TJU_CMC_MD2.ID03138.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03139.5p-miR	TJU_CMC_MD2.ID03139.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03140.3p-miR	TJU_CMC_MD2.ID03140.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03141.3p-miR	TJU_CMC_MD2.ID03141.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03141.5p-miR	TJU_CMC_MD2.ID03141.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03142.5p-miR	TJU_CMC_MD2.ID03142.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03143.3p-miR	TJU_CMC_MD2.ID03143.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03144.5p-miR	TJU_CMC_MD2.ID03144.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03145.5p-miR	TJU_CMC_MD2.ID03145.hairpin	YES	YES	NO	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID03146.5p-miR	TJU_CMC_MD2.ID03146.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03147.5p-miR	TJU_CMC_MD2.ID03147.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03148.3p-miR	TJU_CMC_MD2.ID03148.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03149.5p-miR	TJU_CMC_MD2.ID03149.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03150.3p-miR	TJU_CMC_MD2.ID03150.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03151.3p-miR	TJU_CMC_MD2.ID03151.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03152.3p-miR	TJU_CMC_MD2.ID03152.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03153.3p-miR	TJU_CMC_MD2.ID03153.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03154.3p-miR	TJU_CMC_MD2.ID03154.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03155.3p-miR	TJU_CMC_MD2.ID03155.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03156.5p-miR	TJU_CMC_MD2.ID03156.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03157.5p-miR	TJU_CMC_MD2.ID03157.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03158.5p-miR	TJU_CMC_MD2.ID03158.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03159.3p-miR	TJU_CMC_MD2.ID03159.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03159.5p-miR	TJU_CMC_MD2.ID03159.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03160.5p-miR	TJU_CMC_MD2.ID03160.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03161.3p-miR	TJU_CMC_MD2.ID03161.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03162.3p-miR	TJU_CMC_MD2.ID03162.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03163.3p-miR	TJU_CMC_MD2.ID03163.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03164.3p-miR	TJU_CMC_MD2.ID03164.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03165.5p-miR	TJU_CMC_MD2.ID03165.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03166.5p-miR	TJU_CMC_MD2.ID03166.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03167.3p-miR	TJU_CMC_MD2.ID03167.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03168.3p-miR	TJU_CMC_MD2.ID03168.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03169.5p-miR	TJU_CMC_MD2.ID03169.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03170.3p-miR	TJU_CMC_MD2.ID03170.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03170.5p-miR	TJU_CMC_MD2.ID03170.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03171.5p-miR	TJU_CMC_MD2.ID03171.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03172.3p-miR	TJU_CMC_MD2.ID03172.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03173.3p-miR	TJU_CMC_MD2.ID03173.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03174.5p-miR	TJU_CMC_MD2.ID03174.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03175.3p-miR	TJU_CMC_MD2.ID03175.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03176.5p-miR	TJU_CMC_MD2.ID03176.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03177.5p-miR	TJU_CMC_MD2.ID03177.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03178.5p-miR	TJU_CMC_MD2.ID03178.hairpin	YES	NO	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03179.5p-miR	TJU_CMC_MD2.ID03179.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03180.5p-miR	TJU_CMC_MD2.ID03180.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03181.3p-miR	TJU_CMC_MD2.ID03181.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03182.3p-miR	TJU_CMC_MD2.ID03182.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03183.3p-miR	TJU_CMC_MD2.ID03183.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03184.3p-miR	TJU_CMC_MD2.ID03184.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03185.5p-miR	TJU_CMC_MD2.ID03185.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03186.3p-miR	TJU_CMC_MD2.ID03186.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03187.3p-miR	TJU_CMC_MD2.ID03187.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03188.3p-miR	TJU_CMC_MD2.ID03188.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03188.5p-miR	TJU_CMC_MD2.ID03188.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03189.3p-miR	TJU_CMC_MD2.ID03189.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03190.5p-miR	TJU_CMC_MD2.ID03190.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03191.3p-miR	TJU_CMC_MD2.ID03191.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03192.5p-miR	TJU_CMC_MD2.ID03192.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03193.3p-miR	TJU_CMC_MD2.ID03193.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03194.3p-miR	TJU_CMC_MD2.ID03194.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03195.3p-miR	TJU_CMC_MD2.ID03195.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03196.3p-miR	TJU_CMC_MD2.ID03196.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03197.5p-miR	TJU_CMC_MD2.ID03197.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03198.3p-miR	TJU_CMC_MD2.ID03198.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03199.5p-miR	TJU_CMC_MD2.ID03199.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03200.3p-miR	TJU_CMC_MD2.ID03200.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03201.3p-miR	TJU_CMC_MD2.ID03201.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03202.3p-miR	TJU_CMC_MD2.ID03202.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03203.3p-miR	TJU_CMC_MD2.ID03203.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03204.3p-miR	TJU_CMC_MD2.ID03204.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03205.3p-miR	TJU_CMC_MD2.ID03205.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03206.5p-miR	TJU_CMC_MD2.ID03206.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03207.3p-miR	TJU_CMC_MD2.ID03207.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03208.5p-miR	TJU_CMC_MD2.ID03208.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03209.5p-miR	TJU_CMC_MD2.ID03209.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03210.5p-miR	TJU_CMC_MD2.ID03210.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03211.3p-miR	TJU_CMC_MD2.ID03211.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03212.5p-miR	TJU_CMC_MD2.ID03212.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03213.5p-miR	TJU_CMC_MD2.ID03213.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03214.3p-miR	TJU_CMC_MD2.ID03214.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03215.3p-miR	TJU_CMC_MD2.ID03215.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03216.3p-miR	TJU_CMC_MD2.ID03216.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03217.5p-miR	TJU_CMC_MD2.ID03217.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03218.3p-miR	TJU_CMC_MD2.ID03218.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03219.3p-miR	TJU_CMC_MD2.ID03219.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03220.3p-miR	TJU_CMC_MD2.ID03220.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03221.5p-miR	TJU_CMC_MD2.ID03221.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03222.5p-miR	TJU_CMC_MD2.ID03222.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03223.5p-miR	TJU_CMC_MD2.ID03223.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03224.5p-miR	TJU_CMC_MD2.ID03224.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03225.3p-miR	TJU_CMC_MD2.ID03225.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03226.3p-miR	TJU_CMC_MD2.ID03226.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03227.3p-miR	TJU_CMC_MD2.ID03227.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03228.5p-miR	TJU_CMC_MD2.ID03228.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03229.5p-miR	TJU_CMC_MD2.ID03229.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03230.5p-miR	TJU_CMC_MD2.ID03230.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03231.5p-miR	TJU_CMC_MD2.ID03231.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03232.3p-miR	TJU_CMC_MD2.ID03232.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03233.5p-miR	TJU_CMC_MD2.ID03233.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03234.5p-miR	TJU_CMC_MD2.ID03234.hairpin	YES	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03235.3p-miR	TJU_CMC_MD2.ID03235.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03236.3p-miR	TJU_CMC_MD2.ID03236.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03236.5p-miR	TJU_CMC_MD2.ID03236.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03237.3p-miR	TJU_CMC_MD2.ID03237.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03238.3p-miR	TJU_CMC_MD2.ID03238.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03239.5p-miR	TJU_CMC_MD2.ID03239.hairpin	YES	NO	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03240.3p-miR	TJU_CMC_MD2.ID03240.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03241.5p-miR	TJU_CMC_MD2.ID03241.hairpin	YES	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03242.5p-miR	TJU_CMC_MD2.ID03242.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03243.3p-miR	TJU_CMC_MD2.ID03243.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03244.3p-miR	TJU_CMC_MD2.ID03244.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03244.5p-miR	TJU_CMC_MD2.ID03244.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03245.5p-miR	TJU_CMC_MD2.ID03245.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03246.3p-miR	TJU_CMC_MD2.ID03246.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03247.3p-miR	TJU_CMC_MD2.ID03247.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03248.3p-miR	TJU_CMC_MD2.ID03248.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03249.3p-miR	TJU_CMC_MD2.ID03249.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03250.5p-miR	TJU_CMC_MD2.ID03250.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03251.5p-miR	TJU_CMC_MD2.ID03251.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03252.5p-miR	TJU_CMC_MD2.ID03252.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03253.3p-miR	TJU_CMC_MD2.ID03253.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03254.5p-miR	TJU_CMC_MD2.ID03254.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03255.5p-miR	TJU_CMC_MD2.ID03255.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03256.3p-miR	TJU_CMC_MD2.ID03256.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03257.3p-miR	TJU_CMC_MD2.ID03257.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03258.5p-miR	TJU_CMC_MD2.ID03258.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03259.3p-miR	TJU_CMC_MD2.ID03259.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03260.3p-miR	TJU_CMC_MD2.ID03260.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03261.5p-miR	TJU_CMC_MD2.ID03261.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03262.5p-miR	TJU_CMC_MD2.ID03262.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03263.3p-miR	TJU_CMC_MD2.ID03263.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03263.5p-miR	TJU_CMC_MD2.ID03263.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03264.3p-miR	TJU_CMC_MD2.ID03264.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03265.3p-miR	TJU_CMC_MD2.ID03265.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03266.5p-miR	TJU_CMC_MD2.ID03266.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03267.3p-miR	TJU_CMC_MD2.ID03267.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03268.3p-miR	TJU_CMC_MD2.ID03268.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03269.5p-miR	TJU_CMC_MD2.ID03269.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03270.3p-miR	TJU_CMC_MD2.ID03270.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03271.5p-miR	TJU_CMC_MD2.ID03271.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03272.5p-miR	TJU_CMC_MD2.ID03272.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03273.3p-miR	TJU_CMC_MD2.ID03273.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03274.3p-miR	TJU_CMC_MD2.ID03274.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03275.5p-miR	TJU_CMC_MD2.ID03275.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03276.5p-miR	TJU_CMC_MD2.ID03276.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03277.5p-miR	TJU_CMC_MD2.ID03277.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03278.3p-miR	TJU_CMC_MD2.ID03278.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03279.3p-miR	TJU_CMC_MD2.ID03279.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03279.5p-miR	TJU_CMC_MD2.ID03279.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03280.3p-miR	TJU_CMC_MD2.ID03280.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03281.3p-miR	TJU_CMC_MD2.ID03281.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03282.3p-miR	TJU_CMC_MD2.ID03282.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03283.5p-miR	TJU_CMC_MD2.ID03283.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03284.3p-miR	TJU_CMC_MD2.ID03284.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03285.3p-miR	TJU_CMC_MD2.ID03285.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03286.5p-miR	TJU_CMC_MD2.ID03286.hairpin	YES	YES	YES	NO	YES	YES	NO	NO
TJU_CMC_MD2.ID03287.3p-miR	TJU_CMC_MD2.ID03287.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03288.5p-miR	TJU_CMC_MD2.ID03288.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03289.5p-miR	TJU_CMC_MD2.ID03289.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03290.3p-miR	TJU_CMC_MD2.ID03290.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03291.3p-miR	TJU_CMC_MD2.ID03291.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03292.3p-miR	TJU_CMC_MD2.ID03292.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03293.3p-miR	TJU_CMC_MD2.ID03293.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03294.5p-miR	TJU_CMC_MD2.ID03294.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03295.3p-miR	TJU_CMC_MD2.ID03295.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03296.3p-miR	TJU_CMC_MD2.ID03296.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03296.5p-miR	TJU_CMC_MD2.ID03296.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03297.3p-miR	TJU_CMC_MD2.ID03297.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03298.3p-miR	TJU_CMC_MD2.ID03298.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03299.5p-miR	TJU_CMC_MD2.ID03299.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03300.5p-miR	TJU_CMC_MD2.ID03300.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03301.3p-miR	TJU_CMC_MD2.ID03301.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03302.3p-miR	TJU_CMC_MD2.ID03302.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03303.3p-miR	TJU_CMC_MD2.ID03303.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03304.3p-miR	TJU_CMC_MD2.ID03304.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03305.5p-miR	TJU_CMC_MD2.ID03305.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03306.3p-miR	TJU_CMC_MD2.ID03306.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03307.3p-miR	TJU_CMC_MD2.ID03307.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03308.3p-miR	TJU_CMC_MD2.ID03308.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03309.5p-miR	TJU_CMC_MD2.ID03309.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03310.5p-miR	TJU_CMC_MD2.ID03310.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03311.5p-miR	TJU_CMC_MD2.ID03311.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03312.5p-miR	TJU_CMC_MD2.ID03312.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03313.3p-miR	TJU_CMC_MD2.ID03313.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03314.5p-miR	TJU_CMC_MD2.ID03314.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03315.3p-miR	TJU_CMC_MD2.ID03315.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03316.3p-miR	TJU_CMC_MD2.ID03316.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03317.3p-miR	TJU_CMC_MD2.ID03317.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03318.3p-miR	TJU_CMC_MD2.ID03318.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03319.3p-miR	TJU_CMC_MD2.ID03319.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03320.3p-miR	TJU_CMC_MD2.ID03320.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03321.3p-miR	TJU_CMC_MD2.ID03321.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03322.3p-miR	TJU_CMC_MD2.ID03322.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03323.5p-miR	TJU_CMC_MD2.ID03323.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03324.3p-miR	TJU_CMC_MD2.ID03324.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03325.5p-miR	TJU_CMC_MD2.ID03325.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03326.3p-miR	TJU_CMC_MD2.ID03326.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03327.3p-miR	TJU_CMC_MD2.ID03327.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03328.5p-miR	TJU_CMC_MD2.ID03328.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03329.3p-miR	TJU_CMC_MD2.ID03329.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03330.3p-miR	TJU_CMC_MD2.ID03330.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03331.3p-miR	TJU_CMC_MD2.ID03331.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03332.3p-miR	TJU_CMC_MD2.ID03332.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03333.3p-miR	TJU_CMC_MD2.ID03333.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03334.5p-miR	TJU_CMC_MD2.ID03334.hairpin	YES	YES	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03335.3p-miR	TJU_CMC_MD2.ID03335.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03336.5p-miR	TJU_CMC_MD2.ID03336.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03337.3p-miR	TJU_CMC_MD2.ID03337.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03338.5p-miR	TJU_CMC_MD2.ID03338.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03339.5p-miR	TJU_CMC_MD2.ID03339.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03340.3p-miR	TJU_CMC_MD2.ID03340.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03340.5p-miR	TJU_CMC_MD2.ID03340.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03341.5p-miR	TJU_CMC_MD2.ID03341.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03342.3p-miR	TJU_CMC_MD2.ID03342.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03343.3p-miR	TJU_CMC_MD2.ID03343.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03344.3p-miR	TJU_CMC_MD2.ID03344.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03345.5p-miR	TJU_CMC_MD2.ID03345.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03346.3p-miR	TJU_CMC_MD2.ID03346.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03347.5p-miR	TJU_CMC_MD2.ID03347.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03348.3p-miR	TJU_CMC_MD2.ID03348.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03349.3p-miR	TJU_CMC_MD2.ID03349.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03350.5p-miR	TJU_CMC_MD2.ID03350.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03351.5p-miR	TJU_CMC_MD2.ID03351.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03352.3p-miR	TJU_CMC_MD2.ID03352.hairpin	YES	NO	YES	NO	YES	NO	NO	NO

TJU_CMC_MD2.ID03353.5p-miR	TJU_CMC_MD2.ID03353.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03354.5p-miR	TJU_CMC_MD2.ID03354.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03355.5p-miR	TJU_CMC_MD2.ID03355.hairpin	YES	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03356.5p-miR	TJU_CMC_MD2.ID03356.hairpin	YES	NO	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03357.3p-miR	TJU_CMC_MD2.ID03357.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03358.3p-miR	TJU_CMC_MD2.ID03358.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03359.5p-miR	TJU_CMC_MD2.ID03359.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03360.3p-miR	TJU_CMC_MD2.ID03360.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03361.5p-miR	TJU_CMC_MD2.ID03361.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03362.5p-miR	TJU_CMC_MD2.ID03362.hairpin	YES	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03363.5p-miR	TJU_CMC_MD2.ID03363.hairpin	YES	NO	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03364.3p-miR	TJU_CMC_MD2.ID03364.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03365.5p-miR	TJU_CMC_MD2.ID03365.hairpin	YES	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03366.3p-miR	TJU_CMC_MD2.ID03366.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03367.5p-miR	TJU_CMC_MD2.ID03367.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03368.3p-miR	TJU_CMC_MD2.ID03368.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03369.3p-miR	TJU_CMC_MD2.ID03369.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03370.5p-miR	TJU_CMC_MD2.ID03370.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03371.3p-miR	TJU_CMC_MD2.ID03371.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03372.3p-miR	TJU_CMC_MD2.ID03372.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03373.3p-miR	TJU_CMC_MD2.ID03373.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03374.3p-miR	TJU_CMC_MD2.ID03374.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03375.5p-miR	TJU_CMC_MD2.ID03375.hairpin	YES	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03376.3p-miR	TJU_CMC_MD2.ID03376.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03377.3p-miR	TJU_CMC_MD2.ID03377.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03378.3p-miR	TJU_CMC_MD2.ID03378.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03379.3p-miR	TJU_CMC_MD2.ID03379.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03380.3p-miR	TJU_CMC_MD2.ID03380.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03381.3p-miR	TJU_CMC_MD2.ID03381.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03381.5p-miR	TJU_CMC_MD2.ID03381.hairpin	YES	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03382.3p-miR	TJU_CMC_MD2.ID03382.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03383.3p-miR	TJU_CMC_MD2.ID03383.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03384.3p-miR	TJU_CMC_MD2.ID03384.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03385.3p-miR	TJU_CMC_MD2.ID03385.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03386.5p-miR	TJU_CMC_MD2.ID03386.hairpin	YES	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03387.3p-miR	TJU_CMC_MD2.ID03387.hairpin	YES	NO	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03388.5p-miR	TJU_CMC_MD2.ID03388.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03389.3p-miR	TJU_CMC_MD2.ID03389.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03390.3p-miR	TJU_CMC_MD2.ID03390.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03391.5p-miR	TJU_CMC_MD2.ID03391.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03392.3p-miR	TJU_CMC_MD2.ID03392.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03393.3p-miR	TJU_CMC_MD2.ID03393.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03394.3p-miR	TJU_CMC_MD2.ID03394.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03395.3p-miR	TJU_CMC_MD2.ID03395.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03396.5p-miR	TJU_CMC_MD2.ID03396.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03397.3p-miR	TJU_CMC_MD2.ID03397.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03398.5p-miR	TJU_CMC_MD2.ID03398.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03399.5p-miR	TJU_CMC_MD2.ID03399.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03400.3p-miR	TJU_CMC_MD2.ID03400.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03402.5p-miR	TJU_CMC_MD2.ID03402.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03403.5p-miR	TJU_CMC_MD2.ID03403.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03404.5p-miR	TJU_CMC_MD2.ID03404.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03405.3p-miR	TJU_CMC_MD2.ID03405.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03406.5p-miR	TJU_CMC_MD2.ID03406.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03407.3p-miR	TJU_CMC_MD2.ID03407.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03408.3p-miR	TJU_CMC_MD2.ID03408.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03409.3p-miR	TJU_CMC_MD2.ID03409.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03409.5p-miR	TJU_CMC_MD2.ID03409.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03410.5p-miR	TJU_CMC_MD2.ID03410.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03411.3p-miR	TJU_CMC_MD2.ID03411.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03412.5p-miR	TJU_CMC_MD2.ID03412.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03413.5p-miR	TJU_CMC_MD2.ID03413.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03414.3p-miR	TJU_CMC_MD2.ID03414.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03415.5p-miR	TJU_CMC_MD2.ID03415.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03416.5p-miR	TJU_CMC_MD2.ID03416.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03417.5p-miR	TJU_CMC_MD2.ID03417.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03418.3p-miR	TJU_CMC_MD2.ID03418.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03419.5p-miR	TJU_CMC_MD2.ID03419.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03420.3p-miR	TJU_CMC_MD2.ID03420.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03421.5p-miR	TJU_CMC_MD2.ID03421.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03422.3p-miR	TJU_CMC_MD2.ID03422.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03423.5p-miR	TJU_CMC_MD2.ID03423.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03424.3p-miR	TJU_CMC_MD2.ID03424.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03425.5p-miR	TJU_CMC_MD2.ID03425.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03426.5p-miR	TJU_CMC_MD2.ID03426.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03427.3p-miR	TJU_CMC_MD2.ID03427.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03428.5p-miR	TJU_CMC_MD2.ID03428.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03429.3p-miR	TJU_CMC_MD2.ID03429.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03430.3p-miR	TJU_CMC_MD2.ID03430.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03431.5p-miR	TJU_CMC_MD2.ID03431.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03432.3p-miR	TJU_CMC_MD2.ID03432.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03433.3p-miR	TJU_CMC_MD2.ID03433.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03434.5p-miR	TJU_CMC_MD2.ID03434.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03435.3p-miR	TJU_CMC_MD2.ID03435.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03436.5p-miR	TJU_CMC_MD2.ID03436.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03437.5p-miR	TJU_CMC_MD2.ID03437.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03438.5p-miR	TJU_CMC_MD2.ID03438.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03439.5p-miR	TJU_CMC_MD2.ID03439.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03440.5p-miR	TJU_CMC_MD2.ID03440.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03441.3p-miR	TJU_CMC_MD2.ID03441.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03442.3p-miR	TJU_CMC_MD2.ID03442.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03443.3p-miR	TJU_CMC_MD2.ID03443.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03444.3p-miR	TJU_CMC_MD2.ID03444.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03444.5p-miR	TJU_CMC_MD2.ID03444.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03445.3p-miR	TJU_CMC_MD2.ID03445.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03446.3p-miR	TJU_CMC_MD2.ID03446.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03447.3p-miR	TJU_CMC_MD2.ID03447.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03448.3p-miR	TJU_CMC_MD2.ID03448.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03449.3p-miR	TJU_CMC_MD2.ID03449.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03450.5p-miR	TJU_CMC_MD2.ID03450.hairpin	YES	YES	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03451.3p-miR	TJU_CMC_MD2.ID03451.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03452.5p-miR	TJU_CMC_MD2.ID03452.hairpin	YES	NO	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03453.3p-miR	TJU_CMC_MD2.ID03453.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03454.3p-miR	TJU_CMC_MD2.ID03454.hairpin	YES	YES	YES	YES	NO	YES	NO	NO
TJU_CMC_MD2.ID03455.5p-miR	TJU_CMC_MD2.ID03455.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03456.5p-miR	TJU_CMC_MD2.ID03456.hairpin	YES	YES	YES	YES	YES	YES	NO	NO
TJU_CMC_MD2.ID03457.3p-miR	TJU_CMC_MD2.ID03457.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03458.5p-miR	TJU_CMC_MD2.ID03458.hairpin	YES	YES	YES	YES	NO	NO	NO	NO

TJU_CMC_MD2.ID03459.3p-miR	TJU_CMC_MD2.ID03459.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03459.5p-miR	TJU_CMC_MD2.ID03459.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03460.3p-miR	TJU_CMC_MD2.ID03460.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03461.3p-miR	TJU_CMC_MD2.ID03461.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03462.5p-miR	TJU_CMC_MD2.ID03462.hairpin	YES	NO	NO	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03463.3p-miR	TJU_CMC_MD2.ID03463.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03464.3p-miR	TJU_CMC_MD2.ID03464.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03465.3p-miR	TJU_CMC_MD2.ID03465.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03466.3p-miR	TJU_CMC_MD2.ID03466.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03467.5p-miR	TJU_CMC_MD2.ID03467.hairpin	YES	NO	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03468.3p-miR	TJU_CMC_MD2.ID03468.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03469.5p-miR	TJU_CMC_MD2.ID03469.hairpin	YES	NO	NO	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03470.5p-miR	TJU_CMC_MD2.ID03470.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03471.3p-miR	TJU_CMC_MD2.ID03471.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03472.3p-miR	TJU_CMC_MD2.ID03472.hairpin	YES	YES	YES	YES	NO	NO	NO	NO
TJU_CMC_MD2.ID03473.3p-miR	TJU_CMC_MD2.ID03473.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03474.3p-miR	TJU_CMC_MD2.ID03474.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03475.5p-miR	TJU_CMC_MD2.ID03475.hairpin	YES	YES	YES	YES	YES	NO	NO	NO
TJU_CMC_MD2.ID03476.3p-miR	TJU_CMC_MD2.ID03476.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03477.3p-miR	TJU_CMC_MD2.ID03477.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03478.3p-miR	TJU_CMC_MD2.ID03478.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03479.3p-miR	TJU_CMC_MD2.ID03479.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03480.3p-miR	TJU_CMC_MD2.ID03480.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03481.3p-miR	TJU_CMC_MD2.ID03481.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03481.5p-miR	TJU_CMC_MD2.ID03481.hairpin	YES	NO	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03482.3p-miR	TJU_CMC_MD2.ID03482.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03483.3p-miR	TJU_CMC_MD2.ID03483.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03484.3p-miR	TJU_CMC_MD2.ID03484.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03485.5p-miR	TJU_CMC_MD2.ID03485.hairpin	YES	YES	YES	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03486.3p-miR	TJU_CMC_MD2.ID03486.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03487.3p-miR	TJU_CMC_MD2.ID03487.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03488.3p-miR	TJU_CMC_MD2.ID03488.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03489.3p-miR	TJU_CMC_MD2.ID03489.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03489.5p-miR	TJU_CMC_MD2.ID03489.hairpin	YES	NO	YES	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03490.3p-miR	TJU_CMC_MD2.ID03490.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03491.3p-miR	TJU_CMC_MD2.ID03491.hairpin	YES	NO	NO	NO	NO	NO	NO	NO

TJU_CMC_MD2.ID03492.5p-miR	TJU_CMC_MD2.ID03492.hairpin	YES	NO	NO	NO	YES	NO	NO	NO
TJU_CMC_MD2.ID03493.3p-miR	TJU_CMC_MD2.ID03493.hairpin	YES	NO	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03494.5p-miR	TJU_CMC_MD2.ID03494.hairpin	YES	YES	NO	NO	NO	NO	NO	NO
TJU_CMC_MD2.ID03495.5p-miR	TJU_CMC_MD2.ID03495.hairpin	YES	YES	NO	NO	NO	NO	NO	NO

Example 3. Tissue specificity of the novel miRNAs described herein

[000241] An additional property of the novel miRNAs described herein is that they are for the most part specific to the tissue in which they were discovered. This finding indicates that these novel miRNAs can be used to form distinguishing "signatures" with application to diagnostic and/or prognostic activities. Their participation in such distinguishing signatures directly implicates these sequences in molecular mechanisms that are currently either unknown or poorly understood: as such, some of these sequences can be eventually used to design appropriate therapeutics that are relevant for the corresponding tissue and tissue-state.

[000242] As an example, the inventors focused on the 3,707 novel miRNAs listed in Table 2 that they discovered using the miRDeep2 method and for each pair of tissues they computed the number of novel miRNAs that are in common. The following Table 8 shows the results of this computation:

Table 8. Number of novel miRNAs described herein that are in common for each pair of tissues

Number of Samples		B-cells	Brain	Breast	CD3+ Lymphocytes	Fibroblasts	Gastric Tissue	Lymphoblastoid cell lines (LCLs)	Pancreas	Platelets	Peripheral Blood Mononuclear Cells (PBMC)	Prostate	Serum	Skin
37	B-cells	317	100	116	15	91	57	118	149	176	88	94	166	30
24	Brain	100	455	104	14	115	59	98	160	204	210	146	166	25
604	Breast	116	104	432	12	91	56	122	125	115	95	87	142	34
1	CD3+ Lymph-ocytes	15	14	12	18	12	13	14	14	18	12	15	17	7
4	Fibrobl-asts	91	115	91	12	260	61	75	150	149	96	117	116	22
25	Gastric Tissue	57	59	56	13	61	136	47	79	70	57	66	62	16
488	LCLs	118	98	122	14	75	47	268	99	127	86	75	122	32
12	Pancreas	149	160	125	14	150	79	99	527	199	152	151	178	26
15	Platelets	176	204	115	18	149	70	127	199	633	377	155	354	21
18	PBMC	88	210	95	12	96	57	86	152	377	881	123	288	12

10	Prostate	94	146	87	15	117	66	75	151	155	123	273	134	20
24	Serum	166	166	142	17	116	62	122	178	354	288	134	698	21
63	Skin	30	25	34	7	22	16	32	26	21	12	20	21	48

[000243] The Jaccard coefficients are also computed for each pair above and shown in Table 9. The lower the Jaccard coefficient is when comparing the novel miRNAs discovered in two tissues types, the higher the number of novel miRNAs that are present in one of the two tissue types but not the other tissue type.

Table 9. Jaccard coefficients for each pair of tissues based on the number of novel miRNAs described herein that are in common shown in Table 8 above

	B-cells	Brain	Breast	CD3+ Lymphocytes	Fibroblasts	Gastric Tissue	LCLs	Pancreas	Platelets	PBMC	Prostate	Serum	Skin
B-cells	1	0.1488	0.1833	0.0469	0.1872	0.1439	0.2527	0.2144	0.2274	0.0793	0.1895	0.1955	0.0896
Brain	0.1488	1	0.1328	0.0305	0.1917	0.1109	0.1568	0.1946	0.2308	0.1865	0.2509	0.1682	0.0523
Breast	0.1833	0.1328	1	0.0274	0.1514	0.1094	0.2111	0.1499	0.1211	0.078	0.1408	0.1437	0.0762
CD3+ Lympho -cytes	0.0469	0.0305	0.0274	1	0.0451	0.0922	0.0515	0.0264	0.0284	0.0135	0.0543	0.0243	0.1186
Fibrobl- asts	0.1872	0.1917	0.1514	0.0451	1	0.1821	0.1656	0.2355	0.2003	0.0919	0.2812	0.1378	0.0769
Gastric Tissue	0.1439	0.1109	0.1094	0.0922	0.1821	1	0.1317	0.1353	0.1001	0.0594	0.1924	0.0803	0.0952
LCLs	0.2527	0.1568	0.2111	0.0515	0.1656	0.1317	1	0.1422	0.1641	0.0809	0.1609	0.1445	0.1127
Pancrea -s	0.2144	0.1946	0.1499	0.0264	0.2355	0.1353	0.1422	1	0.2071	0.121	0.2327	0.17	0.0474
Platelet- s	0.2274	0.2308	0.1211	0.0284	0.2003	0.1001	0.1641	0.2071	1	0.3316	0.2064	0.3623	0.0318
PBMC	0.0793	0.1865	0.078	0.0135	0.0919	0.0594	0.0809	0.121	0.3316	1	0.1193	0.2231	0.0131

Prostat-e	0.1895	0.2509	0.1408	0.0543	0.2812	0.1924	0.1609	0.2327	0.2064	0.1193	1	0.1601	0.0664
Serum	0.1955	0.1682	0.1437	0.0243	0.1378	0.0803	0.1445	0.17	0.3623	0.2231	0.1601	1	0.029
Skin	0.0896	0.0523	0.0762	0.1186	0.0769	0.0952	0.1127	0.0474	0.0318	0.0131	0.0664	0.029	1

Example 4. Exemplary applications of the isomiRs in patient segmentation or diagnosis

[000244] In Examples 4-7 below, the isomiRs as listed in Table 3 are found to exhibit different expression behavior between two states of the same tissue, between same-gender members of two different human populations, etc. These examples show that isomiRs, just like miRNAs, can be used to form distinguishing "signatures" with application to diagnostic and/or prognostic activities. Their participation in such distinguishing signatures directly implicates these sequences in molecular mechanisms that are currently either unknown or poorly understood: as such, some of these sequences can be used to design appropriate therapeutics that are relevant for the corresponding tissue and tissue-state.

[000245] This Example shows that differentially expressed isomiRs listed in Table 3 can be used to separate individuals with platelet antigen hyper-reactivity vs. hypo-reactivity. Platelets derived from 10 healthy male individuals were tested for their aggregation properties in response to the PAR1-AP, PAR4-AP, anti-CD9, ADP, and CRP antigens. The individuals were split into two groups ("hyper-reactive" and "hypo-reactive") based on their response to the antigens and time to clot. Short RNA sequencing was used to profile the short RNA populations of the platelets from all 10 individuals and isomiR expression was examined across the hyper-reactive and hypo-reactive group. Differential expression of isomiRs was calculated using the DESeq2 algorithm. An isomiR is considered to be differentially expressed if it had a mean expression of at least 50 sequenced reads, a log2-change in expression of ≥ 0.58 or ≤ -0.58, and a p-Value ≤ 0.05. FIG. 3 shows a heatmap that summarizes the results of Table 10 shown below: each row in the heatmap corresponds to a different isomiR as listed in Table 3. FIG. 3 shows that the two groups of individuals with platelet antigen hyper-reactivity or hypo-reactivity have distinct isomiR expression profiles. Since this is a gray-scale image, a two dashed lines was used to separate the drawing in quadrants. The upper left quadrant includes miRNAs/isomiRs that are more abundant in hyper-reactive than in hypo-reactive individuals. The upper right quadrant includes miRNAs/isomiRs that are less abundant in hypo-reactive than in hyper-reactive individuals. The lower left quadrant includes miRNAs/isomiRs that are less abundant in hyper-reactive than in hypo-reactive individuals. The lower right quadrant includes miRNAs/isomiRs that are more abundant in hypo-reactive than in hyper-reactive individuals.

[000246] Table 10 below shows the fold-change of the miRNAs and isomiRs in the two groups of individuals with platelet antigen hyper-reactivity or hypo-reactivity that are depicted in the heatmap of FIG. 3. The actual miRNA and corresponding SEQ ID NOs. can be identified in Table 3 according to the "miRNA ID" listed in Table 10.

Table 10. Differential expression of isomiR or miRNA in individuals with platelet antigen hyper-reactivity vs. hypo-reactivity

miRNA ID	Is it a miRNA or an isomiR?	Chromo -some	Stra -nd	IsomiR Start	IsomiR End	log2FoldChange of HYPO-reactive / HYPER-reactive
ID=MIMAT0016844;hsa-miR-4295	isomiR	10	+	114393939	114393960	1.693050804
ID=MIMAT0000098;hsa-miR-100-5p	isomiR	11	-	122022982	122023004	1.823802128
ID=MIMAT0000098;hsa-miR-100-5p	mirBase	11	-	122022983	122023004	1.814040075
ID=MIMAT0019774;hsa-miR-4687-5p	isomiR	11	+	3877303	3877322	-1.208797144
ID=MIMAT0000267;hsa-miR-210-3p	isomiR	11	-	568113	568133	-1.050732203
ID=MIMAT0014982;hsa-miR-3120-3p	isomiR	1	+	172107998	172108019	0.975239935
ID=MIMAT0000256;hsa-miR-181a-5p	mirBase	1	-	198828237	198828259	1.174507982
ID=MIMAT0000681;hsa-miR-29c-3p	isomiR	1	-	207975209	207975231	0.536818398
ID=MIMAT0017991;hsa-miR-3613-3p	isomiR	13	-	50570564	50570585	1.608621193
ID=MIMAT0000772;hsa-miR-345-5p	isomiR	14	+	100774213	100774232	-0.840570448
ID=MIMAT0000772;hsa-miR-345-5p	isomiR	14	+	100774213	100774233	-0.614388579
ID=MIMAT0004604;hsa-miR-127-5p	isomiR	14	+	101349338	101349358	-1.307212535
ID=MIMAT0000722;hsa-miR-370-3p	isomiR	14	+	101377523	101377543	-0.973765428
ID=MIMAT0002178;hsa-miR-487a-3p	mirBase	14	+	101518831	101518852	1.069025151
ID=MIMAT0000447;hsa-miR-134-5p	mirBase	14	+	101521031	101521052	0.709528735
ID=MIMAT0000447;hsa-miR-134-5p	isomiR	14	+	101521031	101521053	0.860800629
ID=MIMAT0002176;hsa-miR-485-3p	isomiR	14	+	101521800	101521822	1.844384975
ID=MIMAT0015050;hsa-miR-323b-3p	isomiR	14	+	101522605	101522626	-1.480187879
ID=MIMAT0000452;hsa-miR-154-5p	mirBase	14	+	101526106	101526127	0.750616377
ID=MIMAT0000453;hsa-miR-154-3p	mirBase	14	+	101526142	101526163	1.920772298
ID=MIMAT0000730;hsa-miR-377-3p	isomiR	14	+	101528431	101528451	2.220079064
ID=MIMAT0000730;hsa-miR-377-3p	mirBase	14	+	101528431	101528452	1.234206271
ID=MIMAT0001639;hsa-miR-409-3p	isomiR	14	+	101531684	101531705	1.008026114
ID=MIMAT0015054;hsa-miR-3177-3p	isomiR	16	+	1785039	1785060	-1.070825052
ID=MIMAT0003301;hsa-miR-33b-5p	mirBase	17	-	17717211	17717230	-0.8778958
ID=MIMAT0000433;hsa-miR-142-5p	isomiR	17	-	56408647	56408666	-0.679403276
ID=MIMAT0002820;hsa-miR-497-5p	isomiR	17	-	6921297	6921318	-1.022619012
ID=MIMAT0002820;hsa-miR-497-5p	mirBase	17	-	6921298	6921318	-1.103842786
ID=MIMAT0000763;hsa-miR-338-3p	isomiR	17	-	79099686	79099707	0.755685679
ID=MIMAT0000763;hsa-miR-338-3p	isomiR	17	-	79099686	79099708	0.585798504
ID=MIMAT0000763;hsa-miR-338-3p	mirBase	17	-	79099687	79099708	0.637201072
ID=MIMAT0000078;hsa-miR-23a-3p	isomiR	19	-	13947406	13947427	0.92049045
ID=MIMAT0000078;hsa-miR-23a-3p	isomiR	19	-	13947407	13947427	1.139296411
ID=MIMAT0000078;hsa-miR-23a-3p	isomiR	19	-	13947407	13947429	0.605379042
ID=MIMAT0000078;hsa-miR-23a-3p	isomiR	19	-	13947408	13947429	0.545064371
ID=MIMAT0000258;hsa-miR-181c-5p	isomiR	19	+	13985539	13985561	0.599867208
ID=MIMAT0000258;hsa-miR-181c-5p	isomiR	19	+	13985539	13985562	0.643018885
ID=MIMAT0000255;hsa-miR-34a-5p	isomiR	1	-	9211793	9211815	-1.144365962
ID=MIMAT0000255;hsa-miR-34a-5p	mirBase	1	-	9211794	9211815	-0.940567745
ID=MIMAT0003311;hsa-miR-641	isomiR	19	-	40788511	40788534	1.173498381
ID=MIMAT0019880;hsa-miR-4746-5p	mirBase	19	+	4445984	4446006	-1.081673049
ID=MIMAT0000689;hsa-miR-99b-5p	isomiR	19	+	52195871	52195890	1.288028476
ID=MIMAT0000689;hsa-miR-99b-5p	isomiR	19	+	52195871	52195891	0.942329444
ID=MIMAT0000689;hsa-miR-99b-5p	mirBase	19	+	52195871	52195892	1.168595698
ID=MIMAT0000689;hsa-miR-99b-5p	isomiR	19	+	52195871	52195893	1.273940998

ID=MIMAT0004978;hsa-miR-935	isomiR	19	+	54485617	54485638	-1.290340375
ID=MIMAT0016888;hsa-miR-4326	isomiR	20	+	61918170	61918192	-2.189171494
ID=MIMAT0000424;hsa-miR-128-3p	isomiR	2	+	136423017	136423037	1.008351354
ID=MIMAT0022726;hsa-miR-1306-5p	isomiR	22	+	20073595	20073615	-0.687810261
ID=MIMAT0004502;hsa-miR-28-3p	mirBase	3	+	188406622	188406643	0.805567557
ID=MIMAT0004502;hsa-miR-28-3p	isomiR	3	+	188406622	188406644	0.98178236
ID=MIMAT0003241;hsa-miR-576-5p	mirBase	4	+	110409869	110409890	0.702664876
ID=MIMAT0003241;hsa-miR-576-5p	isomiR	4	+	110409869	110409892	0.918510564
ID=MIMAT0003239;hsa-miR-574-3p	isomiR	4	+	38869714	38869734	-0.905946749
ID=MIMAT0003239;hsa-miR-574-3p	isomiR	4	+	38869714	38869735	-0.716936715
ID=MIMAT0003239;hsa-miR-574-3p	isomiR	4	+	38869714	38869736	-0.907113522
ID=MIMAT0003239;hsa-miR-574-3p	isomiR	4	+	38869715	38869734	-1.143751103
ID=MIMAT0003239;hsa-miR-574-3p	isomiR	4	+	38869715	38869735	-0.800015321
ID=MIMAT0003239;hsa-miR-574-3p	isomiR	4	+	38869715	38869736	-0.684840113
ID=MIMAT0004601;hsa-miR-145-3p	mirBase	5	+	148810262	148810283	0.903088739
ID=MIMAT0000449;hsa-miR-146a-5p	isomiR	5	+	159912380	159912401	0.787529544
ID=MIMAT0000449;hsa-miR-146a-5p	isomiR	5	+	159912380	159912402	0.77307406
ID=MIMAT0000449;hsa-miR-146a-5p	isomiR	5	+	159912381	159912401	0.657010583
ID=MIMAT0004702;hsa-miR-339-3p	isomiR	7	-	1062592	1062611	-0.777037637
ID=MIMAT0000764;hsa-miR-339-5p	isomiR	7	-	1062625	1062647	-0.781301482
ID=MIMAT0000765;hsa-miR-335-5p	isomiR	7	+	130135967	130135988	0.53296691
ID=MIMAT0000765;hsa-miR-335-5p	mirBase	7	+	130135967	130135989	0.582659429
ID=MIMAT0000086;hsa-miR-29a-3p	isomiR	7	-	130561506	130561528	0.563158034
ID=MIMAT0004672;hsa-miR-106b-3p	mirBase	7	-	99691625	99691646	-0.774615259
ID=MIMAT0004672;hsa-miR-106b-3p	isomiR	7	-	99691625	99691647	-1.206525491
ID=MIMAT0000420;hsa-miR-30b-5p	isomiR	8	-	135812811	135812834	0.656327955
ID=MIMAT0000420;hsa-miR-30b-5p	isomiR	8	-	135812812	135812834	0.59271139
ID=MIMAT0027604;hsa-miR-6852-5p	isomiR	9	-	35710711	35710733	-0.978676086
ID=MIMAT0027604;hsa-miR-6852-5p	isomiR	9	-	35710712	35710733	-0.623346064
ID=MIMAT0027604;hsa-miR-6852-5p	mirBase	9	-	35710713	35710733	-0.608678796
ID=MIMAT0000099_1;hsa-miR-101-3p	isomiR	9	+	4850347	4850368	1.057868333
ID=MIMAT0000418;hsa-miR-23b-3p	isomiR	9	+	97847547	97847568	0.759475648
ID=MIMAT0000418;hsa-miR-23b-3p	isomiR	9	+	97847547	97847569	0.596830114
ID=MIMAT0000418;hsa-miR-23b-3p	isomiR	9	+	97847547	97847570	0.670886728
ID=MIMAT0000418;hsa-miR-23b-3p	isomiR	9	+	97847549	97847568	1.160734587
ID=MIMAT0000418;hsa-miR-23b-3p	isomiR	9	+	97847549	97847569	1.014775501
ID=MIMAT0000418;hsa-miR-23b-3p	isomiR	9	+	97847549	97847570	1.28609021
ID=MIMAT0022709;hsa-miR-652-5p	isomiR	X	+	109298576	109298595	0.967684929
ID=MIMAT0000707;hsa-miR-363-3p	isomiR	X	-	133303411	133303433	0.631364682
ID=MIMAT0003389;hsa-miR-542-3p	isomiR	X	-	133675393	133675415	1.304170278
ID=MIMAT0000096;hsa-miR-98-5p	isomiR	X	-	53583259	53583281	0.693686608
ID=MIMAT0019919;hsa-miR-4767	isomiR	X	+	7065909	7065931	-1.260816811
ID=MIMAT0000727;hsa-miR-374a-5p	isomiR	X	-	73507158	73507181	1.387909088
ID=MIMAT0000727;hsa-miR-374a-5p	isomiR	X	-	73507159	73507180	0.80294068
ID=MIMAT0000727;hsa-miR-374a-5p	isomiR	X	-	73507159	73507181	0.58382585

Example 5. Differential expression of isomiRs across populations by ethnicity

[000247] This Example is drawn from the analysis of the deep sequencing data of 482 lymphoblastoid cell line (LCL) samples from the Geuvadis RNA deep-sequencing project, where its information is accessible online at http://www.geuvadis.org/web/geuvadis/RNAseq-project. In particular, the inventors focused and analyzed the 452 unique samples among the collection of 482 datasets (the remaining samples are technical replicates). The 452 samples represent five human populations: Utah Residents with Northern and Western European ancestry (CEU, 87 subjects), Finnish from Finland (FIN, 93 subjects), British in England and Scotland (GBR, 94 subjects), Toscani Italians (TSI, 89 subjects), and Yoruban Africans from the city of Ibadan (YRI, 89 subjects).

[000248] Using samples from both genders, the inventors identified differentially expressed isomiRs separately for each pair of populations. FIG. 4 shows the resulting heatmap for the identified isomiRs listed in Table 3. Cells shown as white correspond to cases that did not reach statistical significance for the corresponding combination of miRNA/ isomiR and population-pair. The color intensity scale is logarithmic (log2 base). For all statistically significant combinations the associated FDR value is ≤ 0.05. This example shows that miRNAs and isomiRs can be used in principle to distinguish among human populations. Thus, combinations of isomiRs and miRNAs can be used to form distinguishing "signatures" with application to diagnostic and/or prognostic activities. Their participation in such distinguishing signatures directly implicates these sequences in molecular mechanisms that are currently either unknown or poorly understood: as such, some of these sequences can be eventually used to design appropriate therapeutics that are relevant for the corresponding tissue and tissue-state.

Example 6. Differential expression of isomiRs across populations by gender

[000249] Like in Example 5, this Example is drawn from the analysis of the deep sequencing data of 482 LCL samples from the Geuvadis RNA deep-sequencing project, where its information is accessible online at http://www.geuvadis.org/web/geuvadis/RNAseq-project. In particular, the inventors focused and analyzed the 452 unique samples among the collection of 482 datasets (the remaining samples are technical replicates). The 452 samples represent five human populations: Utah Residents with Northern and Western European ancestry (CEU, 87 subjects), Finnish from Finland (FIN, 93 subjects), British in England and Scotland (GBR, 94 subjects), Toscani Italians (TSI, 89 subjects), and Yoruban Africans from the city of Ibadan (YRI, 89 subjects).

[000250] Using samples of the same gender, the inventors identified differentially expressed isomiRs separately for each pair of populations. FIGs. 5A-5B show the resulting heatmap for the isomiRs (identified in Table 3) in male samples and female samples, respectively. Cells shown as white correspond to cases that did not reach statistical significance for the corresponding combination of miRNA/isomiR and population-pair. The color intensity scale is logarithmic (log2 base). For all statistically significant combinations the associated FDR value is ≤ 0.05. This example shows that miRNAs and isomiRs have different expression profiles among populations when only males are considered vs. when only females are considered. This shows the presence of different miRNAs/isomiRs and/or different expression patterns between females and males and thus the potential presence of differences in the underlying molecular mechanisms for the corresponding tissue and tissue-state.

Example 7. Differential expression of novel miRNAs by disease states

[000251] There are three collections of novel miRNA sequences: (1) novel miRNAs that were discovered using the inventors' developed method as described in Example 1 (as listed in Table 11 below, they are prefixed by "TJU_CMC" only, e.g. TJU_CMC.ID02768.5p-miR); (2) novel miRNAs that were discovered using the miRDeep2 method and listed in Table 11 below, they are prefixed by "TJU_CMC.MD2" i.e. TJU_CMC_MD2.ID01023.3p-miR); and (3) isomiRs from miRNA loci that are in Rel. 20 of the miRBase repository and listed in Table 12 below, they are prefixed by "NovelMiR_KnownLoci" e.g. NovelMiR_KnownLoci_ID0001566).

[000252] The inventors processed numerous samples from different tissues and tissue states and sought to determine instances of miRNAs from each of these categories that were differentially expressed between pairs of states of the same tissue. A novel miRNA/isomiR is considered to be differentially expressed if it has a mean expression of at least 50 sequenced reads, a log2-change in expression between the compared states of ≥ 0.58 or ≤ -0.58, and a p-Value ≤ 0.05.

[000253] Using samples from different disease states, the inventors identified differentially expressed novel miRNAs that were either discovered using their own developed method (prefixed by "TJU_CMC" only, e.g. TJU_CMC.ID02768.5p-miR) or discovered using the miRDeep2 method (prefixed by "TJU_CMC.MD2" i.e. TJU_CMC_MD2.ID01023.3p-miR). As stated above, a miRNA is considered to be differentially expressed if it had a mean expression of at least 50 sequenced reads, a log2-change in expression between the compared states of ≥ 0.58 or ≤ -0.58, and a p-Value ≤ 0.05.

[000254] Examples 7-8 show that these novel sequences (either novel miRNAs or novel isomiRs from previously reported loci) can be used to form distinguishing "signatures" with application to diagnostic and/or prognostic activities. Again, their very participation in such distinguishing signatures directly implicates these sequences in molecular mechanisms that currently are either unknown or poorly understood: as such, some of these sequences could be eventually used to design appropriate therapeutics that are relevant for the corresponding tissue and tissue-state.

[000255] Table 11 below shows the fold-change of the miRNAs in pairs of the same tissue of different states. Abbreviations: TCGA=The Cancer Genome Atlas; PBMC=Peripheral Blood Mononuclear Cells; GEO=Gene Expression Omnibus. The actual miRNA or isomiR sequences and corresponding SEQ ID NOs. can be identified in Tables 1-2 according to the the "Name" listed in Table 11.

Table 11. Differential expression of miRNAs in tissues of various disease states

Name	Log2 fold change of Set A / Set B	p-Val	Sets Compared (A / B)
TJU_CMC.ID06653.3p-miR	-5.350055999	1.82E-11	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09612.5p-miR	-6.143612864	1.62E-09	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID02842.5p-miR	10.61146501	1.24E-08	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02528.3p-miR	-999999	1.79E-08	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09305.5p-miR	-6.666005566	6.04E-08	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02503.5p-miR	10.87508867	9.50E-08	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02528.5p-miR	-999999	1.07E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03278.3p-miR	5.641662569	1.40E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04657.3p-miR	-9.866230829	1.86E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06600.5p-miR	-8.103688639	1.93E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01860.5p-miR	-999999	1.94E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02768.5p-miR	8.369781246	2.13E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01023.3p-miR	999999	3.16E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03256.3p-miR	-3.917708041	2.39E-08	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09799.3p-miR	-4.887841727	2.14E-07	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
TJU_CMC_MD2.ID00953.5p-miR	-999999	8.82E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01023.5p-miR	999999	8.97E-07	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00558.3p-miR	-999999	1.01E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02912.5p-miR	999999	1.24E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04299.5p-miR	-5.000995116	1.22E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00258.5p-miR	8.714626517	1.36E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02465.3p-miR	-8.206164944	1.99E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08100.5p-miR	10.78227313	5.45E-07	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC_MD2.ID00964.5p-miR	-999999	3.18E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05256.5p-miR	-9.115766175	3.58E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03524.5p-miR	7.056227807	4.18E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03856.5p-miR	-8.692614532	4.12E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03519.3p-miR	8.82432173	4.31E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00299.5p-miR	4.167117002	7.05E-07	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09200.5p-miR	4.147086478	8.81E-07	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03504.3p-miR	6.413198125	6.21E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00744.3p-miR	7.100628383	6.80E-06	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00225.3p-miR	4.242952027	1.68E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08731.3p-miR	-5.94141269	2.10E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01316.3p-miR	-6.870251682	1.52E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03300.5p-miR	6.702083272	1.49E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01494.3p-miR	5.289938285	1.83E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07022.5p-miR	7.623615595	1.58E-05	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID03454.5p-miR	6.77674742	2.31E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05541.3p-miR	5.718371954	2.29E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06289.5p-miR	-6.055179931	2.34E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08042.5p-miR	-4.371634744	2.74E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02508.5p-miR	5.957071622	2.89E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05571.3p-miR	4.87676621	2.94E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02844.3p-miR	6.131098482	3.07E-05	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID07466.3p-miR	5.998317527	3.03E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01558.5p-miR	-6.679700391	3.49E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01152.5p-miR	7.246723864	3.58E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00581.3p-miR	5.112712713	5.53E-05	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID09045.5p-miR	5.996981054	5.01E-05	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID08817.5p-miR	-7.040237443	4.01E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01743.5p-miR	5.687787729	4.52E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06261.5p-miR	3.978728907	4.80E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06075.5p-miR	5.198810713	5.11E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03003.3p-miR	-5.282487816	9.27E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08644.5p-miR	3.698764073	1.02E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09315.5p-miR	4.202589537	9.98E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04909.5p-miR	-5.426714465	5.61E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02721.5p-miR	-6.028345639	5.92E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02172.3p-miR	4.17893251	6.33E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03495.5p-miR	-4.565082803	6.28E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06967.3p-miR	-6.51771449	7.17E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04559.5p-miR	5.435199575	7.57E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01232.3p-miR	6.558455622	0.000110459	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID09362.5p-miR	8.068986534	0.000122719	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID05136.3p-miR	-6.462794459	7.96E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09211.5p-miR	-6.096317714	8.22E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01436.3p-miR	-6.844516944	9.18E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05232.3p-miR	5.269136783	9.66E-05	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08857.5p-miR	-5.185841009	0.000101318	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04776.3p-miR	-5.968840199	0.000108755	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03322.5p-miR	3.62089628	1.74E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05498.3p-miR	-5.923985039	0.00012389	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09556.5p-miR	4.358490643	0.000128181	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05794.5p-miR	-7.275302525	0.000129705	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01160.3p-miR	9.981234895	0.000134237	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09464.5p-miR	6.954848435	0.000193258	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID06420.5p-miR	999999	0.000146696	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00602.3p-miR	-5.398215307	1.51E-04	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05591.5p-miR	-5.202141235	0.000150691	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03158.3p-miR	-5.18709673	0.000154642	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00326.5p-miR	7.22768428	0.000249828	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID03778.3p-miR	-3.575821691	2.81E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08027.5p-miR	-4.38644661	0.0001772	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08731.3p-miR	-5.399172552	5.44E-06	Gastric Cancer (All Stages) / Normal Gastric Tissue

TJU_CMC.ID01135.3p-miR	2.930131702	3.31E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08946.3p-miR	5.279650918	0.000208462	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09118.5p-miR	6.714196096	0.000218512	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID03494.5p-miR	4.14958141	0.000220218	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06656.5p-miR	3.336125897	5.06E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05992.3p-miR	5.78174404	5.26E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07790.5p-miR	-3.836018874	5.10E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08272.3p-miR	4.113667399	4.77E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06876.5p-miR	4.690963487	0.000271606	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08177.5p-miR	5.155337948	0.000289999	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08261.5p-miR	4.640781533	0.000296545	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04632.3p-miR	7.838923587	0.00029972	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01563.5p-miR	4.858443966	0.000303636	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04558.3p-miR	-5.709826486	0.00030917	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04581.5p-miR	-6.24534738	0.000309428	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01077.5p-miR	-5.111571124	0.000317661	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06657.3p-miR	4.787416739	0.000325	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05096.5p-miR	6.230029943	0.000341974	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06065.3p-miR	-5.558341447	0.000343083	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09115.5p-miR	4.779747152	7.19E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05175.5p-miR	-1.378776682	0.000201196	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID02914.3p-miR	4.169060369	8.69E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02650.5p-miR	4.66315875	0.000449771	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09493.5p-miR	-5.34762686	0.000456447	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05918.3p-miR	5.145167112	0.000511849	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07047.3p-miR	-5.580371457	0.000524814	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01631.5p-miR	4.195376808	0.000545762	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02628.3p-miR	5.277749364	0.000543955	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07634.3p-miR	5.49736396	0.000602502	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02766.3p-miR	-3.543069652	0.00062563	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00395.3p-miR	5.213282626	0.000646725	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03304.3p-miR	-5.166631344	0.000651137	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01362.5p-miR	4.410814146	0.000668225	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05001.3p-miR	4.203854064	0.00068091	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01606.3p-miR	6.338522361	0.000124339	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04661.5p-miR	3.449210388	0.000146579	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09327.3p-miR	-5.04132634	0.000774951	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05693.5p-miR	-3.875915893	0.000798401	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06834.3p-miR	-2.587635697	0.000835388	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00711.5p-miR	6.255640602	0.0008649	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04683.5p-miR	2.781068193	0.000178069	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08301.3p-miR	4.376235733	0.000886208	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05046.5p-miR	-4.905172311	0.000896889	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06865.5p-miR	-3.999286886	0.000926659	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID08236.3p-miR	4.960820226	0.000937113	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03885.3p-miR	4.25503448	0.000950814	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04994.5p-miR	-4.640194729	0.000954192	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00522.5p-miR	-4.153838602	0.000967384	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01739.3p-miR	4.398158234	0.000987773	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08957.5p-miR	-4.550746438	0.00105123	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02282.3p-miR	-4.167884941	0.001077348	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06539.3p-miR	3.25231861	0.000215381	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01852.5p-miR	4.280188721	0.001138706	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03898.3p-miR	6.209813253	0.001142411	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08652.5p-miR	-3.632869643	0.001147199	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08763.5p-miR	3.130267045	0.000234446	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08292.3p-miR	-4.550226948	0.001253063	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08520.5p-miR	6.374585156	0.001261675	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00107.3p-miR	-3.863162301	0.000271664	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04757.3p-miR	5.379247431	5.82E-06	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06916.5p-miR	-4.342335935	0.001362215	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07737.3p-miR	3.089872089	0.000285267	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09230.3p-miR	-3.135381546	0.000292281	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06765.5p-miR	4.568486219	0.000301392	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09799.3p-miR	3.785717025	0.000309793	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00020.3p-miR	4.687645247	0.001406275	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01975.3p-miR	3.961680472	0.001446071	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09306.3p-miR	-5.136399176	0.001488952	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06325.3p-miR	3.524257076	0.000356331	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06673.3p-miR	-3.813753745	0.000352979	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01131.5p-miR	-4.519895228	0.001519536	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06092.3p-miR	3.862574726	0.001518102	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03353.3p-miR	-4.160245232	0.001573503	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07866.3p-miR	5.214946608	0.001576663	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03982.5p-miR	-4.102714902	0.001635801	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00141.3p-miR	3.825644909	0.001653643	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00055.3p-miR	6.007583643	0.001698155	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02091.5p-miR	-4.262258924	0.001695972	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00442.3p-miR	4.627278196	0.001815043	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04345.3p-miR	3.993726787	0.001845504	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04197.5p-miR	4.026699918	0.001925506	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07695.3p-miR	3.844254186	0.001942029	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01416.3p-miR	-4.356600708	0.00195735	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05727.5p-miR	4.587677454	0.002022729	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03098.3p-miR	5.656770601	0.002044575	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02066.3p-miR	3.561817067	0.00213419	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05175.5p-miR	-1.185922549	0.001482037	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID00403.3p-miR	3.756954798	0.002198099	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID08111.5p-miR	-3.807724286	0.002214865	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00506.3p-miR	5.164155584	0.002253642	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00730.5p-miR	5.330307488	0.002250791	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05115.5p-miR	-4.453529341	0.002252647	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06844.3p-miR	3.978840637	0.002267126	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01478.3p-miR	3.972503878	0.002290871	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02970.3p-miR	2.931980044	0.000514428	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07009.3p-miR	3.839672259	0.002356424	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02773.3p-miR	4.518529043	0.002394422	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02905.3p-miR	-3.68657312	0.002434754	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08831.3p-miR	4.054510317	0.002463378	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05841.5p-miR	-3.957415667	0.002498411	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02050.5p-miR	-5.234003958	0.002482054	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07824.5p-miR	4.60201983	2.45E-05	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02554.5p-miR	4.555190677	0.00252341	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03893.3p-miR	3.593847173	0.004045668	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC_MD2.ID02126.3p-miR	1.451827053	0.001782406	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID06433.3p-miR	4.295307413	0.00273945	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06390.5p-miR	3.991012698	0.002755294	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03823.5p-miR	3.879328689	0.002812429	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06009.3p-miR	-3.989755274	0.002830427	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03653.5p-miR	4.883752181	0.002923736	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07934.5p-miR	-4.078319656	0.002929015	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03131.3p-miR	3.751722034	0.00300768	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03972.3p-miR	3.784569846	0.003032851	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02000.5p-miR	5.392634372	0.003143169	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02154.3p-miR	-4.396251781	0.003146609	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06554.3p-miR	4.387798596	0.003139251	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07572.3p-miR	-3.915312372	0.00320242	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08486.5p-miR	-3.887475153	0.003232179	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09605.3p-miR	-4.158036816	0.003226871	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03066.3p-miR	-1.599224259	0.001625123	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC_MD2.ID00088.5p-miR	-4.093459824	0.003338064	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01339.5p-miR	3.170500627	0.000694131	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02355.3p-miR	-4.222175444	0.003602964	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07153.5p-miR	3.740413618	0.003588639	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08371.3p-miR	-3.873087387	0.003590353	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06215.3p-miR	3.702159521	0.003651192	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03548.3p-miR	5.023324428	0.003714428	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08211.3p-miR	-4.705342525	0.003717942	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04133.5p-miR	-1.657029037	0.00248944	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID02903.5p-miR	-4.144824332	0.003739725	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05770.3p-miR	6.865129325	0.003793287	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08135.3p-miR	4.153903665	0.003946667	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID00684.3p-miR	6.195031347	0.004034179	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08434.5p-miR	-3.741904172	0.004018306	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01093.3p-miR	-3.207971266	0.000808878	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01019.3p-miR	-3.947784983	0.00414436	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04387.5p-miR	-3.518005909	0.004170622	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02329.5p-miR	3.875903033	0.004198355	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00051.5p-miR	3.736006102	0.004367628	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01767.3p-miR	5.538641135	0.004377749	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05633.3p-miR	5.02784088	0.004264183	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05673.5p-miR	-3.764399583	0.004329739	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06451.5p-miR	3.771384312	0.00427519	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06926.3p-miR	-4.135406749	0.004289928	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02125.3p-miR	-3.886256183	0.004382399	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02796.5p-miR	4.182424269	0.004407616	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02785.3p-miR	4.324652154	0.004614631	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07294.3p-miR	-3.510999533	0.004639479	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07864.5p-miR	-3.662633681	5.35E-05	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08927.5p-miR	-3.731813089	0.000868055	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02027.3p-miR	-5.340729298	0.004736291	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08389.5p-miR	3.373648505	0.000893978	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09745.3p-miR	-3.76806725	0.00476875	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04996.5p-miR	-5.907575247	0.004992966	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03448.5p-miR	3.305828171	0.001003754	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06731.3p-miR	-2.627421791	0.001010748	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09120.3p-miR	-2.799361236	0.001005158	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09799.3p-miR	4.988957257	0.000156714	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
TJU_CMC.ID03066.3p-miR	-1.525246872	0.003710768	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID00808.5p-miR	4.45455467	0.005359437	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04999.3p-miR	4.55163693	0.005443038	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04293.5p-miR	-3.975913396	0.005473644	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07897.3p-miR	3.262292955	0.005460879	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04734.3p-miR	3.31390565	0.005513998	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09827.5p-miR	-2.428909406	0.005517439	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09669.3p-miR	-3.458782703	0.005677504	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03560.3p-miR	999999	0.005760813	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01860.3p-miR	-999999	0.005819237	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08066.3p-miR	4.287744017	0.005869927	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06825.3p-miR	-3.522675208	0.001127059	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02186.3p-miR	3.721624573	0.006069033	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05680.3p-miR	-3.487688128	0.006066361	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03810.3p-miR	3.615932991	0.006213076	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09849.5p-miR	-3.493578587	0.006186266	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08219.3p-miR	4.875280596	0.006322887	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01848.5p-miR	-3.750885689	0.006378115	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID04261.3p-miR	4.129878547	0.006400059	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01104.3p-miR	-3.925384235	0.006412455	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03499.3p-miR	3.397485958	0.006456307	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08877.5p-miR	4.015540666	5.83E-05	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05581.5p-miR	4.983456978	0.006763951	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06430.5p-miR	-3.425154896	0.006796496	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09687.3p-miR	-3.605372058	0.006791673	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02946.5p-miR	-4.006709967	0.00669263	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03249.5p-miR	3.736002726	0.006864919	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03497.5p-miR	-2.826827067	0.006934821	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01429.5p-miR	3.845168153	0.001272276	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04813.5p-miR	-2.734683848	0.001279186	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02519.3p-miR	6.626008984	0.007071927	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07881.5p-miR	-4.645626441	0.007132922	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09682.5p-miR	-3.694229362	0.007468685	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00644.5p-miR	-3.975809646	0.007567406	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07033.5p-miR	3.38977647	0.007574289	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09781.3p-miR	-3.952929903	0.007576322	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09464.5p-miR	-1.268418493	0.003556504	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID05902.3p-miR	3.520306132	0.007741627	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00419.3p-miR	-3.22974304	0.00777046	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07864.5p-miR	-2.782784628	0.00145645	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02392.3p-miR	-3.395999263	0.007852482	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08744.3p-miR	3.823547998	0.007842493	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00802.5p-miR	-3.761374318	0.007825048	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05451.5p-miR	-3.601834058	0.007958604	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05889.3p-miR	3.767260997	0.00794515	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07409.3p-miR	3.713000924	0.007961062	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07851.5p-miR	-0.848685228	0.003847746	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID05259.5p-miR	3.238887474	0.008207578	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08501.5p-miR	-3.68015595	0.008378015	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03695.5p-miR	-3.629989137	0.008416202	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01679.5p-miR	-2.72629129	0.001586112	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04861.3p-miR	-3.49968115	0.008701215	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04105.5p-miR	3.465260213	0.008745639	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01675.3p-miR	3.424525025	0.008770798	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00858.5p-miR	-2.738680205	0.008834193	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00538.3p-miR	-3.58189314	0.008891839	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06335.5p-miR	-8.56605621	0.008900687	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09270.3p-miR	3.076343437	0.001696361	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01817.3p-miR	-5.905477213	0.009056318	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09441.5p-miR	-3.474391593	0.009067118	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03485.5p-miR	-3.449134377	0.009097675	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09034.5p-miR	3.336180378	0.009309824	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID06503.5p-miR	3.649753645	0.009412983	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03683.3p-miR	-3.033501491	0.009501326	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02126.3p-miR	1.329339479	0.004688008	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID04846.5p-miR	2.507408703	0.009784292	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03615.3p-miR	4.380853312	0.009830812	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05919.3p-miR	3.25341944	0.009927145	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05362.5p-miR	-3.481303728	0.010097837	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08830.3p-miR	4.348247017	0.010090991	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06942.5p-miR	4.752723586	0.010149942	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08906.5p-miR	-7.174478753	0.000452493	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID01532.5p-miR	-3.38421841	0.010349591	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00590.5p-miR	2.594449484	0.01047864	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04494.5p-miR	-2.928055747	0.010485439	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02447.3p-miR	-3.049395422	0.002016216	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03129.3p-miR	3.721639697	0.001947997	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04431.3p-miR	2.421432866	0.001984674	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01967.5p-miR	-4.82691252	0.010622482	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05791.3p-miR	4.041554977	0.000123848	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08760.5p-miR	3.213735394	0.010692497	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07726.5p-miR	-3.275093222	0.01078539	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06201.5p-miR	3.243655826	0.010829525	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08567.3p-miR	3.441135965	0.010931409	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04355.3p-miR	-7.774051135	0.011020162	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04470.5p-miR	-999999	0.002097664	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05510.3p-miR	3.762851965	0.002131497	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08188.3p-miR	3.632361015	0.011095653	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05198.3p-miR	3.606212091	0.011215348	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01964.3p-miR	3.485799512	0.011320868	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01548.3p-miR	4.06463058	0.00016661	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02965.5p-miR	4.073358618	0.000182467	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04119.3p-miR	6.354604426	0.000151789	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06401.3p-miR	2.937429039	0.011418415	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00897.3p-miR	-3.242235398	0.011701414	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04312.3p-miR	-2.839092601	0.002316521	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00367.5p-miR	3.612335212	0.012015975	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03089.5p-miR	3.871229705	0.011982943	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06918.3p-miR	3.277969503	0.012019111	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07026.3p-miR	3.21069785	0.011993843	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08755.5p-miR	-3.474241921	0.012057449	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01584.3p-miR	2.538363808	0.012227387	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06706.3p-miR	3.229974177	0.012225456	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00546.5p-miR	-2.930199773	0.012196577	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03479.5p-miR	5.138235153	0.012283946	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05652.3p-miR	-3.801193157	0.012410555	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID04133.5p-miR	-1.395446103	0.006247856	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID02661.3p-miR	-3.416158149	0.012498757	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07851.5p-miR	-0.746966944	0.008090463	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID08923.3p-miR	-3.354714759	0.012687656	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00084.5p-miR	3.251317323	0.002568033	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00409.5p-miR	-2.355643659	0.002594432	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02895.5p-miR	3.067023182	0.002518555	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03038.3p-miR	-2.406007669	0.002497207	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06178.3p-miR	3.30228222	0.012921953	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00712.3p-miR	-2.583984196	0.002706236	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00535.5p-miR	3.272381812	0.013317849	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02225.3p-miR	3.135280669	0.013300742	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02802.3p-miR	-3.361521606	0.013277157	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID03407.3p-miR	5.253149789	0.01340197	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06787.5p-miR	3.365836898	0.013537796	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09586.3p-miR	-4.303430541	0.013592915	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07029.5p-miR	2.549642485	0.013794616	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03316.5p-miR	-5.594060316	0.014229027	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07174.5p-miR	3.108044351	0.014262938	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01826.5p-miR	4.009674068	0.014512746	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03381.5p-miR	-2.022944804	0.014523235	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04092.3p-miR	-3.067669024	0.014458501	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06103.3p-miR	-3.017564221	0.014477798	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09253.3p-miR	-5.174658694	0.014509172	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06029.5p-miR	2.146941799	0.002907061	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01099.3p-miR	-2.904791212	0.002996927	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03444.5p-miR	2.306240096	0.003077447	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08716.5p-miR	2.830640101	0.003016562	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06167.3p-miR	5.117000177	0.014670432	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03541.3p-miR	3.480171069	0.014845228	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09776.5p-miR	2.605647153	0.015609005	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC_MD2.ID00492.5p-miR	-1.885086231	0.007448445	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID06948.3p-miR	3.09443663	0.014984398	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06610.5p-miR	2.508138788	0.003182417	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02254.5p-miR	1.037361726	0.00965459	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID04304.5p-miR	-3.034487907	0.015176374	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05336.5p-miR	-3.326587969	0.015295193	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06510.3p-miR	-2.961506778	0.015296259	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03515.3p-miR	3.113144145	0.015407568	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08821.5p-miR	-8.212551762	0.015353105	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09722.3p-miR	-1.147397694	0.007755472	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID07521.3p-miR	4.000690248	0.015505981	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04182.3p-miR	-9.074339415	0.015816824	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00706.5p-miR	-2.872784647	0.015913657	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID06339.3p-miR	2.569368917	0.003366898	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02375.5p-miR	-3.243638159	0.01623186	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04862.5p-miR	4.27159012	0.016239499	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08840.3p-miR	-2.941710453	0.016148847	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00700.3p-miR	2.896017129	0.003539638	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08202.5p-miR	3.891607394	0.003500977	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07681.3p-miR	-2.781127573	0.016574899	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04643.5p-miR	-2.685076893	0.016782143	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02023.5p-miR	2.749119483	0.016983926	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05546.5p-miR	2.084155351	0.003652502	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08362.3p-miR	2.968005513	0.003638234	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07568.5p-miR	7.428627427	0.017073055	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03979.5p-miR	4.67551264	0.017159213	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01151.5p-miR	-3.312262041	0.017458394	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03087.3p-miR	3.038386397	0.017407724	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02715.3p-miR	-3.116026893	0.017439889	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01679.3p-miR	-999999	0.017623252	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03599.5p-miR	4.282056224	0.017639021	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05141.5p-miR	-2.784882252	0.017823221	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06381.5p-miR	-3.383671724	0.017801519	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09346.3p-miR	2.281824718	0.01784029	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09080.5p-miR	3.045680239	0.017987293	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01924.5p-miR	2.622848898	0.018307235	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07390.3p-miR	7.011168408	0.018332359	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02858.3p-miR	-5.832375062	0.018415983	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00528.5p-miR	5.787064141	0.01858266	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04082.3p-miR	-2.426940063	0.003982178	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04444.3p-miR	2.741083034	0.003953415	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08750.3p-miR	-2.862400301	0.00393965	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00637.3p-miR	6.058184025	0.018701103	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02676.5p-miR	-3.39730811	0.018730489	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08828.3p-miR	3.001424354	0.018742632	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00970.5p-miR	-4.896585032	0.018951843	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05223.5p-miR	4.613596249	0.01898245	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06204.3p-miR	-3.292787893	0.01918446	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01953.5p-miR	6.457921839	0.004130506	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08158.3p-miR	2.719385226	0.019780941	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00536.3p-miR	5.690336637	0.019835689	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00672.3p-miR	3.128585419	0.019904416	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00847.3p-miR	2.327739347	0.020065155	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02654.3p-miR	3.030401524	0.020072372	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04467.5p-miR	3.051362959	0.020037318	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07647.3p-miR	-3.261142395	0.019998013	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02635.5p-miR	-3.168203988	0.020258028	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID00862.5p-miR	2.666454872	0.02028583	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06821.5p-miR	-3.105629789	0.004269169	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04958.5p-miR	2.674148083	0.020416847	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09041.3p-miR	-6.077795644	0.020488339	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07842.5p-miR	3.255613703	0.020621318	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04877.3p-miR	3.545625034	0.020689356	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00795.3p-miR	2.69704536	0.020894454	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08067.3p-miR	-4.163384881	0.021285039	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08640.5p-miR	-3.078424476	0.021476099	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04299.5p-miR	2.245847544	0.00463289	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04613.3p-miR	8.376174999	0.004594609	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08197.5p-miR	-2.37595939	0.004608642	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03014.5p-miR	-3.72049997	0.021530771	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01698.5p-miR	-3.897128686	0.02165587	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00325.3p-miR	-4.298352365	0.021716858	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09179.3p-miR	3.499124516	0.021737413	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05532.5p-miR	-2.800723762	0.021866388	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06173.5p-miR	-4.142784796	0.021812138	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02550.3p-miR	2.839572543	0.021923458	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04190.5p-miR	4.887393981	0.00035747	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID09189.5p-miR	4.448951859	0.022140339	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03233.3p-miR	2.886399829	0.022207984	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01091.3p-miR	2.682059506	0.022422522	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04249.3p-miR	-2.851528998	0.022519412	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02486.3p-miR	3.565057498	0.022456975	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01877.3p-miR	3.408842979	0.022778055	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04106.3p-miR	2.679758478	0.022818898	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00938.5p-miR	-2.537156423	0.004921329	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02270.5p-miR	2.5676745	0.023088502	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01138.5p-miR	2.626576454	0.023250686	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05537.5p-miR	-2.279834527	0.023422243	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05200.5p-miR	-8.02556359	0.00110676	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID01023.5p-miR	2.395829761	0.0050136	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00746.5p-miR	5.09545691	0.023619774	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05806.3p-miR	2.713678593	0.023613813	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00244.3p-miR	-2.949064286	0.023785381	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05479.3p-miR	-2.923242703	0.023892528	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01506.3p-miR	-5.501488348	0.024039293	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03855.5p-miR	-3.324653343	0.024115172	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04136.5p-miR	2.963836967	0.024002725	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06295.3p-miR	-2.621546871	0.024139807	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04598.3p-miR	3.070250447	0.024244748	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07317.3p-miR	5.409734034	0.024418766	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00600.3p-miR	-2.957496647	0.024937555	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID07021.5p-miR	-3.006798222	0.024888573	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07249.3p-miR	-2.309085736	0.024894649	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08808.5p-miR	-2.876100294	0.024654888	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02793.3p-miR	-2.744299539	0.024676699	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03724.3p-miR	3.168829498	0.025598591	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08577.5p-miR	2.728949814	0.025625947	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02213.5p-miR	4.034035398	0.000431332	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID03948.5p-miR	4.031522549	0.00051144	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05204.5p-miR	3.534617933	0.000461617	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00474.5p-miR	-3.273098191	0.005235566	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03053.3p-miR	2.264928957	0.005317008	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC_MD2.ID00590.5p-miR	3.198726848	0.026219482	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03671.3p-miR	3.335933612	0.026339	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01287.3p-miR	3.090214346	0.026553324	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05125.3p-miR	-2.981887028	0.026892611	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05191.3p-miR	2.703208548	0.026757187	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02043.3p-miR	-3.328877283	0.026694567	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09116.3p-miR	2.234253027	0.005488804	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05745.5p-miR	2.793252473	0.027209357	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07158.5p-miR	2.770719295	0.027289652	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05776.5p-miR	2.580231001	0.027373375	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04424.5p-miR	2.049503056	0.005607578	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00117.3p-miR	-2.413142856	0.005761416	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05823.5p-miR	4.392611417	0.005676082	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03197.3p-miR	2.924645557	0.028182015	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06019.5p-miR	4.516508691	0.000563694	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC_MD2.ID01945.3p-miR	3.43074861	0.028395532	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01483.3p-miR	-4.25712926	0.006193215	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06205.3p-miR	-2.958120365	0.006137108	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06799.5p-miR	2.472851563	0.028500375	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02016.5p-miR	3.069788723	0.028705269	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02385.3p-miR	2.522779608	0.028683259	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02695.3p-miR	-5.511362209	0.028676056	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00208.3p-miR	5.264354571	0.028857486	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02153.5p-miR	2.612771596	0.029056618	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00531.3p-miR	-2.927976732	0.029162333	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04567.3p-miR	2.430514625	0.029164041	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09154.3p-miR	-2.352812441	0.029226599	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08726.5p-miR	2.589983043	0.006329591	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00594.3p-miR	2.698714332	0.029666266	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07185.5p-miR	-2.643656815	0.029712357	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07652.3p-miR	2.472825117	0.030047125	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02595.3p-miR	-5.860895396	0.030268541	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06528.3p-miR	-3.065102364	0.030623702	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID06108.3p-miR	2.627764154	0.030913846	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09057.5p-miR	2.493058232	0.031093477	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05094.3p-miR	3.981816007	0.031258199	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07930.3p-miR	2.791865669	0.031218091	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07725.3p-miR	3.11140989	0.03151947	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01609.3p-miR	3.034109734	0.031724563	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07454.3p-miR	2.767698905	0.031834835	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01683.5p-miR	2.783748545	0.03213857	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02746.3p-miR	2.740860826	0.032318065	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05663.3p-miR	-2.606628114	0.032312028	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08849.3p-miR	2.428322284	0.032381642	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03819.3p-miR	-2.959305937	0.032487237	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05844.3p-miR	-2.901395389	0.032863215	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00123.5p-miR	-2.589222168	0.03303298	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05538.5p-miR	-3.518323724	0.033311984	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01155.5p-miR	-4.328614352	0.033315366	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05868.3p-miR	2.381088277	0.006854152	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04089.5p-miR	-6.938537055	0.033396886	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00604.5p-miR	-2.183178506	0.006979761	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05105.3p-miR	-3.748274568	0.033879031	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07218.3p-miR	-2.845161695	0.03388715	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05399.3p-miR	-5.443303801	0.034175132	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02704.3p-miR	-2.863958791	0.034174026	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04691.5p-miR	-2.373867578	0.007247164	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08017.3p-miR	-1.960032406	0.007208365	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08439.5p-miR	2.619626927	0.028759019	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID06040.5p-miR	-2.950733453	0.034656982	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06732.5p-miR	-8.486934482	0.034845755	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00235.5p-miR	2.758952353	0.035035243	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01649.3p-miR	2.2909278	0.035157649	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05869.3p-miR	2.48044966	0.035575191	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08031.5p-miR	-3.266960297	0.035568557	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09363.5p-miR	2.109515609	0.035580324	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00891.5p-miR	-3.542326164	0.035508611	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00512.3p-miR	-1.585565585	0.035922998	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02417.5p-miR	3.252147992	0.03593434	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03110.3p-miR	3.456131986	0.03585254	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09474.5p-miR	-2.926892522	0.035840209	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00167.5p-miR	2.265225917	0.036221926	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00269.3p-miR	3.553813176	0.00797452	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01470.5p-miR	-2.412404392	0.007746582	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01900.5p-miR	2.062213287	0.007966914	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01910.3p-miR	-2.876806803	0.00788604	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02820.5p-miR	2.137825806	0.007948537	Stage 1 Gastric Cancer / Normal Gastric Tissue

TJU_CMC.ID06804.5p-miR	2.759182496	0.007867192	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07941.3p-miR	3.564568697	0.007923931	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08188.3p-miR	-4.859953321	0.00780588	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09566.3p-miR	-2.499761469	0.007670309	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03020.5p-miR	-2.513997914	0.036537429	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02644.5p-miR	2.924896392	0.036574534	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00853.3p-miR	2.548731231	0.008132425	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04896.3p-miR	-2.356304907	0.008138933	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04233.3p-miR	3.02093281	0.03676	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00467.3p-miR	2.471447378	0.036877618	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02097.3p-miR	3.427980707	0.008361803	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05571.3p-miR	2.5736205	0.008436838	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09348.3p-miR	-2.540339155	0.008667802	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08204.3p-miR	2.473750463	0.038189412	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08793.5p-miR	-2.611932298	0.008750634	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01742.3p-miR	-2.456680699	0.038466617	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04356.5p-miR	-4.540040887	0.03841956	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01789.5p-miR	-1.905920815	0.008923227	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04702.3p-miR	2.428493724	0.009016307	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08714.3p-miR	2.357174319	0.008975537	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06000.3p-miR	2.829086018	0.038796939	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03049.3p-miR	2.690202949	0.038943165	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00477.3p-miR	2.075310793	0.009202389	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01538.3p-miR	1.974172003	0.009399986	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08835.3p-miR	-2.678557786	0.009422952	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01842.3p-miR	-2.175939651	0.009537435	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08812.3p-miR	-2.388382571	0.039782219	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07949.5p-miR	3.302646452	0.039894119	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02447.3p-miR	2.535368209	0.040012763	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05372.3p-miR	-3.702075727	0.040103443	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02886.5p-miR	2.722208909	0.040119191	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06513.5p-miR	2.941490989	0.040341719	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02587.3p-miR	-2.853027083	0.040483761	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05236.5p-miR	2.255052835	0.040457277	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04253.5p-miR	-2.060363535	0.009923538	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06838.5p-miR	-1.974424997	0.009915512	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09040.5p-miR	2.89714561	0.00981689	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06200.5p-miR	5.929738732	0.041116714	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04313.5p-miR	2.689009758	0.041411831	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07911.3p-miR	-2.762768146	0.041579908	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00469.5p-miR	2.654255133	0.041653536	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03307.5p-miR	2.667635911	0.041794598	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03971.5p-miR	-2.331922089	0.041708705	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00796.5p-miR	-2.70664484	0.010202348	Stage 1 Gastric Cancer / Normal Gastric Tissue

TJU_CMC.ID04948.3p-miR	2.226044701	0.010185066	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03157.3p-miR	-2.674224631	0.042826516	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07044.5p-miR	-2.514589588	0.042517078	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID07513.3p-miR	-2.667481055	0.04283258	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID09174.5p-miR	-2.073064939	0.042602947	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID00448.3p-miR	-2.815676604	0.042238491	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID01627.5p-miR	-2.449972503	0.042376064	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02925.3p-miR	-2.791352543	0.043037206	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08008.3p-miR	2.552995689	0.043247261	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04118.3p-miR	-1.966661969	0.010544399	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05018.3p-miR	1.987601722	0.010506792	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05503.5p-miR	5.113686357	0.010521132	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC_MD2.ID03086.5p-miR	2.885461243	0.010512505	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01366.5p-miR	-2.560722335	0.043676335	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08624.3p-miR	-3.563081204	0.043626761	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06421.5p-miR	2.461360557	0.043942278	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05772.5p-miR	2.493499888	0.044083642	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01925.3p-miR	2.572862146	0.044153843	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05711.5p-miR	2.814087841	0.044727116	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01536.3p-miR	-4.105353872	0.044982419	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06984.3p-miR	-2.67863973	0.045340989	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01926.3p-miR	5.115238652	0.045633062	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04621.5p-miR	11.43699463	0.045793414	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC_MD2.ID02236.3p-miR	-2.022691596	0.045777842	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00599.3p-miR	2.745303697	0.045982413	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06814.3p-miR	-3.100226571	0.046031206	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08511.3p-miR	2.144631348	0.046138461	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05662.5p-miR	4.003914487	0.046965172	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05481.5p-miR	5.631202084	0.047061598	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02239.5p-miR	1.666720863	0.047287595	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID03380.5p-miR	2.74818524	0.047370756	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID04832.5p-miR	-2.503859524	0.047279009	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID05861.5p-miR	2.727277509	0.047371096	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02422.3p-miR	2.133753278	0.011528269	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08218.5p-miR	6.641461595	0.047959303	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00473.3p-miR	1.751557155	0.011781402	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04227.5p-miR	2.545716489	0.048385438	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08725.3p-miR	-10.72268832	0.048771568	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00431.5p-miR	2.148214933	0.048901953	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID01155.3p-miR	-4.671805316	0.049206737	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID02221.3p-miR	-2.340384796	0.049640476	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID00234.3p-miR	-3.547988725	0.049841816	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID06607.3p-miR	2.424293579	0.049864733	Chronic Lymphocytic Leukemia / Normal B cells
TJU_CMC.ID08109.3p-miR	2.655905187	0.049787226	Chronic Lymphocytic Leukemia / Normal B cells

TJU_CMC.ID00215.3p-miR	-1.885337275	0.011970371	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05108.3p-miR	2.582621485	0.011935898	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02577.5p-miR	2.317229523	0.012067212	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05561.5p-miR	-1.789531226	0.012278689	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07189.5p-miR	1.716924712	0.012380786	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07383.5p-miR	1.820527264	0.012532463	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07957.5p-miR	-1.935121699	0.012588246	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07520.3p-miR	-2.783427678	0.012704742	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00375.3p-miR	-2.131326172	0.013098444	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01864.5p-miR	1.643025886	0.012849988	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04851.3p-miR	2.241577679	0.01310761	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08174.3p-miR	1.681512554	0.013319781	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09722.3p-miR	-0.986418344	0.024951349	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID00579.3p-miR	-3.598339659	0.013560547	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02730.5p-miR	-1.818547003	0.013562724	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04620.5p-miR	2.649212636	0.013587286	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03538.3p-miR	2.582017311	0.037828562	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID02628.3p-miR	-2.201026055	0.013732821	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07261.5p-miR	2.189831384	0.01389691	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01297.3p-miR	3.390718513	0.000847778	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00654.5p-miR	3.454910509	0.000915643	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05313.5p-miR	-3.764364769	0.040079878	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
TJU_CMC.ID00921.3p-miR	-3.350218667	0.014497451	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC_MD2.ID00492.5p-miR	-1.620933739	0.027178806	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID01025.5p-miR	2.811768795	0.015092124	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05045.3p-miR	2.405659845	0.015056884	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07022.5p-miR	5.684162776	0.015055519	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08442.5p-miR	2.725006334	0.014965452	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04423.3p-miR	-1.725831913	0.015145701	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05148.5p-miR	-2.235695907	0.015232917	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07709.5p-miR	-2.024192806	0.015314902	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC_MD2.ID00121.5p-miR	-0.715200567	0.028326407	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
TJU_CMC.ID05312.5p-miR	-2.171325441	0.016199312	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06773.3p-miR	2.47772879	0.016239106	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08458.3p-miR	-2.453214057	0.016075598	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01174.5p-miR	4.539765114	0.016909714	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00909.5p-miR	-2.266728504	0.01735875	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03916.3p-miR	2.045002013	0.017418935	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08289.5p-miR	-2.161273244	0.017696904	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01819.5p-miR	2.295373401	0.01783452	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08998.3p-miR	-2.005443142	0.017866735	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00512.3p-miR	2.252872227	0.018141777	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02102.3p-miR	2.36718115	0.018321663	Stage 1 Gastric Cancer / Normal Gastric Tissue

TJU_CMC.ID04681.3p-miR	-2.176188804	0.018286169	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05039.5p-miR	-1.953170666	0.018285911	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07345.5p-miR	1.837615276	0.018278214	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07698.3p-miR	2.310253622	0.018146438	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06033.5p-miR	2.492889092	0.018503478	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08663.3p-miR	2.385002504	0.018459247	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01474.3p-miR	2.175335304	0.018752613	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06994.3p-miR	1.770534605	0.019217521	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07215.5p-miR	-2.02153499	0.01920981	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02450.5p-miR	3.074617894	0.019501436	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03700.3p-miR	2.022040445	0.019483381	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00543.3p-miR	-2.559793688	0.020403857	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04635.5p-miR	-1.768150111	0.020050026	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05313.5p-miR	2.332004891	0.020192941	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08825.5p-miR	2.129189041	0.020016639	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02254.5p-miR	0.846597348	0.030022777	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID06634.3p-miR	2.793694953	0.020783262	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07607.3p-miR	-1.755779331	0.020832546	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02033.5p-miR	-2.025781962	0.021296034	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09450.3p-miR	4.075418332	0.021239077	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07790.5p-miR	-3.448884632	0.000406238	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04803.5p-miR	-1.6802627	0.021607623	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01178.5p-miR	2.113761409	0.022144989	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01987.5p-miR	2.338536342	0.02197785	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06322.5p-miR	-2.288854644	0.022044522	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06548.3p-miR	-2.35561253	0.022687276	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03007.3p-miR	-4.782773106	0.023567016	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05203.3p-miR	1.645460066	0.023573626	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02573.5p-miR	1.910333851	0.023943836	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC_MD2.ID00121.5p-miR	-0.677750071	0.036899736	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
TJU_CMC.ID01756.3p-miR	1.800767716	0.024285856	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04427.3p-miR	1.777738941	0.024584722	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09661.5p-miR	-2.13052798	0.024499508	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03290.3p-miR	1.861979216	0.024898137	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04435.5p-miR	1.901680316	0.025033691	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03542.5p-miR	1.458859282	0.025368833	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01979.3p-miR	-2.200462458	0.026533005	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02232.3p-miR	2.820569719	0.026297322	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02658.5p-miR	-2.091347003	0.025541927	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03781.3p-miR	3.583905629	0.026450254	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05049.5p-miR	-2.160540938	0.025854201	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06537.3p-miR	2.90612632	0.025947367	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08597.5p-miR	-1.657859844	0.025898359	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09273.3p-miR	3.49373008	0.02566989	Stage 1 Gastric Cancer / Normal Gastric Tissue

TJU_CMC.ID03886.3p-miR	3.846813383	0.027325624	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00362.3p-miR	2.004690628	0.027537299	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04015.5p-miR	-1.696789953	0.027738226	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04848.3p-miR	1.504367112	0.027970622	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00399.3p-miR	1.86923165	0.028478098	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02696.5p-miR	3.394279871	0.028852121	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03641.5p-miR	-1.537500732	0.028218629	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03895.5p-miR	2.117157524	0.028771843	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05169.3p-miR	-2.254702741	0.02873992	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07831.3p-miR	1.857964134	0.028906939	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09027.5p-miR	-1.730870257	0.028240138	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09251.3p-miR	2.099237579	0.028783856	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00316.5p-miR	5.391193344	0.029285182	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02122.5p-miR	-2.083758565	0.02957992	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06120.5p-miR	10.07874658	0.029951987	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02928.3p-miR	1.439304727	0.030421372	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01384.3p-miR	-1.514093873	0.030652927	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00657.5p-miR	-1.95472253	0.031165954	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06067.5p-miR	2.020483018	0.031338715	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06171.5p-miR	2.192147142	0.031661783	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07621.5p-miR	-1.627568334	0.031656234	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01475.5p-miR	-1.650495677	0.032045423	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05551.3p-miR	1.743804934	0.031958613	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05497.5p-miR	-1.925503003	0.032980165	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06140.3p-miR	-3.695678844	0.032857827	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05355.5p-miR	-1.668282195	0.033340954	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01897.5p-miR	-1.670761008	0.034026544	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07980.3p-miR	1.947577562	0.033775432	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00655.5p-miR	1.724749947	0.034445379	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07746.3p-miR	-1.512560985	0.035394075	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00649.3p-miR	-1.417671335	0.036131597	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01354.5p-miR	-1.568861306	0.036080821	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04796.5p-miR	-2.01546058	0.036177296	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05864.5p-miR	-3.573410271	0.035660449	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07502.3p-miR	1.743984055	0.035703936	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07611.5p-miR	-1.714093241	0.035869892	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01593.3p-miR	1.605664473	0.036412631	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03574.5p-miR	-1.664336846	0.036445651	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02897.3p-miR	1.359871297	0.036639227	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00028.5p-miR	999999	0.037217161	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06935.5p-miR	1.970997085	0.037249063	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00529.5p-miR	-1.87499046	0.037915223	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03321.3p-miR	2.510429351	0.038074992	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05942.5p-miR	-2.052000935	0.0380364	Stage 1 Gastric Cancer / Normal Gastric Tissue

TJU_CMC.ID01056.3p-miR	2.323343113	0.038188637	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02982.3p-miR	1.827891802	0.038229827	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01560.3p-miR	1.561285467	0.038391402	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02513.5p-miR	1.935460253	0.038528593	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01950.5p-miR	-1.740687512	0.038938428	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00712.3p-miR	-3.578820565	0.000802636	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03003.3p-miR	-4.105448707	0.000602992	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC_MD2.ID01679.5p-miR	-2.857222319	0.000800548	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03818.3p-miR	2.771556746	0.039337222	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04845.5p-miR	-1.862684838	0.039680261	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01893.3p-miR	-1.985105144	0.039854534	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01219.5p-miR	-1.534319701	0.040088793	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID04676.3p-miR	-1.8439995	0.04021418	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07163.3p-miR	-1.531242371	0.040236773	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05587.5p-miR	1.869978992	0.040353167	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07537.5p-miR	-1.872554033	0.040625072	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07356.3p-miR	-2.118855359	0.041199329	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05439.5p-miR	1.508153637	0.041577774	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06989.3p-miR	2.006062026	0.041594159	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01444.3p-miR	2.555115081	0.046060647	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01479.3p-miR	2.058604722	0.045693455	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID01480.3p-miR	3.687615024	0.044941569	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02100.3p-miR	1.489891693	0.045528966	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02150.3p-miR	1.391882669	0.044235737	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID02856.5p-miR	-1.504663531	0.044931996	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03480.3p-miR	-1.480600601	0.045814693	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03814.3p-miR	-2.042242263	0.045171368	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03817.3p-miR	3.621894525	0.047175638	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03994.5p-miR	-1.518059123	0.045706439	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05164.5p-miR	-1.544533389	0.044049298	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05184.3p-miR	3.267063409	0.047372465	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05337.3p-miR	1.833858164	0.043601761	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06035.3p-miR	-999999	0.042638355	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06232.3p-miR	3.246545679	0.046176078	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06262.5p-miR	1.698765745	0.043332951	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06636.5p-miR	1.919980395	0.04699867	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06724.5p-miR	2.168014304	0.045874228	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07132.3p-miR	-1.721871795	0.046320233	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07608.3p-miR	1.628464608	0.04428472	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID07932.3p-miR	2.369370345	0.04736313	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID08106.5p-miR	1.786172532	0.042705749	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09086.3p-miR	1.758695636	0.042816967	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09269.3p-miR	2.219421129	0.04599574	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID09371.5p-miR	1.896231138	0.043158252	Stage 1 Gastric Cancer / Normal Gastric Tissue

TJU_CMC.ID05831.5p-miR	-4.761579292	0.048202506	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00767.5p-miR	-2.527150757	0.048321	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID05812.3p-miR	-2.517265076	0.048359017	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID06419.5p-miR	-5.793641439	0.003012534	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04247.5p-miR	4.395280759	0.001679836	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01210.3p-miR	999999	0.049941853	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03472.3p-miR	-1.475216055	0.049699193	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID03557.5p-miR	1.533416634	0.049795982	Stage 1 Gastric Cancer / Normal Gastric Tissue
TJU_CMC.ID00512.3p-miR	2.029773173	0.002051085	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01099.3p-miR	-3.269626886	0.001077378	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02447.3p-miR	-3.138250987	0.001684081	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03472.3p-miR	-2.770632211	0.002091258	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03778.3p-miR	-2.566149717	0.001432757	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04082.3p-miR	-2.292365086	0.001517484	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04470.5p-miR	-9.863088018	0.001502956	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06821.5p-miR	-3.25417007	0.002307217	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06444.3p-miR	1.653214013	0.000185226	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07305.3p-miR	2.42654381	0.0002754	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09231.3p-miR	2.335032738	0.000381281	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09257.3p-miR	1.774945288	0.000320958	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06656.5p-miR	2.943589432	0.002959778	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00543.3p-miR	-2.952746517	0.002860035	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03641.5p-miR	-1.737261622	0.003077421	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06731.3p-miR	-2.157167272	0.002987265	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06081.3p-miR	1.613609556	0.000795092	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07748.3p-miR	3.632924218	0.000734968	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08608.5p-miR	-4.761294513	0.000494056	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09409.5p-miR	2.051129669	0.000679156	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01835.5p-miR	3.18205863	0.002083819	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06439.5p-miR	-1.977866648	0.000932038	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04635.5p-miR	-1.934426287	0.003545121	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07938.3p-miR	3.311028792	0.002242892	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05537.5p-miR	2.641046763	0.0026369	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00225.3p-miR	3.951746463	0.004153786	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01606.3p-miR	6.346718292	0.004046096	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02015.5p-miR	-2.21281534	0.004111365	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00641.5p-miR	2.868879593	0.00453698	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01724.5p-miR	3.457748523	0.003316639	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01869.5p-miR	-999999	0.003192327	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01093.3p-miR	-2.897451699	0.004835397	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02648.3p-miR	2.950522108	0.004231351	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04455.3p-miR	999999	0.004199682	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06720.3p-miR	4.543488868	0.004329511	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00955.3p-miR	6.831164867	0.004772912	PBMC Scleroderma Patients / PBMC Control Individuals

TJU_CMC.ID09015.3p-miR	3.12609034	0.004830775	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00649.3p-miR	-1.82174396	0.005864792	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02426.3p-miR	999999	0.00558375	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01200.5p-miR	5.20008035	0.005742175	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05623.3p-miR	2.925825533	0.005784479	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00340.3p-miR	1.993239112	0.001601574	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04683.5p-miR	2.246604768	0.006516713	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00956.5p-miR	-1.644563996	0.006872914	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04312.3p-miR	-2.480319042	0.007310973	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05355.5p-miR	-1.855768435	0.00715091	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05823.5p-miR	4.284212647	0.007316774	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06673.3p-miR	-3.150401134	0.007470134	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07039.3p-miR	3.463613833	0.007037541	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06649.3p-miR	-1.934587257	0.007616704	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03702.5p-miR	3.461908651	0.006315937	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08197.5p-miR	-2.348254142	0.008018667	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00773.5p-miR	2.301016376	0.008162097	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00912.5p-miR	1.96238007	0.001862198	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00409.5p-miR	-1.824781674	0.010067209	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02510.3p-miR	-1.939092573	0.010071596	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02658.5p-miR	-2.196705585	0.009912383	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08835.3p-miR	-2.675705482	0.009634574	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC_MD2.ID00858.5p-miR	4.323371122	0.010095344	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00299.5p-miR	3.787100783	0.010281539	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05262.3p-miR	3.427190631	0.007094902	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID03383.3p-miR	3.451124625	0.00782853	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID07583.3p-miR	-4.673021177	0.007512288	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08289.5p-miR	-2.373992253	0.010900817	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03699.3p-miR	-1.742638842	0.011043398	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01788.5p-miR	-999999	0.008110928	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02580.5p-miR	1.61352745	0.002330424	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00747.3p-miR	1.691988375	0.003680397	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01720.5p-miR	1.714723319	0.004129298	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02109.3p-miR	-1.975837467	0.004168064	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06436.3p-miR	1.503891979	0.003179432	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07393.3p-miR	-1.619332054	0.004050664	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09218.5p-miR	3.556651643	0.003192236	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00341.3p-miR	-1.726729129	0.011967311	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID09085.5p-miR	2.437603929	0.012499213	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07062.5p-miR	1.574930362	0.00458083	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07941.3p-miR	2.999225899	0.012768627	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00107.3p-miR	-2.229420458	0.01311175	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06672.3p-miR	2.248698546	0.004908521	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03038.3p-miR	-1.908413945	0.01358092	Gastric Cancer (All Stages) / Normal Gastric Tissue

TJU_CMC.ID03048.5p-miR	-2.237365771	0.00617588	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04575.5p-miR	1.374083779	0.005749961	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07579.5p-miR	1.513417789	0.005707046	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00117.3p-miR	-2.013676533	0.014763149	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08644.5p-miR	3.07740616	0.014681356	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01789.5p-miR	-1.528641892	0.015622037	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04560.3p-miR	1.926472464	0.015686032	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07132.3p-miR	-2.145459446	0.015765732	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03166.3p-miR	-1.367271523	0.007441783	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06406.3p-miR	1.503842206	0.007351872	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07180.5p-miR	2.534389089	0.007426857	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02391.5p-miR	2.065765985	0.017318452	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID09252.5p-miR	1.45046237	0.008429204	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01025.5p-miR	2.165904826	0.023339219	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01304.5p-miR	3.221546361	0.024071294	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01746.5p-miR	-1.583604032	0.026592602	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01910.3p-miR	-2.441311954	0.018396986	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02033.5p-miR	-1.774828076	0.027084114	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02628.3p-miR	-1.787353578	0.023789006	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03007.3p-miR	-3.612174848	0.019862328	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03895.5p-miR	1.981250026	0.020003969	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04157.3p-miR	-1.717742097	0.023237959	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04253.5p-miR	-1.766416339	0.020243759	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04299.5p-miR	1.997983535	0.026818988	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04423.3p-miR	-1.306189429	0.027161254	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04427.3p-miR	1.989335741	0.023912734	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04609.5p-miR	-1.598892336	0.021224882	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04627.3p-miR	-1.738444442	0.027126725	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05571.3p-miR	2.001384289	0.027073479	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05587.5p-miR	1.889486869	0.023685507	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05831.5p-miR	-4.315550633	0.025696698	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06140.3p-miR	-2.938939032	0.018689128	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07032.3p-miR	-2.678233377	0.022403467	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07163.3p-miR	-1.551579634	0.018813489	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07328.3p-miR	-1.812228701	0.018202268	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07621.5p-miR	-1.630123804	0.019632235	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07831.3p-miR	2.22789396	0.023659153	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07957.5p-miR	-1.640732883	0.022518983	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08188.3p-miR	-2.548460682	0.019403294	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08433.5p-miR	1.837320352	0.02452899	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08542.3p-miR	-1.641071987	0.020214569	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08726.5p-miR	2.41129203	0.020897802	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08763.5p-miR	2.352548471	0.025146309	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08919.5p-miR	-1.571636109	0.025768628	Gastric Cancer (All Stages) / Normal Gastric Tissue

TJU_CMC.ID09200.5p-miR	3.751805405	0.022814355	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID09566.3p-miR	-2.039506479	0.027493623	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID09661.5p-miR	-1.801675613	0.019398026	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01161.5p-miR	-1.871147808	0.029528949	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04906.3p-miR	-1.621951722	0.029550075	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05795.3p-miR	2.58568564	0.029598595	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07769.3p-miR	9.292014054	0.028305422	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08178.3p-miR	-1.642677666	0.028858406	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03480.3p-miR	-1.545934793	0.03021484	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05411.3p-miR	1.93344821	0.031313051	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05815.3p-miR	-1.667436954	0.031498296	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02123.5p-miR	-1.748033387	0.033136473	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02311.3p-miR	2.312634562	0.03349258	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04010.5p-miR	-2.448628541	0.03400175	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05546.5p-miR	1.629003531	0.031926249	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06935.5p-miR	1.854549293	0.033391047	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01479.3p-miR	1.986409421	0.035272638	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC_MD2.ID03086.5p-miR	2.111181769	0.035337682	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08761.5p-miR	-4.267548625	0.010203613	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00938.5p-miR	-1.613840774	0.040784364	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00977.5p-miR	-1.341670399	0.039528803	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00993.3p-miR	1.970492029	0.038198466	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01429.5p-miR	2.867504225	0.036707831	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02586.5p-miR	999999	0.036738061	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03305.5p-miR	-1.609862851	0.037390013	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03732.5p-miR	2.004244641	0.040079898	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04015.5p-miR	-1.498719744	0.039679831	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04681.3p-miR	-1.63555378	0.038292529	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04702.3p-miR	2.271594216	0.039538409	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID04813.5p-miR	-1.58255416	0.038834773	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05559.5p-miR	-1.375051006	0.040184485	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07960.3p-miR	2.165855447	0.038981849	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08674.5p-miR	1.601114325	0.038080565	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID09116.3p-miR	1.968435382	0.04000353	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02809.3p-miR	-2.771104044	0.041691648	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID06403.5p-miR	-1.920068702	0.041883968	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03494.5p-miR	3.95939225	0.010418164	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00900.5p-miR	1.895343037	0.043922464	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID01174.5p-miR	4.633172229	0.042653376	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID08272.3p-miR	3.508139003	0.043302973	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00815.3p-miR	-1.772489511	0.044945986	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID07737.3p-miR	2.504446699	0.045000353	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID00269.3p-miR	2.505206495	0.046165249	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID03292.3p-miR	-1.424577368	0.045752924	Gastric Cancer (All Stages) / Normal Gastric Tissue

TJU_CMC.ID08442.5p-miR	2.030145449	0.0470639	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID05497.5p-miR	-1.294583047	0.048367954	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID02249.3p-miR	1.895760363	0.049410912	Gastric Cancer (All Stages) / Normal Gastric Tissue
TJU_CMC.ID09776.5p-miR	1.489037083	0.038181576	Prostate Cancer / Normal Prostate
TJU_CMC_MD2.ID01581.5p-miR	-1.263595505	0.039312083	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00009.3p-miR	1.477830676	0.047912781	Stage 4 / Stage 3 (Gastric Cancer)
TJU_CMC.ID00052.3p-miR	-1.563173	0.012266671	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00084.5p-miR	-2.939458889	0.016355399	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID00195.5p-miR	1.079999173	0.032878597	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00244.3p-miR	7.100886471	0.038288489	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00247.5p-miR	1.3472225	0.036882313	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00297.3p-miR	7.738409678	0.012633237	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00314.3p-miR	-3.076506181	0.03766979	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID00348.3p-miR	1.327956897	0.015928599	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00350.3p-miR	1.885888423	0.042088708	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00362.3p-miR	-2.085240193	0.042942951	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID00382.5p-miR	-999999	0.030703538	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID00568.5p-miR	2.344610964	0.01887733	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00768.5p-miR	1.193133606	0.047495635	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00768.5p-miR	2.432325887	0.018620428	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00789.3p-miR	1.181960622	0.043194929	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00863.3p-miR	-1.360451143	0.01096608	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID00894.5p-miR	-2.728939887	0.043569208	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID00919.5p-miR	-2.002438715	0.033421367	Prostate Cancer / Normal Prostate
TJU_CMC.ID00971.3p-miR	-2.743521401	0.028929917	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID01018.3p-miR	5.635072153	0.022841887	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID01069.3p-miR	2.605972125	0.021994098	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID01080.3p-miR	0.916170345	0.015991941	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01085.3p-miR	1.678188162	0.015798823	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01088.3p-miR	0.979367272	0.042853103	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01135.3p-miR	-1.838228767	0.01684644	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID01162.3p-miR	-1.077075181	0.048758702	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01261.3p-miR	4.587419352	0.01645577	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01273.3p-miR	1.108485397	0.025187843	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01296.3p-miR	-6.537795507	0.030638518	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID01339.5p-miR	-2.919610922	0.012677767	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID01410.3p-miR	1.564842602	0.010625095	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01421.5p-miR	2.445206236	0.038660729	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01517.5p-miR	2.510345858	0.043562113	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID01546.3p-miR	3.849540809	0.03881563	Prostate Cancer / Normal Prostate
TJU_CMC.ID01589.5p-miR	7.52282662	0.01203502	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01637.5p-miR	-0.951688288	0.046805673	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01657.5p-miR	1.200240685	0.044669458	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01691.3p-miR	6.706337157	0.048069193	PBMC Scleroderma Patients / PBMC Control Individuals

TJU_CMC.ID01706.5p-miR	1.143990065	0.049962547	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID01719.5p-miR	-4.87303582	0.022572743	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID01763.5p-miR	-6.573089908	0.038624619	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID01805.5p-miR	-3.499450023	0.022188591	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01806.3p-miR	4.789701655	0.026115412	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID01864.5p-miR	-2.332814508	0.016055	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID01909.3p-miR	3.565702913	0.014056536	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID01943.5p-miR	-2.212509523	0.010809204	Prostate Cancer / Normal Prostate
TJU_CMC.ID01953.5p-miR	-4.342884428	0.045146045	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID02018.5p-miR	-1.781518856	0.028018214	Prostate Cancer / Normal Prostate
TJU_CMC.ID02034.5p-miR	-1.555519162	0.012591791	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02138.5p-miR	2.512632326	0.032846065	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02211.5p-miR	-3.428004423	0.014486957	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02258.3p-miR	7.462523283	0.044389508	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID02289.5p-miR	4.806026864	0.040544693	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID02290.5p-miR	6.550642842	0.041935162	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02305.3p-miR	1.215472034	0.031476713	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02326.5p-miR	4.891081095	0.027029515	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02376.5p-miR	2.889831458	0.0367707	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID02420.5p-miR	1.134690166	0.024073365	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID02453.5p-miR	2.283757315	0.042273906	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02479.3p-miR	1.340706073	0.022305849	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02495.5p-miR	3.40896854	0.046205988	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02499.3p-miR	-2.561743968	0.048800688	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID02522.5p-miR	-1.327874509	0.020841274	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02561.5p-miR	-2.513059732	0.035711835	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID02629.3p-miR	-999999	0.048131214	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID02630.5p-miR	1.267984776	0.012279347	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02641.5p-miR	3.851807621	0.019760885	Prostate Cancer / Normal Prostate
TJU_CMC.ID02702.5p-miR	-0.848362775	0.044000798	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02760.3p-miR	2.015420588	0.044677375	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02819.5p-miR	1.080945126	0.021311897	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02835.3p-miR	-1.268285688	0.047845428	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02909.3p-miR	-0.997536853	0.019442636	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02914.3p-miR	-2.5089258	0.018325608	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID02928.3p-miR	-1.823624294	0.026092911	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID02936.3p-miR	2.230440371	0.028695444	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02951.5p-miR	3.370149449	0.017946247	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02963.3p-miR	1.346154092	0.049843133	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID02974.3p-miR	-3.445625017	0.025122478	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID02983.5p-miR	1.475207022	0.019934104	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03009.3p-miR	1.649167015	0.02902873	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03046.3p-miR	-1.19936191	0.042007511	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03054.3p-miR	-999999	0.013013719	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)

TJU_CMC.ID03078.3p-miR	1.531824418	0.016192411	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03104.5p-miR	2.23497465	0.029259981	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID03128.3p-miR	1.359735036	0.026875852	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03148.5p-miR	1.363629432	0.017882699	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03152.5p-miR	-1.058108022	0.043698842	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03322.5p-miR	-2.726379148	0.003149937	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID03328.5p-miR	7.228105391	0.041174743	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID03395.3p-miR	-999999	0.024920128	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03444.5p-miR	-2.425956557	0.014239203	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID03468.3p-miR	-999999	0.026548308	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID03469.3p-miR	-999999	0.02046219	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID03525.5p-miR	2.024236382	0.043013288	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03547.3p-miR	1.088942611	0.031389761	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03569.5p-miR	-1.783878949	0.041663766	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID03579.3p-miR	2.339529876	0.031743547	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID03586.5p-miR	1.559085474	0.038078855	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03705.5p-miR	2.314969901	0.01268648	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03708.5p-miR	-2.037179611	0.043388527	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID03820.3p-miR	2.846686172	0.022838815	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID03902.3p-miR	1.198598227	0.039618344	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID03912.5p-miR	1.25809572	0.027856237	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04075.5p-miR	2.310361088	0.040051908	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04080.5p-miR	3.19306214	0.028960073	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04092.3p-miR	-4.408668432	0.024276182	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04286.5p-miR	4.478044918	0.027879142	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04324.5p-miR	-999999	0.043530936	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04342.5p-miR	1.800326099	0.047129364	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID04424.5p-miR	-2.001146748	0.019796024	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID04572.5p-miR	-1.08873462	0.048571828	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04614.5p-miR	3.732040576	0.049558403	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04617.3p-miR	2.237425363	0.035202753	Prostate Cancer / Normal Prostate
TJU_CMC.ID04630.3p-miR	1.247278138	0.0465399	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
TJU_CMC.ID04668.3p-miR	3.319215229	0.018021822	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04740.3p-miR	-2.346176139	0.043984837	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04779.3p-miR	6.486114799	0.045280745	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04788.5p-miR	-999999	0.0487335	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04803.5p-miR	-999999	0.043205027	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04820.3p-miR	2.452780432	0.017802552	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID04842.5p-miR	-2.421514896	0.047905247	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID04865.5p-miR	-999999	0.047614773	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID04868.5p-miR	-1.002409588	0.025247313	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04928.5p-miR	1.359874336	0.024281153	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID04992.3p-miR	1.741755955	0.033510108	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID05017.5p-miR	-2.266144482	0.027216363	Stage 3 / Stage 2 (Gastric Cancer)

TJU_CMC.ID05313.5p-miR	-3.770479664	0.003877615	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID05357.3p-miR	2.339487344	0.049616356	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05397.3p-miR	1.526453747	0.010537367	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05415.3p-miR	-1.455138672	0.041024695	Prostate Cancer / Normal Prostate
TJU_CMC.ID05419.5p-miR	3.086717415	0.01653433	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID05478.5p-miR	2.6303543	0.012681579	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05499.5p-miR	2.419491	0.014931304	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05510.3p-miR	-2.538816142	0.041195298	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID05546.5p-miR	3.2306874	0.0184641	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID05548.3p-miR	2.704833671	0.034293728	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID05639.5p-miR	-1.086178426	0.029198929	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05664.5p-miR	-3.396746446	0.048216431	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID05700.5p-miR	-999999	0.042411288	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05758.5p-miR	-2.925617594	0.017181581	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID05781.3p-miR	1.434647567	0.019638069	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05857.5p-miR	1.447991864	0.010024548	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05896.3p-miR	1.235764812	0.016312488	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05937.5p-miR	-1.273568266	0.040227023	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID05970.3p-miR	2.879521084	0.017012637	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID05977.3p-miR	999999	0.046469869	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID06037.5p-miR	-3.081541785	0.030474184	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06061.5p-miR	0.94952706	0.035513757	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06076.5p-miR	1.344256788	0.029915762	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06115.3p-miR	3.10982229	0.031329725	Prostate Cancer / Normal Prostate
TJU_CMC.ID06117.5p-miR	4.085677992	0.037262132	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID06146.3p-miR	-1.277339046	0.037711719	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06228.3p-miR	-1.444106832	0.01997565	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06339.3p-miR	-2.809713442	0.008258968	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID06484.5p-miR	-1.573142702	0.049709755	Prostate Cancer / Normal Prostate
TJU_CMC.ID06539.3p-miR	-3.729993502	0.000799716	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID06553.5p-miR	1.216440491	0.017832843	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06610.5p-miR	-2.398369481	0.021323249	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID06620.5p-miR	4.717528041	0.029027538	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID06651.3p-miR	1.503525114	0.029348763	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06672.3p-miR	2.363876542	0.014376798	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06684.5p-miR	1.184849137	0.012498505	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06736.5p-miR	1.027632873	0.022289989	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID06760.3p-miR	5.719410568	0.038997076	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID06765.5p-miR	-2.734935036	0.022526889	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID06798.3p-miR	-999999	0.040991372	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID06865.5p-miR	2.266458461	0.049772174	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID06987.5p-miR	1.32602718	0.013148506	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07029.5p-miR	1.025819086	0.039590943	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07034.5p-miR	-999999	0.026977278	Prostate Cancer / Normal Prostate

TJU_CMC.ID07073.3p-miR	1.362074466	0.025985874	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07118.3p-miR	1.358192938	0.025833509	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07253.3p-miR	2.141867332	0.042181369	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID07263.3p-miR	-1.422644797	0.017719	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07272.3p-miR	2.336599302	0.04398778	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID07373.5p-miR	-9.715672414	0.01529549	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID07383.5p-miR	-3.198512488	0.004985778	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID07421.5p-miR	2.135062062	0.043113573	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID07469.3p-miR	1.025498261	0.032668928	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07488.5p-miR	1.195912797	0.026248769	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07510.3p-miR	1.275122876	0.035611377	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07519.3p-miR	3.836738075	0.022542145	Prostate Cancer / Normal Prostate
TJU_CMC.ID07559.3p-miR	-1.460592419	0.030481404	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07610.5p-miR	2.552174284	0.022439374	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID07769.3p-miR	999999	0.044834717	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID07801.3p-miR	-1.119418093	0.013262881	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07809.5p-miR	-1.107946725	0.031809701	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07834.3p-miR	2.63743159	0.041377417	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID07841.3p-miR	2.465873748	0.027102666	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID07861.5p-miR	0.985777139	0.049157741	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07871.3p-miR	1.397277995	0.018354634	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07914.5p-miR	1.28398237	0.049006487	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID07954.3p-miR	-3.239335055	0.03042949	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID07960.3p-miR	-2.422033216	0.022135075	Prostate Cancer / Normal Prostate
TJU_CMC.ID07973.3p-miR	2.613660743	0.018542662	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08019.5p-miR	-1.394101883	0.029579628	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08043.3p-miR	1.951144233	0.045679546	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID08074.3p-miR	1.194016545	0.016403084	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08202.5p-miR	-2.711995889	0.039866728	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID08252.3p-miR	-2.005602975	0.031304754	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID08284.5p-miR	1.270489064	0.036750125	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08389.5p-miR	-2.706964681	0.03043225	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID08391.3p-miR	4.402016384	0.016291452	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08401.5p-miR	-5.124839457	0.017106129	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08486.5p-miR	-1.294807018	0.032293633	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08586.3p-miR	2.133653292	0.047329924	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08622.3p-miR	-1.266121461	0.025040345	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08632.3p-miR	1.277309014	0.019995413	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08687.5p-miR	1.209697855	0.032166429	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID08726.5p-miR	3.241011862	0.001321656	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC.ID08800.3p-miR	2.124294119	0.024098946	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08803.3p-miR	2.325924074	0.040336565	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID08842.3p-miR	-1.501463396	0.030740633	Prostate Cancer / Normal Prostate
TJU_CMC.ID08880.5p-miR	-3.156695744	0.019176545	PBMC Scleroderma Patients / PBMC Control Individuals

TJU_CMC.ID09005.3p-miR	-5.489788623	0.012212712	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID09009.3p-miR	2.705944072	0.033944204	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID09016.3p-miR	4.989971469	0.041187184	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID09037.3p-miR	-1.737934328	0.030312535	Prostate Cancer / Normal Prostate
TJU_CMC.ID09069.5p-miR	1.353962462	0.045436789	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09079.3p-miR	2.222284363	0.018051479	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID09120.3p-miR	2.195852413	0.029115755	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID09230.3p-miR	2.171964668	0.048313984	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID09232.5p-miR	-4.839075346	0.026129589	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID09235.5p-miR	3.134775183	0.008287097	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID09235.5p-miR	-2.943457352	0.044162599	Stage 4 / Stage 3 (Gastric Cancer)
TJU_CMC.ID09252.5p-miR	2.856342709	0.024364685	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID09261.5p-miR	1.736182465	0.011353491	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC.ID09273.3p-miR	-5.126428551	0.005936221	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID09283.5p-miR	999999	0.038985348	Stage 3 / Stage 2 (Gastric Cancer)
TJU_CMC.ID09315.5p-miR	-3.038172331	0.006109781	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC.ID09441.5p-miR	4.08569959	0.025506003	Prostate Cancer / Normal Prostate
TJU_CMC.ID09442.5p-miR	1.710183562	0.03839507	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC.ID09660.3p-miR	4.907722665	0.020611751	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID09753.5p-miR	-6.066785381	0.020677688	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC.ID09799.3p-miR	2.576122738	0.040874487	Psoriasis Biopsy / Normal Skin Biopsy
TJU_CMC_MD2.ID00602.3p-miR	3.794286038	0.042507991	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
TJU_CMC_MD2.ID00858.5p-miR	2.538206626	0.043510714	Prostate Cancer / Normal Prostate
TJU_CMC_MD2.ID01526.3p-miR	-1.195280658	0.049628324	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC_MD2.ID01878.5p-miR	2.011665229	0.010441931	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC_MD2.ID01959.5p-miR	-1.286480278	0.030700595	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC_MD2.ID02369.5p-miR	2.913986759	0.046604875	PBMC Scleroderma Patients / PBMC Control Individuals
TJU_CMC_MD2.ID02968.3p-miR	-1.19449432	0.038131744	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC_MD2.ID03322.3p-miR	-1.191709316	0.034506286	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC_MD2.ID03345.5p-miR	-1.709921748	0.011392242	Hypo-reactive / Hyper-reactive (Platelets)
TJU_CMC_MD2.ID03472.3p-miR	5.102327203	0.029176763	Stage 2 / Stage 1 (Gastric Cancer)
TJU_CMC_MD2.ID03495.5p-miR	2.563610753	0.023443767	PBMC Scleroderma Patients / PBMC Control Individuals

Example 8. Differential expression by disease states for novel isomiRs derived from known miRNA loci

[000256] Using samples from different disease states, the inventors identified differentially expressed novel isomiRs (as listed in Table 3) that were identified as arising from known miRNA loci. As stated above, an isomiR is considered to be differentially expressed if it had a mean expression of at least 50 sequenced reads, a log2-change in expression between the compared states of ≥ 0.58 or ≤ -0.58, and a p-Value ≤ 0.05.

[000257] Table 12 below shows the fold-change of the isomiRs in pairs of the same tissue of different states. Abbreviations: TCGA=The Cancer Genome Atlas; PBMC=Peripheral Blood

Mononuclear Cells; GEO=Gene Expression Omnibus. The actual miRNA/isomiR sequences and corresponding SEQ ID NOs. can be identified in Table 3 according to the the "Name" listed in Table 12.

Table 12. Differential expression of isomiRs in tissues of various disease states

Name	Log2 fold change of Set A / Set B	p-Val	Sets Compared (A / B)
NovelMiR_KnownLoci_ID0005632	-9.449019057	3.11E-24	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005626	-7.795023849	2.08E-19	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002601	-5.915269502	8.38E-18	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006812	-5.344785584	1.15E-16	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008665	5.34176987	4.07E-15	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016689	-4.666623356	6.46E-15	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018483	-999999	3.26E-14	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014279	-4.266134953	7.65E-14	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006814	-5.190619236	3.65E-13	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007177	-4.689737551	2.80E-13	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014280	-4.872763416	3.12E-13	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018486	-7.878955778	3.35E-13	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007176	-3.933533992	5.85E-13	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005625	-7.050750549	7.26E-13	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001499	-3.290788446	4.31E-14	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0006816	-7.413616584	3.30E-12	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007797	-999999	3.24E-12	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005633	-7.82482339	4.19E-12	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007178	-4.438548379	4.94E-12	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018488	-999999	1.64E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015398	-6.344748434	2.57E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014278	-4.584344269	3.41E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002219	6.388645072	4.30E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001366	-7.573149249	4.72E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014277	-4.369431233	5.00E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014281	-5.625271605	7.03E-11	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018600	-6.575438939	1.96E-10	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008648	5.390055579	3.16E-10	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016861	-999999	3.19E-10	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006811	-5.979046087	5.18E-10	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008656	4.63871832	7.80E-10	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006815	-4.656366312	1.26E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002600	-4.255842937	2.01E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005627	-5.9237278	2.23E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006813	-4.997412766	3.19E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001367	-999999	5.74E-09	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0002602	-6.566977183	6.72E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018660	-3.888337722	7.10E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008649	6.412110977	7.46E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014290	-4.717404086	8.92E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007179	-4.753089157	9.70E-09	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016688	-6.129238535	1.44E-08	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002595	-4.569121805	2.62E-08	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002289	-5.785799567	3.69E-08	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020072	2.22973986	7.25E-09	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0014285	-6.709099051	7.22E-08	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002692	2.564939997	1.03E-08	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007782	3.993706559	1.68E-09	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0007784	4.336805868	2.61E-09	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0002593	-4.535144583	9.75E-08	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014733	5.845053014	2.06E-08	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016685	-7.385271628	1.73E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007796	-8.103036319	1.85E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001499	-2.184137246	1.58E-08	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019195	-5.688267903	4.30E-09	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013332	3.004107376	2.51E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015798	6.27244168	2.51E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017560	6.523377655	2.92E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014429	-2.558794358	4.13E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015579	4.096538558	4.51E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019676	-4.073174456	6.14E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014997	3.221678472	6.95E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016690	-3.122517655	7.95E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019196	-4.996100236	2.61E-08	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002220	3.435531715	8.71E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002579	-3.571205913	9.10E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018652	-4.421238031	9.28E-07	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000489	-5.679573104	1.23E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018662	-4.188585908	1.77E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017195	7.053837237	7.63E-08	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015279	1.40741001	3.85E-07	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001051	-4.918229781	2.28E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014995	2.810933016	2.39E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007775	-3.40934988	2.84E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018609	-6.473840401	2.99E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014996	2.854799318	3.10E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002771	-4.011821848	3.42E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004440	-2.65895029	3.56E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016691	-3.141725845	3.52E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017884	-4.022903211	3.54E-06	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0017883	-2.528154892	3.99E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013331	3.142631897	5.63E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018661	-3.524045545	6.01E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015584	3.207078823	6.86E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012646	-2.39031083	6.94E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007780	3.914117266	1.86E-07	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018601	-999999	8.07E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002692	2.341885742	5.29E-07	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0018412	4.02433692	8.32E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010253	2.125689188	8.48E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019651	-2.393563543	9.31E-06	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020074	2.232477393	1.98E-06	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020098	1.813004042	2.40E-06	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020072	1.927137408	1.05E-06	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008662	2.291496076	1.52E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001365	-7.098519582	1.63E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002773	-2.537871799	1.62E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014733	5.073680715	1.76E-06	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0018605	-5.43833329	2.09E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019599	-3.117959681	2.16E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017195	7.525739017	3.09E-07	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019195	-4.628750466	3.52E-07	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016860	-4.212059759	2.27E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016683	-3.974758136	2.46E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002690	3.712339815	1.06E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015279	1.225051913	2.91E-06	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016905	3.881381966	8.67E-07	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004105	-3.779096123	3.36E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004424	1.482397111	7.15E-06	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010260	2.77887709	3.66E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015757	-3.510950334	3.78E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001215	3.153367686	3.84E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002611	-7.115089022	3.94E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004441	-3.069751002	4.00E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002689	4.297158875	2.97E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013953	-3.507976963	2.59E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019192	-4.306221425	2.27E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019193	-4.115018139	3.22E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007164	3.696025911	4.56E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002615	-5.006545534	4.79E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007781	3.024188132	1.61E-06	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0017556	3.187052011	4.17E-06	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018604	1.250212472	1.03E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007790	4.104979694	2.32E-06	PBMC Scleroderma Patients / PBMC Control Individuals

NovelMiR_KnownLoci_ID0016691	-1.37981859	1.28E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019196	-4.039295764	1.26E-06	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015582	4.086672544	6.24E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010264	2.072839546	6.87E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015811	2.514071239	6.88E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013158	-1.512902014	1.50E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002592	-3.332225795	7.28E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007793	3.518175143	3.24E-06	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0001566	-2.867117121	7.60E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019703	-2.4358094	7.93E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004423	1.457852756	1.92E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015803	5.691245111	9.04E-05	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004428	-3.269623123	0.000105243	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004429	-2.260476872	0.000107437	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016681	-3.660212585	0.000109259	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004446	-2.83643266	0.000119554	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015810	4.035438782	0.000118139	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018693	2.197175969	0.000119071	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001567	-2.754675043	0.000123009	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019678	-3.14532339	0.000124852	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016692	-1.225979062	1.69E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020585	2.300080863	0.000135248	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010247	2.57139954	0.000138066	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003918	2.756085064	1.22E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006811	-3.451689481	1.12E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004269	3.637803325	0.000151992	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019653	-2.144583878	0.000169188	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004516	0.956731109	3.91E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010261	2.630935295	0.000172729	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004424	1.369346896	2.57E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020074	2.064494742	2.45E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020098	1.563170714	2.38E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002287	-3.189927854	0.000181679	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016692	-1.199650594	4.23E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007063	-3.464203654	0.000185001	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019704	-2.421244563	0.000188082	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016963	2.026253552	0.000200222	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016970	2.396112803	0.000200218	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015578	3.018753561	0.000202092	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018605	1.248555356	4.71E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019723	2.950995722	8.79E-06	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0015580	3.345584622	0.000221207	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018604	-4.763985083	0.000221239	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002772	-2.116780705	0.000223571	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0010262	2.529516648	0.00023177	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019598	-1.92605706	0.000232379	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001366	-4.732516964	2.18E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013158	-1.36896036	3.72E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016686	-1.31397251	3.82E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017880	-2.888384672	0.000246416	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004574	-1.335364905	5.55E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007285	3.174352485	0.000252162	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010248	2.128634759	0.00025835	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004435	1.295459545	5.90E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004577	-1.540890388	6.01E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008466	1.044558803	6.07E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016691	-1.284021183	4.45E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013156	-1.375997576	7.33E-05	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017869	-1.746468436	0.000331124	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000306	2.094667856	0.000334366	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002692	4.694081922	3.24E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004548	-2.071552492	0.000360601	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002721	-3.02578764	4.32E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004577	-1.516485401	7.02E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015808	4.011792169	0.000407344	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017560	2.658006195	4.87E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002715	-1.40477947	0.000109649	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020586	2.98832932	0.000424742	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013157	-1.444740717	0.000113576	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001565	-2.397751201	0.000448179	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018653	-2.928261041	0.00045157	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007795	2.786043137	2.03E-05	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0008548	2.546369525	2.12E-05	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010259	2.597981641	0.000483607	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006813	-2.98652604	6.04E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008550	2.673434027	6.32E-05	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004516	0.875850868	8.84E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016956	2.303723339	0.000504552	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018604	1.053022649	9.18E-05	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019677	-2.754002867	0.000530842	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001918	1.910562143	0.000552624	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018694	2.397635013	0.000550623	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016686	-1.238325687	0.000157107	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016960	2.071246642	0.000576612	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016964	1.645734282	0.000578397	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0011763	6.697688386	0.000586334	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018664	-2.44337049	0.000587267	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004423	1.306781054	0.000108879	PR- Breast Cancer / PR+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0004968	4.876587226	0.00063666	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015759	-3.940891446	0.000668663	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002283	-2.327737827	0.000685894	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013325	1.726135773	0.000693455	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015319	1.246119369	0.000202816	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016693	-1.083852311	0.000208795	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019654	-2.00236845	0.000722271	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007771	3.808955353	3.18E-05	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010919	-3.400406143	0.000804834	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012650	-2.485796917	0.000803006	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014054	2.007375149	0.000802301	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019597	-2.014594515	0.00080872	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008650	4.442352955	0.000824106	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007478	-2.562706433	0.000829881	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004435	1.210514234	0.000155326	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017162	1.043139843	0.000146998	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013209	-1.71521059	0.000859315	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020588	2.628778376	0.000877719	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019193	-3.750502817	1.42E-05	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015743	-3.591431584	0.00090166	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016883	-2.827493237	0.000931029	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016933	2.359380192	9.31E-04	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007168	2.256272928	0.000973675	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015806	6.128333235	0.000998481	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014428	-1.608285233	0.001006227	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016934	1.912002474	0.001022426	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004574	-1.221609745	0.000203016	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016922	2.671928498	0.000125934	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015804	6.022203554	0.00105651	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004445	-2.36840788	0.001130985	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010252	2.602232395	0.001119774	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010254	2.372957721	0.001123197	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019645	-2.600208304	0.001130939	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008365	-1.448400935	0.000347376	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008464	1.059250686	0.000357779	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015079	2.748618146	0.000353705	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016681	-1.075637178	0.000350915	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013915	-1.771144069	0.001177077	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002719	-2.709469791	0.000141557	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017567	-2.122827187	0.001201663	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018663	-3.384833492	0.00121394	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016920	-2.984291417	0.001263572	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017555	-1.669751782	0.001273464	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004472	3.23376914	0.000162714	Stage 1 Gastric Cancer / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0020266	2.73820545	0.000169978	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017162	0.810572182	0.000432172	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012629	-1.76848938	0.001316211	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013207	-2.000986561	0.001320655	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020589	2.394986367	0.001327703	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018654	-3.128658867	0.001351344	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015809	2.578941981	0.001373704	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014286	-4.561613433	0.001389771	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008466	0.911914084	2.78E-04	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012619	-4.046684133	0.001439184	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020422	2.813436614	0.001446957	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018605	1.079184158	0.00029458	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010255	2.055313764	0.001496637	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014998	2.9241846	0.001524339	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018651	-2.343023151	0.001521734	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016693	-1.051599309	0.000305036	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003757	2.76325045	0.001547803	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015105	2.651062339	0.000199662	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010924	-3.528997326	0.001573946	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015807	2.996405339	0.00158059	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007614	-2.767626743	0.001589973	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003761	3.248961928	0.001614328	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000112	-2.095874408	0.001670846	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010923	-2.096803431	0.001673871	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020095	1.820558046	0.000534201	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000678	2.19579206	0.000241013	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006812	-2.750628436	0.000250237	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002749	2.23200986	0.001822131	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002755	-2.924389712	0.001825291	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019600	-2.111319459	0.001818826	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010263	2.076948861	0.001852925	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016971	2.330532941	0.001869893	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009699	-2.405803329	0.001933132	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016961	1.749794835	0.00198488	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004439	-2.056294389	0.002025088	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015800	3.858627088	0.00203331	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019334	-1.711022528	0.002093903	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012528	-2.372666057	0.002105187	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013157	-1.216090081	0.000488246	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004425	1.378189162	0.000680356	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016685	-1.154892234	0.000692879	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000680	3.123004244	0.000299017	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008363	-1.40457726	0.0007209	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017537	-3.100413593	0.002350094	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0001628	3.787173822	0.002400834	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002293	-3.776885349	0.002461011	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010090	2.902074181	0.002476115	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019336	-1.668169484	0.002476349	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019679	-2.117466896	0.002483008	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009086	2.151114026	0.002534486	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017865	-1.426247531	0.002534052	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006957	-2.761274771	0.002575152	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013954	-3.04101722	0.000346446	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015756	-3.957215893	0.002683533	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007539	1.138000545	0.000943187	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001910	1.694537087	0.002890172	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019631	-1.402189277	0.002978739	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015812	2.014711259	0.002993564	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020419	1.935146137	0.003005282	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020591	2.844475931	0.003029205	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002692	-2.270558551	0.003111018	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013322	-1.113269101	0.001057835	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008958	1.913575238	0.003258707	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000948	-1.746737004	0.003309956	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009555	-3.331912076	0.003314826	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018695	2.701744863	0.003302603	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020587	3.235723562	0.003314535	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007166	2.518308639	0.00333477	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008464	0.958171027	0.000756251	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015319	1.104747824	0.000770452	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016681	-1.044526018	0.000775037	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016690	-0.99294676	0.001155158	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003758	2.294029725	0.003467831	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020590	2.168741629	0.003536032	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016155	-2.580700253	0.003549088	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012010	-0.88489665	0.001223649	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020592	2.983096372	0.003655381	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020568	2.746220062	0.003701853	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012010	-0.923770921	0.000847607	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013322	-1.038113309	0.000855057	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002758	-1.154316458	0.001296063	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004438	-2.008563564	0.003939234	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016972	2.009709037	0.003948297	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012006	3.110921882	0.000118337	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0003920	2.304946882	0.000523631	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006814	-2.402200737	0.000526802	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004447	-2.487176351	0.004079115	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010921	-2.066672639	0.004147498	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0007794	3.686778597	0.000133134	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0013901	-1.746422312	0.004272362	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004425	1.313311497	0.000978509	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012491	-1.10193364	0.001516023	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001999	-2.792832876	0.004452782	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016685	-1.084847273	0.001053049	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007775	2.523876211	0.000176477	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0012007	2.283258358	0.000159117	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0002774	-3.556531011	0.004730366	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000680	2.705016902	9.83E-05	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013324	1.288764838	0.004912299	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003767	2.529016996	0.004996656	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010074	2.094930841	0.004981577	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002591	-3.417411589	0.005105016	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007603	-1.845102986	0.005131075	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001564	0.697955013	0.001169731	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017556	0.831635074	0.001899712	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001567	0.906311208	0.001221021	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0018606	-3.942455849	0.005425933	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002288	-2.886330414	0.00547652	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005615	1.432916653	0.001253237	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004509	-2.845276947	0.005588546	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005486	2.888046565	0.005586427	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006642	2.349314659	0.005906114	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020425	2.162226301	0.005998595	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004443	-2.364131314	0.006086475	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012645	-1.717145729	0.006077346	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020420	1.808549509	0.006173158	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013156	-0.926539715	0.001431473	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002721	1.54925374	0.006284498	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000679	3.222723385	0.000830792	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008502	-1.822761214	0.006367532	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001564	0.668839642	0.002245374	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017535	-2.591195822	0.006432529	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012493	-1.307365458	0.002305042	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013914	-1.691661216	0.006540428	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001564	-1.580181455	0.00656844	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001909	1.726224442	0.006628617	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010249	2.165175712	0.006615154	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002722	-2.241881522	0.000876661	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008364	-1.177414465	0.002361828	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017567	0.829748	0.002410541	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019601	-1.469930596	0.006740328	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007772	-1.734002885	0.006798517	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0011766	1.78550428	0.006980146	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014053	2.174860853	0.006942507	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016975	6.351342646	0.006992257	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019602	-1.867520496	0.006994478	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008522	-2.941563178	0.00702611	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000120	0.840443491	0.002549845	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008360	-1.309616229	0.002558693	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008724	-2.515111671	0.00719913	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002722	1.443161871	0.007223787	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020119	6.960919498	2.11E-05	Stage 3 / Stage 2 (Gastric Cancer)
NovelMiR_KnownLoci_ID0007477	-2.598593322	0.007330281	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012488	1.467517617	0.007355761	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008467	0.691183646	0.002666354	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008655	2.814088964	0.00741327	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020095	1.62914076	0.001628377	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017556	0.819500718	0.001655165	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008486	-2.094349281	0.000984135	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007772	3.945782133	0.000277985	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0002745	2.105352368	0.007551835	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004294	1.382668276	0.00766176	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019650	-2.096329258	0.007698367	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010088	-3.41438848	0.00103012	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001915	1.37580805	0.007771862	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001917	1.793550811	0.007767615	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000679	2.683145996	0.000182692	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003919	2.076484873	0.001260941	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004426	2.149762793	0.00130365	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016883	2.01275798	0.001262385	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016923	2.27713265	0.001180979	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019651	-2.395859429	0.001269633	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020267	3.55676521	0.001161978	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005737	-2.610462221	0.007866146	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004444	-2.671219431	0.00792084	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019192	-3.502796712	0.000203156	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013208	-1.713119592	0.007996192	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008515	-1.620671337	0.008041357	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017857	-1.447252321	0.008070493	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007539	1.038863036	0.001824028	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003604	-1.109889609	0.002932537	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017862	-1.228793046	0.008229433	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001932	1.978055908	0.001460363	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004422	2.45753516	0.001463568	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002281	-4.883359537	0.008296225	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016682	-0.917504012	0.001895624	PR- Breast Cancer / PR+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0015593	1.906715539	0.008449642	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020421	1.367171204	0.008422897	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000110	0.799752562	0.003087054	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008468	0.753143343	0.003059834	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012492	-1.065246586	0.003073583	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0005690	0.789356357	0.002058121	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0014066	-1.654867873	0.008681024	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015078	3.270165453	0.003210086	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000661	0.909024838	0.003340043	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0005615	1.348795396	0.003402086	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004576	-1.757045055	0.009026703	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019757	3.160089218	0.009068392	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004435	-1.823895603	0.009406208	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017871	-2.004439661	0.009382388	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012004	-0.827819423	0.003747659	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008365	-1.218262068	0.002275938	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003497	2.200573608	0.009577608	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008524	-2.403727572	0.009792465	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016684	-1.42555027	0.003923327	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001567	0.794457913	0.00395414	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007774	2.200002205	0.000388928	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0012007	-0.820359403	0.003994747	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002721	-2.381249129	0.000277401	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010922	-2.491042629	0.010183346	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003604	-1.127770826	0.002655766	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016690	-0.93830489	0.002659611	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004468	-2.417232033	0.01022936	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000702	-1.778113726	0.010264594	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013322	1.27684058	0.010432977	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008499	-2.403729556	0.010577496	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016969	1.557142906	0.010596271	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012618	-1.891769648	0.010665523	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001650	4.176138459	0.010730528	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009204	1.75409728	0.002807987	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004308	7.292563766	0.001904682	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013156	-2.33414448	0.010868592	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004462	-2.034324285	0.011053179	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002719	1.497365219	0.011283373	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007927	-2.07365728	0.011266542	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010257	1.641332722	0.011438636	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015594	2.504124478	0.011465039	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004300	8.475280388	0.002065466	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008485	-1.730853338	0.002217104	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010262	-1.925326052	0.002128273	Stage 1 Gastric Cancer / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0020379	2.098147097	0.002112266	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004437	-1.392076866	0.011618583	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008361	-1.163280169	0.00457303	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0018836	4.363927993	0.011678115	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016680	-0.92381836	0.003064063	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016682	-0.838495873	0.004661902	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007655	-1.781218669	0.01181093	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015318	1.802717293	0.011931165	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016153	-2.860038651	0.012047601	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013206	-1.70475083	0.012082509	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016680	-0.89045055	0.004822926	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007480	-1.857382955	0.012219276	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007542	0.874288514	0.004965009	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012008	-0.780245351	0.004976426	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020327	1.282710781	0.012530535	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020768	-1.856624537	0.012635337	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012527	-2.368880271	0.012687122	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014454	1.248628452	0.012719234	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013326	1.858481364	0.012889088	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013900	-1.36891233	0.012922823	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019333	-1.917345247	0.013069268	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016982	1.850687669	0.013254608	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012005	-0.770256709	0.005345425	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001930	1.901501577	0.002578012	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004432	0.944644826	0.005445553	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001566	0.719472757	0.003521044	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004517	0.689434068	0.005489577	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015078	3.193248228	0.003659661	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000110	0.761849304	0.003789371	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015586	2.563294128	0.01413631	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012004	-0.818965262	0.003953073	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004019	-1.402285405	0.014373172	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003159	1.817945928	0.002821899	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008467	1.548254607	0.014645834	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009819	-2.391114889	0.014755101	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007543	0.830614558	0.005974772	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001911	1.811777692	0.014922036	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016683	-0.959570594	0.006062251	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012012	-0.73143808	0.006155514	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011541	-2.814648949	0.015251893	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013323	1.053668339	0.015465853	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016886	-0.74632112	0.006364364	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019628	-1.310351002	0.015577551	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002715	-1.067897089	0.004304875	PR- Breast Cancer / PR+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0010259	-1.987601696	0.003093119	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0011766	0.85653046	0.006569403	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0018645	-3.802658963	0.016020078	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008946	1.799585564	0.01642702	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020377	1.861971471	0.016444869	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005692	0.629370106	0.006886783	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007927	-2.038777899	0.003283266	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002758	-0.999040266	0.004675147	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017567	0.747443057	0.004663502	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002717	1.221432414	0.016611271	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003768	1.750370381	0.016636607	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013913	-1.352742551	0.016746468	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004287	-1.971436374	0.016792192	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009698	-1.504338564	0.01684155	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007540	0.771220786	0.007108225	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010261	-1.912078327	0.003411888	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008357	-1.182178043	0.007222186	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002719	-0.820535449	0.007287642	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012005	-0.783334896	0.004848907	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012007	-0.817753528	0.004937664	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000120	0.744182196	0.005025067	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004510	-2.038195068	0.017433827	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019431	1.244266584	0.017448527	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016683	-0.976781106	0.005091263	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019689	-1.601253361	0.017614591	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003180	1.665889794	0.017927745	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006618	1.990371681	0.017839429	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0011395	-2.287549913	0.017818462	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012529	-1.526376037	0.017941788	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020669	2.198273454	0.017984824	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009653	1.446616797	0.018212476	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016154	-2.410706901	0.018184451	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020359	0.71569181	0.00757136	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0005690	0.716269578	0.007700159	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004566	-1.687639698	0.018540393	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018692	2.845280824	0.01862873	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013936	2.21349405	0.003693922	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007165	2.233178637	0.018727159	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008516	-1.698370179	0.018784828	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007654	-1.847964541	0.019078198	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008468	1.459667099	0.019008869	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019335	-1.290015551	0.018981152	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006362	2.034285295	0.019125016	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017402	1.626076022	0.019251328	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0016811	-1.255887927	0.019317629	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004564	-2.383573793	0.00393534	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017407	1.473704938	0.019825229	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007844	-1.769592513	0.019944967	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008729	-1.795550126	0.019937304	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002599	-2.458940784	0.020053712	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018549	2.33328594	0.020041396	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001630	3.411674814	0.020108784	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006874	-1.794062047	0.020287418	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017408	1.277842701	0.020281495	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000681	1.801031814	0.004011003	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001563	-1.296926848	0.020427058	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004599	1.807512135	0.020550256	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002694	4.778690699	0.004351069	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004468	1.897298086	0.004533451	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005598	-2.161623491	0.004357933	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008359	2.176074786	0.004402267	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016815	-2.520462024	0.004260522	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019221	2.074391887	0.004488637	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010089	-2.194768391	0.004628843	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004469	-1.582535016	0.020982328	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009950	-1.835367652	0.021003065	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017576	0.897767981	0.008356391	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019598	-2.911868321	0.004719265	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016684	-1.322899998	0.005955612	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013323	-0.884618767	0.00605324	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012496	-1.194739853	0.00853833	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009678	0.870209265	0.0085709	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020667	1.402644879	0.021498724	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017409	1.425838922	0.021900745	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012480	1.433979769	0.022035191	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002719	-0.815710566	0.006293181	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009678	0.876435021	0.00640078	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0014454	-1.692475874	0.005177135	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015301	-2.30141586	0.005236796	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015801	4.024093662	0.022761153	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017574	-1.363742481	0.022784381	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0010072	2.485148779	0.022903079	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019346	-1.866535757	0.02296269	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007167	1.930970456	0.023231129	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008484	1.432036205	0.023211538	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008732	-1.548338553	0.023091231	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009920	-1.342676668	0.023122491	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009820	-1.975476784	0.023573869	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0014049	1.782743078	0.023619862	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004302	6.820308179	0.005491024	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008525	-1.588807573	0.023774026	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020378	1.592691466	0.024333814	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004016	-1.106918626	0.024601979	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0016884	1.735449685	0.00573168	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004425	-0.981813207	0.024863717	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013323	-0.898566444	0.009810795	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017557	0.749482653	0.009820226	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0019603	-1.643054845	0.025214154	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012493	-1.136672195	0.006990382	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004573	-0.813888771	0.009947133	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004474	2.235421954	0.006107709	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017546	1.855446913	0.006028891	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017576	1.700236631	0.006061174	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015799	3.683110389	0.025431238	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019644	-1.919609481	0.025509829	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007918	1.335691717	0.000489354	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007921	1.185867493	0.000505752	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001563	0.638220675	0.010049143	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007774	-1.038159242	0.025950392	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005686	-2.014214263	0.006496753	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004431	-1.196516054	0.027014726	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0011768	0.78433655	0.010696142	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000111	-1.654154093	0.027545665	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014430	-0.785356065	0.011052819	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008469	0.615112905	0.011216553	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012495	-2.095760668	0.000561182	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007497	0.736056464	0.011372763	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016678	-0.901540552	0.011405283	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011767	1.164222127	0.028152766	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003844	1.132038747	0.028263396	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015544	1.128838066	0.028437652	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020754	-1.018133857	0.028417666	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007543	0.811780313	0.008092798	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012495	-1.057202977	0.011726388	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015752	-1.729678451	0.029134744	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008523	-1.947348658	0.029416031	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0011767	0.786719019	0.012153112	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004013	-1.73726008	0.02968579	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0011539	-2.33767199	0.029694855	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006360	1.690315673	0.029804431	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001934	1.643020534	0.007320428	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006815	-2.069044823	0.007287083	Stage 1 Gastric Cancer / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0010264	-3.07054538	0.007314652	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019628	1.949702586	0.007254697	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012481	-0.702398013	0.012418698	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008683	-1.731776481	0.007665737	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016691	-1.753835221	0.007874877	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017544	2.027719225	0.007537508	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017568	-1.5192249	0.030576267	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001653	3.391350349	0.030786219	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008686	-1.732632434	0.008083139	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019601	-2.043443473	0.008140446	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010742	2.202608171	0.008253991	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002695	3.911821557	0.008330176	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015077	3.724126375	0.012975456	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012620	-3.373633397	0.031331628	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004573	-0.80262076	0.00881937	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0005692	0.597113056	0.008920264	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017161	0.719815788	0.008865015	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001563	0.610075101	0.008970053	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007226	1.269522323	0.031767389	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001566	0.602106542	0.013247422	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015076	3.671074613	0.013302742	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015402	0.917415326	0.013347815	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020326	0.788483226	0.013329406	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020522	2.08656418	0.032248113	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004432	0.86197041	0.009185009	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016678	-0.938516407	0.009209025	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001903	1.715549497	0.009240535	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004510	1.930723795	0.009303556	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007280	-1.851418003	0.00915848	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008548	1.688920779	0.009234767	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0009679	1.676862531	0.008699352	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010397	-1.606946355	0.009298959	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016861	-3.776663968	0.009179235	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016941	1.925809331	0.009054327	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020368	1.330640925	0.032396561	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000661	0.833516028	0.009737952	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008468	0.628664188	0.009646144	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008362	-1.034307422	0.013874182	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012011	-0.661923079	0.013925693	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013903	-1.469539729	0.033438954	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013922	1.188143516	0.033432681	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004493	1.666060951	0.010012407	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020340	2.880135041	0.010142404	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000091	1.306119857	0.034036914	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0000106	-1.823695664	0.034102786	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020286	-1.062695398	0.034226958	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008363	-1.069915409	0.010297007	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004517	0.588426341	0.010380023	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003844	-2.089963654	0.010688509	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007282	-1.632632853	0.01048436	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008549	2.179901197	0.010630443	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008561	2.120608336	0.010694836	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012005	-1.940058145	0.010544788	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013322	-1.654697094	0.010349238	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020267	-1.009414199	0.034859443	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007542	0.797949066	0.010907732	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020429	1.946102259	0.011034707	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001632	3.66317848	0.036446054	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001634	3.414214884	0.036564308	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008324	-1.154711005	0.036328253	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0011765	1.78453186	0.036424347	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017416	1.332265492	0.036512026	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017856	-1.328084339	0.036485188	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019705	-1.596397554	0.036509864	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001647	6.186245872	0.036940647	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002748	1.665859697	0.03694993	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012617	-1.316140646	0.036852401	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002717	-1.819260005	0.011342822	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008681	-1.791047861	0.01129398	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018273	1.21877872	0.037102533	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003843	0.800243244	0.015219685	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007284	2.03615445	0.037432861	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012647	-1.115472703	0.037787597	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0006378	-1.72338906	0.038046213	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012479	1.282025614	0.03802995	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013916	-1.185615035	0.038026167	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008358	-1.158952242	0.01555406	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020776	-1.331430353	0.038363912	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013157	-3.21319857	0.03843842	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0020397	0.713854175	0.01562512	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020619	-1.629834702	0.038631138	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018834	3.313794649	0.039145736	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012492	-0.886553326	0.01245447	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020359	0.651016402	0.012436224	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002368	-1.735461575	0.012449467	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002715	-1.632424875	0.012304057	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008551	2.11707997	0.01248486	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019140	1.610073826	0.04022371	Chronic Lymphocytic Leukemia / Normal B cells

NovelMiR_KnownLoci_ID0008731	-1.177287364	0.040725646	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007847	-1.288149987	0.041033928	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0009672	-1.6792997	0.041137523	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0005628	1.735432384	0.013219076	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012529	1.707586232	0.013340046	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015296	-1.672117175	0.013407021	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020269	1.799898782	0.013387458	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0009689	-1.573491566	0.041582261	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0013899	-1.12352858	0.041549921	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007831	-1.396985463	0.041883841	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0014541	1.164211108	0.041838832	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007540	0.693895084	0.013527781	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015813	1.88289672	0.042311613	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017547	-1.512066453	0.042265853	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004501	2.253969757	0.042608394	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019430	1.767644009	0.042668929	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012491	-0.852756048	0.013828391	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020343	1.867112025	0.013803665	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004018	-1.122692225	0.043244918	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007228	1.14061798	0.043198944	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017575	-0.890256068	0.043032913	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017576	-0.892599091	0.043376169	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001636	3.162022789	0.043709914	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017569	-1.140242368	0.043721211	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015077	3.672456804	0.014100547	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016979	2.276387208	0.043861348	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0012006	-0.618787367	0.01782383	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013198	0.721945197	0.017960996	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020579	1.745707457	0.044163138	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0007833	-1.345731478	0.044293731	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000662	1.035043193	0.044577068	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003178	1.174743927	0.045202625	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019337	-1.306382367	0.045218622	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0015076	3.594025558	0.014887356	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009678	1.497464196	0.014549704	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0011669	-2.075618336	0.01451933	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016930	2.401542945	0.014529019	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016922	-1.981686621	0.045381544	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018533	-1.865844232	0.045719288	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000677	1.494812883	0.014740361	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005596	-1.973933998	0.014774063	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015805	3.934941723	0.045920907	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0018979	2.365172136	0.045902763	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001568	2.030685081	0.015098282	Stage 1 Gastric Cancer / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0001629	5.066619272	0.046693453	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0019474	1.800992445	0.015185117	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0014452	0.965089206	0.047111218	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0000306	-1.782498926	0.015368291	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0011769	1.765068988	0.015472546	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007481	-1.814419627	0.047284358	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004598	1.202494574	0.047505297	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0003936	0.846247286	0.019721929	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009642	1.056525567	0.047739716	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0001906	1.780946866	0.047825458	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0002758	-1.562446262	0.01576223	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004283	1.706808705	0.01608225	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007549	-1.469136801	0.016096251	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016882	1.814754986	0.015964068	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002400	2.233675636	0.048331961	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0008360	-1.039770621	0.01701811	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012012	-0.662967253	0.017020885	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020397	0.679947335	0.017023526	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010261	0.644136333	0.021102643	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015403	1.012223133	0.02113281	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016688	-0.681952085	0.021139361	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002728	-0.960336275	0.021355033	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012486	1.70973855	0.049409085	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0004425	1.445045276	0.016630178	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016814	-2.148998366	0.016739671	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015319	1.047944216	0.049811748	Chronic Lymphocytic Leukemia / Normal B cells
NovelMiR_KnownLoci_ID0017576	0.787873031	0.01747815	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012006	-0.635392047	0.01753456	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009677	1.538250575	0.017205229	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000108	0.683915901	0.022547023	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011673	-2.144816381	0.017720507	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017163	-1.568696561	0.017617867	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012011	-0.656108339	0.017918657	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007288	-1.467113722	0.018279949	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0014431	1.595356028	0.018263024	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018143	1.526335327	0.018617186	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008364	-0.9278381	0.018567879	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0014430	-0.669701212	0.018698332	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020280	-1.727311431	0.018801391	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007497	0.669169887	0.018872511	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003155	1.599176234	0.019339865	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000112	0.77585192	0.024666538	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009699	1.50175938	0.019567446	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0011688	-0.595557194	0.019788771	PR- Breast Cancer / PR+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0003936	0.818960743	0.02019105	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011687	-0.614117824	0.02062719	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001906	2.036853004	0.020687343	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007929	-1.847651151	0.020892748	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003843	0.736538824	0.02179155	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001902	2.288419134	0.021751411	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003667	1.594679236	0.021759686	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004466	1.341542977	0.021549539	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007274	-1.795104911	0.021392677	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003918	2.025045425	0.001116001	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016963	-1.988115775	0.022209318	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005626	1.436539468	0.022582116	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003604	3.228586738	0.022704026	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003157	1.45851576	0.023372019	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007283	-1.417902964	0.023245704	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010414	-1.541802854	0.023562928	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010261	0.605489433	0.022319449	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000698	1.764767151	0.02381597	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002719	-2.304627015	0.001191873	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000112	0.784001945	0.023070552	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016690	-1.449615906	0.024833755	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020370	1.792777004	0.025017328	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018976	-2.314318865	0.0013893	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004476	0.805767981	0.024089687	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011768	0.638416652	0.02404237	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010090	-1.625847586	0.026135506	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0011287	1.554040814	0.025970754	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016920	1.637001937	0.026037607	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010136	1.780657423	0.026310201	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004818	-1.614771703	0.026591889	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017162	-1.510400512	0.02658692	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019140	-0.602605102	0.028954504	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0009698	1.458337807	0.026863546	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007791	2.172811595	0.001556673	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0007792	2.071347297	0.001605301	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0000108	0.649441086	0.024914632	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002728	-0.912031629	0.025435369	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017557	0.614875588	0.025675801	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001606	-1.525883192	0.027373642	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016812	-1.455098397	0.027663615	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017528	1.223482805	0.027632813	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015300	-1.655779392	0.02784401	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004596	1.507116667	0.028309364	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012496	-0.988171057	0.026397454	PR- Breast Cancer / PR+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0012495	-0.900397963	0.026766623	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012351	0.619227014	0.031025726	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011765	0.701460351	0.031570028	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007771	5.392197612	0.001609439	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007772	5.473538017	0.001423306	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007774	5.961257139	0.000961948	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007775	6.020255271	0.001196034	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007837	5.959781409	0.001544416	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0015304	6.574767228	0.000720994	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0018979	-1.642767664	0.02992236	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017192	0.887266955	0.033087353	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012351	0.602548961	0.027929432	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0018653	0.607578204	0.034000752	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013198	0.672692496	0.028125174	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007793	5.881141067	0.002037524	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007836	5.893085155	0.002050016	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0019597	-2.562717974	0.030480684	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020328	1.413579	0.030832314	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001901	2.06377842	0.031783761	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013916	1.559430962	0.031889404	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0009659	0.687857559	0.036186232	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012481	-0.607066042	0.029398692	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012008	-0.644779112	0.030659193	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0003917	1.211504753	0.032329533	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006630	1.657822149	0.032721901	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013915	0.789903068	0.037305164	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004644	-1.713349147	0.033044255	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015204	-1.311212375	0.033326286	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005035	4.422770147	0.005445293	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0008706	4.659653296	0.004268206	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0003666	1.378955562	0.033682894	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000931	-0.609134799	0.038951361	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001366	-2.971238498	0.001468286	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013953	-2.230251658	0.001554955	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004476	0.777828368	0.0391602	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017558	0.605044402	0.039583483	ER- Breast Cancer / ER+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0002288	4.147775127	0.010199335	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0004736	3.911611617	0.009367712	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0008710	4.052638655	0.008155259	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0015288	4.047651816	0.007529468	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0016951	4.687395359	0.006264058	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0018145	3.889190068	0.009481078	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0018146	4.179993989	0.006428438	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0018845	4.047707612	0.00868934	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0019818	4.288499762	0.007590392	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0005627	1.349410625	0.034754903	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017568	0.65125386	0.041722093	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008694	-1.526657714	0.035017222	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019654	-1.604133507	0.03541071	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007919	1.229489207	0.001244217	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017559	0.714400009	0.034604586	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004432	2.230153663	0.036108331	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008529	2.355112473	0.036641731	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010417	-1.314153716	0.036834681	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015287	3.715193903	0.012730993	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0015292	3.689066373	0.012816448	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0019822	3.78094516	0.012239245	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0020764	3.789910354	0.012688852	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0010416	-1.34390027	0.037337629	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018832	3.779199247	0.013315731	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0019820	3.701423586	0.013217196	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0004423	1.510331261	0.037899833	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005626	1.017353417	0.036043445	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004300	7.357043469	0.00184432	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015402	0.780148322	0.037109753	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016922	2.807383927	0.002060865	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018979	-2.105986906	0.002087069	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012492	-1.968207485	0.002164133	Gastric Cancer (All Stages) / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0004438	3.231107525	0.038859568	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013915	0.796280824	0.037891635	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020326	0.669483224	0.038902773	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004465	1.790202789	0.039552966	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019416	-1.480362433	0.040068988	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007291	3.526323668	0.015887342	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007534	-999999	0.016012461	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0008708	3.524880263	0.014420388	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0010376	3.59104239	0.015432911	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0019759	-1.375528357	0.040391192	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004292	1.244949813	0.040720704	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010415	-1.323948349	0.041103465	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020339	2.225403413	0.041220788	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015303	3.304513447	0.016604387	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0018970	-1.715060229	0.041567269	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020268	2.228915191	0.04159271	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007773	3.300554017	0.017203684	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0000686	1.583855073	0.041832217	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016685	3.554155827	0.017608274	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0019631	1.283759382	0.042320618	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008359	-1.10694584	0.047976602	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004499	1.261808259	0.043028535	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015299	-1.315640933	0.042783022	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019334	-1.26978706	0.043137874	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0013901	1.175590987	0.043273547	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017559	0.666181633	0.049772612	ER- Breast Cancer / ER+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007281	-1.252017259	0.044038927	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000700	-1.183504165	0.044755366	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000732	2.199115317	0.044802494	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008524	1.365420562	0.044865163	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017172	1.217280041	0.04299497	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017861	-1.29842796	0.045671052	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018845	-1.285863204	0.045305677	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015403	0.921325114	0.043246088	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0011766	0.589424144	0.043600957	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008361	1.233402403	0.046234642	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000741	1.592573417	0.048236417	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001565	1.434933272	0.047261886	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001567	1.488769691	0.048307532	Stage 1 Gastric Cancer / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0002367	-1.316487243	0.048290219	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007176	-2.929745098	0.048471001	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0009661	1.61666727	0.048079657	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000320	999999	0.000454896	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0000909	-6.104345173	0.005186164	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0000912	-8.574212007	0.003138338	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002281	-10.94227116	0.005427137	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002287	-11.45657357	0.004256992	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002288	-7.781504238	0.003533327	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002289	-6.81869805	0.002935033	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002293	-999999	0.004743286	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002600	-7.03475837	0.004659698	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002692	6.072847533	0.002130617	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0003642	999999	0.000340531	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004655	-11.27863214	0.004338815	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004662	-7.192611831	0.004213921	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004722	-999999	0.001772252	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004811	-8.037206531	0.002809377	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004874	-999999	0.001546461	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004904	-6.095126994	0.002862054	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004969	-7.01580194	0.002516552	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004973	-999999	0.00272228	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004988	-7.014754599	0.002016504	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005007	-5.889586718	0.005035676	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005008	-6.904427044	0.003884839	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005009	-999999	0.001284511	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005035	-999999	0.000757108	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005036	-6.214547472	0.005198886	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005037	-7.554903404	0.001367255	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005097	-8.529554123	0.00318689	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005156	-999999	0.001036136	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005186	-6.312542478	0.003489759	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005187	-6.161426513	0.002653733	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005195	-7.420889561	0.002624941	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005293	-999999	0.005294755	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005301	-999999	0.001515042	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005313	-999999	0.003477884	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005314	-999999	0.001662621	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005497	-5.877489435	0.003315386	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005498	-999999	0.00053039	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0007177	-8.059885778	0.003470371	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0008948	6.661795434	0.00140914	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0010017	5.748578343	0.00433398	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0011711	-7.287949032	0.003656839	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)

NovelMiR_KnownLoci_ID0014278	-6.800850769	0.004921385	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0014281	-7.123220695	0.005217086	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0014922	-999999	0.005300651	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015398	-9.948048014	0.001290604	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015399	-999999	0.004736851	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016881	6.263902957	0.003210303	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016885	5.260576791	0.005338939	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016922	5.323828824	0.004823113	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016923	5.488049834	0.00139017	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016924	5.288533714	0.003857719	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0019821	3.473898905	0.018658441	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0003604	3.086288934	0.002807574	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010088	-1.932068538	0.002764853	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017162	-1.726511684	0.002595937	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001566	1.363693897	0.049582889	Stage 1 Gastric Cancer / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015757	1.924181878	0.00224191	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0009677	3.348931729	0.019428979	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0015302	3.215071953	0.019450057	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0008361	-0.840888074	0.045924933	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0010380	3.415745482	0.019921154	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0018692	3.451755843	0.019849413	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0004857	-999999	0.005771129	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0011712	-6.310684524	0.005704995	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0009659	0.645727184	0.04650075	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0000912	3.149354147	0.020569125	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0011767	0.583353712	0.049081845	PR- Breast Cancer / PR+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0005079	-10.77823554	0.006043099	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004968	-7.562083434	0.0064295	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005032	-5.994170565	0.006794478	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005080	-7.067089597	0.006723561	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005081	-6.367631305	0.006623473	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0011541	5.272096745	0.006835664	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016921	4.705197146	0.006300768	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0019651	-2.25447345	0.003216531	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019724	2.568864285	0.002444935	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0000680	6.107882666	0.00765359	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002694	5.397879509	0.00750021	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005132	-6.246371338	0.008587791	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005191	-6.343172462	0.00795907	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005486	-9.132641991	0.008649309	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)

NovelMiR_KnownLoci_ID0005501	-5.002940417	0.008146309	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0014924	-999999	0.008092748	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016920	4.348234829	0.008076126	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0011674	3.049994822	0.024782987	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0004867	-6.516061558	0.008869952	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0001153	-5.623850111	0.009147315	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002283	-5.551284957	0.00991483	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004663	-5.307741503	0.009505287	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0012012	-5.794877122	0.009891707	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0007920	1.120377478	0.001772344	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016923	2.093895995	0.003688696	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0014057	-4.627012849	0.00272654	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004987	-4.672830488	0.010437619	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016681	3.108943208	0.027427687	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0005496	-999999	0.010920154	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002694	4.130118613	0.004060994	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005488	-4.810133353	0.011179704	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0000702	5.521601615	0.013004463	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0000946	-6.679916322	0.012932185	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002440	-6.148622486	0.012462975	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005194	-11.59318923	0.012266282	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005283	-999999	0.01196375	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015303	-6.786465465	0.011618309	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016884	4.263254847	0.012110062	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015286	3.118330112	0.029569079	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0004654	-5.686961839	0.01362828	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004932	-6.385072062	0.013686265	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005196	-4.895158063	0.013845085	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005480	-999999	0.013572936	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005487	-7.305685364	0.014371155	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005536	-10.36625918	0.014884906	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015296	-4.807415517	0.014773541	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016934	-5.82795032	0.014872206	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0020074	-5.909770084	0.013862312	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004736	-11.15573851	0.015050275	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015285	2.994180948	0.03132633	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0020768	3.020737418	0.031024186	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0000949	-6.148045631	0.016121218	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004575	-5.000131982	0.016035996	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005481	-6.50881642	0.016231452	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)

NovelMiR_KnownLoci_ID0014280	-8.568753338	0.016512574	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016883	4.434757969	0.015966667	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0008552	-5.249239545	0.033986576	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0010415	2.926113978	0.034105256	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0008561	2.627883554	0.004901745	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005041	-5.051761505	0.017479222	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0007176	-5.939132476	0.017445852	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0001607	2.898651659	0.035793961	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0020072	-5.660282511	0.018135102	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0017185	2.971517627	0.037354689	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0020071	-4.405926161	0.018601784	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015300	-3.049977067	0.020139906	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015400	-999999	0.020112904	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0020098	-6.615117021	0.021005301	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015301	2.719389261	0.041626036	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0000678	1.63973971	0.008453464	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002690	3.363330411	0.008101346	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002722	-1.564147402	0.007463737	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004468	1.662538324	0.008158739	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006811	-1.609059143	0.007297553	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006812	-1.511080733	0.008535993	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012491	-1.932853101	0.006962235	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012493	-2.202323243	0.006992433	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017163	-1.558131277	0.006353065	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017556	2.143234545	0.006877663	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017567	1.903380276	0.006349022	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018970	-2.058833838	0.008042497	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000949	2.689410764	0.043113151	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0005036	2.767563324	0.044839598	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0011673	2.629457504	0.0446647	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0015289	2.678318188	0.044081469	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0015299	2.654805256	0.044184663	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0000946	2.669358083	0.045946991	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0005695	2.811469716	0.045447643	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0004818	-6.196021766	0.022194372	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)

NovelMiR_KnownLoci_ID0007779	2.727244783	0.003788063	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0015544	-4.500632286	0.022646459	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0017528	2.668589403	0.048532059	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0007545	2.59263631	0.049439455	Breast Cancer (adenoid/apocrine/atypical/DCIS/IDC/metaplastic) / Normal Breast Tissue (GEO:GSE28884)
NovelMiR_KnownLoci_ID0008359	2.011704424	0.009283711	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004426	1.853026917	0.009686947	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017560	1.737165772	0.009919048	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005014	-9.585535027	0.025171788	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0011540	4.458400468	0.025786267	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004781	-9.395476987	0.026163846	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0013954	-2.099732653	0.010717685	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017161	-1.470665686	0.010772319	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007179	-8.689440872	0.026455013	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0002689	4.09148346	0.011674323	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001154	-5.139644885	0.027907372	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016882	3.773919885	0.027630155	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0020062	-5.199306815	0.027993671	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004432	1.866918358	0.012673655	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020379	1.783544321	0.012664419	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016690	1.303829464	0.002303543	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0001519	3.495084127	0.030168084	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0014277	-5.850139788	0.031494141	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015297	-3.902927822	0.032247388	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0020083	-6.648096318	0.031146435	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0020096	-6.001770069	0.031826264	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0005315	-3.795435023	0.033251062	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016688	1.364047233	0.003212126	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002695	3.394433612	0.014345609	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002439	-3.878514025	0.034138099	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0015302	-6.942299677	0.034121148	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0001906	1.908502769	0.014548389	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005204	-3.940659966	0.036129985	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004737	-9.241318909	0.037565137	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004863	-9.935842523	0.037927958	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0006631	4.002038967	0.038357737	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0016693	1.167255074	0.003546619	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0014279	-6.525291936	0.038921497	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0008529	2.067688819	0.01575105	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000306	-1.276829007	0.016965336	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001902	1.748093277	0.016871519	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015204	-1.398700672	0.016586154	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002715	-1.466991859	0.017193956	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003919	1.576953624	0.017712507	Gastric Cancer (All Stages) / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0014277	-1.937198131	0.01834988	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020073	-5.205887849	0.041122035	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0006409	2.378137878	0.005587319	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0015755	1.742747985	0.005718571	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0005082	-4.442848618	0.044299988	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0014290	-999999	0.042497344	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0018975	-4.17940066	0.046245562	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0004650	-9.205422795	0.046782419	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0003159	1.953291349	0.019329637	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000681	1.720833577	0.019951538	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005396	-4.84088397	0.049631123	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0006630	4.215954719	0.049646035	MIA PaCa-2 cells / HPNE cells (Pancreas cell lines)
NovelMiR_KnownLoci_ID0001932	1.467208476	0.020763228	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0002692	4.508716673	0.020870439	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016963	-1.579827354	0.021314543	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016689	1.150913584	0.004229944	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0017528	1.388855166	0.022816792	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008681	-1.415910329	0.023020018	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007288	-1.162004303	0.023939462	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016883	1.373457132	0.02465819	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017576	1.280836121	0.023989611	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004440	2.466030914	0.026710066	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0001934	1.393928464	0.037974504	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003920	1.469851212	0.033270099	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004472	2.115083278	0.037095492	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0005097	1.448306894	0.036035052	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007176	-2.322515752	0.029182885	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007280	-1.213733056	0.038889348	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008683	-1.163075229	0.037664995	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0008686	-1.222225377	0.038203977	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0010089	-1.468194749	0.037130397	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0012529	1.648332043	0.031908905	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0014278	-1.541654148	0.037017883	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015105	1.62973204	0.037223248	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016815	-1.004716381	0.035076862	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016882	1.648854901	0.032305862	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016884	1.324794876	0.031313101	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0017546	1.483552129	0.030812704	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0018551	-1.331114801	0.030201788	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019221	1.749731761	0.030525567	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019416	-1.651587931	0.031310018	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020072	2.664829633	0.038896213	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0020378	1.507625358	0.034265834	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007927	-1.206039215	0.039798641	Gastric Cancer (All Stages) / Normal Gastric Tissue

NovelMiR_KnownLoci_ID0016920	2.451481858	0.039738601	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0007283	-1.152071007	0.040272955	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000088	2.220698696	0.010601391	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0000089	2.049970637	0.039988732	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0000224	1.683313144	0.003138308	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0000682	2.109326438	0.031285571	Stage 4 / Stage 3 (Gastric Cancer)
NovelMiR_KnownLoci_ID0000698	-2.157963716	0.020841682	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0000737	1.336831131	0.048758326	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0000784	1.3633824	0.036781185	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0000947	1.806852479	0.012925019	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0000948	1.576768281	0.025518181	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0001160	4.854571964	0.041429589	Stage 3 / Stage 2 (Gastric Cancer)
NovelMiR_KnownLoci_ID0001165	5.731560691	0.016257999	Stage 3 / Stage 2 (Gastric Cancer)
NovelMiR_KnownLoci_ID0001165	-6.453605062	0.036219196	Stage 4 / Stage 3 (Gastric Cancer)
NovelMiR_KnownLoci_ID0001327	-1.228387185	0.018252267	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0001566	-1.066033927	0.034946577	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0001570	1.794672439	0.041982753	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0001646	1.419842271	0.026202883	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0001915	0.998975516	0.040626736	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002400	2.287479457	0.005641745	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0002401	1.99835395	0.023361006	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0002692	-1.372538874	0.009774785	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002692	0.762607228	0.04881566	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0002727	2.709903822	0.035504319	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0002758	-1.117083493	0.042992912	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0003376	1.419018058	0.038615939	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0003844	2.414890125	0.007356262	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0003959	1.227885572	0.023325693	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004009	-5.809900285	0.009153553	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004223	1.239236873	0.044800645	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004422	1.765479178	0.043418436	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004438	1.305563882	0.029342735	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004438	3.322260816	0.04485236	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004473	1.37636942	0.049795549	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004474	1.548847529	0.046311928	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0004476	-1.126276568	0.049170806	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004501	-0.893726602	0.018934363	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0004516	-1.113093062	0.011889523	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004517	-1.265688445	0.006687277	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0004574	-1.23698759	0.046926967	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004577	-1.455503013	0.03499536	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0004593	3.27224678	0.049051089	Stage 4 / Stage 3 (Gastric Cancer)
NovelMiR_KnownLoci_ID0004596	-0.864062051	0.03841529	Hypo-reactive / Hyper-reactive (Platelets)

NovelMiR_KnownLoci_ID0004597	-0.630520482	0.047858443	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0004721	-1.321658628	0.010904688	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0004809	-0.98996739	0.024062358	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0004818	2.177970749	0.018090344	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0004866	1.627339313	0.0484684	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0005097	1.470792939	0.038892585	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0006226	1.86821704	0.037113475	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0006411	1.743389959	0.022974792	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0006479	1.2232759	0.026039611	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0006560	4.729826759	0.042221497	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0006561	5.211960075	0.024769054	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0006813	-1.138098962	0.045795299	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0006813	1.977903417	0.018333439	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0006814	1.670622645	0.030285572	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0006894	-1.084191179	0.046182118	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0007556	1.873776749	0.029168594	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0007603	-1.956668761	0.041984787	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0007666	-1.923376618	0.028092052	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0007770	3.346151882	0.007675091	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0007773	1.739302008	0.021489457	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0007847	-0.89711351	0.007036571	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007847	1.088213117	0.010644848	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007848	-0.865570163	0.027652257	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0007921	-0.670131896	0.005349009	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008435	2.963276905	0.008255797	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0008464	1.717576882	0.029261999	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0008467	0.963977176	0.045307085	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0008468	1.068682687	0.012714248	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0008485	-0.685820747	0.012549533	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0008547	1.414774817	0.045304595	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0008547	2.518940008	0.018162407	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0008549	1.504805044	0.031601881	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0008553	0.944397695	0.030489258	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008554	0.900934486	0.043221531	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008555	1.167275893	0.018303869	Psoriasis Biopsy / Normal Skin Biopsy
NovelMiR_KnownLoci_ID0008556	1.833896322	0.016200819	Psoriasis Biopsy / Normal Skin Biopsy
NovelMiR_KnownLoci_ID0008559	0.828984796	0.04245243	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008560	0.99198759	0.015119335	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008560	-0.924445904	0.020876496	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008561	-2.931377122	0.012748518	Stage 3 / Stage 2 (Gastric Cancer)
NovelMiR_KnownLoci_ID0008563	1.323540598	0.046751873	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0008566	0.999387659	0.040841497	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0008566	-0.881694516	0.032059136	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0008708	-1.027073574	0.015273516	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0008944	0.751405463	0.033035388	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0008946	-0.862788725	0.038658379	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0008958	-1.870420348	0.022232896	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0009656	-1.739443971	0.034211855	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0009679	0.595115288	0.020220076	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0009699	0.641228112	0.039014611	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0009700	0.854564952	0.01874353	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0009828	-1.85215173	0.029340836	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0009829	-1.145057218	0.009240511	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0009832	-2.449877923	0.038294378	Stage 3 / Stage 2 (Gastric Cancer)
NovelMiR_KnownLoci_ID0009832	2.571612338	0.004074216	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0009833	2.974707999	0.04483894	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0010025	-1.101362049	0.044469519	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0010073	-1.867234921	0.032964808	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010074	-1.785717327	0.024815947	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010088	-1.77889176	0.047188331	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010090	-2.008438488	0.025649687	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010248	-1.905936049	0.04581867	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010249	-2.182043981	0.04435497	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010253	-1.999496323	0.035818362	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010254	-1.797392481	0.029800152	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010255	-2.054219204	0.02745165	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010257	-1.866289352	0.045009455	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010260	-1.739894387	0.02085559	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010382	1.246253023	0.027412787	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0010389	-1.39579544	0.048335141	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0010397	1.707654703	0.019663764	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0010413	3.068376067	0.015126531	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0010416	1.631607365	0.04709628	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0010417	-1.395227307	0.03783021	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0010742	-1.29229335	0.007165902	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0011287	-2.312120349	0.02059904	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0011539	-2.228691451	0.007392203	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0011541	-2.317923974	0.008490336	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0011626	-1.947263359	0.020009013	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0011627	-2.026699956	0.016540424	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0012493	1.875572367	0.022815238	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012497	2.462583113	0.044717175	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012498	2.081448367	0.040880977	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0012498	3.16875763	0.005854034	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0012562	-0.710169897	0.026014123	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0013156	1.534582087	0.00484704	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0013156	-1.070008216	0.030485968	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)

NovelMiR_KnownLoci_ID0013322	-1.347946293	0.044696507	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0014063	0.743485673	0.031416042	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0014064	0.966677431	0.003200006	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0014065	0.839251944	0.028796712	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0014423	1.206126894	0.021017621	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0014733	-2.590562831	0.038126349	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0014993	-1.128728015	0.049204401	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0014994	-1.138142176	0.047767547	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0015105	-1.791425838	0.03977389	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0015107	1.896385384	0.008259147	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0015279	0.910704748	0.0225159	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015279	-1.304266004	0.014288165	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0015402	1.61884402	0.010940396	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0015409	0.779206195	0.015354626	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0015411	0.647465866	0.04026841	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0015737	2.842422564	0.024205806	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0015753	1.297156485	0.012687589	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0015758	2.30225198	0.012199665	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0015759	1.724622855	0.007975875	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0016678	-1.265066276	0.049441192	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016678	1.128006491	0.021079613	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016680	1.008731901	0.017186296	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016681	1.049567744	0.009771125	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016682	1.047393175	0.023858444	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016688	-1.899574926	0.01265733	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016689	-1.672530093	0.018368491	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016690	-1.462924949	0.011567979	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016691	1.109140222	0.008040357	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016692	1.134438034	0.016230424	HER2- Breast Cancer / HER2+ Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0016815	2.396041066	0.0198772	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0016861	-2.236398047	0.044484253	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0016886	1.704713716	0.015103114	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0016920	2.630894067	0.026525768	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0017556	-2.596057132	0.002588132	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0017562	-0.867326624	0.040234531	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0017834	-2.050134874	0.045222015	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018651	-2.139228265	0.030309579	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018965	-2.230322649	0.026511325	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018974	-2.307276708	0.021731296	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018975	-1.854048177	0.019114195	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018978	-1.908212986	0.008939353	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0018979	-1.702259229	0.010017986	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019011	-2.198949961	0.018895093	PBMC Scleroderma Patients / PBMC Control Individuals

NovelMiR_KnownLoci_ID0019021	-2.51084482	0.019670061	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019103	-0.994946976	0.01357584	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019106	-0.641585829	0.0460846	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019193	1.81499641	0.024715179	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019314	1.052082133	0.017089199	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019326	1.679904006	0.046063796	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019334	-1.193003664	0.047626226	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019380	0.748168435	0.003443213	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019381	0.583912589	0.022024621	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019382	0.654162965	0.009789332	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019598	-1.638710921	0.041173281	Gastric Cancer (All Stages) / Normal Gastric Tissue
NovelMiR_KnownLoci_ID0019645	-1.72126616	0.036242004	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019678	1.39776551	0.045001464	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019755	1.289004206	0.016157713	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0019795	1.461496566	0.023258829	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019800	1.841394399	0.019540693	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019820	1.510444768	0.009724051	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0019878	-2.256673899	0.022396768	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0020070	-1.036679644	0.035935979	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0020072	2.165354427	0.043723598	Stage 4 / Stage 3 (Gastric Cancer)
NovelMiR_KnownLoci_ID0020073	2.415966774	0.016064883	Stage 4 / Stage 3 (Gastric Cancer)
NovelMiR_KnownLoci_ID0020074	2.255674941	0.034965722	Stage 4 / Stage 3 (Gastric Cancer)
NovelMiR_KnownLoci_ID0020267	-3.760894116	0.005939959	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0020340	-2.818465275	0.012287563	Stage 2 / Stage 1 (Gastric Cancer)
NovelMiR_KnownLoci_ID0020505	1.62840462	0.036370203	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0020529	1.913318597	0.002256683	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0020530	0.804475282	0.021573154	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0020532	0.91808085	0.01158306	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0020568	-2.099850561	0.049107554	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0020569	-2.035885526	0.028428266	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0020588	-1.021089956	0.031090753	HER2-type Breast Cancer / Basal-like Breast Cancer (TCGA)
NovelMiR_KnownLoci_ID0020617	-1.270619251	0.042133864	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0020669	0.981054114	0.03718236	Prostate Cancer / Normal Prostate
NovelMiR_KnownLoci_ID0020711	1.382812489	0.005425765	Hypo-reactive / Hyper-reactive (Platelets)
NovelMiR_KnownLoci_ID0020771	1.602996571	0.039724309	PBMC Scleroderma Patients / PBMC Control Individuals
NovelMiR_KnownLoci_ID0020776	-0.797841047	0.026112847	Hypo-reactive / Hyper-reactive (Platelets)

Table 1. Novel miRNA sequences

Putative miR's found using the inventors' designed method (coordinates and sequences are based on the GRCh37 assembly)

Mature Label	Mature Coordinates				Mature Sequence	SEQ ID NO:
TJU_CMC.ID00001.3p-miR	1	+	888707	888727	CCTCAGCAGGGATGCCCCAGG	1
TJU_CMC.ID00002.5p-miR	1	-	1016423	1016443	CCTGTGACGCGGGAGCCCCCA	2
TJU_CMC.ID00003.3p-miR	1	-	1063596	1063617	CGGCTCCGGGACGGCTCCCCTC	3
TJU_CMC.ID00004.5p-miR	1	-	1102538	1102560	CATCATTACCAGGCAGTATTAGA	4
TJU_CMC.ID00005.3p-miR	1	-	1183069	1183088	GAGCCCGGAGGGCGAGGGGG	5
TJU_CMC.ID00006.5p-miR	1	+	1262314	1262336	CAATCTGAAAGTCGTCCTGGTCA	6
TJU_CMC.ID00007.3p-miR	1	-	1364991	1365011	TTGTCTCCGATAACAGCTGAC	7
TJU_CMC.ID00008.3p-miR	1	-	1494223	1494245	CAGTCTGACCTAGTGAAGTGTCA	8
TJU_CMC.ID00009.3p-miR	1	-	1828668	1828687	CGAGAATAGTCTGACCAACA	9
TJU_CMC.ID00010.5p-miR	1	+	1840188	1840207	AGGCTGAAGAGGACGCGGAC	10
TJU_CMC.ID00011.5p-miR	1	+	1990974	1990994	GTCCAGTTTTCCCGAGCACCC	11
TJU_CMC.ID00012.3p-miR	1	-	2086105	2086124	AATGCGTCAAAATAGGCTGG	12
TJU_CMC.ID00013.5p-miR	1	+	2158880	2158900	GTGTGGCGTCCCGGTAGTGTG	13
TJU_CMC.ID00014.5p-miR	1	-	2267950	2267970	CAGAGGCGGCCTGCACCCCAG	14
TJU_CMC.ID00015.5p-miR	1	-	2813219	2813238	GTGCACGAGCGCACGTGTTT	15
TJU_CMC.ID00016.3p-miR	1	+	2837102	2837123	TCAGGCTCATGGGGCTTCCAGC	16
TJU_CMC.ID00017.5p-miR	1	-	2929249	2929268	CGCGGGAGCGCCGCGTGGGG	17
TJU_CMC.ID00018.3p-miR	1	-	3019893	3019912	GGGTGCCCTTAGAAGATGAG	18
TJU_CMC.ID00019.5p-miR	1	+	3211171	3211190	GTTAGAACAGGATCCCGACG	19
TJU_CMC.ID00020.3p-miR	1	+	3259452	3259474	TGTCCTAGGCATGGGCGTTTTGG	20
TJU_CMC.ID00021.3p-miR	1	-	3495308	3495328	CAGAGTTCTGAGCTGGGTGCC	21
TJU_CMC.ID00022.5p-miR	1	-	3731073	3731093	AGAAGCCCACTGGTATGGGCC	22
TJU_CMC.ID00023.3p-miR	1	-	3766794	3766814	AGCTACATTTGAGTAGCTAAA	23
TJU_CMC.ID00024.3p-miR	1	+	4236930	4236951	TCCTGAGCTGGGATCAGGTGCT	24
TJU_CMC.ID00025.3p-miR	1	+	4399586	4399607	GTCCAGAGGGCCCAGGGGCTTT	25
TJU_CMC.ID00026.5p-miR	1	+	4405942	4405963	ATCTGTAAAGGCTTTATTTCCA	26

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Table 1. Novel miRNA sequences

TJU_CMC.ID00027.5p-miR	1	-	4459634	4459655	TGACCTGAATCCAGGATTCCGA	27
TJU_CMC.ID00028.5p-miR	1	+	5211245	5211264	GGTCGCATAGCTCAGTAATG	28
TJU_CMC.ID00029.5p-miR	1	-	5508680	5508700	ACCCTGTAGTAGGCTGCCCTG	29
TJU_CMC.ID00030.3p-miR	1	-	5559898	5559919	TTCACTGCCCTTGACAATCTGA	30
TJU_CMC.ID00031.5p-miR	1	-	5598621	5598643	TAGCTGCGACTTTCAGCACACTG	31
TJU_CMC.ID00032.3p-miR	1	-	5662544	5662565	GAACATAATCCATGCAGTCTGG	32
TJU_CMC.ID00033.5p-miR	1	-	5676927	5676948	GCCCTGAGAGCCGAGTCCACAG	33
TJU_CMC.ID00034.3p-miR	1	+	5719890	5719909	GCCATCTGCCATCGGATCCT	34
TJU_CMC.ID00035.3p-miR	1	+	5759898	5759918	GATGTCAAATCCCAGGAATCC	35
TJU_CMC.ID00036.5p-miR	1	+	6126315	6126335	AGCAGCAAAGGATGAAATATA	36
TJU_CMC.ID00037.5p-miR	1	+	6136430	6136451	GTAATGCCTGTCGGAGCCACCA	37
TJU_CMC.ID00038.3p-miR	1	-	6182248	6182270	CATAGCTATCCCATGGTGATGGG	38
TJU_CMC.ID00039.5p-miR	1	+	6247051	6247073	ACGTACCATCGACATCGGCAGTA	39
TJU_CMC.ID00040.5p-miR	1	-	6621013	6621032	CGACTCTGTCGCCCAAGCTG	40
TJU_CMC.ID00041.5p-miR	1	-	6910947	6910968	ATACCTGTTAGGAGCTACTATC	41
TJU_CMC.ID00042.3p-miR	1	-	7181872	7181891	GGCACCCCCCTCGCGGCTCT	42
TJU_CMC.ID00043.5p-miR	1	+	7455352	7455371	GTCCAGTTTTCCCAGCAAAA	43
TJU_CMC.ID00044.5p-miR	1	-	7508104	7508123	CAGCGGCCGCAGAGGAGCAC	44
TJU_CMC.ID00045.5p-miR	1	-	7670912	7670933	TGAGGTTCATCTGGTGCTCTGA	45
TJU_CMC.ID00046.3p-miR	1	-	7831437	7831458	TAGCGTCACTCACATTTTGGCA	46
TJU_CMC.ID00047.5p-miR	1	+	8138321	8138341	TAATACTGCCTGGTAAGCATT	47
TJU_CMC.ID00048.3p-miR	1	+	8156923	8156944	TGAGTCATTCAGTTTATGAATT	48
TJU_CMC.ID00049.3p-miR	1	+	8409697	8409718	CCCGTCCGTCCGTCCATCCGTC	49
TJU_CMC.ID00050.5p-miR	1	-	8449938	8449959	TGGAGGTGATGAACTGTTTGCA	50
TJU_CMC.ID00051.5p-miR	1	-	8906437	8906458	CTCTTGCCAAAAACATGGTCAC	51
TJU_CMC.ID00052.3p-miR	1	+	9267546	9267568	AGCAATGCCATGTGAGGCTATGA	52
TJU_CMC.ID00053.3p-miR	1	+	9431668	9431687	CTGAACCATAAACTATGCCG	53
TJU_CMC.ID00054.3p-miR	1	+	9692444	9692463	GCAAGGATAATGCACTACAG	54
TJU_CMC.ID00055.3p-miR	1	-	9779297	9779316	CCACTACGCCTCCCGGCCAG	55
TJU_CMC.ID00056.3p-miR	1	-	9864640	9864661	TAAAGTGCTGGGATGATTGGTG	56
TJU_CMC.ID00057.5p-miR	1	+	10381922	10381944	AGCAGGAGGACACAGGAGAGCTG	57

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TJU_CMC.ID00058.5p-miR	1	+	10400755	10400778	ACCCAGGATGGGGGGGTTGCAGTG	58
TJU_CMC.ID00059.5p-miR	1	+	10494446	10494467	TAGAAACCAAAGGCATAGTCAC	59
TJU_CMC.ID00060.5p-miR	1	+	10900617	10900638	TGTATTATTGAGTGTATGCATA	60
TJU_CMC.ID00061.5p-miR	1	-	10921442	10921462	AGCCCGTGGACGCACACTCAC	61
TJU_CMC.ID00062.5p-miR	1	+	10997949	10997968	GCTGAGAATCGGGTGGATCT	62
TJU_CMC.ID00063.5p-miR	1	+	11010814	11010837	GCCCAAGGGTCAAATACAGCCCTT	63
TJU_CMC.ID00064.5p-miR	1	-	11087580	11087602	AGCAGCAGGTGCACTTTTATATG	64
TJU_CMC.ID00065.5p-miR	1	+	11222383	11222402	GGGAGTGAAATAGAACCAAG	65
TJU_CMC.ID00066.3p-miR	1	+	11316113	11316133	CGAAGGGCGGCTACAGCTCCC	66
TJU_CMC.ID00067.3p-miR	1	-	11764313	11764332	CCCAGCCCTGCCTTTCTGTC	67
TJU_CMC.ID00068.3p-miR	1	+	11828218	11828239	GGGCCGCTGGCAGCTGTTGCGA	68
TJU_CMC.ID00069.5p-miR	1	-	11968898	11968919	CGGAGAAGCCGGCGGGAGCAGC	69
TJU_CMC.ID00070.3p-miR	1	+	11979050	11979070	TACTCTCATAACCATCGGCTG	70
TJU_CMC.ID00071.3p-miR	1	-	12072130	12072149	TGGGATGAAGCACTGAGCCA	71
TJU_CMC.ID00072.5p-miR	1	+	12186309	12186330	TCCAAAGGGGCTGCCCGAGCCA	72
TJU_CMC.ID00073.3p-miR	1	+	12188144	12188166	AGCCGTGGGTGGTGAAGGAGGGA	73
TJU_CMC.ID00074.3p-miR	1	+	12364714	12364733	TGCCCAGTACCTCCACCAAG	74
TJU_CMC.ID00075.3p-miR	1	+	12513878	12513899	TCTACCTTGGGTTGTAGGTCAC	75
TJU_CMC.ID00076.3p-miR	1	+	12571857	12571876	GTCTTGCTGCTTGGTGGGTG	76
TJU_CMC.ID00077.3p-miR	1	-	13964422	13964442	ATCTGGATACTTAACTGCTAT	77
TJU_CMC.ID00078.3p-miR	1	+	14230958	14230979	AGCTACAGCAAAGCCTCCACAG	78
TJU_CMC.ID00079.3p-miR	1	-	14673123	14673142	AACATCTAAGTACCCTGCTC	79
TJU_CMC.ID00080.3p-miR	1	+	14694852	14694871	GCAGCTGTTTACCTAGAAGT	80
TJU_CMC.ID00081.3p-miR	1	+	14924975	14924998	CCAGGCGACCCCTGCCCCTCGCCA	81
TJU_CMC.ID00082.5p-miR	1	+	14981869	14981889	GGCTGGTCCGATAAATTTATA	82
TJU_CMC.ID00083.3p-miR	1	+	15027280	15027301	AACAGTCCTGGTCACGGAGCCA	83
TJU_CMC.ID00084.5p-miR	1	+	15513236	15513257	GTTGCCTGAGGGTGGGATGGTC	84
TJU_CMC.ID00085.5p-miR	1	-	15545238	15545259	CAGGTCGTTGTCATGGCAATTG	85
TJU_CMC.ID00086.5p-miR	1	+	15598013	15598033	CCTTTGGGGAAACATGGTCAC	86
TJU_CMC.ID00087.5p-miR	1	+	15637571	15637590	CAAGATGAAATCTACGATTG	87
TJU_CMC.ID00088.3p-miR	1	+	15639496	15639518	AGCGATGACAGTCATCCTCACTG	88

Table 1. Novel miRNA sequences

TJU_CMC.ID00089.3p-miR	1	-	15673627	15673649	CTCTGTGAGAGGGCTGCAGGGCA	89
TJU_CMC.ID00090.5p-miR	1	+	15738808	15738828	TCCCTGTGCTGATAGTGCTGA	90
TJU_CMC.ID00091.3p-miR	1	-	15939438	15939459	GATCTACCCACTGGGCCCCCCA	91
TJU_CMC.ID00092.3p-miR	1	+	16009939	16009958	GCCGGCGGGAGGGGGCCCAG	92
TJU_CMC.ID00093.3p-miR	1	-	16022672	16022691	CCCAGCCCTGCTCCTTGTGA	93
TJU_CMC.ID00094.3p-miR	1	+	16122006	16122025	CTGACCTATGAATGTGACTG	94
TJU_CMC.ID00095.3p-miR	1	+	16134950	16134970	CTGACCTATTGGCCAGGCTTA	95
TJU_CMC.ID00096.5p-miR	1	-	16320009	16320030	CTCGTGCCACTGGGCCTTGGCC	96
TJU_CMC.ID00097.3p-miR	1	+	16333594	16333614	GATCTGAGATGGGAAATAAGG	97
TJU_CMC.ID00098.3p-miR	1	+	16483665	16483687	TGCTACCCAGGTACGTGGGTCTT	98
TJU_CMC.ID00099.3p-miR	1	+	16712349	16712368	GATCCCATTCACCTTGTGGT	99
TJU_CMC.ID00100.3p-miR	1	+	17250589	17250610	CCCAAACCTGCTGGGCCACACT	100
TJU_CMC.ID00101.3p-miR	1	-	17473641	17473660	ATCCCATAGGACTGTGGTTT	101
TJU_CMC.ID00102.3p-miR	1	+	18312424	18312444	AGAAGCTACCATCTGTGGATC	102
TJU_CMC.ID00103.3p-miR	1	+	18328772	18328794	TGGCTCAGGGACACAGGACAAGA	103
TJU_CMC.ID00104.5p-miR	1	+	18581087	18581108	TAGGTGCCATTGAAAGCCATTG	104
TJU_CMC.ID00105.3p-miR	1	-	18630570	18630591	CGAGTGCTGCCAGGTCTGCTTC	105
TJU_CMC.ID00106.3p-miR	1	-	18637381	18637402	GGAGAACGCCGTGTGATGATGG	106
TJU_CMC.ID00107.3p-miR	1	+	18661434	18661453	GGGCATCTACGACCGCGCCA	107
TJU_CMC.ID00108.5p-miR	1	+	18766389	18766409	CTAATAATGAAAACCATCAGC	108
TJU_CMC.ID00109.5p-miR	1	-	18805460	18805481	AGCAGCGGTAACTGGACCTCCA	109
TJU_CMC.ID00110.5p-miR	1	-	19239820	19239842	ACCCTGGCGGCTCCGGGCCACAC	110
TJU_CMC.ID00111.3p-miR	1	-	19388867	19388888	ACGAGACTCAAAGCCAGGTGTC	111
TJU_CMC.ID00112.5p-miR	1	+	19684651	19684672	TGAGATGAAGCCTCACCATCTC	112
TJU_CMC.ID00113.3p-miR	1	-	19705052	19705073	AGGTGGAAGCCAACAATGCCTT	113
TJU_CMC.ID00114.3p-miR	1	+	19706737	19706756	AGTCTCCAGGCAGGAATTAC	114
TJU_CMC.ID00115.3p-miR	1	-	20102862	20102883	TCTCCCACCCCCACTCCACAAT	115
TJU_CMC.ID00116.3p-miR	1	-	20760059	20760079	CGATCTCGGCTCATGGCAACT	116
TJU_CMC.ID00117.3p-miR	1	-	20930338	20930360	AGGCAAGATGTTGGCATAACCAG	117
TJU_CMC.ID00118.3p-miR	1	+	20931350	20931369	ACTTCTTACTCAACACACGC	118
TJU_CMC.ID00119.5p-miR	1	+	20987252	20987274	TAGCACCATCCAGGACTGGCAAC	119

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TJU_CMC.ID00120.5p-miR	1	-	21231800	21231821	TTGCTTAAGTTCACATAGTTGA
TJU_CMC.ID00121.5p-miR	1	-	21415706	21415727	ATCCTTAACTCGCTCTTCTAGA
TJU_CMC.ID00122.3p-miR	1	+	21754929	21754948	CGGCGGCGGCGCGCCGCCCG
TJU_CMC.ID00123.5p-miR	1	-	21801254	21801275	CTGACAGGAGCACTCCAGGGTG
TJU_CMC.ID00124.5p-miR	1	-	21931090	21931110	CCACTCCCTTCCTCTCCACCA
TJU_CMC.ID00125.3p-miR	1	+	21940877	21940898	TGGCTCAGTTCAGTGAAGGTGG
TJU_CMC.ID00126.5p-miR	1	+	22112492	22112511	ATCCCAGGCGACGGTGGGAA
TJU_CMC.ID00127.5p-miR	1	-	22165865	22165884	CCATCATCCTGCACGTGGAG
TJU_CMC.ID00128.5p-miR	1	+	22441121	22441141	GGGGGATTAGCTCAGCTGGGC
TJU_CMC.ID00129.3p-miR	1	-	22893730	22893749	CCCCCGCCCCACCCCGCATC
TJU_CMC.ID00130.3p-miR	1	+	22978895	22978914	TCAGCCCCTCTCCGGCCCTA
TJU_CMC.ID00131.3p-miR	1	+	23412077	23412098	CACTGACCCACTAAATATAAAG
TJU_CMC.ID00132.5p-miR	1	-	23639708	23639730	TGCATTATAACTACTTAGTTGAC
TJU_CMC.ID00133.5p-miR	1	+	24197317	24197339	TCCTCCCTCATAAGCTCTGCTTC
TJU_CMC.ID00134.3p-miR	1	-	24197315	24197334	AGAGCTTATGAGGGAGGAGA
TJU_CMC.ID00135.5p-miR	1	-	24256304	24256323	ACCCACCCCCGCGGGGACAG
TJU_CMC.ID00136.3p-miR	1	+	24514249	24514269	CCCCGGGGATCCCGGCGGATC
TJU_CMC.ID00137.5p-miR	1	+	24634635	24634655	GATCTGGGTTCAAATACCAAC
TJU_CMC.ID00138.5p-miR	1	-	24907250	24907272	GTGGGGCTAAACAGAGGAAGACT
TJU_CMC.ID00139.5p-miR	1	+	25345077	25345097	GAAGCGTGTTCTGGGGAAACA
TJU_CMC.ID00140.5p-miR	1	+	25370121	25370142	TCCCTGAGACAGATAAGGTGTC
TJU_CMC.ID00141.3p-miR	1	+	25832241	25832260	CATCACCCCAATTTGTGGTT
TJU_CMC.ID00142.3p-miR	1	-	26196320	26196341	TCCCTGGAGAAGATCAGGTGCA
TJU_CMC.ID00143.5p-miR	1	-	26473883	26473906	TTTTAAGAAAATGAAGAAAAAAAG
TJU_CMC.ID00144.3p-miR	1	-	26583970	26583989	TGGCTCAGCCTGATGAGGCC
TJU_CMC.ID00145.3p-miR	1	-	26883980	26883999	CTGACCTATGGGCACTGTCA
TJU_CMC.ID00146.5p-miR	1	-	27286414	27286433	CGGGGGACAGTGCCAGGATC
TJU_CMC.ID00147.5p-miR	1	-	27381453	27381472	TAGCAGCACAGAAATACTGT
TJU_CMC.ID00148.5p-miR	1	-	27902409	27902431	CCCCCGCCACGTGACCCCGCCCC
TJU_CMC.ID00149.3p-miR	1	+	28305172	28305193	GTTGTGCCATTAAAATAACTTG
TJU_CMC.ID00150.5p-miR	1	+	28396001	28396023	ATCTGGTAATCTGGTATGTTGAC

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TJU_CMC.ID00151.5p-miR	1	+	28891093	28891114	GTAGACCCATCAAATGTTTTCC	151
TJU_CMC.ID00152.3p-miR	1	+	28975227	28975246	CGTTGGTCCCGGCGCCCTTT	152
TJU_CMC.ID00153.3p-miR	1	-	28985948	28985969	TCGGAATAGTCTGACTCGTTGA	153
TJU_CMC.ID00154.3p-miR	1	-	29606788	29606810	CAAGCATCACAGAACAATCTCCT	154
TJU_CMC.ID00155.5p-miR	1	-	29821583	29821605	TGGAGAAACCTGATGAACGTGAC	155
TJU_CMC.ID00156.3p-miR	1	+	30041508	30041527	TCCCATCTGGGTCGCCAATA	156
TJU_CMC.ID00157.5p-miR	1	+	30218468	30218488	CGGCGGCACCTGCAATTACTA	157
TJU_CMC.ID00158.5p-miR	1	-	30351665	30351685	TCCTGTACTGAGCTGGAAGGC	158
TJU_CMC.ID00159.5p-miR	1	+	30442879	30442899	TCCCTGAGACCCCAGTCCATG	159
TJU_CMC.ID00160.3p-miR	1	+	30504255	30504274	ATTGTGAAGCAGAATTCATC	160
TJU_CMC.ID00161.5p-miR	1	+	30545287	30545308	AGCTCAGGGGAAGAGCCAAGGC	161
TJU_CMC.ID00162.5p-miR	1	+	30757152	30757172	TAGCTGGGTCTGGGCGTTTTC	162
TJU_CMC.ID00163.3p-miR	1	-	30885738	30885757	CCCTTCCCCACCTAGGCCCC	163
TJU_CMC.ID00164.5p-miR	1	+	31386862	31386881	GGAAAGCGGCTGTGCAAATG	164
TJU_CMC.ID00165.3p-miR	1	+	31540732	31540753	TGAGATGAAGCACTGCCTGGGA	165
TJU_CMC.ID00166.5p-miR	1	+	32069958	32069979	TAGCTGGCTCTCAGTCATGGTG	166
TJU_CMC.ID00167.5p-miR	1	-	32114807	32114828	TGTCCTGAACAGTTTATGGGAA	167
TJU_CMC.ID00168.5p-miR	1	+	32237639	32237662	CGGCGGCGGCGCGGGTGTGGG	168
TJU_CMC.ID00169.5p-miR	1	+	32447586	32447608	TGCTGACTTGTCGGGCCTGGGTG	169
TJU_CMC.ID00170.5p-miR	1	+	32546467	32546486	CTTATAATGAAAACCATTGC	170
TJU_CMC.ID00171.5p-miR	1	+	32801559	32801579	CCTTCGCGGGGGAAGCGCCTG	171
TJU_CMC.ID00172.5p-miR	1	+	32802846	32802867	GGAGCCCGGAGGTGCTCCGGGC	172
TJU_CMC.ID00173.5p-miR	1	+	32981920	32981941	TGCATCATTAGGTAATTTCATA	173
TJU_CMC.ID00174.5p-miR	1	+	33633907	33633928	CCCGAGTCCCTGATGACTGTGG	174
TJU_CMC.ID00175.3p-miR	1	-	33717024	33717043	CTTTCAGAGTCCTACAGGTG	175
TJU_CMC.ID00176.5p-miR	1	-	34365067	34365087	ACCCGAGACTCAGTGAGGTCA	176
TJU_CMC.ID00177.3p-miR	1	+	34469676	34469696	ACAACCTGAGTACAGCCAAAA	177
TJU_CMC.ID00178.5p-miR	1	+	34683828	34683848	AGGGACTCTGGGATTGTCCAG	178
TJU_CMC.ID00179.5p-miR	1	+	34925691	34925712	AAACCTTTATTGCTACTAGACA	179
TJU_CMC.ID00180.3p-miR	1	-	34932287	34932309	TCGTCTGTGGACTACCCTGTGAC	180
TJU_CMC.ID00181.3p-miR	1	+	35101616	35101636	GAGGTCAAAAGGGTCTGTAGA	181

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TJU_CMC.ID00182.3p-miR	1	-	35104194	35104213	GGCTGGTCTGAGCCTAGGTC	182
TJU_CMC.ID00183.5p-miR	1	+	35247487	35247506	GGGATGGGGCGCGAAGCGGG	183
TJU_CMC.ID00184.3p-miR	1	+	37061398	37061419	TGCCCCAAATGCAAATACCCCA	184
TJU_CMC.ID00185.5p-miR	1	+	37822600	37822620	TTAGGTCATGGAGGTGGTTTT	185
TJU_CMC.ID00186.5p-miR	1	+	38010183	38010202	TCCCTGGAGTTTCCTGGTTC	186
TJU_CMC.ID00187.3p-miR	1	+	38070927	38070946	TATGTGTATCTCAACCTGGA	187
TJU_CMC.ID00188.5p-miR	1	-	38070925	38070944	CAGGTTGAGATACACATAAC	188
TJU_CMC.ID00189.5p-miR	1	+	38511211	38511232	CCGGCCGCAGGGGTCATGCGCT	189
TJU_CMC.ID00190.5p-miR	1	-	38541444	38541463	CATAGTTCTGAGCTGGGGCT	190
TJU_CMC.ID00191.3p-miR	1	-	39023545	39023567	TGAAGACCCCTTTGAAGTAGTTG	191
TJU_CMC.ID00192.5p-miR	1	-	39194856	39194875	CCTATCTGAGGGGGGAAAAG	192
TJU_CMC.ID00193.5p-miR	1	+	39403186	39403207	CAAGAGTCCCTGCAGAAGCTGA	193
TJU_CMC.ID00194.5p-miR	1	-	40093258	40093277	CTGATGGCTGCTGCCGCCAC	194
TJU_CMC.ID00195.5p-miR	1	+	40100957	40100978	CACTGGTTCACTGGGGACAAAC	195
TJU_CMC.ID00196.5p-miR	1	+	40254261	40254284	CGGGCGGCGGGCGGCGGGGCGGGG	196
TJU_CMC.ID00197.3p-miR	1	-	40802928	40802949	ACAGTCACTGCTGGGCGTGGTG	197
TJU_CMC.ID00198.5p-miR	1	-	40873694	40873713	TCTGATTTCCATTACCAACT	198
TJU_CMC.ID00199.3p-miR	1	+	41087399	41087419	TCCCTGTCCAGATCACTGGCT	199
TJU_CMC.ID00200.3p-miR	1	-	41245218	41245237	ATCACATTATTGACCTTTGG	200
TJU_CMC.ID00201.5p-miR	1	+	41316509	41316528	ATCTATCCTGCTCCCTACAG	201
TJU_CMC.ID00202.5p-miR	1	+	41322675	41322694	GCTAGGATCAGACTGATCAT	202
TJU_CMC.ID00203.5p-miR	1	+	41681509	41681530	ATATACTGCCTGACAGTAGCAG	203
TJU_CMC.ID00204.5p-miR	1	+	41960757	41960776	GGAGGTTGAGGCCAGACCAC	204
TJU_CMC.ID00205.3p-miR	1	+	42025522	42025541	CGTACCGTGAGTACTTCATA	205
TJU_CMC.ID00206.3p-miR	1	-	42182811	42182832	TGGCTCAGCCTGAACTCCCACG	206
TJU_CMC.ID00207.3p-miR	1	-	42447100	42447122	AGCCTCCCCACCACTTCCTCCCT	207
TJU_CMC.ID00208.3p-miR	1	-	42641407	42641426	GGTGATGCGGAGTTAGGTCA	208
TJU_CMC.ID00209.5p-miR	1	-	43024590	43024611	TCCACTGTTAAACTGATAGGCT	209
TJU_CMC.ID00210.3p-miR	1	-	43220786	43220808	TGGATCAGTCTGATGAAGCACTT	210
TJU_CMC.ID00211.5p-miR	1	-	43399037	43399058	GTTTCAGCAATAAGGCCAGGGG	211
TJU_CMC.ID00212.5p-miR	1	+	43812186	43812209	CGCTGCCACTTCAAGTCACGAAAT	212

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TJU_CMC.ID00213.5p-miR	1	+	43969343	43969364	TGAGTCAGGCAGGGTATGGAGT	213
TJU_CMC.ID00214.3p-miR	1	-	44057886	44057906	GCTTCTGGGGAAACTTCAGGG	214
TJU_CMC.ID00215.3p-miR	1	+	44161617	44161638	TGAGATGAAGCAGTGTTGCTCT	215
TJU_CMC.ID00216.3p-miR	1	+	44280509	44280531	GCTAGTATCATCAGTGACTTGAC	216
TJU_CMC.ID00217.3p-miR	1	-	44412544	44412563	TCCCCGGCACCTCCAACTCA	217
TJU_CMC.ID00218.5p-miR	1	-	44466398	44466420	CCCTCCCTTCCCCCGCTGCCCCT	218
TJU_CMC.ID00219.3p-miR	1	+	44604584	44604603	AGCGTTGTCATATTGCCCAC	219
TJU_CMC.ID00220.3p-miR	1	+	44716267	44716289	CTTGTCAGAGCGAGGGCGAGATG	220
TJU_CMC.ID00221.3p-miR	1	+	44804557	44804578	GCATACCTGAAACAAGTCCTGC	221
TJU_CMC.ID00222.5p-miR	1	-	45187215	45187235	GCTTCTTGTAAACATTTAGGA	222
TJU_CMC.ID00223.5p-miR	1	+	45241537	45241557	GTGTATGATGACAACTCGGTA	223
TJU_CMC.ID00224.3p-miR	1	-	45349964	45349984	CCCATACTTTCACCCCTCTCT	224
TJU_CMC.ID00225.3p-miR	1	+	45816671	45816691	ATAGGCTTTTCATTCCAGTGA	225
TJU_CMC.ID00226.3p-miR	1	+	45821943	45821962	ATGTCATTTTTAAATACCCA	226
TJU_CMC.ID00227.3p-miR	1	-	46151952	46151971	ACACAGGTGGTTGGGTATAG	227
TJU_CMC.ID00228.5p-miR	1	-	46250680	46250702	GTTCACAAAGGATGAAATTAAAG	228
TJU_CMC.ID00229.3p-miR	1	+	46357687	46357709	GGCCAGTTTTCCCAGGAAGGTTT	229
TJU_CMC.ID00230.3p-miR	1	+	46646029	46646051	GGGCGTTGCCCAGGGCTGGTGTT	230
TJU_CMC.ID00231.3p-miR	1	-	46649965	46649986	TGAGGAAGTAGCCCACGTTGAC	231
TJU_CMC.ID00232.3p-miR	1	+	46669414	46669433	CTCAGAATCCCTCCCAGATC	232
TJU_CMC.ID00233.3p-miR	1	+	47693711	47693730	CCTGCTCTAGCGGTGGATTC	233
TJU_CMC.ID00234.3p-miR	1	+	47946665	47946686	ACCGAGGCCCAGCCCCCACCTGC	234
TJU_CMC.ID00235.5p-miR	1	+	48191035	48191057	CGCCCGGGGCACCCGGGAGCCCC	235
TJU_CMC.ID00236.5p-miR	1	+	48283183	48283202	AGACATGTCAGTGTAGTGAC	236
TJU_CMC.ID00237.3p-miR	1	+	48465132	48465151	TGAGAACTGAATTCCACTGG	237
TJU_CMC.ID00238.5p-miR	1	-	48785765	48785786	GCAATGGTGGTGACTGTTGTAG	238
TJU_CMC.ID00239.5p-miR	1	-	49129302	49129321	CAAACCTATTAAAAATCCTTG	239
TJU_CMC.ID00240.5p-miR	1	+	49199201	49199222	TGAGGTAGTAGATCAGGGAGGG	240
TJU_CMC.ID00241.3p-miR	1	-	49215403	49215423	GTCCAGTTTTCCCTGGCCACC	241
TJU_CMC.ID00242.3p-miR	1	-	49282902	49282924	AACTTAACAGAATACCACTATTC	242
TJU_CMC.ID00243.3p-miR	1	+	49664319	49664338	ATCTTTACAAGCTATTTTGT	243

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TJU_CMC.ID00244.3p-miR	1	+	51634930	51634951	TATACAAATTTGGGGCTCTGAC	244
TJU_CMC.ID00245.3p-miR	1	+	51750483	51750504	CATGTTACATCATTGCTACTTC	245
TJU_CMC.ID00246.5p-miR	1	+	51838431	51838452	GAGGCAGCTGGAGCTGAACACT	246
TJU_CMC.ID00247.5p-miR	1	+	51961393	51961414	TGACAGTAATAACTTATAAAGT	247
TJU_CMC.ID00248.3p-miR	1	+	52075700	52075721	TGAGTCACCACTCCCGGCCCCA	248
TJU_CMC.ID00249.5p-miR	1	-	52266325	52266346	CAGCTCATTATTGACTACTTAG	249
TJU_CMC.ID00250.3p-miR	1	+	52405270	52405291	TGAGACAGGATGTCACGCTGTC	250
TJU_CMC.ID00251.3p-miR	1	+	52456351	52456372	CTCACAGTGGCGCCTGAGGGCT	251
TJU_CMC.ID00252.5p-miR	1	+	52901015	52901037	CATTCACAGGCAGAGTACTTACA	252
TJU_CMC.ID00253.3p-miR	1	-	53016272	53016291	TGAGGTAGGAGGTTTGCCTG	253
TJU_CMC.ID00254.5p-miR	1	+	53776291	53776313	TGCTCTGAGGACGCAGGATCAGC	254
TJU_CMC.ID00255.3p-miR	1	+	54044666	54044686	ACAGCAGGCACAGAACCTACA	255
TJU_CMC.ID00256.5p-miR	1	-	54268911	54268931	CGCTCTTCTACAAAAAATACA	256
TJU_CMC.ID00257.5p-miR	1	-	54322360	54322381	TGTCAGTTTAGCATTATGGGGC	257
TJU_CMC.ID00258.5p-miR	1	-	54736448	54736467	GTCGGCTGCGAGAATGCCGT	258
TJU_CMC.ID00259.5p-miR	1	+	54747908	54747928	GCTCTTGGCAGGCCAGTGATT	259
TJU_CMC.ID00260.3p-miR	1	+	54872468	54872487	CGCCGCTCGCTCCCTCCCGC	260
TJU_CMC.ID00261.3p-miR	1	-	55023821	55023843	AGCATACCCAGCACTGGCTAACT	261
TJU_CMC.ID00262.5p-miR	1	+	55144476	55144495	GGGGCCCTACAACCCTGTGA	262
TJU_CMC.ID00263.3p-miR	1	+	55230196	55230215	CGAGCAAGCCCGCTCCTAAG	263
TJU_CMC.ID00264.3p-miR	1	-	55242866	55242888	AGCAGCAGGAGGTCCTCGAGGGA	264
TJU_CMC.ID00265.5p-miR	1	-	55460170	55460191	TGGAGAGAAAGGCAGAAAAGTT	265
TJU_CMC.ID00266.3p-miR	1	-	55530194	55530214	TCACCGAGCTTCCTGGTCTGT	266
TJU_CMC.ID00267.3p-miR	1	+	55784396	55784417	AGCCTCCCAGTCTGGCCTGAGT	267
TJU_CMC.ID00268.5p-miR	1	+	55798628	55798648	TTTCCCCATGTGAGAGTGAAC	268
TJU_CMC.ID00269.3p-miR	1	-	55908961	55908982	TTTATTCATTCACATTCCTACT	269
TJU_CMC.ID00270.3p-miR	1	+	56454358	56454379	TCTGTGAAATATTTGAAATCAG	270
TJU_CMC.ID00271.3p-miR	1	+	56633022	56633042	AAGGAGCTCACAGTCCATTGA	271
TJU_CMC.ID00272.3p-miR	1	+	56755065	56755086	TGAGGTGATCAAAGGGGAGGGTC	272
TJU_CMC.ID00273.5p-miR	1	+	57284781	57284802	GCCCTGAGCAAAGCCAGTGTGA	273
TJU_CMC.ID00274.3p-miR	1	+	57323835	57323854	CTTTTAATGTTCTTGTATGC	274

Table 1. Novel miRNA sequences

TJU_CMC.ID00275.5p-miR	1	+	57579551	57579573	AATACTCATAAATACCACTACTC	275
TJU_CMC.ID00276.5p-miR	1	-	57646792	57646813	TCTACTACATGCATAGCACCGG	276
TJU_CMC.ID00277.3p-miR	1	-	57866577	57866598	GTCTGCAAAGCAAGACGATGTG	277
TJU_CMC.ID00278.5p-miR	1	+	58066753	58066773	CCGATATTATAAGATAAAAAA	278
TJU_CMC.ID00279.5p-miR	1	+	58746078	58746097	GGTTCAGCCACCCGAGACCT	279
TJU_CMC.ID00280.3p-miR	1	+	58847052	58847071	TCAGCTTTTACTCTATTATG	280
TJU_CMC.ID00281.5p-miR	1	+	59230403	59230422	TGGTGATGTAGCAATAGGTT	281
TJU_CMC.ID00282.5p-miR	1	-	59348368	59348389	TCCAGTGGACCAGCTGAACACT	282
TJU_CMC.ID00283.3p-miR	1	-	59936262	59936283	TGAGGTAGTATTGGTGTGAATG	283
TJU_CMC.ID00284.5p-miR	1	+	60065797	60065818	CACCCTTGTAATAATCCAAGCA	284
TJU_CMC.ID00285.3p-miR	1	-	60164012	60164032	GGCATGGTTCTGACTAGCTGG	285
TJU_CMC.ID00286.3p-miR	1	+	60448908	60448929	TGGCAGCCATGCAATTAGTATA	286
TJU_CMC.ID00287.5p-miR	1	+	61203551	61203572	AATGCTATTGAAGTCATATTGG	287
TJU_CMC.ID00288.3p-miR	1	-	61372195	61372217	AGCTCTGAACATTTTATGAAACC	288
TJU_CMC.ID00289.5p-miR	1	-	61784671	61784691	AATGATGCCATATGATTACTG	289
TJU_CMC.ID00290.3p-miR	1	-	61815955	61815976	CAGATTCCCAAGTTTATAAGCT	290
TJU_CMC.ID00291.5p-miR	1	-	62266490	62266510	ACACCAAACACCACCATGTTC	291
TJU_CMC.ID00292.3p-miR	1	-	62490967	62490986	TTTGGCAATGGTAATGAGTG	292
TJU_CMC.ID00293.3p-miR	1	+	62797587	62797607	AGCGCACTGTGGCTTCAAACT	293
TJU_CMC.ID00294.5p-miR	1	-	63349531	63349550	TACAGCAGGCAACTCACTTC	294
TJU_CMC.ID00295.5p-miR	1	-	63478576	63478597	GCGGACTCTGGAGCCAGGTGAC	295
TJU_CMC.ID00296.3p-miR	1	-	63752058	63752079	ACTGGGTCTGCAAATACCAACC	296
TJU_CMC.ID00297.3p-miR	1	+	64193433	64193454	AACAAGGATGGTGGCAGGAGTT	297
TJU_CMC.ID00298.5p-miR	1	-	64273175	64273196	TGGCTCATGTCAGCAGGACACA	298
TJU_CMC.ID00299.5p-miR	1	-	64287639	64287660	TATGGCTTTTCATGAAGCTGTC	299
TJU_CMC.ID00300.3p-miR	1	+	64339650	64339670	GTATGTTGCTCAGGGCTAACC	300
TJU_CMC.ID00301.5p-miR	1	-	64736203	64736224	ATCATCTTATTAGTAGCCCTCA	301
TJU_CMC.ID00302.3p-miR	1	-	64802861	64802883	TACTGATGGTGAGGGCACCAACC	302
TJU_CMC.ID00303.5p-miR	1	+	64902846	64902869	GGGCAGGCGGGGGGCATGGGGGGA	303
TJU_CMC.ID00304.5p-miR	1	-	64970506	64970527	TAGGCATAGATAGCACTACACT	304
TJU_CMC.ID00305.5p-miR	1	+	64984434	64984454	TGGTGAAGTTATTGCTTGAGA	305

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TJU_CMC.ID00306.5p-miR	1	+	65319065	65319085	ACTGGACTTGGAGTCAGACAA	306
TJU_CMC.ID00307.3p-miR	1	+	65343367	65343388	CTAGACTCTGAGCTGAGTACAG	307
TJU_CMC.ID00308.5p-miR	1	+	65712401	65712420	TTAATCTTGTAAGCTTTAGA	308
TJU_CMC.ID00309.5p-miR	1	-	66627722	66627742	TAGCACCATTCAGTGAGCACC	309
TJU_CMC.ID00310.5p-miR	1	+	67231599	67231618	CATGCAGCTACTTCTGTATG	310
TJU_CMC.ID00311.5p-miR	1	-	68661689	68661709	CTGACCCGTGAATTGACAGTT	311
TJU_CMC.ID00312.5p-miR	1	+	68944859	68944881	CCACTGCAGTCTGTAAGTAAGAG	312
TJU_CMC.ID00313.5p-miR	1	-	69013215	69013236	AGTCCCTTTGTCAAATACCCCA	313
TJU_CMC.ID00314.3p-miR	1	+	69524427	69524446	ATCCAATAGTCTGACCCACT	314
TJU_CMC.ID00315.5p-miR	1	-	69648938	69648959	GTTAAATGATCCTTAAAGGCAG	315
TJU_CMC.ID00316.5p-miR	1	-	69732050	69732072	TCTAGTATGTGCTGTGCACCAGT	316
TJU_CMC.ID00317.3p-miR	1	+	70204891	70204912	TAGAAAATGAGAGATAGAGGGG	317
TJU_CMC.ID00318.5p-miR	1	-	70226857	70226879	CATGCTAACTACTTAATCTGGGT	318
TJU_CMC.ID00319.5p-miR	1	-	70232715	70232737	GAGAAACAGGGAACATGGAGTGA	319
TJU_CMC.ID00320.3p-miR	1	-	70887044	70887065	GTTCTCTAAAGGCTCAAGAGTC	320
TJU_CMC.ID00321.5p-miR	1	+	70945048	70945068	GCTACATGCTCTCCTAGCCAG	321
TJU_CMC.ID00322.5p-miR	1	+	71621298	71621319	AGCTACATTGTCTGGAGTTGGG	322
TJU_CMC.ID00323.3p-miR	1	-	71827235	71827256	TTAGTTGTTATATTGCTGCGTT	323
TJU_CMC.ID00324.5p-miR	1	+	72352947	72352966	CTTGCTGTCTTAGCGGTGGC	324
TJU_CMC.ID00325.3p-miR	1	+	74067716	74067735	GATTGGGGGGGGCTCACAAT	325
TJU_CMC.ID00326.5p-miR	1	-	74111567	74111588	TAGCTAAAGTCTGACTATGCTG	326
TJU_CMC.ID00327.5p-miR	1	-	74897775	74897794	ACATAAGCTGTGCATATGCA	327
TJU_CMC.ID00328.5p-miR	1	+	75036854	75036874	CCATATGCTGTTGCTTCTCTC	328
TJU_CMC.ID00329.5p-miR	1	-	75205670	75205689	TAAAGGCGACTACCATACAG	329
TJU_CMC.ID00330.3p-miR	1	-	75555993	75556015	GGCTGACTTGTCAAATATTTTAT	330
TJU_CMC.ID00331.3p-miR	1	+	75755044	75755066	TTTTCAGAAAATAACTATTCTTC	331
TJU_CMC.ID00332.3p-miR	1	-	76945668	76945689	TATAGATAACTTGACTACTTTC	332
TJU_CMC.ID00333.3p-miR	1	-	77561244	77561263	CCTTTTGTCATATTGCTTGC	333
TJU_CMC.ID00334.5p-miR	1	-	78132926	78132947	TGTCAGTTTGAGTTTATTGATG	334
TJU_CMC.ID00335.3p-miR	1	-	79765590	79765612	TAAGGGAACCCTTGTACACTGTC	335
TJU_CMC.ID00336.5p-miR	1	+	80472675	80472696	TACATGAGAGCCTAGTCCACAG	336

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TJU_CMC.ID00337.3p-miR	1	+	80695687	80695706	ATGTTCATTGTGTCTTAAAG	337
TJU_CMC.ID00338.5p-miR	1	+	81845321	81845340	TCCTCCCGGGCGATGGCCTG	338
TJU_CMC.ID00339.3p-miR	1	-	82807059	82807079	TAGCTTATCTCTGGCCATTCA	339
TJU_CMC.ID00340.3p-miR	1	+	83028241	83028262	TGAAAGTAATCCAAATATTTTG	340
TJU_CMC.ID00341.3p-miR	1	+	83108646	83108665	GCAGTGCACTACAGAATTGG	341
TJU_CMC.ID00342.5p-miR	1	-	83339902	83339923	GAAAGTCACAAAGCCAGGTTGA	342
TJU_CMC.ID00343.5p-miR	1	+	83413119	83413140	TTTCAGTAATCTGGGATGTTTG	343
TJU_CMC.ID00344.3p-miR	1	+	84160481	84160500	GTCTCTGGGGAAACTTCTCC	344
TJU_CMC.ID00345.5p-miR	1	+	84187515	84187535	CAGCCAGCAGGCTGGACTTGC	345
TJU_CMC.ID00346.5p-miR	1	-	84705556	84705579	GTGGTTTGAGTTACTCATGCCTTC	346
TJU_CMC.ID00347.3p-miR	1	+	84763710	84763732	TAAGGTGCAACTAACTACTCACC	347
TJU_CMC.ID00348.3p-miR	1	-	85061459	85061481	CACTGACCTGCTGCCGCTTTTGC	348
TJU_CMC.ID00349.5p-miR	1	+	85066276	85066298	ACTGGAACCCTTCATATGGGGTT	349
TJU_CMC.ID00350.3p-miR	1	+	85321465	85321486	GTCTGAAACAGTGGCGTGGGGG	350
TJU_CMC.ID00351.3p-miR	1	+	85483450	85483470	CCACGCCCGGTTAGTTTTTTC	351
TJU_CMC.ID00352.3p-miR	1	-	85486799	85486822	CAGCCTCTTTATATATATGATTTT	352
TJU_CMC.ID00353.3p-miR	1	-	85755822	85755843	CAGCAGTGTACAGGCATTGCGC	353
TJU_CMC.ID00354.5p-miR	1	-	85858177	85858196	CCACGGGTTCATTTTCTAAC	354
TJU_CMC.ID00355.3p-miR	1	-	86962702	86962723	AAGCAGTGGCATGGGCTGGGCA	355
TJU_CMC.ID00356.5p-miR	1	+	87170947	87170966	ACGACGTCAGTGCTCCTGTG	356
TJU_CMC.ID00357.3p-miR	1	-	87748452	87748473	ATGGAGATCATCTAGTCCACAG	357
TJU_CMC.ID00358.3p-miR	1	+	88285258	88285279	AGACTGGGTAGTTTATAAAGGT	358
TJU_CMC.ID00359.5p-miR	1	+	88414869	88414891	TCCTGAGGGCCACAGGGAACCAT	359
TJU_CMC.ID00360.3p-miR	1	+	89030663	89030683	CAGCAGCATAAGTCAGAAACT	360
TJU_CMC.ID00361.5p-miR	1	-	89034457	89034478	GGCTACTATGGGATACTTGTGT	361
TJU_CMC.ID00362.3p-miR	1	+	89365723	89365745	TAAGAATAGTCTGACTCATGAAG	362
TJU_CMC.ID00363.5p-miR	1	-	89668946	89668966	CATAGTGAGTCTGGTCTTGAG	363
TJU_CMC.ID00364.3p-miR	1	+	89763383	89763404	CCAAATCTGCCAGCACTCTGTC	364
TJU_CMC.ID00365.5p-miR	1	-	90156011	90156030	CCATGGCACAGTAATAAAGA	365
TJU_CMC.ID00366.5p-miR	1	+	90172165	90172186	TATGCAATAGAGCATGCACATA	366
TJU_CMC.ID00367.5p-miR	1	+	90621673	90621694	TGAGTCAGGTGACCCATCCCCA	367

Table 1. Novel miRNA sequences

TJU_CMC.ID00368.5p-miR	1	-	90668360	90668379	TCAGGATGATAAGATAATGT	368
TJU_CMC.ID00369.5p-miR	1	-	90873279	90873299	GCTACAACTCTGAAATCAGAA	369
TJU_CMC.ID00370.5p-miR	1	-	91086632	91086654	ATAGCATAGACCAGCAGTGGTCA	370
TJU_CMC.ID00371.3p-miR	1	-	91561270	91561289	CTTCGTGATCTTCGTGATCT	371
TJU_CMC.ID00372.3p-miR	1	+	91980389	91980411	CAAAGACTGTGGATGTACTGTCT	372
TJU_CMC.ID00373.5p-miR	1	-	92212790	92212811	CTGACCTGTGAGCCAGTCAGTT	373
TJU_CMC.ID00374.5p-miR	1	+	92218203	92218224	CTGCTTGTCCTAGGGCTCCAAG	374
TJU_CMC.ID00375.3p-miR	1	-	92431342	92431363	GGTGGCATCTAGGCTCACTGCA	375
TJU_CMC.ID00376.3p-miR	1	-	92935321	92935344	CCCTTATTCCAGGGAAATATTTTT	376
TJU_CMC.ID00377.3p-miR	1	+	93862111	93862130	CAGCCTATCCCCCATAGGAG	377
TJU_CMC.ID00378.5p-miR	1	-	94061750	94061771	AGCGAATACAGTACTAATCTCT	378
TJU_CMC.ID00379.5p-miR	1	+	94223351	94223371	AGCCTCTTGCCCATTATTTCT	379
TJU_CMC.ID00380.3p-miR	1	-	94361214	94361235	CTTTCAGAGTTTCTTATGGACA	380
TJU_CMC.ID00381.3p-miR	1	-	94429811	94429831	GCATGGCACCTGCATAGTGCA	381
TJU_CMC.ID00382.5p-miR	1	-	94492150	94492173	CAGCAATTTTTCCAACCTGGATTC	382
TJU_CMC.ID00383.3p-miR	1	+	94561823	94561842	TTTGTAGGACACATTGAATC	383
TJU_CMC.ID00384.3p-miR	1	-	94728845	94728865	CCCAGGTATTACGTCTACTAC	384
TJU_CMC.ID00385.5p-miR	1	-	95399658	95399677	CTGTAAGGCTTTGGAGATGA	385
TJU_CMC.ID00386.5p-miR	1	+	95656902	95656923	TGACTTGATTACTGTCGCTTTA	386
TJU_CMC.ID00387.5p-miR	1	-	95833524	95833544	GAGAATCCACTCCATACCCCA	387
TJU_CMC.ID00388.5p-miR	1	+	95947816	95947835	GTCTAGTTTTCCAGGGAATCC	388
TJU_CMC.ID00389.5p-miR	1	-	96719742	96719763	TCCCTGAGACCCTGACTTGGTT	389
TJU_CMC.ID00390.3p-miR	1	-	97291061	97291082	AATGCATACAGAGTTCGGCATA	390
TJU_CMC.ID00391.5p-miR	1	-	97339282	97339303	TGCTGCATCACCAAATACCCCA	391
TJU_CMC.ID00392.5p-miR	1	+	97577817	97577838	AGGGAAGTCAATGGATTAAGCA	392
TJU_CMC.ID00393.5p-miR	1	-	97817683	97817706	CTTCTTTTTATTTAGAGTTATTTG	393
TJU_CMC.ID00394.3p-miR	1	+	98085660	98085679	TTGGCTGCAATCACTATTCC	394
TJU_CMC.ID00395.3p-miR	1	-	98273741	98273762	TTCTTTCCAAATTGTTCCACAG	395
TJU_CMC.ID00396.5p-miR	1	+	98925559	98925579	TAGCAAATGGGTTAGAACAAC	396
TJU_CMC.ID00397.3p-miR	1	+	99102867	99102888	AAACCTCACCATGATGAGCTAT	397
TJU_CMC.ID00398.3p-miR	1	-	99429211	99429231	CTGACCTATCTTAACTTGGAA	398

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TJU_CMC.ID00399.3p-miR	1	+	99689528	99689549	CAAAGTGCTTACTCACGTAGCA	399
TJU_CMC.ID00400.3p-miR	1	+	99739006	99739025	AATTTAATGCTCTTACCAAA	400
TJU_CMC.ID00401.5p-miR	1	-	99770681	99770700	CAGCATTGTACAGGGTGTTC	401
TJU_CMC.ID00402.3p-miR	1	+	99890536	99890557	GCTGTGCCATTGATAGCTGGTT	402
TJU_CMC.ID00403.3p-miR	1	+	100195124	100195145	TAGCAGCACAGCCACGCCAGTG	403
TJU_CMC.ID00404.5p-miR	1	+	101522475	101522496	GTGGGTCTTGATTTAGTTTTAT	404
TJU_CMC.ID00405.5p-miR	1	+	101641185	101641207	TAGCTTATGTTCACAGTACTGTC	405
TJU_CMC.ID00406.5p-miR	1	-	101849882	101849901	AGAGGAATTTCCCAACCCTG	406
TJU_CMC.ID00407.5p-miR	1	+	102262576	102262596	GCTAAGGAAGGAGGGGGTAAC	407
TJU_CMC.ID00408.5p-miR	1	+	102352676	102352699	TAGATACAGGTGAAATATTTGTAT	408
TJU_CMC.ID00409.5p-miR	1	-	102660524	102660543	TAGCACCATTTGATTATCTC	409
TJU_CMC.ID00410.3p-miR	1	+	102736531	102736552	TAGCAGGTTTTGAAATCAGTAA	410
TJU_CMC.ID00411.5p-miR	1	-	103306558	103306580	AGTGCGGGCTTGCATGGCTGCAT	411
TJU_CMC.ID00412.3p-miR	1	-	103563153	103563175	CTCGTAGTGATTATGGTCTACTT	412
TJU_CMC.ID00413.3p-miR	1	+	104492412	104492432	TAGCAGGTAGAGAAGCTACAT	413
TJU_CMC.ID00414.3p-miR	1	+	104600634	104600655	GCATGTCCACTCAAATACCCCA	414
TJU_CMC.ID00415.3p-miR	1	-	104887122	104887141	AAATATTCTGCTCCCTACAC	415
TJU_CMC.ID00416.3p-miR	1	+	105098338	105098357	ACCTACCCTTAATCTAGGAA	416
TJU_CMC.ID00417.3p-miR	1	-	105375134	105375156	TAGCACCATCCTCCTAGTCTGTG	417
TJU_CMC.ID00418.3p-miR	1	-	105500201	105500220	CAATGGCACGATAACGGCTC	418
TJU_CMC.ID00419.3p-miR	1	-	106103346	106103368	AAAAACTCATATTTAAACTGAGG	419
TJU_CMC.ID00420.3p-miR	1	-	106747468	106747490	CACTGACAGTGACCAGCAAAAAC	420
TJU_CMC.ID00421.5p-miR	1	-	106764243	106764265	TTAGTGGAACTACCATACAAACT	421
TJU_CMC.ID00422.5p-miR	1	-	107348272	107348294	ATCAGCTAAACAGTTTATCCCCC	422
TJU_CMC.ID00423.5p-miR	1	+	107477380	107477399	TCCCTGAGACAAGCCATGGA	423
TJU_CMC.ID00424.5p-miR	1	-	107678064	107678085	ATCATGCCATTGACCCAAGGA	424
TJU_CMC.ID00425.3p-miR	1	-	107689362	107689385	TAATAATTGCTTTATGGATGCAAG	425
TJU_CMC.ID00426.5p-miR	1	+	108317886	108317907	TAAGTCACCACTGGTATGGGTT	426
TJU_CMC.ID00427.3p-miR	1	-	108580885	108580905	CATTTTGATTAGCAGATGAAA	427
TJU_CMC.ID00428.5p-miR	1	-	109155503	109155522	ATCATGGGGTAACCTAACTG	428
TJU_CMC.ID00429.5p-miR	1	+	109205448	109205471	TATGCTGAGTGATATATAATCAGT	429

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TJU_CMC.ID00430.3p-miR	1	+	109512389	109512408	TGATTACCTAATTCGACATA	430
TJU_CMC.ID00431.5p-miR	1	+	109806299	109806319	TCTCCCAACCCTGGTACCTCA	431
TJU_CMC.ID00432.3p-miR	1	-	109826169	109826189	CATATTGAGTGCGCCCAAGAA	432
TJU_CMC.ID00433.5p-miR	1	+	110027541	110027562	TATCCATCATTCCCCGCACTTG	433
TJU_CMC.ID00434.3p-miR	1	-	110328526	110328547	GCCCACAGGCTAAAATCCAAAC	434
TJU_CMC.ID00435.5p-miR	1	+	110495687	110495708	TTCATCATTCTTGACTTTCTTG	435
TJU_CMC.ID00436.5p-miR	1	-	110519363	110519382	TGGCTCAGTTCAGGTCCCTT	436
TJU_CMC.ID00437.3p-miR	1	+	110570170	110570189	GTAGTTCACAAGCTAAGAAT	437
TJU_CMC.ID00438.5p-miR	1	+	110634505	110634525	TGATGTTGCCCAGAATATTCC	438
TJU_CMC.ID00439.3p-miR	1	-	110667104	110667125	TAGCACCATATGATTAGCTACT	439
TJU_CMC.ID00440.5p-miR	1	+	110840365	110840386	TGGACTGGGAGCAAAGCAAAAC	440
TJU_CMC.ID00441.3p-miR	1	+	111052878	111052898	CAAGCTGAGGACAGTGGAGAG	441
TJU_CMC.ID00442.3p-miR	1	+	111180496	111180515	TGAGCACAGCAGTACATGCC	442
TJU_CMC.ID00443.5p-miR	1	-	111330496	111330515	GGCTATTCTGCTAAAGCACT	443
TJU_CMC.ID00444.5p-miR	1	+	112210504	112210524	ATGGCACCTACTGAACCAGCT	444
TJU_CMC.ID00445.3p-miR	1	+	112776588	112776609	TAGGTGGAGATAGGTGATGTGA	445
TJU_CMC.ID00446.3p-miR	1	-	112871743	112871764	TGGGAGCTGGACTGTCCTCACT	446
TJU_CMC.ID00447.5p-miR	1	-	112882893	112882914	GTGACTGAATGACCTTACCCCA	447
TJU_CMC.ID00448.5p-miR	1	-	113125613	113125634	GCTAGTTACAGAAATATTTGTT	448
TJU_CMC.ID00449.5p-miR	1	-	113344725	113344744	GGGACAGTAAGGAAATGTTG	449
TJU_CMC.ID00450.3p-miR	1	+	113777055	113777074	CTACCAGGTTGATCCTGATC	450
TJU_CMC.ID00451.3p-miR	1	+	113927790	113927809	TTTTTAATGTTCCTGTTGTT	451
TJU_CMC.ID00452.3p-miR	1	-	114612505	114612527	TTAGAATAGTCTGACTCATGCAG	452
TJU_CMC.ID00453.3p-miR	1	-	114638039	114638062	GGCTACAGCTGGGGGTGGGGTGTT	453
TJU_CMC.ID00454.3p-miR	1	-	115136934	115136955	TTGCTTATCCTCAGTATGCCAG	454
TJU_CMC.ID00455.3p-miR	1	+	115165265	115165287	TCTAGGCGTCTCACATACTTTCA	455
TJU_CMC.ID00456.3p-miR	1	-	115254816	115254837	ATCTGTATGCTGAAAGCCGTTA	456
TJU_CMC.ID00457.5p-miR	1	-	115397871	115397891	CAACGGAATAAACCCTCGTTT	457
TJU_CMC.ID00458.3p-miR	1	-	115662518	115662539	GAGACCACCCCTTGTACCAGTG	458
TJU_CMC.ID00459.5p-miR	1	+	115896564	115896583	GGAGGCCCGGGGAGAGTATC	459
TJU_CMC.ID00460.3p-miR	1	-	116036677	116036696	ACTGTTGCCTCTCCAGCAAC	460

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TJU_CMC.ID00461.3p-miR	1	+	116058157	116058176	CTGCTAGACCCAGCCCAAAT	461
TJU_CMC.ID00462.3p-miR	1	+	116245850	116245869	GAAAATTATAGAGGTGGTCT	462
TJU_CMC.ID00463.3p-miR	1	-	116519178	116519199	GCCCTCCCGCCCAGCGCGGCAA	463
TJU_CMC.ID00464.3p-miR	1	-	116519479	116519498	CCGCGCGGCGCCTCGCCCCT	464
TJU_CMC.ID00465.3p-miR	1	-	116572813	116572834	CAGGAGTTTTCCCAGGAGCTTT	465
TJU_CMC.ID00466.3p-miR	1	+	116658902	116658921	ATAGCACGGTGATGCTGTGT	466
TJU_CMC.ID00467.3p-miR	1	+	116885827	116885847	CGATTTTGCTCAGGTAGCTGC	467
TJU_CMC.ID00468.5p-miR	1	+	116947905	116947925	CAGAAATCTATCCCACACAGT	468
TJU_CMC.ID00469.5p-miR	1	-	117260051	117260070	CCCATAACTGGCTTTTACAG	469
TJU_CMC.ID00470.5p-miR	1	-	117452764	117452786	CCCCGCCGCCTCTCCTCCTCCTC	470
TJU_CMC.ID00471.3p-miR	1	+	118127749	118127768	TAGAGCCAGGACTCGAGCAG	471
TJU_CMC.ID00472.5p-miR	1	+	118421749	118421770	TTCAAGTAAAAGCTGATAGTGG	472
TJU_CMC.ID00473.3p-miR	1	-	118663724	118663744	TGTAACAGCAACTCCAGGCAG	473
TJU_CMC.ID00474.5p-miR	1	-	119299320	119299339	CCCCTATAGTCTTTTTCAAC	474
TJU_CMC.ID00475.3p-miR	1	-	119538666	119538688	GACATAAATCCATGCAAAGCACT	475
TJU_CMC.ID00476.5p-miR	1	-	119876141	119876162	AAACTACTTGGTAGCAGTCTGG	476
TJU_CMC.ID00477.3p-miR	1	+	120220334	120220355	ATCACATTGCCAGTTGGGCTTT	477
TJU_CMC.ID00478.3p-miR	1	+	120254271	120254292	TTTTCTCTCAGGATGAGGTGTA	478
TJU_CMC.ID00479.5p-miR	1	+	120652028	120652049	TGAGGTAGGCTGGGTGCCCTGG	479
TJU_CMC.ID00480.3p-miR	1	+	144551382	144551401	CTCCAGTTTTCCCAGGACAT	480
TJU_CMC.ID00481.5p-miR	1	+	146602844	146602865	TGCAAGATGCTTGAGATAGGCT	481
TJU_CMC.ID00482.5p-miR	1	-	147028789	147028809	AGATTGCTGCTTGGTACCCTG	482
TJU_CMC.ID00483.3p-miR	1	+	147217399	147217420	TTTTCAGAGTTTATTGAACACT	483
TJU_CMC.ID00484.3p-miR	1	+	147783162	147783182	ACCTCAGAAGGTCTCACTTTC	484
TJU_CMC.ID00485.5p-miR	1	+	148252934	148252953	CCCAGCATAAGAATAGGACA	485
TJU_CMC.ID00486.5p-miR	1	-	149821812	149821833	TGTCAGTCCCAGTTGATGTTTT	486
TJU_CMC.ID00487.5p-miR	1	+	149931524	149931544	AGCTCTCTAGACACTGGGCTG	487
TJU_CMC.ID00488.3p-miR	1	+	150207116	150207138	TGAGGCCGAGAAGGCAACCGCGA	488
TJU_CMC.ID00489.5p-miR	1	+	150552190	150552211	GGCGGCAGCTTCCGGAGGGTTG	489
TJU_CMC.ID00490.3p-miR	1	+	150879010	150879030	ACCTGCCAAACCACTCTGGTC	490
TJU_CMC.ID00491.3p-miR	1	-	151156459	151156479	GGGTATATACCTAATGACTCA	491

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TJU_CMC.ID00492.5p-miR	1	-	151284112	151284133	GAGCGTTGCTCAGGGAGCCAAT	492
TJU_CMC.ID00493.5p-miR	1	-	151584427	151584446	GGGGGCGGGGAGCGGTCTGG	493
TJU_CMC.ID00494.5p-miR	1	-	151707889	151707910	CAGCACTGCCCAGGGCTAAGGC	494
TJU_CMC.ID00495.3p-miR	1	+	152136217	152136236	TATAGGCCATTTCGCTTTTA	495
TJU_CMC.ID00496.5p-miR	1	+	152250198	152250219	GAATTGAAGCCCTATTCTCTTG	496
TJU_CMC.ID00497.3p-miR	1	+	152598526	152598548	GAGCTGGTCAAAGGTAGTCACTT	497
TJU_CMC.ID00498.5p-miR	1	-	153085572	153085594	TGTCAACCCACTGGGATTTTACA	498
TJU_CMC.ID00499.3p-miR	1	-	153478054	153478074	AGATGGAGCATCAATGGCATC	499
TJU_CMC.ID00500.5p-miR	1	+	153732384	153732405	TCCCTTCTCAAAGCTGAATGCT	500
TJU_CMC.ID00501.3p-miR	1	-	154113558	154113577	ATTTTGTCTTCAGTACCAAG	501
TJU_CMC.ID00502.3p-miR	1	-	154134322	154134341	AGGAAACTCTGTGTTCTGTG	502
TJU_CMC.ID00503.3p-miR	1	-	154523250	154523269	GGACTGGCGGTGGCTAACAT	503
TJU_CMC.ID00504.5p-miR	1	-	154955645	154955668	TATAGGCGACAACCACGTGGTCAC	504
TJU_CMC.ID00505.5p-miR	1	-	154970490	154970510	CGGGTGCATGGAGGTGGTACC	505
TJU_CMC.ID00506.3p-miR	1	+	155042294	155042315	TAGCACCAACCAGGGCGCCCAG	506
TJU_CMC.ID00507.3p-miR	1	-	155267485	155267506	TTAGAATTTGAGTTGCGTTTTTC	507
TJU_CMC.ID00508.3p-miR	1	+	155279385	155279406	TCAGTCACCCAGCCATACTTTT	508
TJU_CMC.ID00509.3p-miR	1	+	155288426	155288447	TGGCTCATGGACCGTCTTTGTC	509
TJU_CMC.ID00510.3p-miR	1	+	155448362	155448382	AAGTAAATGACCAGCATGCAT	510
TJU_CMC.ID00511.5p-miR	1	+	155614836	155614858	GCTGATGCCCTGACAGGCTGTCA	511
TJU_CMC.ID00512.3p-miR	1	-	155723712	155723734	GAGCCATGATGATACCACTGAGC	512
TJU_CMC.ID00513.3p-miR	1	-	156243854	156243875	TGACCTGGGTCTACTATCCTTG	513
TJU_CMC.ID00514.3p-miR	1	+	156433426	156433446	TGAGATGAAGCACTGCCTCTC	514
TJU_CMC.ID00515.3p-miR	1	+	156707908	156707929	TGCCAATGTAGCGGTAATGCTG	515
TJU_CMC.ID00516.3p-miR	1	-	156852177	156852199	AATAGCCTCTTTACACAGTACCT	516
TJU_CMC.ID00517.3p-miR	1	+	156858869	156858888	TCTTCAATGTCTGCCACCAT	517
TJU_CMC.ID00518.3p-miR	1	-	157052417	157052437	GTCATGGGTCCAAATGCCCAC	518
TJU_CMC.ID00519.5p-miR	1	-	157155835	157155856	GACTGGATACATAACTGAAAAG	519
TJU_CMC.ID00520.5p-miR	1	+	157249510	157249532	TTTGCTGGCTTCACCGCAAAGTT	520
TJU_CMC.ID00521.5p-miR	1	+	157296724	157296746	TATAGCTGGAATATGGTGATGAG	521
TJU_CMC.ID00522.5p-miR	1	+	157402450	157402473	CACTGGGCTTATGTTTTTATTGGA	522

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TJU_CMC.ID00523.5p-miR	1	+	157455882	157455905	CTAAGGTGCCGGCAGATTGGGTGT	523
TJU_CMC.ID00524.3p-miR	1	+	157485135	157485154	ACCCCCTCTGTGGGGGTGTG	524
TJU_CMC.ID00525.3p-miR	1	-	157556537	157556557	TGATGGCTGCTATTGCTATTA	525
TJU_CMC.ID00526.5p-miR	1	-	157780999	157781021	CTTTTTTTAGGCGGGGGAGGAGGA	526
TJU_CMC.ID00527.3p-miR	1	+	157801612	157801631	CCCAGTGTTCAGACTCCTGA	527
TJU_CMC.ID00528.5p-miR	1	-	158041378	158041399	TCCTGACCACAGACATACAGTG	528
TJU_CMC.ID00529.5p-miR	1	+	158130437	158130456	TGAGACAGGATGTCAAGATG	529
TJU_CMC.ID00530.3p-miR	1	-	158150042	158150062	TAAACAGTAAGTGTAAGATGA	530
TJU_CMC.ID00531.3p-miR	1	-	158771067	158771086	ACCCCGGCATTTAACAATTT	531
TJU_CMC.ID00532.5p-miR	1	-	158933121	158933142	CAGTGCAATTGGCCAAAGATGG	532
TJU_CMC.ID00533.3p-miR	1	-	159135312	159135333	AGGCAGTTACCAAATAGGAGTT	533
TJU_CMC.ID00534.3p-miR	1	+	159284316	159284335	ATCACATTGCCAGAGAGAGT	534
TJU_CMC.ID00535.5p-miR	1	-	159388222	159388242	TTGCACCATCTGAAGCTATGA	535
TJU_CMC.ID00536.3p-miR	1	-	160098697	160098718	TCTCAACCACTCACCCCACCAC	536
TJU_CMC.ID00538.3p-miR	1	-	160550154	160550173	GTGATATAGGGAAAAGTCAC	537
TJU_CMC.ID00539.5p-miR	1	+	160620526	160620547	AAATGATGTGAGAATATTGGCA	538
TJU_CMC.ID00540.5p-miR	1	-	160771732	160771751	TGGGGATGGCGGAGCGGTCT	539
TJU_CMC.ID00541.5p-miR	1	+	160904105	160904124	GCCTTGCTGCTGGGTGCTGG	540
TJU_CMC.ID00542.5p-miR	1	-	161022153	161022175	TACACACATCCCTGTCTCTTACAGA	541
TJU_CMC.ID00543.3p-miR	1	+	161848903	161848922	AGGCAAGATGAGTTCATAGA	542
TJU_CMC.ID00544.5p-miR	1	-	161876498	161876517	AACTATTAGTGTACAACAGA	543
TJU_CMC.ID00545.5p-miR	1	+	161893820	161893839	AATGGATTTATCTTTGTACG	544
TJU_CMC.ID00546.5p-miR	1	+	161982742	161982763	TATGTGCTGCTAGGGGTTGAAC	545
TJU_CMC.ID00547.3p-miR	1	-	162039412	162039431	CCGCCGGGTCCGCCCCCGCG	546
TJU_CMC.ID00548.5p-miR	1	-	162434698	162434719	TTCCAGTAATCCAGATATCGGA	547
TJU_CMC.ID00549.5p-miR	1	-	162725503	162725522	GATAAATGATGGAACCTCCA	548
TJU_CMC.ID00550.3p-miR	1	+	162728428	162728448	CTGTGGATAAGGCCAGTCAAA	549
TJU_CMC.ID00551.5p-miR	1	+	162863198	162863220	CTTAATTGTAAATACCTGATGCT	550
TJU_CMC.ID00552.3p-miR	1	+	163478969	163478988	GGCTAGTAATCCAGCTCCAT	551
TJU_CMC.ID00553.3p-miR	1	-	163586533	163586554	TATATATGTCTTATAATGATGA	552
TJU_CMC.ID00554.3p-miR	1	+	163625556	163625577	GTCCAGTTTTCTTGAAGCCAAA	553

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TJU_CMC.ID00555.3p-miR	1	+	163647103	163647125	CCAGCTGAACTCAAATACAAACC	554
TJU_CMC.ID00556.5p-miR	1	-	164050347	164050368	TAGCTCGCTGAACACCCTAGGA	555
TJU_CMC.ID00557.5p-miR	1	-	164196312	164196333	GAGGAGAGAAGGATCAGGTCAG	556
TJU_CMC.ID00558.5p-miR	1	-	164583633	164583652	TGGGCTGACCTGATGGAGTG	557
TJU_CMC.ID00559.3p-miR	1	-	165201873	165201894	TGAAGCAGGCAGTTTATATCCA	558
TJU_CMC.ID00560.3p-miR	1	-	165226524	165226545	TCCTATGAAGACAGTGCTAGAG	559
TJU_CMC.ID00561.5p-miR	1	-	165258284	165258305	GTCTCTGGTGTGGGTGTTTTGT	560
TJU_CMC.ID00562.3p-miR	1	+	165335090	165335111	AAGTCTGCCTCCAGTCCCTGCT	561
TJU_CMC.ID00563.5p-miR	1	+	165742318	165742339	GTGATCTTTGTCAAATACAAAG	562
TJU_CMC.ID00564.5p-miR	1	-	166011046	166011067	TGTCCAGGGACTGTATACCCTG	563
TJU_CMC.ID00565.3p-miR	1	+	166317652	166317673	CTGGACTTGGAGTCAGAAGTCC	564
TJU_CMC.ID00566.3p-miR	1	-	167009431	167009450	CTGACAGCAAGGCACCACTA	565
TJU_CMC.ID00567.5p-miR	1	-	167024851	167024872	GGGAACCTCTCTAGGGCCACGC	566
TJU_CMC.ID00568.5p-miR	1	+	167041600	167041620	TCGCTTATCAGACTGGCAAAT	567
TJU_CMC.ID00569.3p-miR	1	+	167101909	167101928	GAGACACAGAGGGCTATGTG	568
TJU_CMC.ID00570.3p-miR	1	+	167138887	167138906	CTGACCTAAAGGCCAGTAAG	569
TJU_CMC.ID00571.5p-miR	1	-	167153952	167153971	TGAGGTAGTAGGTTGGGAGT	570
TJU_CMC.ID00572.5p-miR	1	-	167385829	167385848	GCCTCTTGCATAAGTGGCAA	571
TJU_CMC.ID00573.3p-miR	1	+	167541073	167541094	TAGCTTGCTGGACTGCGTGGGA	572
TJU_CMC.ID00574.5p-miR	1	-	167551520	167551539	CCTGAGAGCTATTGAAGCAG	573
TJU_CMC.ID00575.5p-miR	1	-	167561306	167561325	TTCACAGTGGCTAAACCAAT	574
TJU_CMC.ID00576.5p-miR	1	-	167607434	167607454	AAACATATCTGTAAAGGATGA	575
TJU_CMC.ID00577.3p-miR	1	-	167688151	167688173	GAGGGTAAAAGGGTCCTTAGGGA	576
TJU_CMC.ID00578.3p-miR	1	+	167695448	167695469	TGATGTTGCCCAGGGCTGGCTC	577
TJU_CMC.ID00579.3p-miR	1	+	167706798	167706817	GCTGAGATAGATTGTTCTCA	578
TJU_CMC.ID00580.3p-miR	1	+	167714163	167714185	CCCCCCACTGCAAAATTTGGTTA	579
TJU_CMC.ID00581.3p-miR	1	+	167893258	167893279	ACTGGGCTTGGAGTCAGAAGTC	580
TJU_CMC.ID00582.3p-miR	1	+	168056901	168056921	TGTCATCAGACGTGTAGTCCT	581
TJU_CMC.ID00583.3p-miR	1	-	168068876	168068897	TCACACTGGAACTCCCTGTGCC	582
TJU_CMC.ID00584.5p-miR	1	+	168106194	168106216	CCGCCCCCCCCACGCCCGGCCGG	583
TJU_CMC.ID00585.3p-miR	1	+	168274817	168274836	TGGCTCAGTTCAGGGAATAC	584

Table 1. Novel miRNA sequences

TJU_CMC.ID00586.5p-miR	1	+	168362847	168362869	TCCACTGAATGCAAATACCCCAA	585
TJU_CMC.ID00587.3p-miR	1	+	169571122	169571143	TAATTATTACCATTATCACTGG	586
TJU_CMC.ID00587.5p-miR	1	+	169571084	169571106	GATGATGCTTATGAAATAGGTAG	587
TJU_CMC.ID00588.3p-miR	1	+	170136969	170136989	CCCCTTGTAATGCAGATAGGG	588
TJU_CMC.ID00589.3p-miR	1	-	170813228	170813250	CCACTATTATATGAGAAAAAAGC	589
TJU_CMC.ID00590.5p-miR	1	-	171279463	171279484	AGAGGGTTGTTCCATACCAGTG	590
TJU_CMC.ID00591.3p-miR	1	-	171458006	171458026	AGCAGCACCACACAGGGATGA	591
TJU_CMC.ID00592.5p-miR	1	-	171570069	171570090	TCGTTTCCCGGTCAGGGAACCA	592
TJU_CMC.ID00593.5p-miR	1	+	171711431	171711453	GAGGAGTGGGAAACTTCCGAGAA	593
TJU_CMC.ID00594.3p-miR	1	-	172006999	172007019	TGATGAAGCTCAGGTAGCCAA	594
TJU_CMC.ID00595.5p-miR	1	+	173455274	173455295	ATGCTTTGTTTTTGTCTTGTTT	595
TJU_CMC.ID00596.3p-miR	1	-	173540667	173540648	AAGCTGCAATTCAACCCAGT	596
TJU_CMC.ID00597.3p-miR	1	+	173571769	173571790	TGTGCAAATCTATGCAGTGGTC	597
TJU_CMC.ID00598.5p-miR	1	-	173873518	173873537	AGCGGCTGGTACAAAAAAAA	598
TJU_CMC.ID00599.3p-miR	1	+	174092580	174092599	TAGCACCATCTGCCTTCGGT	599
TJU_CMC.ID00600.3p-miR	1	+	174337112	174337134	TGCGAGCTTTCAGCAGCTGTGAC	600
TJU_CMC.ID00601.5p-miR	1	-	174948622	174948641	GAAATTAGCTTCTGACTAAG	601
TJU_CMC.ID00602.3p-miR	1	-	174991693	174991716	GGCTGGTTCGAGTGCAGTGGTGTT	602
TJU_CMC.ID00603.3p-miR	1	+	175241676	175241698	AGCTGCAAACAGTGGCATCTTTT	603
TJU_CMC.ID00604.5p-miR	1	+	175245817	175245838	CTAACTGGGGAAACTTCTCAAA	604
TJU_CMC.ID00605.5p-miR	1	-	175325170	175325192	CCCAGAAAAGTCTGATGGATATT	605
TJU_CMC.ID00606.3p-miR	1	-	175463278	175463297	GCCGGCGGGAGGGGGCGGGG	606
TJU_CMC.ID00607.5p-miR	1	-	175754361	175754380	AGCAGGGAGATGCTCGTGGG	607
TJU_CMC.ID00608.3p-miR	1	-	175937536	175937557	TCTGATCGTTCCCCTCCGTACA	608
TJU_CMC.ID00608.5p-miR	1	-	175937575	175937595	TATGGAGGTCTCTGTCTGGCT	609
TJU_CMC.ID00609.3p-miR	1	+	176317058	176317077	ACTGGATACTTATGACATGT	610
TJU_CMC.ID00610.5p-miR	1	-	176487813	176487835	CACATGTGGGCTCATGTTCAGGA	611
TJU_CMC.ID00611.5p-miR	1	-	176683783	176683802	CATTATTACTTTTGGCCATG	612
TJU_CMC.ID00612.5p-miR	1	-	176692427	176692446	GGGTATGCTATAGCTTAAAT	613
TJU_CMC.ID00613.3p-miR	1	-	176869147	176869170	AGATAGATATGTAGAACTAAACTA	614
TJU_CMC.ID00614.5p-miR	1	+	177219897	177219918	TCCTCAGAGTTTCACAGGTGGA	615

Table 1. Novel miRNA sequences

TJU_CMC.ID00615.3p-miR	1	-	177237454	177237476	TGGCAGGTGTCGTAGCACCAACA	616
TJU_CMC.ID00616.3p-miR	1	+	178072202	178072223	TATCTGAAATGATATCATAGGT	617
TJU_CMC.ID00617.3p-miR	1	+	178477691	178477710	CATCTCCAGGCAGGAATCAA	618
TJU_CMC.ID00618.5p-miR	1	-	178627358	178627379	TGACAGTAATCCAGCTACTTGG	619
TJU_CMC.ID00619.3p-miR	1	+	178646936	178646957	GTCCATTTCAAGTTAACTCTGT	620
TJU_CMC.ID00620.5p-miR	1	-	178693624	178693645	TAGCACCATTTGATGCAGTGTG	621
TJU_CMC.ID00621.5p-miR	1	-	178815520	178815541	GATGCTTTACTGCTGTTTTAGT	622
TJU_CMC.ID00622.5p-miR	1	+	179182476	179182495	CCTTTTCGTGGAGAACAGAG	623
TJU_CMC.ID00623.3p-miR	1	-	179198318	179198337	GGCCGGGGGGTGGGGTCGGGG	624
TJU_CMC.ID00624.3p-miR	1	-	179318820	179318841	GAATGTCTCAAAGCCAGGTGTC	625
TJU_CMC.ID00625.5p-miR	1	-	179772310	179772332	TATGAAATTGACACAGCAGGTTA	626
TJU_CMC.ID00626.3p-miR	1	+	180219031	180219051	TGAGTGTGTGTGTGACAGTGT	627
TJU_CMC.ID00627.3p-miR	1	-	180714811	180714830	GATATAGGCATCAGTGCAGA	628
TJU_CMC.ID00628.5p-miR	1	-	180943359	180943380	TGATTTGATCCTGTGTCTGATC	629
TJU_CMC.ID00629.3p-miR	1	+	181291300	181291320	AGATGAGATGCTGGCATATAT	630
TJU_CMC.ID00630.5p-miR	1	+	181591275	181591296	GCTGCCTCATGCCTATTTCCAT	631
TJU_CMC.ID00631.5p-miR	1	-	181728807	181728829	CACATGGGCTTGCATCCCACTGA	632
TJU_CMC.ID00632.5p-miR	1	-	181741436	181741455	GAAGCAAACATCTCCGGTCT	633
TJU_CMC.ID00633.5p-miR	1	+	182203684	182203706	TGGTACAATCTATGCAAGGCCAG	634
TJU_CMC.ID00634.3p-miR	1	+	182255674	182255694	CTTTGATTAAAATTTAAATGA	635
TJU_CMC.ID00635.3p-miR	1	-	182360850	182360871	CCTCTCCTAACCTCGCTCTCGC	636
TJU_CMC.ID00636.5p-miR	1	+	182519437	182519458	CATACTGGGAGGTCCACTGGGG	637
TJU_CMC.ID00637.3p-miR	1	-	182655051	182655071	ATGCATTGGAGTCAGCTATTT	638
TJU_CMC.ID00638.3p-miR	1	+	182808467	182808486	AGCGCCGCGGTCGGAGCCAT	639
TJU_CMC.ID00639.3p-miR	1	+	183061818	183061837	TCTGGATACTTACAGTGATC	640
TJU_CMC.ID00640.3p-miR	1	-	183235907	183235928	TGAGTCAGGCAGTTTTTGCCCT	641
TJU_CMC.ID00641.5p-miR	1	-	183275643	183275662	GCATGAGTGGTTCAGTGGTT	642
TJU_CMC.ID00642.3p-miR	1	+	183788325	183788346	CAATAAGGCTTTGCCCTACATA	643
TJU_CMC.ID00643.5p-miR	1	+	184060298	184060317	TCCAGTCTCAAAGCACATGT	644

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TJU_CMC.ID00644.5p-miR	1	-	184189995	184190015	GGGATGTAGATATGTACACTG
TJU_CMC.ID00645.3p-miR	1	-	184218469	184218491	GCAATCAAAAGGGTCCTTAAAAG
TJU_CMC.ID00646.5p-miR	1	+	184777930	184777951	TGTACTGGGAGAGGTATCCAGT
TJU_CMC.ID00647.5p-miR	1	-	184781021	184781043	AGAGTGCAAGTCAGATTATTCCA
TJU_CMC.ID00648.5p-miR	1	+	184781022	184781042	GGAATAATCTGACTTGCACTC
TJU_CMC.ID00649.3p-miR	1	+	184902493	184902512	CTGACCTATCTTAATTGCTA
TJU_CMC.ID00650.5p-miR	1	-	185031654	185031675	TTACATGTAAAGAGGATAGGTT
TJU_CMC.ID00651.5p-miR	1	+	185065480	185065501	TGGCTCCTCAAAGCTGAACACT
TJU_CMC.ID00652.3p-miR	1	-	186698989	186699008	AAACGCCAGTAGACCTACAG
TJU_CMC.ID00653.5p-miR	1	-	186885297	186885319	GTTCGAGGAGGAGAAGTTTACGA
TJU_CMC.ID00654.5p-miR	1	-	187160434	187160455	ACCTGCAATGGTGGCATGTGTT
TJU_CMC.ID00655.5p-miR	1	-	187270678	187270698	CTGACCTATGAGCCAGTTCTA
TJU_CMC.ID00656.5p-miR	1	-	187784707	187784729	TTCGAATACATCAATCACTTGAC
TJU_CMC.ID00657.5p-miR	1	-	188486325	188486344	CTGGGGTATTTGTGGCTGAG
TJU_CMC.ID00658.5p-miR	1	-	188514502	188514522	GCAGCTAGTTAGGATGAGGTC
TJU_CMC.ID00659.3p-miR	1	-	188947120	188947139	GCTAGTTGTGTTCAGTGGTA
TJU_CMC.ID00660.3p-miR	1	+	190183851	190183872	ATAGCAAAACTCACAGCAAACT
TJU_CMC.ID00661.3p-miR	1	+	190776090	190776112	TAGCACCATTTGACCTCAGAGCG
TJU_CMC.ID00662.3p-miR	1	-	191465790	191465811	TTCAGGAATCCCAAAAGCAGCA
TJU_CMC.ID00663.5p-miR	1	+	191774641	191774661	GGGAGAGTGTTTTTTGTGTTG
TJU_CMC.ID00664.5p-miR	1	-	192150032	192150051	TACTTCTACACCATGCCTTT
TJU_CMC.ID00665.5p-miR	1	+	192220925	192220946	CCCCTGTGGGCTCAGGCTCAGG
TJU_CMC.ID00666.5p-miR	1	+	192295258	192295277	TATGGACTAACAAATCTAGG
TJU_CMC.ID00667.3p-miR	1	+	192300125	192300146	TGATGTAGTAGATTGTATCAGT
TJU_CMC.ID00668.3p-miR	1	-	192823548	192823569	TAGCAATAGCTAAAATCCAAAC
TJU_CMC.ID00669.3p-miR	1	+	193704322	193704342	TTTGTGCCATTGAAGATTGGT
TJU_CMC.ID00670.5p-miR	1	+	193975226	193975247	AGGTTGCTGCATGGTACGCTGA
TJU_CMC.ID00671.3p-miR	1	-	194547369	194547388	GCTGAGATAGCGCACCACTG
TJU_CMC.ID00672.3p-miR	1	+	194801341	194801362	TCCTTTGTGGGAACATGGGTGT
TJU_CMC.ID00673.3p-miR	1	-	195178756	195178777	CAGTGCAATGTTATTTGGCACT
TJU_CMC.ID00674.5p-miR	1	+	195718379	195718400	TCAGAGTTTGTCAAATACTTTT

Table 1. Novel miRNA sequences

TJU_CMC.ID00675.3p-miR	1	+	195790424	195790447	AGCTGGGAGAAAGAGAGGAGGTGT	676
TJU_CMC.ID00676.5p-miR	1	+	196184622	196184641	CCTGGCGGGGCAGGGGCGGGG	677
TJU_CMC.ID00677.3p-miR	1	-	197171467	197171489	TGTGCAAATCCATGTGAATGTGA	678
TJU_CMC.ID00678.3p-miR	1	-	197877660	197877682	GAAACTGGCTCCCAGGAATCCCT	679
TJU_CMC.ID00679.3p-miR	1	+	198126255	198126278	CGGGGCGGCGCGGCGGGAGGTGGC	680
TJU_CMC.ID00680.5p-miR	1	+	198234223	198234243	TAGCTTATCAAGTCACACTAG	681
TJU_CMC.ID00681.3p-miR	1	-	198315267	198315288	TAGCAGGGTAAGAAATAAAAAC	682
TJU_CMC.ID00682.5p-miR	1	+	198366260	198366282	AGCAGCATTTATGTCAATCATGA	683
TJU_CMC.ID00683.3p-miR	1	-	198479230	198479249	CCAAATGTAGATATGGCTGC	684
TJU_CMC.ID00684.3p-miR	1	+	198633972	198633993	TAGCATTGGAAGAAATATTTTA	685
TJU_CMC.ID00685.5p-miR	1	+	198957683	198957706	GCATACCAGAGTCTAGTCTGTACT	686
TJU_CMC.ID00686.3p-miR	1	+	198962094	198962113	GGCCCTTGAAAATCCTGATC	687
TJU_CMC.ID00687.5p-miR	1	-	199452945	199452966	TACTGTTTTGGATTTATTTTTG	688
TJU_CMC.ID00688.3p-miR	1	+	200060552	200060572	GGAGCCTGTTTCTGTACCAGA	689
TJU_CMC.ID00689.5p-miR	1	-	200351122	200351144	AGTAGCAAACATGTTATTTTTGG	690
TJU_CMC.ID00690.3p-miR	1	+	200640542	200640561	CGGCATCAGAGGCTATGGGG	691
TJU_CMC.ID00691.3p-miR	1	+	201044002	201044024	GAGCTGCGTGGAGAGCCAGTGAG	692
TJU_CMC.ID00692.3p-miR	1	+	201104084	201104106	TGGCTCAGTGACTGTGGACACTG	693
TJU_CMC.ID00693.3p-miR	1	+	201196209	201196230	CACTGACCTGCTGGGCGTGTGC	694
TJU_CMC.ID00694.5p-miR	1	-	201256500	201256522	ATAGTCAAACACAAATACAAAAA	695
TJU_CMC.ID00695.3p-miR	1	+	201592051	201592070	TCACTACGCCTCCGCCATCC	696
TJU_CMC.ID00696.3p-miR	1	-	201700950	201700971	TCCCTGATCTTCTAATAACACT	697
TJU_CMC.ID00697.3p-miR	1	+	201858061	201858084	CCGGCTTGGTCCTGCGGTCCCTTC	698
TJU_CMC.ID00698.3p-miR	1	+	202246808	202246830	GCCACTGCCCTTGAGGGGCTTTC	699
TJU_CMC.ID00699.3p-miR	1	+	202300653	202300673	AACATTCAATATCCCTAGTGA	700
TJU_CMC.ID00700.3p-miR	1	-	202794333	202794353	CCCCTTGCTGCACTGATGAGA	701
TJU_CMC.ID00701.5p-miR	1	-	202930283	202930303	TCACTCCTCCCCAGGGCAGAA	702
TJU_CMC.ID00702.3p-miR	1	+	203186374	203186395	ACAGGCTGAGTACAGCCAGATA	703
TJU_CMC.ID00703.5p-miR	1	+	203313637	203313659	GTGTACCCGCCCTGCTCCACTGA	704
TJU_CMC.ID00704.3p-miR	1	+	203329784	203329803	TCGTGGTGGGTCATAGCAGG	705
TJU_CMC.ID00705.3p-miR	1	-	203473487	203473507	AGCACACCATTATCTAGAGTT	706

Table 1. Novel miRNA sequences

TJU_CMC.ID00706.3p-miR	1	+	204031102	204031122	CCTGAGGGCTGTGTTTCCAGC	707
TJU_CMC.ID00707.5p-miR	1	+	204041512	204041533	AGCTACAGGTGAGATCAGGTTT	708
TJU_CMC.ID00708.5p-miR	1	+	204126741	204126760	TGGCTCAGGGACTACTGTAG	709
TJU_CMC.ID00709.3p-miR	1	+	204135142	204135164	TCTAGACCTGACTACTAGTGTCA	710
TJU_CMC.ID00710.3p-miR	1	+	204135750	204135771	CAGCACTGCTCAGGGCTAACAT	711
TJU_CMC.ID00711.5p-miR	1	-	204744474	204744495	TGAGTTGGGTGACAATACTCTG	712
TJU_CMC.ID00712.3p-miR	1	+	204750892	204750912	GAATGAGATGAGTTAGGCTAG	713
TJU_CMC.ID00713.3p-miR	1	-	204846925	204846946	TGCTGAGCACTCAAATACCATA	714
TJU_CMC.ID00714.3p-miR	1	+	204950304	204950325	AAACAGGGCAACGGCAGCTGGG	715
TJU_CMC.ID00715.5p-miR	1	+	205051863	205051884	ACTTGACCCTCCCAGGAATAGA	716
TJU_CMC.ID00716.3p-miR	1	+	205213564	205213585	AAGAAACCAAAGGTGCAAGTGT	717
TJU_CMC.ID00717.3p-miR	1	+	205376027	205376049	ACTTCTAAGGACCCTTGGAATCT	718
TJU_CMC.ID00718.3p-miR	1	+	206201052	206201071	CCTCATTTCATAGGGATGTG	719
TJU_CMC.ID00719.5p-miR	1	-	206223035	206223057	TGCTGACGGTAAAAATAAAAACA	720
TJU_CMC.ID00720.5p-miR	1	+	206617939	206617961	CAGCTTAAGCCTGCAGCACCTCA	721
TJU_CMC.ID00721.5p-miR	1	-	206762652	206762671	CTCTCTCCCCCGCTCCCAGT	722
TJU_CMC.ID00722.3p-miR	1	+	206871981	206872000	GTGTTTTACTTACATTCTTG	723
TJU_CMC.ID00723.5p-miR	1	+	206957757	206957776	CCCTGTCAGCCTCTTCTAGC	724
TJU_CMC.ID00724.5p-miR	1	-	207535434	207535454	GCCACCACTGGAATAGGCTGC	725
TJU_CMC.ID00725.3p-miR	1	+	207780193	207780214	GAAAGTCTCTAAGCTAGGTGCT	726
TJU_CMC.ID00726.5p-miR	1	-	207822602	207822624	GCAGTGTCACACATCTTGGTGCCTT	727
TJU_CMC.ID00727.3p-miR	1	+	207984860	207984879	AGCTCCCACATAAACCCATC	728
TJU_CMC.ID00728.3p-miR	1	-	208076113	208076132	GCAGCAGGTCTCACTCCACA	729
TJU_CMC.ID00729.3p-miR	1	+	208166101	208166123	TCACTAGAATGTGAGGACAGAAA	730
TJU_CMC.ID00730.5p-miR	1	+	208286594	208286616	TGATGATGGCATGGGGTGGGGTG	731
TJU_CMC.ID00731.3p-miR	1	+	208362963	208362983	CTGACCTCACTTAACTTTTGG	732
TJU_CMC.ID00732.3p-miR	1	+	208531688	208531709	TAGCACCACCTCTGGCTATGGC	733
TJU_CMC.ID00733.3p-miR	1	+	208967295	208967315	TAGTGCAATGTTCCCCTTCAC	734
TJU_CMC.ID00734.3p-miR	1	+	209066050	209066072	CACCAACCCATCAAAAATGTTTGG	735
TJU_CMC.ID00735.5p-miR	1	-	210482203	210482224	TAGTAGCACATCATGGTTATGA	736
TJU_CMC.ID00736.5p-miR	1	+	211025257	211025278	CCTACTACATGCCAGGAATCAT	737

Table 1. Novel miRNA sequences

TJU_CMC.ID00737.5p-miR	1	-	211307380	211307401	CGCCGGGCGCATGGGGCGCTTC	738
TJU_CMC.ID00738.5p-miR	1	+	211761154	211761175	TGAGATGAAGCACTCATCCTGG	739
TJU_CMC.ID00739.5p-miR	1	-	212062881	212062902	CCCGCGCCTCTCCCTCCGCCCC	740
TJU_CMC.ID00740.3p-miR	1	+	212211713	212211735	GCATCTCAAACTCAAATACCCAA	741
TJU_CMC.ID00741.3p-miR	1	-	212459224	212459243	CCCCGGCGCGCGGCGAGCTC	742
TJU_CMC.ID00742.5p-miR	1	+	212485622	212485645	ACACAATGATGAAACTGCCTGAGG	743
TJU_CMC.ID00743.5p-miR	1	+	212586614	212586635	CAAGCCTTAGGCAAATCTCATC	744
TJU_CMC.ID00744.3p-miR	1	+	212621463	212621482	ACACTCTCCTACAGTGACCA	745
TJU_CMC.ID00745.5p-miR	1	+	212674076	212674095	ATATAGTTCTGAGCGTTTTT	746
TJU_CMC.ID00746.5p-miR	1	+	213488034	213488056	TAGCAGCAATGAAAATACTTTGG	747
TJU_CMC.ID00747.3p-miR	1	+	213649870	213649891	TTCTGACTCAGGTTTATGGGGA	748
TJU_CMC.ID00748.3p-miR	1	+	213680844	213680864	TAGCAGCATAACTTTATACAG	749
TJU_CMC.ID00749.5p-miR	1	-	214043267	214043287	GCACCAACAACCTGACTACCA	750
TJU_CMC.ID00750.3p-miR	1	-	214240818	214240840	TGTCATTTTGAGTAATTGGGGTA	751
TJU_CMC.ID00751.5p-miR	1	-	214618393	214618414	TGTATGGGCTTGCATGGAGCAT	752
TJU_CMC.ID00752.5p-miR	1	+	215227807	215227826	GTTCAGTGTATAGGGAACTT	753
TJU_CMC.ID00753.3p-miR	1	-	215404426	215404449	TCGAGAAGTTTCACAAAGTCACCA	754
TJU_CMC.ID00754.5p-miR	1	-	215534270	215534291	AAACATAATAAATTACTGTCAA	755
TJU_CMC.ID00755.5p-miR	1	+	215656994	215657014	CAGCAGCAATTCATGTGTTGT	756
TJU_CMC.ID00756.5p-miR	1	+	216196224	216196245	TAGCAGTGCTCCTTATGCCCAT	757
TJU_CMC.ID00757.5p-miR	1	-	216556449	216556471	CACTGTGGGTGACCCGTTTTTGT	758
TJU_CMC.ID00758.5p-miR	1	+	217212637	217212656	ACCCCACTCCTGGTACCATT	759
TJU_CMC.ID00759.5p-miR	1	+	217484696	217484717	AAATGCAATGGTAATGATTGGA	760
TJU_CMC.ID00760.3p-miR	1	-	218097746	218097767	TGTAAACATCCTTGTGCCCTTC	761
TJU_CMC.ID00761.3p-miR	1	+	218454714	218454736	GAGAAGTTTCCACAGGAGTCTGT	762
TJU_CMC.ID00762.3p-miR	1	-	218523727	218523748	GCTGACCCACTAAATACCGGTA	763
TJU_CMC.ID00763.5p-miR	1	+	218604982	218605001	TAGCAGCACAGAAATATGCA	764
TJU_CMC.ID00764.3p-miR	1	-	218794483	218794502	CAGTGAAAAGGCTTAGTCAC	765
TJU_CMC.ID00765.3p-miR	1	+	219047045	219047066	AGAGGGAAAGGGTGTAGCAGCT	766
TJU_CMC.ID00766.3p-miR	1	-	219790158	219790177	CCACTGCACGTGGCTAACTT	767
TJU_CMC.ID00767.5p-miR	1	-	220079980	220080001	GAGCCTCGGTTGCGGAGGTTGC	768

Table 1. Novel miRNA sequences

TJU_CMC.ID00768.5p-miR	1	+	220249327	220249347	ATTGGCAATGGTGGCATGATG	769
TJU_CMC.ID00769.5p-miR	1	-	220387361	220387380	GCTGAGTTTGAATACTCTTG	770
TJU_CMC.ID00770.5p-miR	1	+	220795976	220795997	TGACTGTAATCCAAATACTTTG	771
TJU_CMC.ID00771.3p-miR	1	+	221658614	221658635	AGTTCAAGTCCCTTCTCATATG	772
TJU_CMC.ID00772.5p-miR	1	-	221701631	221701650	GCTTTGTTATGTAACAACAG	773
TJU_CMC.ID00773.5p-miR	1	-	222275912	222275931	TATAACCACCAAGTCACCAA	774
TJU_CMC.ID00774.3p-miR	1	-	222817696	222817717	GCGGACTCTGGGATTGAACTTC	775
TJU_CMC.ID00775.3p-miR	1	+	223216154	223216176	ACTAGACTGGACTACTTGGTGAA	776
TJU_CMC.ID00776.5p-miR	1	+	223468123	223468145	CTGTTGGGACTAAATACCCCAAT	777
TJU_CMC.ID00777.3p-miR	1	-	224330057	224330076	CTGTCCCCCCATTTTTTTTT	778
TJU_CMC.ID00778.3p-miR	1	-	224402239	224402260	TCGAATCCTGAGCTCATACAAT	779
TJU_CMC.ID00779.3p-miR	1	+	224547202	224547223	TGTCAGTAACAGAAATAAAACA	780
TJU_CMC.ID00780.3p-miR	1	+	225019210	225019232	TAAAACGTGATATGACTTCCATT	781
TJU_CMC.ID00781.3p-miR	1	-	225762783	225762804	ACATTTGTAGGATGTTGTGATT	782
TJU_CMC.ID00782.3p-miR	1	+	226026471	226026490	ATCCCACTCCTGACTGACCC	783
TJU_CMC.ID00783.3p-miR	1	-	226033511	226033530	CTTATCTGGGCCTTCTCACT	784
TJU_CMC.ID00784.5p-miR	1	+	226045917	226045939	TAGCTTTTTGAGTAGATGCCAGT	785
TJU_CMC.ID00785.5p-miR	1	-	226093253	226093272	GAATGGTGCCCCCTCCACCC	786
TJU_CMC.ID00786.5p-miR	1	-	226166550	226166569	TTCACAGTGGCTACATTCCA	787
TJU_CMC.ID00787.3p-miR	1	-	227002004	227002026	GTGCAGGGGTCTTGAAGGCTTTC	788
TJU_CMC.ID00788.3p-miR	1	+	227087976	227087995	CCCCACCGCTGCCACCATTG	789
TJU_CMC.ID00789.3p-miR	1	+	227503974	227503995	CTCACATCATTGATCTATTCCA	790
TJU_CMC.ID00790.5p-miR	1	+	227553025	227553046	GTCCAGTGGGATTGAAGGGTTA	791
TJU_CMC.ID00791.5p-miR	1	+	228236205	228236226	ACAGCAGGCACTCTGTTCCTCA	792
TJU_CMC.ID00792.5p-miR	1	-	228295642	228295662	GCCCGGCAGTGCCCAATCACA	793
TJU_CMC.ID00793.5p-miR	1	+	228489989	228490009	ACCCCACTCCTGGTACCAAAG	794
TJU_CMC.ID00794.5p-miR	1	+	228542380	228542401	TGACAGTTTAGGTCCATGAATG	795
TJU_CMC.ID00795.3p-miR	1	-	229568461	229568482	TCTACAACGAGCTTCGCGTGGC	796
TJU_CMC.ID00796.5p-miR	1	-	230130669	230130688	CCCGGGGGGATTACAATGTT	797
TJU_CMC.ID00797.5p-miR	1	-	230288931	230288952	TATAGTCTCAGCTACTCCACAG	798
TJU_CMC.ID00798.3p-miR	1	+	230839196	230839215	ATTTTCCAGCCTGCCAGGAG	799

Table 1. Novel miRNA sequences

TJU_CMC.ID00799.3p-miR	1	-	231189306	231189325	CTGACAGCCAGGCCCTTGAT	800
TJU_CMC.ID00800.5p-miR	1	-	231203783	231203805	GAGCACACAGAAGGATACAAATG	801
TJU_CMC.ID00801.5p-miR	1	+	231291525	231291544	AACTAAATAAGGGTGTTCCC	802
TJU_CMC.ID00802.5p-miR	1	+	231987987	231988008	TATCTCATTTCAGAATATCTGA	803
TJU_CMC.ID00803.3p-miR	1	+	232144713	232144734	GGAAGACCCCTTTGAAGGTATT	804
TJU_CMC.ID00804.3p-miR	1	+	232163266	232163288	TGATCTGTGGACGCAGTTTGTCA	805
TJU_CMC.ID00805.5p-miR	1	-	232398798	232398819	TTCACTGCCTCCAGGAAAGCCA	806
TJU_CMC.ID00806.5p-miR	1	+	232405612	232405634	TGAAGACTCCTGCACTTCCACTG	807
TJU_CMC.ID00807.5p-miR	1	+	233101559	233101580	TCAGTCGGGTGACCATGTGGGT	808
TJU_CMC.ID00808.5p-miR	1	+	233136661	233136682	TCTGGACGGCTTCAATGCTTAG	809
TJU_CMC.ID00809.5p-miR	1	+	233335358	233335379	CACGTCGTGAGATTATATCCAC	810
TJU_CMC.ID00810.5p-miR	1	-	233818304	233818325	TCAGTGTGCACTGAGGTCCCTG	811
TJU_CMC.ID00811.5p-miR	1	-	234040761	234040784	GGCGGAGGGGCCGCGGGCCGGAGC	812
TJU_CMC.ID00812.5p-miR	1	-	234176327	234176348	GAAAGTCTCAAAGCCAGGTGCC	813
TJU_CMC.ID00813.5p-miR	1	-	234367886	234367905	GCAGCGAACATCTCCGCGAG	814
TJU_CMC.ID00814.3p-miR	1	-	234466698	234466719	TGAGTCATTGAGTCCATGGGGA	815
TJU_CMC.ID00815.3p-miR	1	-	235534730	235534750	TCAGTGCACTACAGCCTGGGT	816
TJU_CMC.ID00816.3p-miR	1	+	236070105	236070128	AGCCCTTAATATTTCTAAGCCTCT	817
TJU_CMC.ID00817.5p-miR	1	-	236172502	236172524	GCTATTATAAGGGCACCACTAAG	818
TJU_CMC.ID00818.3p-miR	1	-	236306981	236307000	GCCTTTTCTTGGGGCCTCTC	819
TJU_CMC.ID00819.3p-miR	1	+	236333816	236333836	TGGCTCAGTTCACGTCTCTAC	820
TJU_CMC.ID00820.3p-miR	1	-	236496387	236496407	GAGGAGAAATGCCCCTTTAGC	821
TJU_CMC.ID00821.3p-miR	1	+	236577413	236577433	CAATGGATAAGGCCAGTTGAT	822
TJU_CMC.ID00822.5p-miR	1	-	236849874	236849895	GCGGCGGGCGGCGGGCGGCGGG	823
TJU_CMC.ID00823.5p-miR	1	-	237144411	237144430	TTTATTATATTTTTTCTTGG	824
TJU_CMC.ID00824.5p-miR	1	-	237304753	237304773	CCCCATAAACATGAGATGATA	825
TJU_CMC.ID00825.3p-miR	1	-	237330702	237330723	TGAGGTGAGCTGTTGAATAGTT	826
TJU_CMC.ID00826.3p-miR	1	+	237806696	237806715	GATTTGGTGGGGCGTTATCAG	827
TJU_CMC.ID00827.5p-miR	1	-	238279718	238279739	TAGCTTATCAGTCACTATCCAG	828
TJU_CMC.ID00828.3p-miR	1	-	238989722	238989744	ATCTACAAACTTTGAAGGCTTTC	829
TJU_CMC.ID00829.3p-miR	1	+	239574296	239574316	TGAGACAAAGCACTGCCTAGA	830

Table 1. Novel miRNA sequences

TJU_CMC.ID00830.3p-miR	1	-	239976172	239976192	CATTGGAGGGCAGACTCCAAC	831
TJU_CMC.ID00831.3p-miR	1	+	240144047	240144069	GAAGTTTTATTGCACAAGCTCTT	832
TJU_CMC.ID00832.5p-miR	1	-	240174027	240174049	GTTTCTGGGGCCCAGGAATCCAG	833
TJU_CMC.ID00833.3p-miR	1	-	240775284	240775304	CGGCGGCGGGAGACCAAACTT	834
TJU_CMC.ID00834.5p-miR	1	+	240824192	240824211	AACTTCGGGATAAGGATGAG	835
TJU_CMC.ID00835.5p-miR	1	-	240874639	240874660	TTCTTCATTGTCAATTATCCAA	836
TJU_CMC.ID00836.5p-miR	1	+	241045822	241045841	CTCTCGGGGCCACATAGTAT	837
TJU_CMC.ID00837.5p-miR	1	-	241520065	241520088	CGGCCGCCCCCGGGAGCCCCGCGC	838
TJU_CMC.ID00838.3p-miR	1	+	241636535	241636556	GCTGTGCCATTCTGCATTTCCA	839
TJU_CMC.ID00839.5p-miR	1	+	241844017	241844037	TTCACAGTGGCTAAGCACTGC	840
TJU_CMC.ID00840.3p-miR	1	-	242003637	242003658	TAAGCCAATCAGTTTATGGTTG	841
TJU_CMC.ID00841.5p-miR	1	-	242040362	242040382	TAGTATCTCCTTTTAGTTGCA	842
TJU_CMC.ID00842.3p-miR	1	+	242509088	242509107	GTATAAGGAAATGCAGCAAC	843
TJU_CMC.ID00843.5p-miR	1	+	242688022	242688045	GCGGCGGCGGCGGCGGGGGTGGGG	844
TJU_CMC.ID00844.5p-miR	1	-	242731247	242731266	TAATTATTTCTGGGGCCCCA	845
TJU_CMC.ID00845.3p-miR	1	-	243896018	243896039	TAGCTGCAGTCTGGTGCACTGG	846
TJU_CMC.ID00846.5p-miR	1	-	243959093	243959112	AGGGGCCGTGGATTGTTGCT	847
TJU_CMC.ID00847.3p-miR	1	+	244078418	244078440	ACAACATTCAAAACCTCTGCAGC	848
TJU_CMC.ID00848.3p-miR	1	-	244666066	244666087	TGGTCCACGGCAGTGATAGCCT	849
TJU_CMC.ID00849.3p-miR	1	-	244893763	244893782	CGCGCGCCAGCCCCGCCGCC	850
TJU_CMC.ID00850.3p-miR	1	-	245557137	245557159	CAGGGCATCTAGGCTAGAACACA	851
TJU_CMC.ID00851.5p-miR	1	-	246798326	246798348	CGAGGCCACTTGCACCAGCAGCG	852
TJU_CMC.ID00852.5p-miR	1	+	247094840	247094859	CCGCCGCGCGGGCCCAACCC	853
TJU_CMC.ID00853.3p-miR	1	-	247830399	247830421	TAGGTATAGTAGCTGATGAACAC	854
TJU_CMC.ID00854.3p-miR	1	-	248159648	248159667	ATAATCATATTTACCAATTT	855
TJU_CMC.ID00855.3p-miR	1	-	249132868	249132887	GCGTCACTCGCAGCCCGGGC	856
TJU_CMC.ID00856.3p-miR	1	+	249137017	249137036	CTCCTGATGCAGCTACAACT	857
TJU_CMC.ID00857.5p-miR	2	+	90800	90821	ATTGTGCCATTGAGAGGTGACA	858
TJU_CMC.ID00858.5p-miR	2	-	161465	161484	CAGCCCCAGTGGAACCACCA	859
TJU_CMC.ID00859.3p-miR	2	+	396705	396726	CTGTGAAATATTTTACATCCTG	860
TJU_CMC.ID00860.3p-miR	2	+	416169	416191	TGTCCTGGGTGATTTATGGGCGG	861

Table 1. Novel miRNA sequences

TJU_CMC.ID00861.3p-miR	2	+	558766	558786	GCATGGCACCTGCAGCATGGG	862
TJU_CMC.ID00862.5p-miR	2	+	766636	766657	TAGCATCACGGCCACGCCAGCT	863
TJU_CMC.ID00863.3p-miR	2	+	1571644	1571665	AGAGAGCCATTGAGGATTCTTG	864
TJU_CMC.ID00864.3p-miR	2	+	1941942	1941961	GATGCAATGTCTGCTATAAA	865
TJU_CMC.ID00865.5p-miR	2	-	2117916	2117938	CACTGCATGACTGGGCGTATTAC	866
TJU_CMC.ID00866.3p-miR	2	+	2263992	2264013	TAACACTGTCTGTGCCTCCGTG	867
TJU_CMC.ID00867.5p-miR	2	-	2328270	2328290	CATTATTACTTTTGTCCATGT	868
TJU_CMC.ID00868.5p-miR	2	-	2409392	2409414	CATTGCACTTGTCTTAACTGCAT	869
TJU_CMC.ID00869.3p-miR	2	+	3063432	3063453	GCATGGCACCTGCCACCGTGCA	870
TJU_CMC.ID00870.5p-miR	2	-	3117190	3117211	ACAGAGCAGACGTGTAACTAGT	871
TJU_CMC.ID00871.5p-miR	2	+	3379728	3379747	CCCTGTATAAAATTTATTTG	872
TJU_CMC.ID00872.5p-miR	2	+	4021632	4021653	CTGGACTCTGGGATGCTTGTGA	873
TJU_CMC.ID00873.5p-miR	2	+	4476709	4476728	AGAGGCCGTAGAGGTGGTTC	874
TJU_CMC.ID00874.3p-miR	2	+	5004121	5004141	AATGCACCCAAAGTTTCAGTC	875
TJU_CMC.ID00875.3p-miR	2	+	5747653	5747673	TTCATCATTTCCAGGATAAAA	876
TJU_CMC.ID00876.5p-miR	2	-	5870770	5870792	AGCATAGTGAAATCAACAGCAGA	877
TJU_CMC.ID00877.3p-miR	2	+	6345303	6345324	TAGCTGAGAGACTAAGGCACCC	878
TJU_CMC.ID00878.3p-miR	2	+	6644417	6644438	TGCTGACGGTGATTTATCAACA	879
TJU_CMC.ID00879.5p-miR	2	-	7358326	7358346	GTATTGAAGAGCTTAGCTTGC	880
TJU_CMC.ID00880.3p-miR	2	+	7408176	7408196	ATGCCAGCATTTATAAGGATT	881
TJU_CMC.ID00881.3p-miR	2	-	7467071	7467092	GTCTAAGGCTTTGTCAGCAGCT	882
TJU_CMC.ID00882.3p-miR	2	+	7844203	7844222	GCATCGCACTTCAGTGTGCA	883
TJU_CMC.ID00883.3p-miR	2	-	7941526	7941545	TGAGGGCTTAGCCCATACAG	884
TJU_CMC.ID00884.3p-miR	2	+	8024695	8024715	CTCTGTCGCAGGCCAGTGAAT	885
TJU_CMC.ID00885.5p-miR	2	-	8227529	8227548	ACCACATTGCCAGGCATTTC	886
TJU_CMC.ID00886.3p-miR	2	-	8287586	8287606	GTGTAGTGGTCAGGCTCCCTC	887
TJU_CMC.ID00887.3p-miR	2	-	8661263	8661283	GCTAGGGCTGAGGGTAGGGGT	888
TJU_CMC.ID00888.5p-miR	2	-	9347390	9347409	GCTGGGGCGCGGGATACCTG	889
TJU_CMC.ID00889.3p-miR	2	+	9542649	9542669	CCAGCCAGCTCCCACAGTTGC	890
TJU_CMC.ID00890.5p-miR	2	+	9785103	9785122	CGTAGAAGTAACTGCGCTAC	891
TJU_CMC.ID00891.5p-miR	2	-	9919586	9919605	TCCGCAGCAGGTCTCCCCGG	892

Table 1. Novel miRNA sequences

TJU_CMC.ID00892.3p-miR	2	+	10180991	10181012	AACTGACGGCTTGAATACAGGT	893
TJU_CMC.ID00893.3p-miR	2	-	10682275	10682295	AGAGTCGGCTAGGTTGCTACC	894
TJU_CMC.ID00894.5p-miR	2	-	10835116	10835137	TGTCAGTAATCCAGGATTTTTG	895
TJU_CMC.ID00895.3p-miR	2	-	10925605	10925627	TACACCAGGTCTGGTATGTTTCA	896
TJU_CMC.ID00896.5p-miR	2	-	11237055	11237074	TTAGCGGATGACCTGTAGTT	897
TJU_CMC.ID00897.3p-miR	2	-	11325280	11325302	GTGCTATGATGGAAAAACTGAGC	898
TJU_CMC.ID00898.3p-miR	2	+	11605864	11605883	CCACCGCCCGTCCCCGTCCC	899
TJU_CMC.ID00899.3p-miR	2	+	11623170	11623189	GCCCGGCGGGGAAGGTGCGC	900
TJU_CMC.ID00900.5p-miR	2	+	11801476	11801497	ATCACATTGCACTTAGCTCTTG	901
TJU_CMC.ID00901.3p-miR	2	+	11891321	11891340	GCGCTGGAGGAGCTGAGTGA	902
TJU_CMC.ID00902.5p-miR	2	+	11987888	11987907	GCCTTGGTGGCTCAGTGGTG	903
TJU_CMC.ID00903.3p-miR	2	+	12824624	12824645	TAGATTATGCCTCCCAGCAAAAC	904
TJU_CMC.ID00904.3p-miR	2	-	12851443	12851463	CCTTCCATAATGGTGATTTCC	905
TJU_CMC.ID00905.5p-miR	2	+	12958017	12958039	AGGCCCAGTTCTATGAACCACTG	906
TJU_CMC.ID00906.3p-miR	2	-	13132041	13132062	TGGGACTCTGAAGCCAGGCACT	907
TJU_CMC.ID00907.5p-miR	2	-	13683794	13683816	CCTGAGTAATCCAGGATATTTAG	908
TJU_CMC.ID00908.5p-miR	2	+	13977614	13977633	ATAGATGAAGGTCTCACTTT	909
TJU_CMC.ID00909.5p-miR	2	-	14437759	14437779	ACTACATCATCTAACCTATCA	910
TJU_CMC.ID00910.3p-miR	2	-	14835692	14835711	TGAGTCATTGAGTTTATGGC	911
TJU_CMC.ID00911.5p-miR	2	-	15914492	15914514	TGGGACTCTGGGATTGAACATTT	912
TJU_CMC.ID00912.5p-miR	2	-	16374290	16374311	TTCTGACTGCTCAAATATTTTC	913
TJU_CMC.ID00913.3p-miR	2	-	16389555	16389576	TTACCTGCCTCCTGTCGCTATC	914
TJU_CMC.ID00914.5p-miR	2	+	16422635	16422656	TCCCTCTCTGGGATCAGGCCTC	915
TJU_CMC.ID00915.5p-miR	2	-	16505229	16505248	TGGCTCAGTTCAACAGACTC	916
TJU_CMC.ID00916.3p-miR	2	-	16511434	16511454	GAGGTCAAAAGGGTCAGGTCT	917
TJU_CMC.ID00917.5p-miR	2	-	16612779	16612800	AATCCTCACTTTGAATCCATGT	918
TJU_CMC.ID00918.5p-miR	2	-	16712466	16712487	TGAGAGTTTGAGCCATAGGTGT	919
TJU_CMC.ID00919.5p-miR	2	-	16724215	16724236	ACACTACGCCACTACGCCTGGC	920
TJU_CMC.ID00920.3p-miR	2	+	16925402	16925421	TACAGCCACCAAGTCACCAA	921
TJU_CMC.ID00921.3p-miR	2	+	17387086	17387106	GTCCAGTTTTCCCAGCACCAA	922
TJU_CMC.ID00922.3p-miR	2	+	17502216	17502237	TAGCATATATGCCCCCCTTGCAT	923

Table 1. Novel miRNA sequences

TJU_CMC.ID00923.3p-miR	2	-	17910478	17910500	AGTAATGTGAAATACCCAGCAGA	924
TJU_CMC.ID00924.5p-miR	2	+	17963791	17963812	GTCTCTTTTGAGGGGCAAAAAT	925
TJU_CMC.ID00925.3p-miR	2	+	18422103	18422122	CTCCAGTTTTCCCAAGAAGC	926
TJU_CMC.ID00926.3p-miR	2	+	18739394	18739414	AGCAGCTGTTAGCAGTTGCTG	927
TJU_CMC.ID00927.5p-miR	2	-	18828421	18828443	ATAAAGTAGTGACACTGTTTTCA	928
TJU_CMC.ID00928.5p-miR	2	+	19099781	19099801	AATGACACATGTTGCCATGCC	929
TJU_CMC.ID00929.5p-miR	2	+	19616673	19616694	TAGCAGCCATGCTTCATTGCAC	930
TJU_CMC.ID00930.3p-miR	2	-	19663246	19663265	ACTCCATCATCTAACTACGC	931
TJU_CMC.ID00931.3p-miR	2	-	19926409	19926430	TCCCTGACTCGGGCCAGGTGTC	932
TJU_CMC.ID00932.3p-miR	2	+	21795921	21795942	ATGCAAAGTGAGTTTATGTTTG	933
TJU_CMC.ID00933.3p-miR	2	-	21942647	21942667	CAGCTGTCTGAGCTGATGTGT	934
TJU_CMC.ID00934.3p-miR	2	+	22100745	22100764	AGTGTAGTTATGTGGAAGAA	935
TJU_CMC.ID00935.3p-miR	2	+	22706191	22706212	AAATGGAATGCTGGCATAGACT	936
TJU_CMC.ID00936.3p-miR	2	-	22901020	22901039	TGAGTTCATAGTTTTGCTTG	937
TJU_CMC.ID00937.5p-miR	2	+	23078748	23078767	GGCCAACAGCGCGGTATTGC	938
TJU_CMC.ID00938.5p-miR	2	+	23120373	23120394	TAGCACCATTCAGGGCAGACAT	939
TJU_CMC.ID00939.3p-miR	2	+	23812924	23812944	CCCAGTGTTCAGACACCTCAC	940
TJU_CMC.ID00940.5p-miR	2	+	23819734	23819754	TCATGGCACTCATGTAAGTGC	941
TJU_CMC.ID00941.5p-miR	2	-	24303857	24303879	TGTGCTAATCCATGCAGGACTGA	942
TJU_CMC.ID00942.5p-miR	2	+	24424391	24424412	TAGAGGTTGTCTGACTCTGGTC	943
TJU_CMC.ID00943.5p-miR	2	-	24651386	24651407	TAGCACCTATCATGTAGCAGGC	944
TJU_CMC.ID00944.3p-miR	2	+	25075744	25075764	GGGCTGTGGACTCAGCATCAC	945
TJU_CMC.ID00945.3p-miR	2	+	25142693	25142713	CCCGCCGTCAGGCCCGGGATC	946
TJU_CMC.ID00946.3p-miR	2	+	25419007	25419028	CAGCCATAGGAGTCAGTACCAG	947
TJU_CMC.ID00947.3p-miR	2	-	25477890	25477911	CTAGGCTTCCTTTTGCTTGTTG	948
TJU_CMC.ID00948.5p-miR	2	+	27140470	27140491	TCATCAGAGAAAGGGCCAAGTG	949
TJU_CMC.ID00949.5p-miR	2	+	27273895	27273918	TGTGGTAACGTGTTTTAGAATGTT	950
TJU_CMC.ID00950.3p-miR	2	-	27300353	27300375	ATGAGGGTGGGGGTGAGGTAAAT	951
TJU_CMC.ID00951.3p-miR	2	-	27502944	27502964	AAACCGTTACCTTGCAGTTAC	952
TJU_CMC.ID00952.3p-miR	2	-	27752064	27752086	CCCAGTGTTTTCTGATAGTAGTT	953
TJU_CMC.ID00953.3p-miR	2	+	27819822	27819842	TAGCTTGCTGAACTGACATTG	954

Table 1. Novel miRNA sequences

TJU_CMC.ID00954.3p-miR	2	-	27995737	27995756	TAGCTCAGTTCAGCAGGAGG	955
TJU_CMC.ID00955.3p-miR	2	-	28220699	28220720	AACTGCAATGGTTTATACTCAA	956
TJU_CMC.ID00956.5p-miR	2	-	28304364	28304385	TCAGTGGTGATGTCTACAATGT	957
TJU_CMC.ID00957.3p-miR	2	-	28746719	28746742	CTGGGCCCAAGCAAAGGGGGCACC	958
TJU_CMC.ID00958.3p-miR	2	-	28933040	28933059	TGGCTCAGTTCAGCACCAAT	959
TJU_CMC.ID00959.3p-miR	2	-	29700618	29700638	TCCCCACATTTCTTGTTGCCC	960
TJU_CMC.ID00960.3p-miR	2	-	29868457	29868476	CCATTCCACCAAGTCACCAT	961
TJU_CMC.ID00961.5p-miR	2	+	31297069	31297091	GCAAAGCACACGGCCTGCAGAGT	962
TJU_CMC.ID00962.3p-miR	2	-	31486866	31486888	ACAGCAGGCACAGGCAGGCAGGT	963
TJU_CMC.ID00963.3p-miR	2	-	31489715	31489737	AGCTGCAAACATGGGCGTCATGG	964
TJU_CMC.ID00964.3p-miR	2	-	31840698	31840717	ATCACATTGCCAGGCTGGAA	965
TJU_CMC.ID00965.5p-miR	2	+	32857856	32857875	GTTATTTGCTAGAGTTGGAT	966
TJU_CMC.ID00966.5p-miR	2	-	33048180	33048201	GATGATGCCAGGTGAAATGCCT	967
TJU_CMC.ID00967.5p-miR	2	-	33075770	33075791	ATCACATCATTGAAGATCTTTG	968
TJU_CMC.ID00968.3p-miR	2	-	33302228	33302248	TAGCACTGCCCAGGTTGTCAG	969
TJU_CMC.ID00969.5p-miR	2	+	34000606	34000625	CCCGCCCACGCCCCGCTCGA	970
TJU_CMC.ID00970.5p-miR	2	+	34133277	34133300	GTGCAATGATGATGATCTGAGCCA	971
TJU_CMC.ID00971.3p-miR	2	-	34491743	34491765	AGCAGCATGGGCCAGGGCAATGA	972
TJU_CMC.ID00972.3p-miR	2	+	35868431	35868452	GTTTGCAGGATGTCTGCTAGAG	973
TJU_CMC.ID00973.3p-miR	2	-	38722016	38722037	AAGCTTGCTGAGTACTACCCAA	974
TJU_CMC.ID00974.5p-miR	2	-	39297668	39297690	TGGGGTTATCCATGCAGGTGACT	975
TJU_CMC.ID00975.5p-miR	2	+	39430094	39430115	TGGCAGTGTCTTGTAGTACCAC	976
TJU_CMC.ID00976.5p-miR	2	+	39532485	39532506	ACAGTACAGTGGTTTAGTTTTG	977
TJU_CMC.ID00977.5p-miR	2	+	40181058	40181077	TAGAGTTGCCCAGGGTTGAC	978
TJU_CMC.ID00978.3p-miR	2	+	40938434	40938454	CCCCTGTTAGTCTGATGGACA	979
TJU_CMC.ID00979.3p-miR	2	+	41269006	41269027	TCAGTAGTCACTGGTATGGGGC	980
TJU_CMC.ID00980.3p-miR	2	-	41474055	41474075	TGAGGGGCAGAGAGAGAGAAA	981
TJU_CMC.ID00981.3p-miR	2	+	41903892	41903912	TTAGCGTCCTACAGTGCAAAA	982
TJU_CMC.ID00982.3p-miR	2	-	42012280	42012300	AGCAGCATGGTACAGGGAGGA	983
TJU_CMC.ID00983.3p-miR	2	-	42296061	42296082	TGCTGACTTGACAAAATGGGGT	984
TJU_CMC.ID00984.3p-miR	2	-	42611267	42611288	TCTATTTATCTGACCGATTGGC	985

Table 1. Novel miRNA sequences

TJU_CMC.ID00985.5p-miR	2	+	42939225	42939246	TGTCATAGTCAGTTTATGGGAT	986
TJU_CMC.ID00986.3p-miR	2	+	43018360	43018380	GAGACTGCCTTGTGAAGACGA	987
TJU_CMC.ID00987.5p-miR	2	+	43092431	43092450	CGAGAAGCTGAATTGACAAT	988
TJU_CMC.ID00988.3p-miR	2	-	43234396	43234417	TCTGAATAGTCTGACTCCACAG	989
TJU_CMC.ID00989.3p-miR	2	-	44253390	44253410	GTCCAGTTTTCCTGAGAGTCC	990
TJU_CMC.ID00990.5p-miR	2	-	44792009	44792031	TATATGTAATGACACTACCAAGT	991
TJU_CMC.ID00991.5p-miR	2	-	44980876	44980895	TGAGATGAAGCACTCTGGCA	992
TJU_CMC.ID00992.3p-miR	2	-	44992593	44992613	TCTGTGAAATGCCTCTTTAGG	993
TJU_CMC.ID00993.3p-miR	2	+	45055569	45055588	CTGACCTTAAGGCCAGTATT	994
TJU_CMC.ID00994.5p-miR	2	+	45057073	45057093	CCAACCTTGATCACTGTAGGA	995
TJU_CMC.ID00995.5p-miR	2	+	45446564	45446583	GTCCTCTTTACAGTGAACCA	996
TJU_CMC.ID00996.3p-miR	2	+	45464240	45464263	AGTATTGAAAATACTAGAGATCGG	997
TJU_CMC.ID00997.3p-miR	2	+	45768524	45768546	CAGCATGGCAGGCAGGAGGGCAT	998
TJU_CMC.ID00998.3p-miR	2	+	45879915	45879934	GCGTGGTGGGCTGGCTGTGT	999
TJU_CMC.ID00999.5p-miR	2	-	46076392	46076411	CCCAGACTTGACCAAACTTG	1000
TJU_CMC.ID01000.5p-miR	2	-	46362193	46362212	TACCTGGTTGATCCCGCCAA	1001
TJU_CMC.ID01001.3p-miR	2	+	46386499	46386519	AGTACCTCGTAGGGCATTAGG	1002
TJU_CMC.ID01002.3p-miR	2	-	46788288	46788308	CATATATATCAAAGGTGTATA	1003
TJU_CMC.ID01003.3p-miR	2	+	47096395	47096417	TGCAGACTCCTGAGTCCTCACTG	1004
TJU_CMC.ID01004.3p-miR	2	+	47257684	47257705	GCAGTGTTTCCTAAATATAAAC	1005
TJU_CMC.ID01005.5p-miR	2	-	47561472	47561491	GATGTATTTGTATGACCAAA	1006
TJU_CMC.ID01006.5p-miR	2	-	47821879	47821900	TGTCAGTTGTGGTTTATGGTCA	1007
TJU_CMC.ID01007.3p-miR	2	-	48091098	48091119	TATTGATTTGTCTTTATGGGGT	1008
TJU_CMC.ID01008.5p-miR	2	+	48133181	48133200	CCGCTTGGGGATCCCGAGGC	1009
TJU_CMC.ID01009.3p-miR	2	-	48177974	48177993	TCCCTATCTACTATCTAAAA	1010
TJU_CMC.ID01010.5p-miR	2	+	48254272	48254293	TAGGCATAGTCTGACTGCAATT	1011
TJU_CMC.ID01011.3p-miR	2	+	48321122	48321141	CAGCTCATTAGGTCAGCCAG	1012
TJU_CMC.ID01012.3p-miR	2	+	48586307	48586328	TGTCAGTGGTGATTTATAGGAT	1013
TJU_CMC.ID01013.5p-miR	2	-	48619258	48619281	AGTTTGTGACCTTATTGCAGTGAC	1014
TJU_CMC.ID01014.3p-miR	2	+	49465667	49465687	AGAGGTGGTTTCCAGCAACTG	1015
TJU_CMC.ID01015.5p-miR	2	-	50844825	50844845	TTCACAGTGGCTAAACTCATA	1016

Table 1. Novel miRNA sequences

TJU_CMC.ID01016.3p-miR	2	+	50961072	50961092	GAGGTATAGTTCTGAGATGTT	1017
TJU_CMC.ID01017.5p-miR	2	+	52363454	52363475	GCATGCTGAGAAAGCGGAGGTT	1018
TJU_CMC.ID01018.3p-miR	2	-	53435994	53436016	CCTGGAAAAAAGAAGAAGATCAT	1019
TJU_CMC.ID01019.3p-miR	2	-	54344470	54344491	CATTGCACTTGCTCCAGTCTGG	1020
TJU_CMC.ID01020.3p-miR	2	-	54614885	54614905	AACCAGCTTTGGTTTTGGCAC	1021
TJU_CMC.ID01021.5p-miR	2	+	54615142	54615163	GTCTGACCCAGAAATACCCCAG	1022
TJU_CMC.ID01022.3p-miR	2	+	55165107	55165128	AATCCCACTTCTGACACCAATC	1023
TJU_CMC.ID01023.5p-miR	2	+	55280532	55280554	TAGCTTATCAGACGGGCACCGTG	1024
TJU_CMC.ID01024.3p-miR	2	+	55386739	55386759	CAGCAGCAATTCATGAATTCT	1025
TJU_CMC.ID01025.5p-miR	2	-	55387979	55388002	GCCGAATGATGATGATGACTGACA	1026
TJU_CMC.ID01026.5p-miR	2	+	55717416	55717436	GTTTGACCCCTTTGAAGGTGT	1027
TJU_CMC.ID01027.3p-miR	2	-	56210119	56210140	CATCAGTTCCTAATGCATTGCC	1028
TJU_CMC.ID01028.3p-miR	2	-	56993926	56993945	CCTCCTAATATTTTTCTAGG	1029
TJU_CMC.ID01029.5p-miR	2	-	58832003	58832023	CGAGTCCAGTTTTTGAGTGGT	1030
TJU_CMC.ID01030.3p-miR	2	+	58899766	58899787	TGATTTGGTTTCCATCAACTAC	1031
TJU_CMC.ID01031.3p-miR	2	+	59021961	59021980	TAGTCAGTGAGTTGCCACTG	1032
TJU_CMC.ID01032.3p-miR	2	-	59196163	59196184	GTAGCTGAGCTAAAATCCAAAC	1033
TJU_CMC.ID01033.5p-miR	2	-	59778696	59778718	TATCTGTAACAGTGTGCAAAACA	1034
TJU_CMC.ID01034.3p-miR	2	+	60542335	60542354	TATGATGCACATGTCAATCA	1035
TJU_CMC.ID01035.3p-miR	2	+	61528222	61528244	AGGCAAGATGCTGGCAGCTGAAC	1036
TJU_CMC.ID01036.3p-miR	2	+	61634556	61634575	GGTTCTAATAATACTTGTAC	1037
TJU_CMC.ID01037.5p-miR	2	+	62386352	62386373	GCGTCAGAGGGGACCAGGTGTC	1038
TJU_CMC.ID01038.3p-miR	2	-	62450114	62450134	TTCAAGTAATTCAGGATGTGA	1039
TJU_CMC.ID01039.3p-miR	2	-	62697980	62697999	AGTTAAATAAGGGTGTTGGT	1040
TJU_CMC.ID01040.5p-miR	2	+	62908566	62908588	TACATGTAAGATAGCATGACTGA	1041
TJU_CMC.ID01041.3p-miR	2	-	62924730	62924753	TCCCTGTCCTCCTGGAGCTCATAT	1042
TJU_CMC.ID01042.3p-miR	2	+	63253983	63254004	CTAAGTCCCAATGGCATACACA	1043
TJU_CMC.ID01043.5p-miR	2	-	63493285	63493307	TCCATGTATAATTGCACTGGCTA	1044
TJU_CMC.ID01044.5p-miR	2	+	63563544	63563563	AAAGCGAACATCCTTATTTT	1045

Table 1. Novel miRNA sequences

TJU_CMC.ID01045.3p-miR	2	-	64185784	64185805	CGATCATAGCTCAACTATAGCC	1046
TJU_CMC.ID01046.3p-miR	2	-	64218733	64218754	TAGCAGCAGCATTTGGCCATGT	1047
TJU_CMC.ID01047.5p-miR	2	-	64551383	64551406	CATGGTAACTACTTAGTTCAAGGC	1048
TJU_CMC.ID01048.3p-miR	2	+	64682737	64682757	TGGGCACATTAAAGGTGGCAT	1049
TJU_CMC.ID01049.3p-miR	2	+	64743366	64743389	TCCCTGTCCTCCAGGAGCTTGTAG	1050
TJU_CMC.ID01050.5p-miR	2	-	64821458	64821479	CAGCCACTGCTATTGTATAGTT	1051
TJU_CMC.ID01051.5p-miR	2	+	64824158	64824179	TTGACCAGTAAAACATCCAGTG	1052
TJU_CMC.ID01052.3p-miR	2	-	64879481	64879503	GAGAGCGTCTGGGCTGCTTGGCC	1053
TJU_CMC.ID01053.5p-miR	2	-	65064392	65064413	GGAGCCCTGGCAGGCCAGCGAC	1054
TJU_CMC.ID01054.5p-miR	2	-	65750156	65750175	CTAATATTTTTTTAACACTG	1055
TJU_CMC.ID01055.5p-miR	2	-	66768934	66768955	CCTGAATGCATAGTAGTTGAGT	1056
TJU_CMC.ID01056.3p-miR	2	+	66877533	66877552	AACATAGTTCTGAGATGAGA	1057
TJU_CMC.ID01057.3p-miR	2	-	67276550	67276569	GTCCAGTTTTCCCAGGGCCA	1058
TJU_CMC.ID01058.3p-miR	2	+	68553192	68553213	CAGTCATAGTCTGTGATATTGA	1059
TJU_CMC.ID01059.5p-miR	2	-	68668492	68668511	TATATTCTGTTGACATAGCA	1060
TJU_CMC.ID01060.3p-miR	2	+	69003943	69003962	GCCAGAACAAAATCCCGAGA	1061
TJU_CMC.ID01061.3p-miR	2	-	69024730	69024750	GGGATGAACCCTTGCGGCCCG	1062
TJU_CMC.ID01062.3p-miR	2	-	69296610	69296632	TAACACTGTCTGGGAACCTATGG	1063
TJU_CMC.ID01063.5p-miR	2	+	69402675	69402696	AAGCCCAGAAGCTGGAAACTGC	1064
TJU_CMC.ID01064.3p-miR	2	-	69414133	69414152	TGAGTCTTTCCAATACCTGC	1065
TJU_CMC.ID01065.5p-miR	2	-	69489450	69489469	ATTCGTGATGGGGTAGCCCC	1066
TJU_CMC.ID01066.3p-miR	2	+	69614404	69614427	CTCGGCGCGCAGCGCGCCGCCGCC	1067
TJU_CMC.ID01067.5p-miR	2	+	69701675	69701694	TTTTAATCTAGGAAGCCAAG	1068
TJU_CMC.ID01068.5p-miR	2	-	71074356	71074375	CTGAAACGGATTGCCTAGGT	1069
TJU_CMC.ID01069.3p-miR	2	-	71565800	71565821	ACCCCGAGTGTTACAGCCCCCC	1070
TJU_CMC.ID01070.3p-miR	2	-	71784349	71784369	TAGAGCTCCTACAGTGCTCAC	1071
TJU_CMC.ID01071.3p-miR	2	-	72078559	72078578	CACCACGTTCCCGTAGGTCT	1072
TJU_CMC.ID01072.5p-miR	2	-	72082073	72082092	CCAGGAACCATTTTAGGTGC	1073
TJU_CMC.ID01073.3p-miR	2	+	72215005	72215026	ATACACGTGCCAGGGAAATGGA	1074
TJU_CMC.ID01074.5p-miR	2	+	72419813	72419834	CACTGACAGTGACCATACCCCT	1075
TJU_CMC.ID01075.5p-miR	2	-	72846070	72846090	AATTCCTAAATCAGTTCCTGT	1076

Table 1. Novel miRNA sequences

TJU_CMC.ID01076.3p-miR	2	-	73714466	73714488	ACCAGTGCCAGCACTGGAGCTGC	1077
TJU_CMC.ID01077.5p-miR	2	-	73845597	73845616	TCCCCAGTACCTCCACTCCA	1078
TJU_CMC.ID01078.3p-miR	2	-	74290504	74290523	TGGATAATCACATGGTGGTG	1079
TJU_CMC.ID01079.5p-miR	2	+	74445806	74445827	AAGTCATAGTCTGACTCCATCT	1080
TJU_CMC.ID01080.3p-miR	2	+	74467610	74467631	CAGTGCACATGGCCCCTTGCAT	1081
TJU_CMC.ID01081.5p-miR	2	+	74725367	74725389	TGCGCGGTGAACGCAGTGCGTGA	1082
TJU_CMC.ID01083.3p-miR	2	-	74824491	74824510	CTGTTCATTGTGTCTGCCTT	1083
TJU_CMC.ID01084.5p-miR	2	+	75456190	75456210	ATCCAACTCCTGACACCATTT	1084
TJU_CMC.ID01085.3p-miR	2	-	75538046	75538067	ACTGTATTATTGAATCTTCTGG	1085
TJU_CMC.ID01086.5p-miR	2	-	75708693	75708714	TCTTTCCTCAAAGCTGAACACT	1086
TJU_CMC.ID01087.5p-miR	2	+	75855414	75855435	TACTAAGGATGCATTTGACAAC	1087
TJU_CMC.ID01088.3p-miR	2	+	76007681	76007702	TAGCTTATAGGATGTGAGGATC	1088
TJU_CMC.ID01089.3p-miR	2	-	76427126	76427145	AACCATAACATAGCACGAAA	1089
TJU_CMC.ID01090.3p-miR	2	-	76625019	76625038	AGATATCCACGCTGACCTTT	1090
TJU_CMC.ID01091.3p-miR	2	-	76938651	76938671	AGATTTGGTTTGGTGCAACTG	1091
TJU_CMC.ID01092.5p-miR	2	+	77877959	77877978	CTCCATGATGAACACTTCTT	1092
TJU_CMC.ID01093.3p-miR	2	+	78074594	78074613	CCAGAAACATTATATCAAAA	1093
TJU_CMC.ID01094.5p-miR	2	+	78286813	78286832	TCCCTGCCCTGCTAATAGCA	1094
TJU_CMC.ID01095.5p-miR	2	+	78753741	78753762	TCCCTGGAGTTCTAATAACATG	1095
TJU_CMC.ID01096.3p-miR	2	+	78903588	78903609	TGAGTCAAATAGTTTTCAAAAC	1096
TJU_CMC.ID01097.3p-miR	2	-	78959859	78959881	GAGCTTATTCAGTTTATGGGGAC	1097
TJU_CMC.ID01098.5p-miR	2	+	79041726	79041745	CTTGAAGCACAAAAACCAGA	1098
TJU_CMC.ID01099.3p-miR	2	-	79230174	79230195	CTGACATGTCCACTCCTGGGTC	1099
TJU_CMC.ID01100.3p-miR	2	+	79285246	79285268	ATACTATAGTGATGTCTGAATCA	1100
TJU_CMC.ID01101.5p-miR	2	-	79859874	79859894	ATATTTTCCAGGGGCCATTTT	1101
TJU_CMC.ID01102.5p-miR	2	+	79862075	79862094	GTCATCAGAGGCTATTCGAT	1102
TJU_CMC.ID01103.5p-miR	2	+	80250544	80250564	CTGACCAAGGGGCCAGTGATT	1103
TJU_CMC.ID01104.3p-miR	2	+	80517245	80517265	AGGATTGTTTTCTGAATTTTA	1104
TJU_CMC.ID01105.3p-miR	2	+	80815920	80815941	TGTAGACACCTTCACTTACACT	1105
TJU_CMC.ID01106.3p-miR	2	+	80913273	80913292	TGCTTCAGAGGCTATTGTGA	1106
TJU_CMC.ID01107.3p-miR	2	+	81142550	81142572	GTCCAGTTTTCCCAGTACCATTC	1107

Table 1. Novel miRNA sequences

TJU_CMC.ID01108.5p-miR	2	+	81710910	81710931	TAAAGTTAGGGTTTTTTTTTGA	1108
TJU_CMC.ID01109.5p-miR	2	-	82095080	82095102	TAAATTTCCTTGTGTAAGCATAT	1109
TJU_CMC.ID01110.5p-miR	2	+	82104004	82104026	CTAGTCAGGTGCAAATATGGGTA	1110
TJU_CMC.ID01111.3p-miR	2	-	82308580	82308602	TGGCTTATCATCACAGCATTTGT	1111
TJU_CMC.ID01112.5p-miR	2	-	82738126	82738147	GGATGATGTGCTGCATGCTACA	1112
TJU_CMC.ID01113.5p-miR	2	-	83048056	83048078	CAAGCCTATCTGTTTATGGGGTT	1113
TJU_CMC.ID01114.5p-miR	2	-	83602270	83602292	TTTACAGTGGCTAAGCCTGACAT	1114
TJU_CMC.ID01115.5p-miR	2	-	84235004	84235024	GTAATAAGATAGATATGTTTT	1115
TJU_CMC.ID01116.3p-miR	2	+	84380833	84380854	GAGCTATAGTCTGACTGCACAA	1116
TJU_CMC.ID01117.5p-miR	2	+	84409713	84409734	TGAGATGAAAGTTCAGCTAGAG	1117
TJU_CMC.ID01118.5p-miR	2	+	84422673	84422695	TGTGCCTTAAAGTTTATGGGGTT	1118
TJU_CMC.ID01119.5p-miR	2	-	84769238	84769260	TAGCTGTGGTCCATGATGTTGAA	1119
TJU_CMC.ID01120.5p-miR	2	+	85450040	85450059	GGGCTCTGTTTCGAAATAGT	1120
TJU_CMC.ID01121.3p-miR	2	+	85488940	85488961	GCCACAGTGAGCCATGTTCGTG	1121
TJU_CMC.ID01122.3p-miR	2	-	85924708	85924729	GTAACTCTAGACTGATACCTCC	1122
TJU_CMC.ID01123.5p-miR	2	+	86362994	86363016	AGGCTGTGATGATTGGCGCAGGG	1123
TJU_CMC.ID01124.3p-miR	2	+	86709383	86709402	TATAGTTCTGAGCTGGGCCA	1124
TJU_CMC.ID01125.5p-miR	2	+	87014844	87014863	CTTTACTAATCCCTGAGCCA	1125
TJU_CMC.ID01126.3p-miR	2	+	88583723	88583742	GCGACCACTGTCTTTATAGA	1126
TJU_CMC.ID01127.3p-miR	2	+	91761900	91761921	GAGGACTCTGAAGCTTCCACAG	1127
TJU_CMC.ID01128.5p-miR	2	-	95525086	95525109	AAACATGTATATCTGATTTGTTCG	1128
TJU_CMC.ID01129.3p-miR	2	+	95605761	95605780	CTTTAAACCCTAATGTAGCT	1129
TJU_CMC.ID01130.5p-miR	2	-	95862307	95862326	TTCACAGTGGCTAACCTCTT	1130
TJU_CMC.ID01131.5p-miR	2	-	95950720	95950739	TCCTGCCGTAGCTTGTTGGT	1131
TJU_CMC.ID01132.3p-miR	2	-	96780848	96780869	GCTCCTGGGCAGGGGCGTGGGT	1132
TJU_CMC.ID01133.3p-miR	2	-	96783371	96783394	GGGGCCTTAGTCTGAAGTTTCTTT	1133
TJU_CMC.ID01134.5p-miR	2	+	96908986	96909007	GAAATGAGAAAAGGGCCAAGTG	1134
TJU_CMC.ID01135.3p-miR	2	-	97088429	97088450	TAGCTTATACTCAGTCTTAAGA	1135
TJU_CMC.ID01136.3p-miR	2	-	97246793	97246815	CTCCTCAATTCCCAGAGGAGGGA	1136
TJU_CMC.ID01137.5p-miR	2	-	97251785	97251804	TTCTTGGTAGATATGGTTTC	1137
TJU_CMC.ID01138.5p-miR	2	+	97450518	97450539	TCTCTCCTGGGAACATGGTCAC	1138

Table 1. Novel miRNA sequences

TJU_CMC.ID01139.5p-miR	2	+	97482253	97482272	CCCCGGAGGGGGCGGGCTGC	1139
TJU_CMC.ID01140.5p-miR	2	-	98369186	98369207	GTCCACAAAATTTGAATGCTTT	1140
TJU_CMC.ID01141.5p-miR	2	+	98499023	98499042	CCCTGGATACTTATCTGTGG	1141
TJU_CMC.ID01142.5p-miR	2	-	98962901	98962920	CCGCTCGCTCCCTCCCCCGC	1142
TJU_CMC.ID01143.3p-miR	2	-	98963553	98963572	CCCGGCCCTGCTCCCTCCAG	1143
TJU_CMC.ID01144.5p-miR	2	+	99087697	99087718	TGTCCTGACCTGAGTCCTGTGA	1144
TJU_CMC.ID01145.5p-miR	2	+	99130171	99130190	TCACCTTGGGCTTGGCCATT	1145
TJU_CMC.ID01146.3p-miR	2	-	99335573	99335592	CAAGCTAGCTCCCCACACTCT	1146
TJU_CMC.ID01147.5p-miR	2	-	99404512	99404533	ACAGCAGGCTGTCTCAGGCTGT	1147
TJU_CMC.ID01148.5p-miR	2	+	99510405	99510425	TTCACTGGGCATGGGCGTGGG	1148
TJU_CMC.ID01149.3p-miR	2	-	99648917	99648937	CACTGGATAGCCGGTCACTAC	1149
TJU_CMC.ID01150.5p-miR	2	+	100327320	100327342	AAATACACTCTGCCAACAGCAGA	1150
TJU_CMC.ID01151.5p-miR	2	+	100434742	100434761	ATAAGAGATACTCAAATCAT	1151
TJU_CMC.ID01152.5p-miR	2	+	100866106	100866127	TCTCAGTTTGGACAATAACCAC	1152
TJU_CMC.ID01153.3p-miR	2	+	101382040	101382059	TCTGGACGGTAATCTGCTCT	1153
TJU_CMC.ID01154.3p-miR	2	-	101382040	101382061	CAAGAGCAGATTACCGTCCAGA	1154
TJU_CMC.ID01155.3p-miR	2	+	101396146	101396165	CCCACGGCCCTGGCGGAGCT	1155
TJU_CMC.ID01156.5p-miR	2	-	101746599	101746620	AGCTGTGGGTTCAAGTACCCCA	1156
TJU_CMC.ID01157.5p-miR	2	-	101879073	101879095	GCTGTCAAATCCAGAATTAGAAG	1157
TJU_CMC.ID01158.5p-miR	2	-	101889487	101889508	GAGGAATGATGACAAGAAAAGG	1158
TJU_CMC.ID01159.3p-miR	2	-	102051570	102051590	AGCGGCTGTGCAGACGGCGGA	1159
TJU_CMC.ID01160.3p-miR	2	-	102122740	102122759	GGCGGGGGCCCACTGTATTCT	1160
TJU_CMC.ID01161.5p-miR	2	-	102143935	102143954	AGGCAAGATGCTGGAAGCTT	1161
TJU_CMC.ID01162.3p-miR	2	+	102238834	102238856	GATAGCGCTGATGTGATAGCAGA	1162
TJU_CMC.ID01163.5p-miR	2	+	102275880	102275901	TTTTTTATCTTTTACTTCTTTT	1163
TJU_CMC.ID01164.3p-miR	2	+	102280433	102280455	GAGGACATCATGTCTGCAGTGAG	1164
TJU_CMC.ID01165.5p-miR	2	-	102484558	102484577	CGCAGCTCGAATACAAGCTG	1165
TJU_CMC.ID01166.3p-miR	2	-	102984130	102984151	TCCTGTGGGTTCTTTATTTTTG	1166
TJU_CMC.ID01167.5p-miR	2	-	103049209	103049229	CCCAGCCAGGCTCCAGCACCT	1167
TJU_CMC.ID01168.5p-miR	2	+	103214415	103214436	TGAGTGCTGCTATTGTGCCATT	1168
TJU_CMC.ID01169.3p-miR	2	+	103361910	103361931	CCCTTCTCTCCCTCTCTTTCCA	1169

Table 1. Novel miRNA sequences

TJU_CMC.ID01170.5p-miR	2	+	103454659	103454680	CATTATTACTTTTGAGGGATAG	1170
TJU_CMC.ID01171.3p-miR	2	+	103534813	103534834	ACAGTGCCCATCAAATACCCCA	1171
TJU_CMC.ID01172.5p-miR	2	-	103593932	103593953	TGCATACGGCTTGAAATATATA	1172
TJU_CMC.ID01173.3p-miR	2	-	103914972	103914991	CTTGTAAGGTAGAAAGCACT	1173
TJU_CMC.ID01174.5p-miR	2	-	103919472	103919491	AAGGAATCTAGGAAGTTGGG	1174
TJU_CMC.ID01175.3p-miR	2	+	105128265	105128286	CATCAACAACATTTTATGGGGT	1175
TJU_CMC.ID01176.5p-miR	2	-	105904926	105904948	TAGCTGGCTGGCAACAACTGTGT	1176
TJU_CMC.ID01177.5p-miR	2	-	106088714	106088733	GGCAGAATGGCCGAGCGGCT	1177
TJU_CMC.ID01178.5p-miR	2	-	106219844	106219865	CAAAGTGCTGTTATGTAGTGGT	1178
TJU_CMC.ID01179.3p-miR	2	-	106241865	106241886	GCTCTGGGTAGTTTATGGCACC	1179
TJU_CMC.ID01180.5p-miR	2	-	106645480	106645502	TGCAGCATCTATGCTAGAAATGA	1180
TJU_CMC.ID01181.5p-miR	2	-	106718526	106718547	ATCTGATTTACGAAATACCCCA	1181
TJU_CMC.ID01182.5p-miR	2	-	107874386	107874405	CTAATATCAATTAGAATTTC	1182
TJU_CMC.ID01183.5p-miR	2	+	108126890	108126910	AAAGTATTACCATTACTGAAT	1183
TJU_CMC.ID01184.3p-miR	2	+	108174558	108174579	TCACACCTACCCTAACTTGTGA	1184
TJU_CMC.ID01185.3p-miR	2	-	108946752	108946774	AGAGGAGCACTTTTTTAGATTGA	1185
TJU_CMC.ID01186.3p-miR	2	-	108981239	108981260	GCAAATATCTAGGCTAGAATGT	1186
TJU_CMC.ID01187.3p-miR	2	+	110392138	110392157	GAGATAGTTTGCCTCCAACA	1187
TJU_CMC.ID01188.5p-miR	2	-	111483834	111483856	TGCTCTAAACAGTAATACCCCAA	1188
TJU_CMC.ID01189.5p-miR	2	-	112411765	112411787	AGTGAGTTAGGGTGGGATCGCTG	1189
TJU_CMC.ID01190.3p-miR	2	+	113651030	113651051	AGGGACTCTGTTAGGTCCACAG	1190
TJU_CMC.ID01191.5p-miR	2	+	114009651	114009672	TATCTTTTGCGGCTCTGCCCAG	1191
TJU_CMC.ID01192.5p-miR	2	+	114034665	114034684	CCCCGCCGCGCCGGGGAATG	1192
TJU_CMC.ID01193.5p-miR	2	-	114125305	114125324	TATTTAGCATTAGTTAATAG	1193
TJU_CMC.ID01194.3p-miR	2	+	114395515	114395534	CCTGGCAAGTAGAAAGCACT	1194
TJU_CMC.ID01195.3p-miR	2	+	114736924	114736944	CCGCCCCCGGGGAGCCCGGAT	1195
TJU_CMC.ID01196.5p-miR	2	+	114901774	114901796	GCTGACATCATCAGTGCAGGTGG	1196
TJU_CMC.ID01197.3p-miR	2	+	115511946	115511965	TCAGTTCGCAGGCATTGAGA	1197
TJU_CMC.ID01198.5p-miR	2	+	115638415	115638435	GCGGATGTGGTGGAATTGTAT	1198
TJU_CMC.ID01199.3p-miR	2	+	115799941	115799962	TCAAGTGAGTTTCGTGCCACAG	1199
TJU_CMC.ID01200.5p-miR	2	+	115972672	115972693	TACCTATATGGTAATGACTGTT	1200

Table 1. Novel miRNA sequences

TJU_CMC.ID01201.3p-miR	2	+	116638413	116638434	TGCTGACTTACTGAATACAAAG	1201
TJU_CMC.ID01202.3p-miR	2	+	116643870	116643892	TAGAGGAAACTTGGTATGGGGTG	1202
TJU_CMC.ID01203.3p-miR	2	+	116666017	116666036	ACTTCAATTAGGTATGAATC	1203
TJU_CMC.ID01204.3p-miR	2	+	116730684	116730706	GAACCCCTGATGTGTTCTGCTTA	1204
TJU_CMC.ID01205.3p-miR	2	-	117168224	117168246	TTGACTGAATCTGGCCGTTTCTA	1205
TJU_CMC.ID01206.5p-miR	2	-	117428355	117428375	CAATGCAATGAGAAAGGGCAT	1206
TJU_CMC.ID01207.3p-miR	2	-	117438810	117438831	ACAGTAACTCATGTGCCACTTA	1207
TJU_CMC.ID01208.3p-miR	2	-	118463843	118463865	AGTCAGTCCACTTTTATTGGGTG	1208
TJU_CMC.ID01209.3p-miR	2	+	118760094	118760115	TGAGGACAACAGTAATACCCCA	1209
TJU_CMC.ID01210.3p-miR	2	-	118795446	118795468	CAGTGCCATAGCGGGTGAGGGAA	1210
TJU_CMC.ID01211.3p-miR	2	+	118921844	118921866	TGAGATGACTTAAGGTATCTGGT	1211
TJU_CMC.ID01212.3p-miR	2	-	119199004	119199024	ACCTTGCTTGCCTTTCCTGAT	1212
TJU_CMC.ID01213.3p-miR	2	+	119250805	119250825	CTTTCCATAATGCAGATGACT	1213
TJU_CMC.ID01214.3p-miR	2	+	119335181	119335201	ATGTACCTCAGGGGCTTGTGC	1214
TJU_CMC.ID01215.3p-miR	2	-	119418254	119418275	ATCACAGGTAACTAAGCAGTTG	1215
TJU_CMC.ID01216.3p-miR	2	+	119420978	119420997	ATCACATTGCCAGCCTGGTC	1216
TJU_CMC.ID01217.3p-miR	2	-	119603506	119603527	GCCTAGTGATGTGTGTCTGAAA	1217
TJU_CMC.ID01218.3p-miR	2	-	119887248	119887270	TAGAGCGCTGACACAGCAGGATG	1218
TJU_CMC.ID01219.5p-miR	2	-	119916231	119916250	GGCAGCGCCGCGGAGCCAGC	1219
TJU_CMC.ID01220.3p-miR	2	-	119991865	119991885	CTGCACAAACCCTGGGACTGG	1220
TJU_CMC.ID01221.3p-miR	2	+	120155340	120155361	AGAGCACGGTGAGGCTGGGCCA	1221
TJU_CMC.ID01222.3p-miR	2	+	120325330	120325352	GTTAGACTACTGATGTTCACAGT	1222
TJU_CMC.ID01223.5p-miR	2	-	120476382	120476402	TAGAGCAGGAACAGTGCTGAC	1223
TJU_CMC.ID01224.3p-miR	2	-	120797470	120797491	GATCAGTAAGTCAGATACCCCA	1224
TJU_CMC.ID01225.3p-miR	2	+	121154187	121154208	TAGCACTGCTCTCAGCTTTGAC	1225
TJU_CMC.ID01226.5p-miR	2	+	121278323	121278345	TGTGCTTTTCACCAACGTTTCAT	1226
TJU_CMC.ID01227.3p-miR	2	-	121641389	121641410	ACTCTCCCACTCCCTACCCCCA	1227
TJU_CMC.ID01228.3p-miR	2	+	121708212	121708233	GAGATATTCCAAGATTTTAGTT	1228
TJU_CMC.ID01229.5p-miR	2	+	121722358	121722379	GGTCGAAAAGTGTTTGTGGGAC	1229
TJU_CMC.ID01230.5p-miR	2	+	121729621	121729643	CCCTCTGGCGCTGACGCAGGTAA	1230
TJU_CMC.ID01231.5p-miR	2	+	121829819	121829838	TCATCTTGTCATTTACCTCT	1231

Table 1. Novel miRNA sequences

TJU_CMC.ID01232.3p-miR	2	+	121951545	121951564	CCCGTCTCCGCCCCCCAAAG	1232
TJU_CMC.ID01233.3p-miR	2	-	122048508	122048527	CTTCCCTTCCATTGTACAAC	1233
TJU_CMC.ID01234.5p-miR	2	+	122215271	122215292	TGCGACAGACTTAGAGGTACAG	1234
TJU_CMC.ID01235.3p-miR	2	-	123289309	123289331	CGGTCCCCCGGCTCCCTCCTGCT	1235
TJU_CMC.ID01236.5p-miR	2	-	123290938	123290960	GTTGCCTTAGGGTTTCTATCTGA	1236
TJU_CMC.ID01237.5p-miR	2	+	123666682	123666704	TTCTGGTTTGAGTTTTGTTTTGG	1237
TJU_CMC.ID01238.3p-miR	2	+	124252868	124252889	TATGGCTCATTTGAGTGTGTTG	1238
TJU_CMC.ID01239.5p-miR	2	-	124600162	124600181	GGCTGGTCTAGCGGTAACAA	1239
TJU_CMC.ID01240.3p-miR	2	-	124628347	124628369	ACAGGCCAGATACACGGTGAATA	1240
TJU_CMC.ID01241.3p-miR	2	+	124796295	124796318	ACCATCCAGCCTGCCCTTCTTCTG	1241
TJU_CMC.ID01242.3p-miR	2	-	125549613	125549633	TTCAGAACCATCTTGTAGCCA	1242
TJU_CMC.ID01243.5p-miR	2	-	125670618	125670597	AACTGAGGCCATGATTAAGATT	1243
TJU_CMC.ID01244.5p-miR	2	-	127952261	127952240	CTGTTCAGCTGATTTGCAGACC	1244
TJU_CMC.ID01245.3p-miR	2	+	128161520	128161539	TAGGAGCACGTAGGAGCCAA	1245
TJU_CMC.ID01246.5p-miR	2	-	128230616	128230637	AGCCTGAGACAAGCTGATCACT	1246
TJU_CMC.ID01247.3p-miR	2	-	128386141	128386163	CGCGGCCCTCCCCCACCCCACCC	1247
TJU_CMC.ID01248.5p-miR	2	-	128458400	128458423	TGGCAACATCCTTGACTCCTTCGC	1248
TJU_CMC.ID01249.5p-miR	2	-	128785080	128785099	CCCCGCTCCCCGCCCCCTTC	1249
TJU_CMC.ID01250.5p-miR	2	+	129299036	129299057	TGAGGTCTGCAAAACGTATCAG	1250
TJU_CMC.ID01251.5p-miR	2	+	129512617	129512636	CTGCAATTCAACCCACATCC	1251
TJU_CMC.ID01252.5p-miR	2	+	129659198	129659221	CTGTGCAATGACGCCACTGAGGGC	1252
TJU_CMC.ID01253.5p-miR	2	-	130482926	130482946	CTTCAGGTAACCAGGAGGCAG	1253
TJU_CMC.ID01254.5p-miR	2	+	131106978	131106997	GGTATAGTGAGTCGCTGAGC	1254
TJU_CMC.ID01255.5p-miR	2	-	131800431	131800450	GAGTACCTGAAGGTCCATCA	1255
TJU_CMC.ID01256.3p-miR	2	+	131871436	131871458	TAGTGACCCCTTTGAAGACTTTC	1256
TJU_CMC.ID01257.5p-miR	2	+	131882178	131882199	TGAGGTAGTAGGATGTGCACAG	1257
TJU_CMC.ID01258.5p-miR	2	+	132096242	132096263	TTCTGACGGCTTGGGCAGAAGT	1258
TJU_CMC.ID01259.5p-miR	2	+	133393809	133393829	CGGTTCAGCTGTAAAAAAGAC	1259
TJU_CMC.ID01260.3p-miR	2	-	133485807	133485827	TGGCTCAGGGACTCCTTGCTC	1260
TJU_CMC.ID01261.3p-miR	2	-	133547938	133547959	TGTGCGTTAGGTGTACTGAGTA	1261
TJU_CMC.ID01262.3p-miR	2	+	133555345	133555364	AGCATATCTACCATGAAGTC	1262

Table 1. Novel miRNA sequences

TJU_CMC.ID01263.3p-miR	2	-	133583310	133583332	AGCATAAATCCATATGGCTAGCT	1263
TJU_CMC.ID01264.5p-miR	2	-	133764575	133764596	TCTGGATGTGCTGTGGTTTACA	1264
TJU_CMC.ID01265.5p-miR	2	+	133811829	133811848	TAGCAATATGATGGTATGTT	1265
TJU_CMC.ID01266.5p-miR	2	-	134479470	134479490	CCTGGTTCCTAGATGGTGGCT	1266
TJU_CMC.ID01267.5p-miR	2	-	134531994	134532013	CTCTGTGACAGCTGGAACCA	1267
TJU_CMC.ID01268.5p-miR	2	-	134602070	134602091	TGGGACTCTGGGAAACTGGACT	1268
TJU_CMC.ID01269.3p-miR	2	-	134620179	134620199	GTTTAGAGCCCCGGTGTATAA	1269
TJU_CMC.ID01270.5p-miR	2	-	134680599	134680620	TCTTCAGAGTTTCCTAACCTGT	1270
TJU_CMC.ID01271.3p-miR	2	-	135640563	135640584	TCAACACTTTGCTCCAACATAC	1271
TJU_CMC.ID01272.3p-miR	2	-	136628732	136628753	GTAGGTATTAGAAACATATCAA	1272
TJU_CMC.ID01273.3p-miR	2	-	136884435	136884456	CAGTTGGGTGACCCGCAGCACC	1273
TJU_CMC.ID01274.5p-miR	2	-	137005002	137005023	TCTCCACACTTCCAGCACACAGTG	1274
TJU_CMC.ID01275.3p-miR	2	+	137105438	137105461	AAAAATATATATAATAGATATAAA	1275
TJU_CMC.ID01276.5p-miR	2	+	137195292	137195312	CTCCAGGCTAGCTTTCCCTCA	1276
TJU_CMC.ID01277.3p-miR	2	-	137198471	137198491	AGGCAAGACATCAGCACAGCT	1277
TJU_CMC.ID01278.3p-miR	2	+	137494833	137494852	AGATTTACTGGTGGTGCAGG	1278
TJU_CMC.ID01279.5p-miR	2	+	137941622	137941642	GCATTGGTGGTTCTCACAGTT	1279
TJU_CMC.ID01280.5p-miR	2	+	139387987	139388007	TGAGATGAAGACAGTCTGAGT	1280
TJU_CMC.ID01281.5p-miR	2	-	140432717	140432736	GCACCTGCTGTGTGAATTAA	1281
TJU_CMC.ID01282.3p-miR	2	-	140460985	140461004	TAATATCTAGGAAGTTGGGA	1282
TJU_CMC.ID01283.5p-miR	2	-	140685258	140685277	AGAGTGACGTCTGGACAATT	1283
TJU_CMC.ID01284.5p-miR	2	-	140848503	140848524	GTCAGTTGTAGTTTATGTTGAT	1284
TJU_CMC.ID01285.5p-miR	2	+	141240883	141240904	GCTGCTTTCAGTTTATGGGGTA	1285
TJU_CMC.ID01286.3p-miR	2	-	141323948	141323968	GAACAACTTTAGCTCCAGCCC	1286
TJU_CMC.ID01287.3p-miR	2	+	141974238	141974260	GAGCTTACTCCTTGTACCAGTGT	1287
TJU_CMC.ID01288.3p-miR	2	-	142267104	142267125	TACCACCATTTAGGGCTACTTA	1288
TJU_CMC.ID01289.5p-miR	2	-	142353739	142353761	TGAGTCAAAGATGTATACCCTGG	1289
TJU_CMC.ID01290.5p-miR	2	-	143562732	143562755	GCCTTTCTATCAAATAGAATTTTT	1290
TJU_CMC.ID01291.3p-miR	2	-	143922297	143922318	ATGCAATGTAGTAATAATAATG	1291
TJU_CMC.ID01292.3p-miR	2	+	143942367	143942388	TGAGGTAGGCAGGACTACAGGT	1292
TJU_CMC.ID01293.5p-miR	2	+	144835902	144835922	TGAGATGAAATGTGTGCCAAC	1293

Table 1. Novel miRNA sequences

TJU_CMC.ID01294.5p-miR	2	+	144900835	144900856	AAAGGGATAAAGCAATTGGTTT	1294
TJU_CMC.ID01295.3p-miR	2	-	144993528	144993549	TAATTATTATTATTACTGAGTT	1295
TJU_CMC.ID01296.3p-miR	2	+	145037325	145037346	GGTATATACCATCGCTTTGTAA	1296
TJU_CMC.ID01297.3p-miR	2	-	145784428	145784449	AGGAATGGAAAGGTACTGAGTT	1297
TJU_CMC.ID01298.5p-miR	2	+	147288941	147288962	TTTAGAATTAGAAAGATAGAGG	1298
TJU_CMC.ID01299.5p-miR	2	+	148190839	148190860	TGGCTCTCTTCAGCAGACACAG	1299
TJU_CMC.ID01300.5p-miR	2	-	148357578	148357600	TTTAGACACCTGATCTTCACTCC	1300
TJU_CMC.ID01301.3p-miR	2	-	148455239	148455258	CCCCTGAGTAATGCCTAGGA	1301
TJU_CMC.ID01302.3p-miR	2	+	148797509	148797528	ATACTAGGCTATTGTCTAGT	1302
TJU_CMC.ID01303.3p-miR	2	-	149270914	149270914	TGTGCATTAGGTACGCTTGTA	1303
TJU_CMC.ID01304.5p-miR	2	+	149353651	149353674	TGGCAGTGGCTTAGCTGGTGGTTC	1304
TJU_CMC.ID01305.5p-miR	2	-	149580662	149580682	TGTCTTATTTAAGGGGAACGA	1305
TJU_CMC.ID01306.5p-miR	2	-	149639406	149639426	GAAACTGTTTAGACGGGCTCA	1306
TJU_CMC.ID01307.3p-miR	2	-	150270468	150270487	TTTGGCCAGTATCCCTAACT	1307
TJU_CMC.ID01308.3p-miR	2	+	151288592	151288612	TGATTAGCTGTCATATATACA	1308
TJU_CMC.ID01309.3p-miR	2	+	151568389	151568408	GGTGGTTGGATAGTTGGAGC	1309
TJU_CMC.ID01310.3p-miR	2	-	152352040	152352061	TCAGCTTTCAGTAGCAAACAAC	1310
TJU_CMC.ID01311.5p-miR	2	+	152655919	152655939	TAGACTACATATAAATTTGGT	1311
TJU_CMC.ID01312.5p-miR	2	-	152980931	152980950	TAGACATTGCCAGGGAAGCC	1312
TJU_CMC.ID01313.5p-miR	2	-	153574152	153574171	CTCCGTCCTCCTCCTCCCCC	1313
TJU_CMC.ID01314.5p-miR	2	-	153990817	153990837	GGACTCATTTCCAAAGCGAAA	1314
TJU_CMC.ID01315.5p-miR	2	+	154298888	154298909	CGATGTACATCAGGGATATTTG	1315
TJU_CMC.ID01316.3p-miR	2	+	154555591	154555611	TCCGGTCATGGAGGTGTGTGC	1316
TJU_CMC.ID01317.3p-miR	2	+	156195745	156195764	ATGACAGTGTAGCTAAGACA	1317
TJU_CMC.ID01318.3p-miR	2	-	156605130	156605151	TAGAGGCAGTCTGACCATGGTC	1318
TJU_CMC.ID01319.3p-miR	2	+	157670354	157670375	TGAGTACCGTGACCGTACCCAT	1319
TJU_CMC.ID01320.5p-miR	2	+	158516052	158516071	TACAAGTAACACAGATGGCC	1320
TJU_CMC.ID01321.5p-miR	2	+	158593099	158593119	GCGTTCAGGACTAAAATTCTA	1321
TJU_CMC.ID01322.3p-miR	2	+	158695283	158695305	ACATCTGGGGAGAACGCACAACC	1322
TJU_CMC.ID01323.3p-miR	2	+	159172254	159172273	ATGGACCAACTAGGAGCTGC	1323
TJU_CMC.ID01324.5p-miR	2	+	159828961	159828980	AGAGGTAGTAGGTTGCAGGT	1324

Table 1. Novel miRNA sequences

TJU_CMC.ID01325.5p-miR	2	-	159892691	159892712	TACCTGAGGTTTCCCAGGACAG	1325
TJU_CMC.ID01326.3p-miR	2	+	161761310	161761330	GTGATTCGCAGGCCAATGTTC	1326
TJU_CMC.ID01327.5p-miR	2	-	161809336	161809356	CAGCAGCAATGACGTATTTTT	1327
TJU_CMC.ID01328.5p-miR	2	+	162265627	162265647	TGAAAATAATTTACTAGGAAC	1328
TJU_CMC.ID01329.5p-miR	2	+	162284550	162284571	AAGCGCGTTGCGGCGGCGGGAG	1329
TJU_CMC.ID01330.3p-miR	2	-	162507972	162507994	CAACATGGCAAGCAGGGGGGCAT	1330
TJU_CMC.ID01331.3p-miR	2	+	162594770	162594789	ATCCCACTTCTGACACTGAC	1331
TJU_CMC.ID01332.5p-miR	2	+	162735720	162735742	ATCGAACAGTAGTTGCGTTTGTC	1332
TJU_CMC.ID01333.5p-miR	2	-	162927538	162927558	CAGGACACTTACAGTACAGGT	1333
TJU_CMC.ID01334.5p-miR	2	-	163191109	163191130	GCTCAGGATGCCATAGAATCAC	1334
TJU_CMC.ID01335.5p-miR	2	-	163207010	163207030	AATGGCAATGGTATAATGAGT	1335
TJU_CMC.ID01336.5p-miR	2	-	163252224	163252243	TAATTATTTCTTTTTAAAAC	1336
TJU_CMC.ID01337.3p-miR	2	-	163623285	163623306	GGAGAAGTAGCTCAGTTTCTGC	1337
TJU_CMC.ID01338.3p-miR	2	-	164977379	164977399	CGATGATGCGAAAGCAATATG	1338
TJU_CMC.ID01339.5p-miR	2	-	165237813	165237834	TAGCTTCAGTCTCTGATGTGAG	1339
TJU_CMC.ID01340.5p-miR	2	+	166302620	166302642	TAGCTTATCAAGGTGGCAAACTT	1340
TJU_CMC.ID01341.5p-miR	2	+	166542756	166542776	CACTGGATAAGGCCACTACCC	1341
TJU_CMC.ID01342.3p-miR	2	+	166728064	166728085	TGAGTCAGATTCATTATAGGTT	1342
TJU_CMC.ID01343.5p-miR	2	-	167271534	167271556	TCCTATTATATATTATTATTATC	1343
TJU_CMC.ID01344.5p-miR	2	+	168033484	168033505	CAAGCTGATTGTGAGGTTTCTC	1344
TJU_CMC.ID01345.5p-miR	2	-	168207231	168207252	GCGGAACATGTGGCTGCATTCA	1345
TJU_CMC.ID01346.5p-miR	2	+	168863424	168863444	CGAAGGTCGGCACACTAAAAG	1346
TJU_CMC.ID01347.3p-miR	2	+	169044641	169044662	TGGTTCAGCTGATTTATTCTAA	1347
TJU_CMC.ID01348.3p-miR	2	+	169185820	169185839	ATATAAGTGCCAGTATATGC	1348
TJU_CMC.ID01349.5p-miR	2	+	169370922	169370944	TACAAGTAATTCAGGATAGGGCC	1349
TJU_CMC.ID01350.3p-miR	2	-	169386192	169386213	TTCAGTAACTTGAACTAAAAAC	1350
TJU_CMC.ID01351.5p-miR	2	-	169706985	169707004	AGGCGTTCTGCTAGTCTGCA	1351
TJU_CMC.ID01352.5p-miR	2	+	169774037	169774059	CACTGGTGAATCAAATAAAATGT	1352
TJU_CMC.ID01353.3p-miR	2	-	169839235	169839257	AGCAGCAAACTATGAAGGCTGAG	1353
TJU_CMC.ID01354.5p-miR	2	-	170250026	170250046	CCCACGGGAATCTTTCGTTCA	1354
TJU_CMC.ID01355.5p-miR	2	-	170406035	170406055	CTGCAATGAGCTATATTACGC	1355

Table 1. Novel miRNA sequences

TJU_CMC.ID01356.3p-miR	2	+	170524439	170524459	AGCTACATTAGCTGCTAACAA	1356
TJU_CMC.ID01357.5p-miR	2	-	170575823	170575843	TGACCTATGGGCCAGTCAAGA	1357
TJU_CMC.ID01358.5p-miR	2	-	171126108	171126127	GCATGCCTATAGATGGATTC	1358
TJU_CMC.ID01359.5p-miR	2	+	171704494	171704515	CATCCACTTCCTTACTAGTCGA	1359
TJU_CMC.ID01360.5p-miR	2	+	171878102	171878122	TCTACATGCTCATTATGCATA	1360
TJU_CMC.ID01361.3p-miR	2	-	172652139	172652160	TGACACTGTCTGGTAGTGGCAA	1361
TJU_CMC.ID01362.5p-miR	2	-	172970626	172970645	GCTCCCCTTATTTACCCCCA	1362
TJU_CMC.ID01363.3p-miR	2	-	173116841	173116862	CCCAATGGCAACCATGACCACA	1363
TJU_CMC.ID01364.5p-miR	2	-	173242265	173242287	GTATCTGAGGCAGCAGGATGTCA	1364
TJU_CMC.ID01365.5p-miR	2	+	173472236	173472257	ACCCTGAGACAAGCCAACTGTC	1365
TJU_CMC.ID01366.5p-miR	2	+	173477850	173477870	GACCATGATGCAGAACTGAGT	1366
TJU_CMC.ID01367.3p-miR	2	-	173705725	173705745	GGACACTGTTAATTCAAGGCT	1367
TJU_CMC.ID01368.3p-miR	2	-	174075433	174075452	ATCTCCGCTGAGTCAGGGGG	1368
TJU_CMC.ID01369.3p-miR	2	+	174336749	174336768	CGCAGCTGCTATTGTTGCAT	1369
TJU_CMC.ID01370.3p-miR	2	-	174489991	174490010	CCATGCTGAGAATCTAACAC	1370
TJU_CMC.ID01371.3p-miR	2	+	174571361	174571382	CAGTCAAATGACAATACCAGTT	1371
TJU_CMC.ID01372.5p-miR	2	-	174613006	174613026	TCCCTGAGACCCTCCAGGTAG	1372
TJU_CMC.ID01373.3p-miR	2	-	174720268	174720289	AAATCATAGTTCTTGATGGGGT	1373
TJU_CMC.ID01374.3p-miR	2	-	174869949	174869968	TCTTGGATACCTGTGGTATC	1374
TJU_CMC.ID01375.3p-miR	2	-	174987214	174987236	TATACTATTGAGTCATACAAACA	1375
TJU_CMC.ID01376.3p-miR	2	+	175300928	175300948	AGGAGGACTCTGTTCAGGACT	1376
TJU_CMC.ID01377.5p-miR	2	+	176307578	176307597	TGAGAGTCCTACAGTCAGCT	1377
TJU_CMC.ID01378.5p-miR	2	-	176895139	176895158	CCCAATTTCATCTTTATGTC	1378
TJU_CMC.ID01379.3p-miR	2	+	177017930	177017951	CGAGTCATTAAACTTATGAAAA	1379
TJU_CMC.ID01380.3p-miR	2	+	177182566	177182588	CTGCTAGACTGGGGGAGGGCTAA	1380
TJU_CMC.ID01381.3p-miR	2	-	177821643	177821664	TTCTCATATGGTAGCAGTCTGG	1381
TJU_CMC.ID01382.5p-miR	2	-	177907122	177907143	TCCCTGGTGGTCTAGTGGTATT	1382
TJU_CMC.ID01383.5p-miR	2	-	178097192	178097213	TTCTGTTGCTCAGGTAGCCCCT	1383
TJU_CMC.ID01384.3p-miR	2	+	178590933	178590952	GTCCAGTTTTCCCAGGCCAG	1384
TJU_CMC.ID01385.3p-miR	2	-	178623753	178623772	TGAGATGAAGCACTTTGGCC	1385
TJU_CMC.ID01386.5p-miR	2	+	178731334	178731353	AAGACTTGAGGAATGTAGCT	1386

Table 1. Novel miRNA sequences

TJU_CMC.ID01387.3p-miR	2	-	178924379	178924400	TAGGACTCTGGGAAATAGGACA	1387
TJU_CMC.ID01388.5p-miR	2	+	178990317	178990337	GTCAGAACGGCTCTAGAGCTA	1388
TJU_CMC.ID01389.5p-miR	2	-	179090068	179090088	TCTCTTATACTCAGTCTGAGA	1389
TJU_CMC.ID01390.3p-miR	2	+	179141630	179141652	GCTAGGCAGGAGTCAGCAAACTG	1390
TJU_CMC.ID01391.5p-miR	2	-	179452159	179452178	AGACATGTATATCTGATTTT	1391
TJU_CMC.ID01392.3p-miR	2	-	179586577	179586599	GTGCTCAGCTCAGCTCAGTGTAA	1392
TJU_CMC.ID01393.3p-miR	2	-	180108717	180108736	TAGGATACAAGTGTACACCA	1393
TJU_CMC.ID01394.3p-miR	2	+	180206827	180206848	CAAGCCTTAGGGTGAAGCAGAG	1394
TJU_CMC.ID01395.3p-miR	2	-	181326208	181326228	CTCTGTCGCTGGCCAGTGATT	1395
TJU_CMC.ID01396.3p-miR	2	-	181458789	181458809	TAGCACCATCTGAGGCTTAGG	1396
TJU_CMC.ID01397.3p-miR	2	-	181547833	181547855	CAAATGTAGTACAGTGCAGAGAG	1397
TJU_CMC.ID01398.3p-miR	2	+	181771400	181771421	CACTTCAATAGCTTAGATTTGT	1398
TJU_CMC.ID01399.5p-miR	2	+	182155119	182155140	ATCACATGATTGAACTAACTGG	1399
TJU_CMC.ID01400.5p-miR	2	+	182495582	182495601	TTGTCGTATTGCCATATCAA	1400
TJU_CMC.ID01401.3p-miR	2	-	182661553	182661572	TCCTGTAAGAGATTATAAAA	1401
TJU_CMC.ID01402.3p-miR	2	+	182703106	182703127	TTCATCATTAAGTACTATCCAA	1402
TJU_CMC.ID01403.3p-miR	2	-	182732459	182732480	TCAAGTCCGATATGAGTTTGAT	1403
TJU_CMC.ID01404.5p-miR	2	+	182779031	182779052	TAGCTTGCTGAGTGTTATACTG	1404
TJU_CMC.ID01405.5p-miR	2	-	182819104	182819123	CTTCGCGGTGCTCTTAGACT	1405
TJU_CMC.ID01406.5p-miR	2	-	183086599	183086618	CTAAAAATAGAAAATGAAGA	1406
TJU_CMC.ID01407.3p-miR	2	-	183630228	183630250	GTAACTGGGGAAACTTCTGAGAA	1407
TJU_CMC.ID01408.5p-miR	2	-	183702406	183702427	TAGCTGTAGTCCAGTCCTGGTA	1408
TJU_CMC.ID01409.5p-miR	2	-	183931745	183931765	TTCCAGAAAGCCCAGGAAAGG	1409
TJU_CMC.ID01410.3p-miR	2	+	184353297	184353319	CAGCAGCAAGAGTACTTTTGAAT	1410
TJU_CMC.ID01411.3p-miR	2	-	184519562	184519583	CCTAATAGGGTCTAGTGGTATC	1411
TJU_CMC.ID01412.3p-miR	2	+	184890426	184890448	TTGCCCAGTTCAGCAGTCACAGA	1412
TJU_CMC.ID01413.3p-miR	2	-	185463475	185463497	GCATGCTCGCCGCGCTCTCCCCT	1413
TJU_CMC.ID01414.3p-miR	2	-	185686199	185686220	ATCCTGAATGGCATTGCGTAGA	1414
TJU_CMC.ID01415.5p-miR	2	+	186073217	186073238	AGGGACTCGTTTCAACTTGACT	1415
TJU_CMC.ID01416.3p-miR	2	-	186532492	186532515	TTAACCAGGCTATTGCTGCAACTA	1416
TJU_CMC.ID01417.3p-miR	2	+	186622708	186622729	CTGGGATTATTAGTTATGTTAC	1417

Table 1. Novel miRNA sequences

TJU_CMC.ID01418.3p-miR	2	-	186764485	186764508	CAGGCTAACTACAATCAAGGGCAT	1418
TJU_CMC.ID01419.3p-miR	2	-	186876507	186876528	CAGTGCAATAAATTTTCCTGTG	1419
TJU_CMC.ID01420.3p-miR	2	-	187833292	187833312	TCGTTGGCACAGTAAGAATGT	1420
TJU_CMC.ID01421.5p-miR	2	-	188351501	188351523	TAGCTTATCCAGTCTGCATTCTG	1421
TJU_CMC.ID01422.3p-miR	2	+	188801889	188801910	TCTCAGTAATCTGGAATAGGCT	1422
TJU_CMC.ID01423.5p-miR	2	-	189063469	189063490	TGACCTATGAAAACTGGATTAT	1423
TJU_CMC.ID01424.3p-miR	2	-	189980401	189980422	TCGAGGAGCTCACAGTCTCACA	1424
TJU_CMC.ID01425.3p-miR	2	+	191001351	191001372	TCTCCCCCAAAGGTATGCAGAG	1425
TJU_CMC.ID01426.5p-miR	2	+	191115326	191115345	AGGATAATCACATGCCCATG	1426
TJU_CMC.ID01427.5p-miR	2	+	191183781	191183803	CAGCTGCTACCTGGTATGACAGT	1427
TJU_CMC.ID01428.5p-miR	2	+	191426041	191426060	CAAATAATGAAAACTATGTG	1428
TJU_CMC.ID01429.5p-miR	2	-	191502102	191502124	TAGCTGTAGTTCTCAGCACCAGT	1429
TJU_CMC.ID01430.5p-miR	2	-	192503381	192503402	AGCTGATTGCAGAAAGCCCTTG	1430
TJU_CMC.ID01431.3p-miR	2	+	192590690	192590711	ATCCCTGCCCTTTGAAGGCTTT	1431
TJU_CMC.ID01432.5p-miR	2	+	193601735	193601756	ACAGCATTAATATTGTATGGCA	1432
TJU_CMC.ID01433.3p-miR	2	+	194137783	194137805	CCAGTTGGGAAGTTTATTTTGTT	1433
TJU_CMC.ID01434.5p-miR	2	-	194351321	194351341	TTGTTGCTGCTTGGTCTATCA	1434
TJU_CMC.ID01435.5p-miR	2	-	194609821	194609844	ATGCTCTTGAGGTTTTAATTTTGT	1435
TJU_CMC.ID01436.3p-miR	2	+	194622795	194622814	GCATCAGGTCAGAGGAACAG	1436
TJU_CMC.ID01437.3p-miR	2	-	194763324	194763345	AGACTGGGTAGTTTATAAACAC	1437
TJU_CMC.ID01438.5p-miR	2	-	194971002	194971021	AAAAAACAGTAGCCGGGCGT	1438
TJU_CMC.ID01439.3p-miR	2	+	195071807	195071827	TTGACCTATAGGCCAGTAGAT	1439
TJU_CMC.ID01440.3p-miR	2	+	195095926	195095945	TTTGGCCAGTAGAAAGCCCT	1440
TJU_CMC.ID01441.5p-miR	2	-	195848411	195848432	TGCTCACATGGGGGTAGGGCTG	1441
TJU_CMC.ID01442.3p-miR	2	-	196073471	196073491	AACATAGGAGAAATCTTGTGT	1442
TJU_CMC.ID01443.3p-miR	2	-	196368170	196368191	TTAGTCATTCAGTTTATGGTTG	1443
TJU_CMC.ID01444.3p-miR	2	-	197115117	197115138	ATAAAGGTTAATGTGTCGCTTT	1444
TJU_CMC.ID01445.5p-miR	2	+	197260651	197260670	CCCACGTTCATAGGAGCACT	1445
TJU_CMC.ID01446.5p-miR	2	+	197290422	197290441	GAGTTCCTTCTTATGGGTGA	1446
TJU_CMC.ID01447.3p-miR	2	+	197307817	197307836	TGATGTTGCTCAGGACTGAC	1447
TJU_CMC.ID01448.5p-miR	2	-	197352411	197352432	TGGTTAAATCCATGCAGTCTTT	1448

Table 1. Novel miRNA sequences

TJU_CMC.ID01449.3p-miR	2	+	197481389	197481410	CAAAGGTAGTGGATGTCACTCC	1449
TJU_CMC.ID01450.5p-miR	2	+	197824650	197824672	AGCAGCAGTTCAGTGAACTTTCT	1450
TJU_CMC.ID01451.3p-miR	2	-	199028117	199028137	AAGACAATGATAGGTGATACA	1451
TJU_CMC.ID01452.5p-miR	2	-	200450485	200450504	TCACTGTTGTAACACGAGAG	1452
TJU_CMC.ID01453.5p-miR	2	+	200891235	200891254	CTAGCTGCTAGTTAGCTTCA	1453
TJU_CMC.ID01454.5p-miR	2	-	200966740	200966761	AGCTACTAGTGAGCTGAACAGT	1454
TJU_CMC.ID01455.5p-miR	2	+	201267785	201267806	TGTCTCAAACTCAACGGAAGGA	1455
TJU_CMC.ID01456.5p-miR	2	+	201782615	201782634	TAGGGGGGGTTAAAAAAAAA	1456
TJU_CMC.ID01457.5p-miR	2	+	202245255	202245277	ACTGCTGAACCTCAGTCCTCCTT	1457
TJU_CMC.ID01458.3p-miR	2	+	202332768	202332789	TAGCTGTTCAGGATGATTGTGA	1458
TJU_CMC.ID01459.5p-miR	2	+	202526186	202526205	GAGAGCTGGGTTCAGAACGT	1459
TJU_CMC.ID01460.3p-miR	2	-	202542002	202542021	CATTCGCTGGAGTTTCCCCC	1460
TJU_CMC.ID01461.3p-miR	2	-	202555748	202555770	AGCAGCATCATCACTAATCTGGA	1461
TJU_CMC.ID01462.5p-miR	2	+	202755112	202755133	TCAAGTCTCAAAGGGCACCTTG	1462
TJU_CMC.ID01463.5p-miR	2	+	202801816	202801835	ACTACATCAGCTGCTCCATA	1463
TJU_CMC.ID01464.5p-miR	2	-	202889205	202889225	AGCTCCTCGAGTGAGTCTACT	1464
TJU_CMC.ID01465.3p-miR	2	-	203144822	203144841	TGAGAACTGAATTCCCAGGG	1465
TJU_CMC.ID01466.3p-miR	2	+	203157776	203157799	GTTCAATGATGATTTCTATTTGTT	1466
TJU_CMC.ID01467.5p-miR	2	+	203261257	203261277	TTGGGACATCTAGGCTTATCT	1467
TJU_CMC.ID01468.3p-miR	2	+	203262153	203262174	GTCTCTGGTTTCAATATTTTGT	1468
TJU_CMC.ID01469.5p-miR	2	-	203500321	203500344	GGCGGCGGCGGCGGCGGCCGTGGG	1469
TJU_CMC.ID01470.5p-miR	2	+	204046693	204046714	TAGCACCATTGTCCTGATGGCC	1470
TJU_CMC.ID01471.3p-miR	2	-	204448481	204448502	TCAGTAGTCTTACACGATTGGC	1471
TJU_CMC.ID01472.5p-miR	2	+	204724810	204724831	TGTCGTGGGTCAAATATGGGAC	1472
TJU_CMC.ID01473.3p-miR	2	-	204745926	204745947	AGTCCTCCCCAGTTTATGGGGT	1473
TJU_CMC.ID01474.3p-miR	2	-	204907222	204907241	TCAGATGAAGCACTGAAGTC	1474
TJU_CMC.ID01475.5p-miR	2	+	205257011	205257030	GTCCAGTTTTCCCAGCCACC	1475
TJU_CMC.ID01476.5p-miR	2	+	205274395	205274414	TAGTAATAGTCTGACTTAGA	1476
TJU_CMC.ID01477.3p-miR	2	+	205286525	205286544	ACACATGGTGCATGGTTGTC	1477
TJU_CMC.ID01478.3p-miR	2	+	205497186	205497206	TTTGGATGGGGTATTTGTGGT	1478
TJU_CMC.ID01479.3p-miR	2	-	205797582	205797601	GTGCCAATAACCTGACAAAC	1479

Table 1. Novel miRNA sequences

TJU_CMC.ID01480.3p-miR	2	+	206046151	206046173	TAAGAATAGTCTGAAGCAGGAGT	1480
TJU_CMC.ID01481.3p-miR	2	+	206251490	206251509	GTTCAGGTCCCTGTTTGATC	1481
TJU_CMC.ID01482.3p-miR	2	-	206275773	206275794	TCAGACATTGTCAAATACCCAC	1482
TJU_CMC.ID01483.3p-miR	2	+	206686746	206686768	GTCCACAAAAGGGTCCCAACGGA	1483
TJU_CMC.ID01484.3p-miR	2	+	207052954	207052975	AGCAGCATTAGGTCTTTAAATC	1484
TJU_CMC.ID01485.3p-miR	2	+	207352237	207352256	GTCCAGTTTTCCCAGAGCTG	1485
TJU_CMC.ID01486.3p-miR	2	-	207706719	207706741	TAGCACCATCCTCCCAGTTGTGA	1486
TJU_CMC.ID01487.5p-miR	2	+	208005403	208005422	CTTGGCCCTGCTCCCTACAT	1487
TJU_CMC.ID01488.5p-miR	2	-	208028511	208028532	GTCAGCCCACTGGTATGGAATC	1488
TJU_CMC.ID01489.3p-miR	2	+	208032145	208032164	AGAAACGCTTCACCTTAATC	1489
TJU_CMC.ID01490.3p-miR	2	-	208095486	208095506	CTCTTTAGGGAAGTACCAGTG	1490
TJU_CMC.ID01491.5p-miR	2	-	208442347	208442367	AGACGGACCTCTCTCTTTCGT	1491
TJU_CMC.ID01492.3p-miR	2	+	208635057	208635078	CTCAAGGAATCACTCTTAGGCG	1492
TJU_CMC.ID01493.5p-miR	2	-	208693305	208693326	CAGAACAGTAGATTGTGCCACC	1493
TJU_CMC.ID01494.3p-miR	2	-	208696809	208696828	CATCACCCCATGGGTGTTTG	1494
TJU_CMC.ID01495.5p-miR	2	+	209058022	209058041	TTGCTCTTGAATTCCTTAAT	1495
TJU_CMC.ID01496.5p-miR	2	+	209271503	209271524	TGCGAGTCAAGTCCAGGACTCG	1496
TJU_CMC.ID01497.3p-miR	2	+	209315143	209315164	GAGTCAAAGTCAAATGCCAACC	1497
TJU_CMC.ID01498.5p-miR	2	+	210074822	210074844	GAGCTGCGACTCTGAGCACACTG	1498
TJU_CMC.ID01499.5p-miR	2	-	210553604	210553625	GTTTTCAAAAGGGTCCTTGAAG	1499
TJU_CMC.ID01500.3p-miR	2	-	210617572	210617593	TGAGGTTCATCGTTTGTGTTGG	1500
TJU_CMC.ID01501.5p-miR	2	-	210997578	210997598	CCTACATAAATTCCTTCAGAA	1501
TJU_CMC.ID01502.5p-miR	2	+	211870337	211870356	ATAGGTTTGACTTCAATTAT	1502
TJU_CMC.ID01503.3p-miR	2	+	211962106	211962129	ATCACATTGTTGAAATAACAACAA	1503
TJU_CMC.ID01504.3p-miR	2	-	212083192	212083214	GTTTCTGATTCAGCAGGTGTGAG	1504
TJU_CMC.ID01505.5p-miR	2	+	212107748	212107769	CAAATTGCCAGACCATACCCCA	1505
TJU_CMC.ID01506.3p-miR	2	+	212229815	212229837	ATATTAGTGAAATAAACAGCAGA	1506
TJU_CMC.ID01507.5p-miR	2	+	212383809	212383830	GCCCTGAGTGGAGCTGAACCAG	1507
TJU_CMC.ID01508.5p-miR	2	-	212651429	212651450	CAGCTTATCAGACTGACTGGTC	1508
TJU_CMC.ID01509.5p-miR	2	-	212866303	212866322	ACTGTGGTAATGAGCTGTTA	1509
TJU_CMC.ID01510.5p-miR	2	+	213007190	213007209	TGTTAGGACCAGAAAGATCT	1510

Table 1. Novel miRNA sequences

TJU_CMC.ID01511.3p-miR	2	+	213094586	213094605	TGGATGGCGGTCCTATTAAA	1511
TJU_CMC.ID01512.3p-miR	2	-	213094581	213094603	TAATAGGACCGCCATCCAAAGAA	1512
TJU_CMC.ID01513.3p-miR	2	-	213152851	213152873	TGTCTCATGTCAGCAGGACACTC	1513
TJU_CMC.ID01514.3p-miR	2	-	213276454	213276475	TCTCAACCAAAGGTGCAAGGGA	1514
TJU_CMC.ID01515.3p-miR	2	+	213511650	213511673	TAAATTAGCTCTCAGTCTGAAGAG	1515
TJU_CMC.ID01516.3p-miR	2	-	213690368	213690388	TGAATCCTGTCTCCCGTTGGT	1516
TJU_CMC.ID01517.5p-miR	2	+	213921323	213921345	AGAACTGTGGAAACTGAATCCCA	1517
TJU_CMC.ID01518.3p-miR	2	+	214375349	214375370	TCGCGTTACACTGCCTACACTA	1518
TJU_CMC.ID01519.5p-miR	2	+	214980752	214980774	TGAGAGTACAGACCAGCACCCAC	1519
TJU_CMC.ID01520.3p-miR	2	-	215007474	215007495	TAATGTTGTTTGAAGCTACAAT	1520
TJU_CMC.ID01521.3p-miR	2	+	215888251	215888270	CTATTAGTATAAATGGTTGA	1521
TJU_CMC.ID01522.5p-miR	2	-	215896552	215896573	ACCTTATCTCCAAGCAGTCTGG	1522
TJU_CMC.ID01523.5p-miR	2	-	216787480	216787499	TCCGAGTCACGGCACCAGAT	1523
TJU_CMC.ID01524.3p-miR	2	+	217162072	217162093	TTCCAGTTTTCCCATTCCGATC	1524
TJU_CMC.ID01525.3p-miR	2	-	217447415	217447434	CCTCCCAAGGGAACATGGTC	1525
TJU_CMC.ID01526.3p-miR	2	+	217474148	217474170	TAGCTTATCAGCATGCTGGGTGT	1526
TJU_CMC.ID01527.5p-miR	2	-	217623990	217624009	CCTGTGACTTGCCACGTGGT	1527
TJU_CMC.ID01528.3p-miR	2	-	217776964	217776984	ATGACCTATGAATTTTACTCA	1528
TJU_CMC.ID01529.3p-miR	2	+	217801548	217801567	CTTCCATCAAGTGTACACTG	1529
TJU_CMC.ID01530.3p-miR	2	-	218046699	218046722	ATTTAAGAATGGTAAAGATTGGCT	1530
TJU_CMC.ID01531.5p-miR	2	-	218432932	218432951	GTCCAGTTTCTTTGGCTTAG	1531
TJU_CMC.ID01532.5p-miR	2	-	218477672	218477692	CCGCAGCAGGTCTCCAATATA	1532
TJU_CMC.ID01533.3p-miR	2	+	218517023	218517044	AAGCTGCCAGTTGAAAAGTCAC	1533
TJU_CMC.ID01534.5p-miR	2	-	218590121	218590143	CAGGAATAGTCTCGAGCAGGTCA	1534
TJU_CMC.ID01535.3p-miR	2	+	218825649	218825669	TCTCCTCGTGGAAAAAAGGAA	1535
TJU_CMC.ID01536.3p-miR	2	+	218973409	218973432	CCCCCCGAGTGTTACAGCTCTTAA	1536
TJU_CMC.ID01537.5p-miR	2	-	219377604	219377625	TGAGTATGTACTAAATATTCCA	1537
TJU_CMC.ID01538.3p-miR	2	+	219689401	219689421	GTGCCACTACCAGAACCCAAG	1538
TJU_CMC.ID01539.5p-miR	2	+	219726002	219726023	GGACGACCCAGGTCCTATCTAG	1539
TJU_CMC.ID01540.3p-miR	2	+	219786636	219786657	TAGCACCATTTCTTGGTGATGT	1540
TJU_CMC.ID01541.5p-miR	2	+	219824459	219824478	ACCGCCGGGTCCCCCGGGGC	1541

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TJU_CMC.ID01542.5p-miR	2	+	219867836	219867855	CGCTGGTCCCGGCGCCCTTA	1542
TJU_CMC.ID01543.3p-miR	2	+	220046741	220046760	ACCAGCAGAGCCTGCCAAGT	1543
TJU_CMC.ID01544.3p-miR	2	-	220159557	220159579	CCGCCCGCTCCAGACCCCACGCT	1544
TJU_CMC.ID01545.5p-miR	2	+	220317611	220317632	TGATCATAGTCTCGTGCTCCAG	1545
TJU_CMC.ID01546.3p-miR	2	+	220346399	220346418	CAAAGTGAGTCTAGTCTGCA	1546
TJU_CMC.ID01547.3p-miR	2	-	220387307	220387326	CGCGACCTCAGATCCCCAGC	1547
TJU_CMC.ID01548.3p-miR	2	+	220516027	220516048	AGGAATAATACATTACTGAGTT	1548
TJU_CMC.ID01549.5p-miR	2	+	220568277	220568298	TGAGGTGACTTCCCATGGCTGT	1549
TJU_CMC.ID01550.5p-miR	2	+	220781756	220781776	ACAGAACACTAATAACAGCTA	1550
TJU_CMC.ID01551.5p-miR	2	+	220856860	220856883	CCTGGCTTTGGGGGGTTTCTGTGG	1551
TJU_CMC.ID01552.3p-miR	2	+	221390773	221390794	TGTACTGGAACTTAATACCCCA	1552
TJU_CMC.ID01553.5p-miR	2	+	221433893	221433913	TTCTCAGTGGCTAAACCTTCA	1553
TJU_CMC.ID01554.5p-miR	2	-	221500754	221500776	AGCAGCATACAACAGGAACTATA	1554
TJU_CMC.ID01555.3p-miR	2	+	221796842	221796861	TATAGTTCTGAGCTGAGCTC	1555
TJU_CMC.ID01556.3p-miR	2	-	221878951	221878973	ATCATAGGGAGGTGAAGCTATCT	1556
TJU_CMC.ID01557.3p-miR	2	+	221884718	221884739	GACTAAAATCCTGGGCGTTTTC	1557
TJU_CMC.ID01558.5p-miR	2	-	222163969	222163988	GAGGGCCCCTGTAAAATTTA	1558
TJU_CMC.ID01559.5p-miR	2	+	222172438	222172457	TCCCCGGCATCTCCACAGTT	1559
TJU_CMC.ID01560.3p-miR	2	-	222760433	222760453	CAGGAATAGTCTGACTGCAGA	1560
TJU_CMC.ID01561.3p-miR	2	+	223189117	223189136	CTGACCTATGAATTTAATCA	1561
TJU_CMC.ID01562.3p-miR	2	-	224644760	224644779	CTCAGATATCGCCACCTAGT	1562
TJU_CMC.ID01563.5p-miR	2	-	224676597	224676618	TTCTGACCACAGTTTATGCCAC	1563
TJU_CMC.ID01564.3p-miR	2	-	224946453	224946475	TGTAACAATTCATACTTCCAGAC	1564
TJU_CMC.ID01565.5p-miR	2	-	225110208	225110230	TGGCTCAGGGACTACAAGTCAGT	1565
TJU_CMC.ID01566.3p-miR	2	-	225213342	225213362	CCCATAAAGATCTTTCTGTAT	1566
TJU_CMC.ID01567.5p-miR	2	-	225637845	225637867	AAGCATTGCCCAGGGCTGAGATG	1567
TJU_CMC.ID01568.3p-miR	2	+	226426809	226426830	GGTGCTTTTCCTACTTGTTTTG	1568
TJU_CMC.ID01569.3p-miR	2	-	226840699	226840719	TGTAAACATCCTCGAATGCTT	1569
TJU_CMC.ID01570.5p-miR	2	-	227325604	227325623	TAGGGTTTGGCTGTGTCCTT	1570
TJU_CMC.ID01571.3p-miR	2	-	227422197	227422216	CTGATAACGCCAAGGTTACA	1571
TJU_CMC.ID01572.3p-miR	2	+	228079451	228079471	GAACTTGAGAATCGCTACCTA	1572

Table 1. Novel miRNA sequences

TJU_CMC.ID01573.3p-miR	2	-	228116195	228116216	TCCCTGCTAGGGATCCTTGTGA	1573
TJU_CMC.ID01574.3p-miR	2	-	228291249	228291270	AAGCACCATCCAGGGCTGGCAG	1574
TJU_CMC.ID01575.3p-miR	2	+	228292276	228292297	AGGCAAGATGCTGGCACCTTGA	1575
TJU_CMC.ID01576.3p-miR	2	+	228487640	228487659	TCTTTTGGTTTCCATGTTGT	1576
TJU_CMC.ID01577.3p-miR	2	-	228625149	228625168	GTGGCCGAGTGGTTAAGATG	1577
TJU_CMC.ID01578.3p-miR	2	-	228647052	228647073	AAGAACAGGATGTCACGATGCT	1578
TJU_CMC.ID01579.3p-miR	2	-	228883944	228883965	ACTGCAAACTCAAGCACCCCAA	1579
TJU_CMC.ID01580.3p-miR	2	-	229252291	229252312	TTCTAGGGCTGATGCGCAAAGT	1580
TJU_CMC.ID01581.5p-miR	2	+	229348847	229348868	GGCACAATGACCAGCTACTGCT	1581
TJU_CMC.ID01582.5p-miR	2	-	229805828	229805849	GTATGTGATGAAGCACCGATAC	1582
TJU_CMC.ID01583.5p-miR	2	-	229864359	229864380	TTATACCATCTGAAGCTATGGC	1583
TJU_CMC.ID01584.3p-miR	2	-	230025903	230025926	GCTCACATCACCCCAGTCCACAAC	1584
TJU_CMC.ID01585.5p-miR	2	+	230220472	230220494	TGGCTTATCAAGTACTATTTTCA	1585
TJU_CMC.ID01586.3p-miR	2	-	230227114	230227135	TGAGAGCTTCAGTTTATGGGGT	1586
TJU_CMC.ID01587.3p-miR	2	+	230331287	230331306	CTCTCGGGGCCACTATTCCA	1587
TJU_CMC.ID01588.3p-miR	2	+	230468379	230468400	ATTGTCAACCTTGATCTGAGTG	1588
TJU_CMC.ID01589.5p-miR	2	+	231171313	231171333	TCCCAGCACCTGCTGCAATCT	1589
TJU_CMC.ID01590.5p-miR	2	+	231280419	231280442	CCCTGGGTCCCAATGTCAGGACCT	1590
TJU_CMC.ID01591.3p-miR	2	-	231895586	231895605	TCCATTTGTTTGTTTTGAAT	1591
TJU_CMC.ID01592.3p-miR	2	+	232008459	232008478	AGGAGATGATATATATACAG	1592
TJU_CMC.ID01593.3p-miR	2	+	232111488	232111508	TTCACAGTGGCTAATTTACAT	1593
TJU_CMC.ID01594.5p-miR	2	+	232195088	232195111	CGGAAACCCACTACGCCTCCACTA	1594
TJU_CMC.ID01595.5p-miR	2	-	232243592	232243611	AATGGCAATGGTAATGGCGT	1595
TJU_CMC.ID01596.5p-miR	2	+	232321165	232321185	ACTTGACTATCTAGAGGAATT	1596
TJU_CMC.ID01597.5p-miR	2	+	232539873	232539894	GTCTGTAGGAAGCCAGCGCTTT	1597
TJU_CMC.ID01598.3p-miR	2	+	232808978	232808999	AGATGGTGGGAAGCAGGCGCAC	1598
TJU_CMC.ID01599.5p-miR	2	+	233059499	233059520	TGTGCTGGGTGACCCGCAACCT	1599
TJU_CMC.ID01600.5p-miR	2	-	233792969	233792991	CGGGTCGCGCCCAGCCCGGGCGC	1600
TJU_CMC.ID01601.5p-miR	2	+	234072945	234072964	CCCACCAGGTCGCCATCCAC	1601
TJU_CMC.ID01602.5p-miR	2	+	234197384	234197404	CCAGCTGCCTCTCCTCCATCG	1602
TJU_CMC.ID01603.3p-miR	2	+	234364312	234364331	TCGTCCGCTGAGTCAGGATG	1603

Table 1. Novel miRNA sequences

TJU_CMC.ID01604.5p-miR	2	-	234603386	234603406	TTCACAGTGGCTACTGCCAAC	1604
TJU_CMC.ID01605.5p-miR	2	-	234873336	234873355	AGCAGCATTGATGTCGTTCT	1605
TJU_CMC.ID01606.3p-miR	2	+	235014454	235014474	TGTGGCTTTTCATTCCTGTGA	1606
TJU_CMC.ID01607.5p-miR	2	+	235272837	235272856	AGCATGCTGAGAGCCATTGA	1607
TJU_CMC.ID01608.5p-miR	2	-	235534373	235534394	CAGTCCTAGAGCTGACATGCCA	1608
TJU_CMC.ID01609.3p-miR	2	+	235681364	235681385	AAGATTGGCTTGCATACCACTG	1609
TJU_CMC.ID01610.3p-miR	2	+	236195720	236195741	CCTGGATAATCCAGGAAAGATC	1610
TJU_CMC.ID01611.5p-miR	2	+	236209490	236209511	TAGCTGATCAGACACTCTGGTA	1611
TJU_CMC.ID01612.5p-miR	2	+	236453088	236453107	GCGGTCCCCTTAGGCTGAGC	1612
TJU_CMC.ID01613.5p-miR	2	-	236462862	236462885	CACCGTAAGGCAGGCTGGACCACG	1613
TJU_CMC.ID01614.3p-miR	2	+	236479883	236479904	GGGTTACCGTTCGACATGAGGT	1614
TJU_CMC.ID01615.5p-miR	2	+	236684614	236684636	GCTTCTGTCCTTTGAAGGTTTTC	1615
TJU_CMC.ID01616.5p-miR	2	-	236730673	236730695	GGTCAGTGTTCCCAGGAATAAGA	1616
TJU_CMC.ID01617.5p-miR	2	-	237002681	237002700	CTGACCTATGAATACAGTCT	1617
TJU_CMC.ID01618.3p-miR	2	+	237473190	237473210	GCCAGAAATCATACCCTTGGT	1618
TJU_CMC.ID01619.5p-miR	2	-	237486009	237486028	TTTGGGTGACGAAAATTTGA	1619
TJU_CMC.ID01620.3p-miR	2	+	237660984	237661005	CAGAACTTCAGTTTATGGTTGG	1620
TJU_CMC.ID01621.3p-miR	2	+	238285634	238285655	TTCCTGCGACCAGCAGCACCAG	1621
TJU_CMC.ID01622.3p-miR	2	-	238378656	238378675	AGGTGCCCTGCTCCCTATGA	1622
TJU_CMC.ID01623.5p-miR	2	+	238602488	238602510	AGCAGCTAAGGCACTGGCTACAG	1623
TJU_CMC.ID01624.5p-miR	2	+	238706970	238706989	CGGTATTTCTAGAAGATGGG	1624
TJU_CMC.ID01625.3p-miR	2	-	238857167	238857189	GTCGTCACAAGGGTCCTTATAAG	1625
TJU_CMC.ID01626.5p-miR	2	+	238994407	238994426	TATGAGACGATAACAAATGA	1626
TJU_CMC.ID01627.5p-miR	2	-	239043591	239043613	TGTGCACCGACATGCAGGGAGCC	1627
TJU_CMC.ID01628.3p-miR	2	+	239148996	239149017	CCCGTCCGTCCGTCCGTCCGTC	1628
TJU_CMC.ID01629.3p-miR	2	-	239471271	239471291	CCATTATAACAGCCCCATGCT	1629
TJU_CMC.ID01630.5p-miR	2	-	239796055	239796075	AATGCCAGGATTTGATTCCTA	1630
TJU_CMC.ID01631.5p-miR	2	-	239995968	239995987	CCACACAAAACGCCTGTGGT	1631
TJU_CMC.ID01632.5p-miR	2	-	240039183	240039204	CACATTCATCCCTTTTCTGGCT	1632
TJU_CMC.ID01633.3p-miR	2	-	240304203	240304225	CACTCTGGGTGGTCCTACCCATT	1633
TJU_CMC.ID01634.5p-miR	2	+	240322130	240322149	CCCGCGCCCCCGCCCCGGCG	1634

Table 1. Novel miRNA sequences

TJU_CMC.ID01635.5p-miR	2	+	240322613	240322634	GGTGCTCCGCGGCGGCGGCCCC	1635
TJU_CMC.ID01636.5p-miR	2	-	240637208	240637228	CAATATAGGCCTGCACCCCAG	1636
TJU_CMC.ID01637.5p-miR	2	+	240886783	240886805	TGGCTCAGTGACTGTCCTGTGTG	1637
TJU_CMC.ID01638.5p-miR	2	+	241098943	241098964	TTCTGACGGCCTGGGACAAAAC	1638
TJU_CMC.ID01639.3p-miR	2	+	241402117	241402138	ACCTCAGCCCCACAGCCTCAGT	1639
TJU_CMC.ID01640.3p-miR	2	-	241748175	241748194	ATCCCAGGCGACGGTGTGAG	1640
TJU_CMC.ID01641.3p-miR	2	-	241764449	241764470	CTGCAGCCCAGTGGGCGTGGCA	1641
TJU_CMC.ID01642.5p-miR	2	+	241859832	241859853	CACTGACTTGTCCCCGCACCTG	1642
TJU_CMC.ID01643.3p-miR	2	-	242182807	242182827	CTGACCTAAAGGCACTGTATG	1643
TJU_CMC.ID01644.5p-miR	2	-	242739816	242739837	ACCTGCTGAACGTGTACTTGGC	1644
TJU_CMC.ID01645.3p-miR	2	+	242800946	242800967	TAGCACCGCCCAGACGACTGGC	1645
TJU_CMC.ID01646.5p-miR	2	-	242845337	242845356	CCCACCGCGCCGTCCTTGTC	1646
TJU_CMC.ID01647.5p-miR	2	+	242921975	242921996	TAGCTGTAATCCAGTTATCCCA	1647
TJU_CMC.ID01648.3p-miR	2	-	242922418	242922437	CAGGGCAACAGCTCCCAAGG	1648
TJU_CMC.ID01649.3p-miR	3	+	513016	513038	TATCCCACTCCTTGTACCAGTGT	1649
TJU_CMC.ID01650.5p-miR	3	-	807734	807755	ATCTGTAATGTCTTTATTTCCA	1650
TJU_CMC.ID01651.3p-miR	3	-	844752	844775	CTTCCTCTCTTTCTCCCCATGTGA	1651
TJU_CMC.ID01652.3p-miR	3	-	1185674	1185693	ATTTTGCTTCTACTATTGTC	1652
TJU_CMC.ID01653.5p-miR	3	+	1318547	1318568	AGCTAGTCACTCAAATACCCGG	1653
TJU_CMC.ID01654.5p-miR	3	-	2013161	2013182	AAGCTGCCAGTTGATGTACTGC	1654
TJU_CMC.ID01655.5p-miR	3	+	2510569	2510589	GGAAAGTTTTCCCAGAAATCC	1655
TJU_CMC.ID01656.5p-miR	3	-	2545350	2545369	CAATCTTTTAGAGATAGCTC	1656
TJU_CMC.ID01657.5p-miR	3	-	2661025	2661045	AGTCAATGTCTATTGCTACTA	1657
TJU_CMC.ID01658.5p-miR	3	-	2754824	2754843	CCCAAAACTGCTCCCCCACT	1658
TJU_CMC.ID01659.5p-miR	3	+	3023595	3023616	GGGTACATGCCTAGCTATCAGG	1659
TJU_CMC.ID01660.3p-miR	3	+	3311518	3311539	GTTGGTGGTTTTGTTTCCTTGA	1660
TJU_CMC.ID01661.5p-miR	3	+	3388968	3388987	GGGCACCATCTGATTAGCTG	1661
TJU_CMC.ID01662.3p-miR	3	+	3675605	3675625	CTCCAGTAAAGAGTCCTTAGG	1662
TJU_CMC.ID01663.5p-miR	3	-	3796313	3796332	GCTGGTGAGTGCCGATTGGG	1663
TJU_CMC.ID01664.5p-miR	3	+	3849360	3849381	GGATCAGGAGTGAGAGTTAGGT	1664
TJU_CMC.ID01665.5p-miR	3	-	4019975	4019996	CTAGTCATGACTGATATGGTTA	1665

Table 1. Novel miRNA sequences

TJU_CMC.ID01666.3p-miR	3	+	4054737	4054757	TCCCCATATGGAGGTGGGGAG	1666
TJU_CMC.ID01667.5p-miR	3	+	4751820	4751841	CTGCATCAGAGGCTAATGTTTC	1667
TJU_CMC.ID01668.5p-miR	3	+	5247170	5247191	GGACAGTAATCCAGGAGCAGCT	1668
TJU_CMC.ID01669.5p-miR	3	+	6251309	6251330	GTCGACGCTGAGTGAAGTAAAA	1669
TJU_CMC.ID01670.3p-miR	3	-	6392069	6392090	TTGCAGACATGCAATGCGTTAT	1670
TJU_CMC.ID01671.3p-miR	3	+	7270420	7270441	TAATCATAGTTCTACTACCAGA	1671
TJU_CMC.ID01672.3p-miR	3	+	7663534	7663555	TTGACATCATTGAAAGCCTGGT	1672
TJU_CMC.ID01673.5p-miR	3	+	8042565	8042586	TCAGGCTCAGTTTTTCAAAGGA	1673
TJU_CMC.ID01674.3p-miR	3	-	8077877	8077897	TGACCTATGGGCACTGAGCCA	1674
TJU_CMC.ID01675.3p-miR	3	+	8665535	8665555	TGCAGCCCACTGGATACCCCA	1675
TJU_CMC.ID01676.3p-miR	3	+	8888926	8888947	TAAAGTCTCAAAGGCAGACACT	1676
TJU_CMC.ID01677.5p-miR	3	-	9114755	9114778	ACTTCACATTAGCAGATGAAACAC	1677
TJU_CMC.ID01678.5p-miR	3	-	9536886	9536905	AGCAGGGGAGCAAGATGATC	1678
TJU_CMC.ID01679.3p-miR	3	+	9974570	9974591	GGCCGCCCCCGGGGAGCCAGGC	1679
TJU_CMC.ID01680.3p-miR	3	+	10290441	10290460	CGGCCCCGGGGCCGCGGATC	1680
TJU_CMC.ID01681.5p-miR	3	+	10364900	10364920	AGTACAGATGCTGGCATCAAG	1681
TJU_CMC.ID01682.3p-miR	3	-	10411741	10411761	ACAGGGGTCAGTCGGTCCATC	1682
TJU_CMC.ID01683.5p-miR	3	-	10826816	10826838	TAGCTTATCAACACACAACTGTG	1683
TJU_CMC.ID01684.3p-miR	3	+	11265647	11265666	ACACAGAGGGCACTGTCAGC	1684
TJU_CMC.ID01685.5p-miR	3	+	11441813	11441835	TGAGTACCCAGATAATAGGGGTA	1685
TJU_CMC.ID01686.3p-miR	3	-	11501788	11501809	TTTGGCATATTTAGCAGCCCAA	1686
TJU_CMC.ID01687.3p-miR	3	+	11599828	11599849	TATCATGTTTGAGGGCCCCCTT	1687
TJU_CMC.ID01688.3p-miR	3	+	11657556	11657576	CAACCTGATCAGCCCATCTCA	1688
TJU_CMC.ID01689.5p-miR	3	-	11751634	11751653	GTTGGATCATGGGAGCGATC	1689
TJU_CMC.ID01690.5p-miR	3	-	11841335	11841354	CTGATGAGGTTTCCTTTATG	1690
TJU_CMC.ID01691.3p-miR	3	+	12001397	12001419	TATAGGCAGTCTTCAGCTCCAGG	1691
TJU_CMC.ID01692.3p-miR	3	-	12270906	12270925	GGGAGCCGACTTAGAACATC	1692
TJU_CMC.ID01693.3p-miR	3	-	12646329	12646349	GACTGGAAGAGGCCAGTGGTT	1693
TJU_CMC.ID01694.3p-miR	3	+	12943722	12943741	CTGAATCTCTTTCTCTCAAG	1694
TJU_CMC.ID01695.3p-miR	3	-	13035444	13035463	CCGCCCCCGGGGCCGCGGTT	1695
TJU_CMC.ID01696.3p-miR	3	+	13332358	13332380	TGTGCAAATCCACATTAAACTTG	1696

Table 1. Novel miRNA sequences

TJU_CMC.ID01697.3p-miR	3	-	13430255	13430276	CCCATGTGGACTCAGCAGCTGG	1697
TJU_CMC.ID01698.5p-miR	3	-	13673751	13673773	GGGGCCGAGGGAGCGAGAGGCCA	1698
TJU_CMC.ID01699.3p-miR	3	-	13736337	13736358	TAGAGCAGGATGTCCTACAGAG	1699
TJU_CMC.ID01700.3p-miR	3	-	14020748	14020767	AATTTTGCCTACCTTTGTTT	1700
TJU_CMC.ID01701.5p-miR	3	+	14110141	14110162	GCTAGATAGTCTAGTCGCTTGA	1701
TJU_CMC.ID01702.5p-miR	3	+	14222720	14222741	TCCCTGAGACCCTATGCCCTGA	1702
TJU_CMC.ID01703.3p-miR	3	+	14505421	14505441	GGCCAGGGGCCATCGAGCAAG	1703
TJU_CMC.ID01704.3p-miR	3	+	14544888	14544910	CACATGAATCCATGCACAGTCTG	1704
TJU_CMC.ID01705.5p-miR	3	-	14840139	14840162	GAAGCTAAGGGCATGGCCAGTGGG	1705
TJU_CMC.ID01706.5p-miR	3	+	16050286	16050307	TAGCAGCCAGCTGTGGTGGCAC	1706
TJU_CMC.ID01707.5p-miR	3	-	16092815	16092834	GGCCCTCCCCCGCCCCAAGA	1707
TJU_CMC.ID01708.3p-miR	3	+	16110522	16110544	CTGATCAAACAGTGGTACCCTGG	1708
TJU_CMC.ID01709.3p-miR	3	+	16427681	16427703	AATCTGTGCATACAGAAATGATT	1709
TJU_CMC.ID01710.3p-miR	3	+	16797813	16797834	CCTCTAATGACCCTTGGAATTT	1710
TJU_CMC.ID01711.5p-miR	3	-	16807115	16807134	GGTATTGTCATAGTGGAAAT	1711
TJU_CMC.ID01712.3p-miR	3	-	16811752	16811771	TAGCAGCACATCATAGGGCC	1712
TJU_CMC.ID01713.5p-miR	3	-	16936995	16937016	CCACTTGATCTAGGATCGAAGA	1713
TJU_CMC.ID01714.5p-miR	3	-	17283520	17283540	TTCACAGCGTAGCCTGGAATT	1714
TJU_CMC.ID01715.3p-miR	3	-	17428462	17428482	ATGCTATGTCTGCATAATACA	1715
TJU_CMC.ID01716.3p-miR	3	+	17910865	17910884	TGGCTCAGAAGTCCAGGAGT	1716
TJU_CMC.ID01717.3p-miR	3	-	18426352	18426373	AGCATGGCATCTATATACGTAT	1717
TJU_CMC.ID01718.5p-miR	3	+	18702777	18702798	TCTGTCATTGTTGGGCGTTTTG	1718
TJU_CMC.ID01719.5p-miR	3	+	19784265	19784286	GTCCAGTGCAGTAGCCGCTGGC	1719
TJU_CMC.ID01720.5p-miR	3	-	19932153	19932174	GGAGTCATTAGGGTTATGGGGT	1720
TJU_CMC.ID01721.5p-miR	3	+	20256557	20256579	CGATATTGTGGTACAACTATGCT	1721
TJU_CMC.ID01722.5p-miR	3	+	21221118	21221140	GATTTATGATTCAGTCAGTTAGG	1722
TJU_CMC.ID01723.5p-miR	3	+	21471910	21471931	AGCTCTGAAGTCATTATGGGGT	1723
TJU_CMC.ID01724.5p-miR	3	-	21536048	21536069	CTAGAGTTTGAGTGGCGTTTTG	1724
TJU_CMC.ID01725.3p-miR	3	+	21717012	21717031	ATTCTGCTTCCAGAGTGTAA	1725
TJU_CMC.ID01726.3p-miR	3	+	21896285	21896305	CTGACCTATTAATTGAATGAA	1726
TJU_CMC.ID01727.5p-miR	3	-	22250108	22250127	AATAATCACATGAGGGGAAA	1727

Table 1. Novel miRNA sequences

TJU_CMC.ID01728.5p-miR	3	+	22637532	22637553	ATATAATACAATTCGGATTTGT	1728
TJU_CMC.ID01729.5p-miR	3	-	22787234	22787255	ATATGTATCACTGTGACAACTT	1729
TJU_CMC.ID01730.3p-miR	3	+	22914083	22914105	AGTCAACCCACTGGGCTGAAACA	1730
TJU_CMC.ID01731.3p-miR	3	-	23119945	23119967	AAGTCTTTGGGTTTTTTTTTCT	1731
TJU_CMC.ID01732.5p-miR	3	-	23193449	23193472	GCTTTAATGGCAGGTAGAGCAGTG	1732
TJU_CMC.ID01733.3p-miR	3	+	23273680	23273700	CTAAGGGCTGCCAGCCAGCCA	1733
TJU_CMC.ID01734.3p-miR	3	-	24310872	24310895	GCGCGCGCGCGCGCGCGTGTGAGC	1734
TJU_CMC.ID01735.5p-miR	3	+	24354442	24354463	TGGCTTGACCCAGCAGGACAGA	1735
TJU_CMC.ID01736.5p-miR	3	+	25276607	25276628	AAGCTTATCCTCAGTAAACCAG	1736
TJU_CMC.ID01737.3p-miR	3	-	25464498	25464520	AACTATGCCACTGTAGTATAAAG	1737
TJU_CMC.ID01738.3p-miR	3	+	26322953	26322972	ACCCCAGAGGACCATGTGAC	1738
TJU_CMC.ID01739.3p-miR	3	+	26528908	26528929	TAGCACCATGACTAAACAGACT	1739
TJU_CMC.ID01740.3p-miR	3	+	26658221	26658242	GCTACAAGAGACTAAGATGTTA	1740
TJU_CMC.ID01741.3p-miR	3	-	27013122	27013141	CTGGCCTTCCAAAACTCAGA	1741
TJU_CMC.ID01742.3p-miR	3	-	27063180	27063199	CAAGCCACCTTGGGAATGCT	1742
TJU_CMC.ID01743.5p-miR	3	+	27366538	27366559	TTCTAACCACAGTGTATGTTGT	1743
TJU_CMC.ID01744.5p-miR	3	-	27408246	27408267	GTCATGGTGAGTTTACAAAAGG	1744
TJU_CMC.ID01745.3p-miR	3	+	28798366	28798386	CAGACCTTTGAGACCTCTGGG	1745
TJU_CMC.ID01746.5p-miR	3	-	29000951	29000970	ATGCAATGTCTGCCGCTCTC	1746
TJU_CMC.ID01747.5p-miR	3	+	29604580	29604600	CTGGCCTATGAATTGATAGAT	1747
TJU_CMC.ID01748.5p-miR	3	+	29941962	29941981	TAGAATCTAGACTGAAGGCT	1748
TJU_CMC.ID01749.5p-miR	3	+	30294048	30294068	GATCTTTGTGACAAGCTAATA	1749
TJU_CMC.ID01750.5p-miR	3	-	32027796	32027819	CTGGACTTGGAGTCAGAAGGCCTT	1750
TJU_CMC.ID01751.5p-miR	3	-	32635015	32635035	ACGCACTTGCGGCCCCAGCTA	1751
TJU_CMC.ID01752.5p-miR	3	+	32791671	32791692	TGACAAGAGCTAGACACTGTGT	1752
TJU_CMC.ID01753.5p-miR	3	-	33330134	33330155	TGCTGTTCATCCAACACACCAG	1753
TJU_CMC.ID01754.3p-miR	3	+	33507706	33507725	AATTTAGGTTGGGACAAAAA	1754
TJU_CMC.ID01755.5p-miR	3	-	33691208	33691227	CCTCGAGGGTATAGTTGTTT	1755
TJU_CMC.ID01756.3p-miR	3	-	35266170	35266191	TAGCTTATTGAGTCACTTGGCC	1756
TJU_CMC.ID01757.3p-miR	3	-	35281008	35281028	TGTACAAAATTATTTGTGAGA	1757
TJU_CMC.ID01758.5p-miR	3	-	36115753	36115773	ACCTCACGAGCTTAGACCCAC	1758

Table 1. Novel miRNA sequences

TJU_CMC.ID01759.3p-miR	3	-	36326807	36326828	TAACACTGTCTGGTAACTAATC	1759
TJU_CMC.ID01760.3p-miR	3	-	36556810	36556831	TGTCTCAAACAGTTTATGGTTT	1760
TJU_CMC.ID01761.5p-miR	3	+	36984543	36984562	CCCACCCCCGGCCCCCCGTA	1761
TJU_CMC.ID01762.5p-miR	3	+	37404199	37404221	TGTAGTGATGGTCTTGCATAGGC	1762
TJU_CMC.ID01763.5p-miR	3	+	37426029	37426049	AGGCAAGATGCTAATGACTAT	1763
TJU_CMC.ID01764.3p-miR	3	+	37483449	37483470	TTCGTGGCCTATCACAGCAGTC	1764
TJU_CMC.ID01765.3p-miR	3	-	37636598	37636619	TGTCTCAAAGTCAAAAAAAAAC	1765
TJU_CMC.ID01766.3p-miR	3	+	38012218	38012238	CTACTCTTTGCACCCCTCTGC	1766
TJU_CMC.ID01766.5p-miR	3	+	38012183	38012205	AAAGGGTGCACAGAGCCCAGCCA	1767
TJU_CMC.ID01767.3p-miR	3	+	38815783	38815804	TTCTGGTTTGTCAAATCAAACA	1768
TJU_CMC.ID01768.3p-miR	3	-	38965420	38965442	TGGCTCAGGGACTCTCCAGTGAC	1769
TJU_CMC.ID01769.5p-miR	3	-	39150577	39150598	TGGCTATAGTAAATGATCCCAG	1770
TJU_CMC.ID01770.3p-miR	3	+	39195331	39195352	TTCCAGCACGGTCCCTAAAGGC	1771
TJU_CMC.ID01771.3p-miR	3	-	39329271	39329291	AATATGTACTGGCTTCAAGGA	1772
TJU_CMC.ID01772.5p-miR	3	+	39610111	39610130	TACAAAGGCTAGACCAGTTT	1773
TJU_CMC.ID01773.3p-miR	3	-	39789579	39789601	TGGCTCAGTCCAGCCTTCCATAT	1774
TJU_CMC.ID01774.3p-miR	3	+	40062444	40062464	CATACTCTAGAAAGCAAGCAG	1775
TJU_CMC.ID01775.3p-miR	3	+	40430909	40430928	CATTGCTATTACCCACAATT	1776
TJU_CMC.ID01776.5p-miR	3	+	40555380	40555399	GAGCACTCTGTCAAGCCGGG	1777
TJU_CMC.ID01777.3p-miR	3	-	41116078	41116099	GGTAACAGCACAGAACACACCT	1778
TJU_CMC.ID01778.3p-miR	3	-	42204241	42204262	CAGAGTTTGTCAAATATTTTGC	1779
TJU_CMC.ID01779.5p-miR	3	-	42430113	42430134	TACTGGTTTCAGTTTATGTCCA	1780
TJU_CMC.ID01780.5p-miR	3	+	42696259	42696278	CGCGGGCCCGGGTGGAGGGG	1781
TJU_CMC.ID01781.5p-miR	3	+	43214727	43214748	TCCCTGAGAGTTGGGTCCAACT	1782
TJU_CMC.ID01782.3p-miR	3	+	43223221	43223242	CGGGAACTAATGATGATGATTA	1783
TJU_CMC.ID01783.5p-miR	3	-	43279143	43279164	AATGTGCATTGCAGGATCTGCC	1784
TJU_CMC.ID01784.5p-miR	3	-	43353697	43353718	TTCAAGTAATTCAGCTTTCATT	1785
TJU_CMC.ID01785.5p-miR	3	+	43828873	43828895	GAGGAATAGTCTGAGATAGTGTG	1786
TJU_CMC.ID01786.3p-miR	3	+	44229202	44229224	AAATGATGCCACCAACCCTTTGC	1787
TJU_CMC.ID01787.5p-miR	3	+	44709643	44709662	TTCACAGTGGCTAATGCCTC	1788
TJU_CMC.ID01788.5p-miR	3	+	44960143	44960162	GAAGCGGGTGCTCGTACAGC	1789

Table 1. Novel miRNA sequences

TJU_CMC.ID01789.5p-miR	3	+	45331326	45331345	TAGCACCATTTTCCCCACTG	1790
TJU_CMC.ID01790.3p-miR	3	+	45567454	45567473	TGAGGTAGTGCAACTGATTT	1791
TJU_CMC.ID01791.3p-miR	3	+	45803617	45803636	GGATCTGATTCAGCAGGATG	1792
TJU_CMC.ID01792.5p-miR	3	-	46101990	46102009	CTTACCTATGAATTAACAGG	1793
TJU_CMC.ID01793.5p-miR	3	+	46960832	46960854	ACCTGGTTTGTCAAATACCCTCA	1794
TJU_CMC.ID01794.3p-miR	3	+	46989250	46989271	ACAGCAGGCACAGCACTGTGGT	1795
TJU_CMC.ID01795.3p-miR	3	+	47043386	47043408	CACTCATCTCTCTTGCGCCCACA	1796
TJU_CMC.ID01796.3p-miR	3	+	47093554	47093573	AGTTTGACTGGAATAATGCA	1797
TJU_CMC.ID01797.5p-miR	3	-	47549677	47549696	CTATTGGACCAAGTCACTGC	1798
TJU_CMC.ID01798.5p-miR	3	-	47722812	47722832	TCCCCAGCACCTCCACCAAAA	1799
TJU_CMC.ID01799.3p-miR	3	-	47900906	47900929	GGCTGTGGGTGCAAATACAAAAAT	1800
TJU_CMC.ID01800.3p-miR	3	+	48281909	48281930	CCTGTATTTCCATATCAAAGCT	1801
TJU_CMC.ID01801.5p-miR	3	+	48477805	48477825	ACACAGCTGGTTGGGTAGAAA	1802
TJU_CMC.ID01802.5p-miR	3	+	48642131	48642150	TCCCGGGTGCTGTAGGCATT	1803
TJU_CMC.ID01803.3p-miR	3	+	48674945	48674965	AAACACGACATCAGCTGCTCC	1804
TJU_CMC.ID01804.3p-miR	3	-	48717662	48717683	TGCCTTGCCCTCTCCCTCTAGG	1805
TJU_CMC.ID01805.5p-miR	3	-	48719493	48719515	GCGCCGAGACCGCGAGGCCCTGA	1806
TJU_CMC.ID01806.3p-miR	3	+	48767215	48767234	TCCGAGTCACGGCACCAAAA	1807
TJU_CMC.ID01807.3p-miR	3	+	48892720	48892741	ACAGCAGTACACTACAGGTGTA	1808
TJU_CMC.ID01808.3p-miR	3	-	48945492	48945513	TGTCTCAAAAGACCCTAGGTGA	1809
TJU_CMC.ID01809.5p-miR	3	+	49058066	49058088	GGACGAAATCCAAGCGCAGCTGG	1810
TJU_CMC.ID01810.5p-miR	3	+	49153989	49154011	TTCTCATACGAGTCATTCTTGAC	1811
TJU_CMC.ID01811.3p-miR	3	+	49386555	49386574	TTAGATTCCCTTCACTTGCT	1812
TJU_CMC.ID01812.3p-miR	3	+	49555685	49555706	TGTCATACTTGCTGATTGGTTA	1813
TJU_CMC.ID01813.5p-miR	3	-	49601196	49601219	GCCCCTACAGAGTATGACAGCAGA	1814
TJU_CMC.ID01814.5p-miR	3	+	50003645	50003666	TTTTAGTATAGTAGCATAGTCT	1815
TJU_CMC.ID01815.3p-miR	3	+	50204192	50204211	GTTGGTCCCATCTTGGCCTG	1816
TJU_CMC.ID01816.5p-miR	3	+	50325685	50325706	AGCAGCATTGTACAGGTGCTAG	1817
TJU_CMC.ID01817.3p-miR	3	-	50567804	50567825	AGAGGGGCAGGAGGGGGGGAAAT	1818
TJU_CMC.ID01818.3p-miR	3	+	50892890	50892909	GCTTGAATGCTATTGAAGTA	1819
TJU_CMC.ID01819.5p-miR	3	-	51435114	51435133	TAGCTTATACTCACAGTGTC	1820

Table 1. Novel miRNA sequences

TJU_CMC.ID01820.3p-miR	3	+	51572969	51572991	GCCGCCGGGTCCCGCAACAATGG	1821
TJU_CMC.ID01821.3p-miR	3	-	51632350	51632373	AAGGAGGGTTTGGAATTTTAGAGT	1822
TJU_CMC.ID01822.3p-miR	3	+	51743212	51743233	CATCAACCGTGACCCGCACCTG	1823
TJU_CMC.ID01823.5p-miR	3	+	51970014	51970035	TTATAGGCAAGAGCCGCTACAT	1824
TJU_CMC.ID01824.3p-miR	3	-	52011581	52011600	CATCAAGCGCTTATGACAGC	1825
TJU_CMC.ID01825.3p-miR	3	-	52082172	52082191	GCCCCAGTGGACAACAAGCC	1826
TJU_CMC.ID01826.5p-miR	3	+	52123940	52123961	GAGCAGCCCGTCAAATAGGAAC	1827
TJU_CMC.ID01827.5p-miR	3	-	52125765	52125785	TCTCCTGGGAGCAATATGGGA	1828
TJU_CMC.ID01828.5p-miR	3	-	52158381	52158400	GCTAACCACCAATGACCTGT	1829
TJU_CMC.ID01829.3p-miR	3	+	52428009	52428030	CCTTCTCGAGCCTTGAGTGTGC	1830
TJU_CMC.ID01830.3p-miR	3	+	52557419	52557441	CAACAGGCCTTGCTCTGCTCACA	1831
TJU_CMC.ID01831.5p-miR	3	-	53079154	53079173	GGGCACCGCCGCTGGACCCC	1832
TJU_CMC.ID01832.5p-miR	3	-	53272774	53272796	AGGCAAGATGCTGGCCTAGGCCA	1833
TJU_CMC.ID01833.3p-miR	3	+	53480646	53480666	GAGTGTCCCGATTTTCCAGAA	1834
TJU_CMC.ID01834.5p-miR	3	+	53797073	53797094	CACAGGCAGGAGACCCCACAGC	1835
TJU_CMC.ID01835.5p-miR	3	+	54031051	54031070	AGTGGCAATGGTAGCAGTCT	1836
TJU_CMC.ID01836.5p-miR	3	-	54096706	54096728	CTCCAGTCCCTTCAGGAATCCCC	1837
TJU_CMC.ID01837.5p-miR	3	-	54660270	54660289	GTAGGTGAACCTGCGGAAGG	1838
TJU_CMC.ID01838.5p-miR	3	+	54702820	54702840	CTGGAAGGCCGTACAGTGTCC	1839
TJU_CMC.ID01839.5p-miR	3	-	55146021	55146040	CCAATAATGCTCTTGTTGGG	1840
TJU_CMC.ID01840.5p-miR	3	-	55217402	55217422	TCCTGAAACATGCCAGCATGT	1841
TJU_CMC.ID01841.3p-miR	3	-	55556264	55556285	TGCTGGTTTGTGTTTATGTTTC	1842
TJU_CMC.ID01842.3p-miR	3	+	55820936	55820955	CCCAGCCCTTAGAAAGGTCA	1843
TJU_CMC.ID01843.5p-miR	3	-	56079221	56079241	CCTCTTTTAGAGATAGTCTGA	1844
TJU_CMC.ID01844.5p-miR	3	+	56089850	56089869	CTCATGCTGAGAATTGCCAC	1845
TJU_CMC.ID01845.5p-miR	3	+	56838697	56838718	TGTCTCAGAAGAGGTATGGGGC	1846
TJU_CMC.ID01846.5p-miR	3	-	56908816	56908838	ATGGTTCGATTCCACAGCCTCCC	1847
TJU_CMC.ID01847.3p-miR	3	-	56953987	56954008	TGTCAGATTCTTGAATATCCCA	1848
TJU_CMC.ID01848.5p-miR	3	+	57046866	57046885	GGCCGAGGTGAAGCTGGCTC	1849
TJU_CMC.ID01849.3p-miR	3	-	57072766	57072787	ACCAACAATGGTATAGGTCTGA	1850
TJU_CMC.ID01850.3p-miR	3	-	57201046	57201067	TCTAGATGTAGCTACTTCCAAG	1851

Table 1. Novel miRNA sequences

TJU_CMC.ID01851.5p-miR	3	-	58150400	58150420	CTGGGGAGTCTGGCAGCACTC	1852
TJU_CMC.ID01852.5p-miR	3	-	58447176	58447196	GTGTTGGGTGACCATACCCCA	1853
TJU_CMC.ID01853.3p-miR	3	-	58707165	58707186	TTCTTCATTAGGTCAGACTCCT	1854
TJU_CMC.ID01854.5p-miR	3	-	58732635	58732654	AATTGCGTAATGATATTATA	1855
TJU_CMC.ID01855.3p-miR	3	-	58760989	58761010	AAGCTTATCAGACACTCAAAAG	1856
TJU_CMC.ID01856.3p-miR	3	+	58851309	58851330	TTCACTGGGCTCCCCTATTTTG	1857
TJU_CMC.ID01857.5p-miR	3	+	59716059	59716080	GAGGTCAAAAGGCAGGAGATCC	1858
TJU_CMC.ID01858.3p-miR	3	-	59756251	59756272	CACTTCACTGCTGGGAGTTTGC	1859
TJU_CMC.ID01859.3p-miR	3	-	59835148	59835169	CATATCGCATGCATTATTTGAT	1860
TJU_CMC.ID01860.5p-miR	3	-	60025281	60025302	TAGTGATAATCCAGCTCTCAAT	1861
TJU_CMC.ID01861.5p-miR	3	+	60141338	60141359	GCTGGGCCATCAAATACCCCAA	1862
TJU_CMC.ID01862.3p-miR	3	-	60387007	60387029	ACCAGCACAGCTGTCTTTCATGA	1863
TJU_CMC.ID01863.3p-miR	3	-	62162068	62162089	TTTGGACATAAGAGGATCTTGG	1864
TJU_CMC.ID01864.5p-miR	3	+	62227881	62227900	TAGCTTAAGTCTGACTAACT	1865
TJU_CMC.ID01865.3p-miR	3	-	62861167	62861186	CCGCGCTCTCCCCCCTCCAG	1866
TJU_CMC.ID01866.5p-miR	3	-	63024496	63024518	TTTGACACTACTCAGCAAGACTC	1867
TJU_CMC.ID01867.5p-miR	3	-	63311480	63311501	TGCATGGGCTTGCACAGGGTCC	1868
TJU_CMC.ID01868.3p-miR	3	-	63786631	63786652	TTGCTTATCAGATGAGCAGGTC	1869
TJU_CMC.ID01869.5p-miR	3	-	63849682	63849701	CGCGGCCGCCCCGGGGAGT	1870
TJU_CMC.ID01870.5p-miR	3	+	63896744	63896765	TAGTCAGAGAAAGCACTTGTGA	1871
TJU_CMC.ID01871.5p-miR	3	+	64373613	64373635	AGCTACATCACTTATCAAAGGGA	1872
TJU_CMC.ID01872.5p-miR	3	-	64488980	64489001	CATGTAGGGATTATTACAATTA	1873
TJU_CMC.ID01873.5p-miR	3	-	65054154	65054173	CCTGGTCCCCTTGAATCAGT	1874
TJU_CMC.ID01874.3p-miR	3	-	65163327	65163347	TAGCACCATTTCTGGCTTCAA	1875
TJU_CMC.ID01875.5p-miR	3	+	65252992	65253014	CAGCTGTTCCGTCTGTACTCACT	1876
TJU_CMC.ID01876.3p-miR	3	-	65501333	65501355	CTTTGGATACTTAACTGTTGATA	1877
TJU_CMC.ID01877.3p-miR	3	-	65941114	65941134	GCTAGAATCAAGGTGCAACTG	1878
TJU_CMC.ID01878.3p-miR	3	-	65977036	65977056	TTGGAAACCAGCTTCATGAGT	1879
TJU_CMC.ID01879.3p-miR	3	-	66047406	66047428	GAGCTTAGACTCTTGATTGGTCA	1880
TJU_CMC.ID01880.3p-miR	3	+	66121249	66121272	ACTGGGCAACAAAGTGAGACCTAT	1881
TJU_CMC.ID01881.5p-miR	3	-	67569738	67569760	ATCCAGTTTTTCCAGCTTAGGGT	1882

Table 1. Novel miRNA sequences

TJU_CMC.ID01882.3p-miR	3	-	67882224	67882245	TTCTCATAGTTCTACTACACGG	1883
TJU_CMC.ID01883.5p-miR	3	+	68046458	68046479	GAAGCAGGTATCAGTGAGGCAA	1884
TJU_CMC.ID01884.3p-miR	3	+	68049976	68049996	TAGGTGGTAGTGACTGATTGG	1885
TJU_CMC.ID01885.5p-miR	3	+	68323734	68323755	TGCTGTGGGAAGCAATATTTTC	1886
TJU_CMC.ID01886.5p-miR	3	-	68376838	68376860	TGCACTGGGCAGTAATACCCCAA	1887
TJU_CMC.ID01887.5p-miR	3	-	68752165	68752186	ACTGTGCCATTCTTCTCCCTAG	1888
TJU_CMC.ID01888.5p-miR	3	+	69227203	69227225	TGCCTCATCACTGGGCGTTTGTT	1889
TJU_CMC.ID01889.3p-miR	3	-	69308921	69308942	TAGAAATGTGCTATGGTTGCAA	1890
TJU_CMC.ID01890.3p-miR	3	+	69420370	69420391	GCTACAACTCTGAGGCTGGAAT	1891
TJU_CMC.ID01891.5p-miR	3	+	69455790	69455812	GGCAGCAAACATGTCCTTAGGGG	1892
TJU_CMC.ID01892.5p-miR	3	+	69923684	69923705	TGTATTGCGAAGCACAGAGATA	1893
TJU_CMC.ID01893.3p-miR	3	-	70757639	70757659	TGGAGCAGGATGTCATGAGAG	1894
TJU_CMC.ID01894.3p-miR	3	+	70785282	70785303	TGAGTCAGACAGAAATATTTTT	1895
TJU_CMC.ID01895.3p-miR	3	+	71299673	71299693	TTCATGACAATCGGATCTTAA	1896
TJU_CMC.ID01896.3p-miR	3	-	71512083	71512102	TGGGGCGTAGGAGGTGGTTT	1897
TJU_CMC.ID01897.5p-miR	3	+	71624172	71624192	GTCCAGTTTTCCCACTTTGGT	1898
TJU_CMC.ID01898.5p-miR	3	-	71928819	71928840	ATTTTAGGAAATTCTGATTTGG	1899
TJU_CMC.ID01899.5p-miR	3	+	72050797	72050819	GAGGGCAAAAGGGTCCTTGGTGG	1900
TJU_CMC.ID01900.5p-miR	3	+	72415648	72415669	TGGAACAGCAACTCCATGGGTT	1901
TJU_CMC.ID01901.3p-miR	3	+	72589738	72589759	TCCCTGAGTCCCTAATAACACT	1902
TJU_CMC.ID01902.3p-miR	3	+	72948783	72948804	TCTCAACTGCCAACACTTGACA	1903
TJU_CMC.ID01903.3p-miR	3	+	73306068	73306089	TGTAGACTTTCTCTATAGGTTG	1904
TJU_CMC.ID01904.3p-miR	3	-	73356255	73356274	ACATGTGAACAGCAGTTGGG	1905
TJU_CMC.ID01905.3p-miR	3	-	73447535	73447554	CTGACCTACAGGCCACAGAC	1906
TJU_CMC.ID01906.5p-miR	3	+	73465383	73465406	AGCTACTAAATAGTAGTTTGGGAG	1907
TJU_CMC.ID01907.5p-miR	3	-	73569069	73569091	AGGAGCATTGTACAGCCTGTACT	1908
TJU_CMC.ID01908.5p-miR	3	-	73743486	73743505	GACTGGATACTTAACCCCAT	1909
TJU_CMC.ID01909.3p-miR	3	+	73875179	73875201	AAACTGTGCTAGGTCTTTACCAT	1910
TJU_CMC.ID01910.3p-miR	3	-	75212175	75212194	AGACAAGATGCTGGCTATCT	1911
TJU_CMC.ID01911.3p-miR	3	-	75305380	75305401	AGCAGCATTGTACCTTTACTTC	1912
TJU_CMC.ID01912.5p-miR	3	-	75718048	75718067	GCCGGAATTTCACCGACGGA	1913

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TJU_CMC.ID01913.5p-miR	3	-	75827212	75827233	GTATCTGGTTTAGCAGGACACT	1914
TJU_CMC.ID01914.5p-miR	3	-	76306181	76306202	GGCTGGGCCGAGGGGCTTGGGT	1915
TJU_CMC.ID01915.3p-miR	3	+	76397541	76397560	CTGACCTATGAATTACCATT	1916
TJU_CMC.ID01916.3p-miR	3	-	76748308	76748329	TGAGATTAAGCTGACATCTGAT	1917
TJU_CMC.ID01917.3p-miR	3	+	77461791	77461811	CCCAGTGTTCTCTGAGTTCAA	1918
TJU_CMC.ID01918.5p-miR	3	-	77965526	77965545	ACAAAGACACCCCCCACACA	1919
TJU_CMC.ID01919.5p-miR	3	-	78889464	78889485	TAAGTGGTAGACTGGCTATAAT	1920
TJU_CMC.ID01920.3p-miR	3	+	79063705	79063726	TGTCTACTTCCACTGTATCCCT	1921
TJU_CMC.ID01921.3p-miR	3	-	79438761	79438780	CCTCTTCACAGTGACCAATC	1922
TJU_CMC.ID01922.5p-miR	3	-	79471986	79472007	TGAGTACCACAGAAATAAAAAT	1923
TJU_CMC.ID01923.3p-miR	3	-	79610122	79610141	AATATCGGTTGGGAAAAAAA	1924
TJU_CMC.ID01924.5p-miR	3	+	79725947	79725966	ACACACACCCATAAACACCA	1925
TJU_CMC.ID01925.3p-miR	3	-	80016487	80016508	TTCTGATAATCCAGGATAGTCT	1926
TJU_CMC.ID01926.3p-miR	3	-	80262715	80262736	AACAGCATAAGAATAGATATGA	1927
TJU_CMC.ID01927.5p-miR	3	+	80388949	80388970	TTCTTCAGGCTTTCAGCAGATC	1928
TJU_CMC.ID01928.3p-miR	3	+	80710357	80710378	TTCAAGTAATTCAGCAATCTGC	1929
TJU_CMC.ID01929.3p-miR	3	-	81029648	81029670	GCTTGATGGGAAAGAAGGCTTTG	1930
TJU_CMC.ID01930.5p-miR	3	+	81198037	81198058	TTCAAGTAATCACTAGGTCCAT	1931
TJU_CMC.ID01931.3p-miR	3	+	81800349	81800371	TATAGACTCCTCTCAGGAACAGT	1932
TJU_CMC.ID01932.5p-miR	3	-	82267879	82267900	TATCATGTCACCTTTATAAAAA	1933
TJU_CMC.ID01933.5p-miR	3	-	83802144	83802166	TAGCTCAAGTCTGTCTACAATCT	1934
TJU_CMC.ID01934.3p-miR	3	-	85679355	85679375	AAAGATCAAACCAGAGAACAT	1935
TJU_CMC.ID01935.5p-miR	3	-	85982267	85982286	GGAAGGTCACCACCAGGATC	1936
TJU_CMC.ID01936.3p-miR	3	-	86085816	86085837	GCTGAGTAACTTGACTATGATC	1937
TJU_CMC.ID01937.3p-miR	3	-	86595638	86595657	ATCACATTGCCCTTTCTCAA	1938
TJU_CMC.ID01938.3p-miR	3	-	88072109	88072128	GTCCAGTTTTCCCATGCCAT	1939
TJU_CMC.ID01939.3p-miR	3	-	88327695	88327714	TAGCTTATCAGAAGTCTGGA	1940
TJU_CMC.ID01940.3p-miR	3	+	88520800	88520821	ACTGATAATGGTAATCGTCTTT	1941
TJU_CMC.ID01941.5p-miR	3	-	88558921	88558942	TGGCTTATCAGATCAGACTCTG	1942
TJU_CMC.ID01942.3p-miR	3	-	88623579	88623599	CTGCCAACAACCTGACAAAGC	1943
TJU_CMC.ID01943.5p-miR	3	-	88907674	88907696	TCCAGGAGAGACAGAGAGAGTAA	1944

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TJU_CMC.ID01944.5p-miR	3	-	89182992	89183013	ATTAAAAAAGCCGTGGTCACTG	1945
TJU_CMC.ID01945.3p-miR	3	+	89508267	89508286	GCAAACCACCAAGTCACATG	1946
TJU_CMC.ID01946.5p-miR	3	-	90095461	90095482	ACTCCATCATCAAATGCAAGAA	1947
TJU_CMC.ID01947.5p-miR	3	-	94035220	94035242	ATGTAATAGTGACACTACTTGAC	1948
TJU_CMC.ID01948.3p-miR	3	-	94250490	94250510	GATCAACCCTTAACATGGTCA	1949
TJU_CMC.ID01949.3p-miR	3	-	94291286	94291308	TGCATGGGCCCATGCAATAGACA	1950
TJU_CMC.ID01950.5p-miR	3	-	95272888	95272908	GTCCAGTTTTCCCAGAAGCTT	1951
TJU_CMC.ID01951.3p-miR	3	-	95374752	95374773	GTCAGTAGATTGATTTAACTTA	1952
TJU_CMC.ID01952.5p-miR	3	-	95807178	95807199	TTAGTCAAATGACCATACAATG	1953
TJU_CMC.ID01953.5p-miR	3	+	96212274	96212296	CAGCTGTAGTAGCACTACAAAGT	1954
TJU_CMC.ID01954.5p-miR	3	+	96262944	96262963	GTTTGACTGGGGATTGCACA	1955
TJU_CMC.ID01955.5p-miR	3	-	96503898	96503917	CCCGATTAGTAGAACTACAG	1956
TJU_CMC.ID01956.3p-miR	3	-	96712435	96712457	GGCAGCAAACATTGAAGCATTTC	1957
TJU_CMC.ID01957.3p-miR	3	-	97041289	97041310	ATAGTGGGTAACTTCTAAAGGT	1958
TJU_CMC.ID01958.3p-miR	3	+	97087785	97087804	TAGGTTGACCTGTTTTGTAT	1959
TJU_CMC.ID01959.3p-miR	3	-	97766162	97766183	TCATGAATCCGAGCCTTCTGTG	1960
TJU_CMC.ID01960.5p-miR	3	+	97960148	97960169	GAGACTACAGCACTCCAGGAAG	1961
TJU_CMC.ID01961.3p-miR	3	+	98003037	98003058	ATCACATTTAACTGGATTGTGG	1962
TJU_CMC.ID01962.5p-miR	3	+	99004843	99004863	TTGGGCATCTAGGTCACTTGA	1963
TJU_CMC.ID01963.3p-miR	3	-	99347721	99347740	GAACTAATGCTCTGTGGGCC	1964
TJU_CMC.ID01964.3p-miR	3	+	99482548	99482569	CTCTACAATCCATGCACCCAGT	1965
TJU_CMC.ID01965.3p-miR	3	-	99619066	99619087	TGTCTCAAACTCAAGGAGGTTG	1966
TJU_CMC.ID01966.5p-miR	3	+	99658552	99658574	TAGCTTATCAGGTGAATGCTTGT	1967
TJU_CMC.ID01967.5p-miR	3	+	99718460	99718480	CGGGATATAGGCTTTTCAGTC	1968
TJU_CMC.ID01968.5p-miR	3	-	100333549	100333571	TTTAATAAGTAGGGAAATAAAAA	1969
TJU_CMC.ID01969.3p-miR	3	-	100477301	100477322	CAGTGTTTGTCAAATTCCCCAA	1970
TJU_CMC.ID01970.5p-miR	3	-	100494010	100494029	CACTGGATACTTAGCTGTGA	1971
TJU_CMC.ID01971.5p-miR	3	-	100744954	100744975	TCCCTGAAATTTCGACTTGTGA	1972
TJU_CMC.ID01972.3p-miR	3	-	100872592	100872611	ATATAAAGTGGTCATACTAC	1973
TJU_CMC.ID01973.3p-miR	3	+	101594421	101594442	ATCCTCATTAGGTCTTATCGCT	1974
TJU_CMC.ID01974.3p-miR	3	-	101616775	101616796	ACTGTACCCAGCTGGGAAATGC	1975

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TJU_CMC.ID01975.3p-miR	3	+	101750383	101750404	TAGAAAGGTTTAACAGCCACAC	1976
TJU_CMC.ID01976.3p-miR	3	-	102587534	102587553	ACTCAATATGGCAGGAACTA	1977
TJU_CMC.ID01977.5p-miR	3	+	102758754	102758776	AGCAGCATAGTACAGGGCTAGTC	1978
TJU_CMC.ID01978.5p-miR	3	+	103165572	103165591	CAAAATGAATGTAAGAAAGG	1979
TJU_CMC.ID01979.3p-miR	3	+	104397603	104397623	CAGCACACGGGTCAATCGCAA	1980
TJU_CMC.ID01980.3p-miR	3	-	104815224	104815245	AGACACCCACTAGTAGCCCTCA	1981
TJU_CMC.ID01981.5p-miR	3	+	105072231	105072251	TTGGGGTGGAAGGTACCAGGA	1982
TJU_CMC.ID01982.5p-miR	3	-	105240852	105240873	ACTCCATTTGTTTTGGCAGCAA	1983
TJU_CMC.ID01983.3p-miR	3	-	106325362	106325385	GTGAGCTGTTCTGGTACCCTCTGG	1984
TJU_CMC.ID01984.3p-miR	3	+	106483726	106483747	TAGCAGCAGTGAAAATACAAAT	1985
TJU_CMC.ID01985.5p-miR	3	+	107009856	107009875	GTTTAAGCGATCTAGTCTAT	1986
TJU_CMC.ID01986.5p-miR	3	+	107219747	107219767	GCCCCGGCAGTGCCACCAAAT	1987
TJU_CMC.ID01987.5p-miR	3	+	107680111	107680130	AAAGTGGAGAAATGTATGGT	1988
TJU_CMC.ID01988.3p-miR	3	+	107710251	107710270	GCAAACCACCAAGTCAGGGA	1989
TJU_CMC.ID01989.3p-miR	3	+	107951217	107951239	CCTGGAACATAAACTGCGCTACT	1990
TJU_CMC.ID01990.5p-miR	3	+	108161869	108161888	TCTATCTCCTGCATCACCCC	1991
TJU_CMC.ID01991.5p-miR	3	-	109550276	109550295	ACCGGTTTTCAACAAGGAGT	1992
TJU_CMC.ID01992.5p-miR	3	+	110264152	110264174	AGCAGCAAACATTGAATATCCCA	1993
TJU_CMC.ID01993.3p-miR	3	-	111309675	111309694	AACTGCTGAGTACACTCTGG	1994
TJU_CMC.ID01994.5p-miR	3	+	111455869	111455890	TGAGTCAAACAGTTGCCAAATG	1995
TJU_CMC.ID01995.5p-miR	3	+	111510181	111510202	AGGTAAATGACAAGATGATTCT	1996
TJU_CMC.ID01996.3p-miR	3	-	112052336	112052355	GCCCCCGGAGCCCCGGCCTG	1997
TJU_CMC.ID01997.5p-miR	3	+	112453169	112453188	CTTACTAAAGAAGAAGCTGA	1998
TJU_CMC.ID01998.5p-miR	3	+	112731328	112731348	GTCACTCCCGATTTTTTTAGT	1999
TJU_CMC.ID01999.3p-miR	3	-	112786693	112786714	ATCACAGTGGGTCCCTCATGGC	2000
TJU_CMC.ID02000.5p-miR	3	-	112888199	112888218	CATCTGGGGTATTTGTAAAA	2001
TJU_CMC.ID02001.3p-miR	3	-	112906340	112906359	CTTCAGGACTTCAATGAGGG	2002
TJU_CMC.ID02002.5p-miR	3	+	112968117	112968137	ACAATAGTCTGCACTAACCAC	2003
TJU_CMC.ID02003.3p-miR	3	-	113353016	113353035	GCAGAGGAGCTGTTTTTATT	2004
TJU_CMC.ID02004.3p-miR	3	+	113379405	113379424	GATGATGCCACCACTGTAGC	2005
TJU_CMC.ID02005.5p-miR	3	+	114023501	114023523	AGCAGACCCAGCACTTCCTCCAT	2006

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TJU_CMC.ID02006.5p-miR	3	+	114024856	114024878	TGGCTCAGTTCAAGTCCAACAGC	2007
TJU_CMC.ID02007.5p-miR	3	+	114316326	114316345	ACTGTGCCATTGAAAGCAGT	2008
TJU_CMC.ID02008.5p-miR	3	-	115075051	115075072	TATATCCCCAGTAGTGGGGTTG	2009
TJU_CMC.ID02009.5p-miR	3	+	115150177	115150198	CTGGAACATTTGGTGATGAAGT	2010
TJU_CMC.ID02010.3p-miR	3	+	115372384	115372405	GGCGGGGTGAAATACCACTATT	2011
TJU_CMC.ID02011.5p-miR	3	-	116253014	116253036	TGATCATGAGTCTGATGGACAGT	2012
TJU_CMC.ID02012.5p-miR	3	+	116581844	116581866	ACTTGATTTTTTTAAAGGCTTTC	2013
TJU_CMC.ID02013.3p-miR	3	+	116670052	116670071	TAAGGCAATGGTAATGTACT	2014
TJU_CMC.ID02014.5p-miR	3	+	117272276	117272296	TTTGCATCAGAGGCTATTTGT	2015
TJU_CMC.ID02015.5p-miR	3	-	117589168	117589189	AGGCAAGATGTCAATCGCTTAG	2016
TJU_CMC.ID02016.5p-miR	3	+	117704041	117704060	TTTATAACTGCTCCCTATGA	2017
TJU_CMC.ID02017.3p-miR	3	-	117899139	117899160	TGTCAACCCACTGGGAGTTCCT	2018
TJU_CMC.ID02018.5p-miR	3	+	118093607	118093629	TGACAGAAAGAAACTTCCGAAAG	2019
TJU_CMC.ID02019.5p-miR	3	+	118424338	118424358	AGGGACTCTGGGAATGTCACT	2020
TJU_CMC.ID02020.5p-miR	3	+	118473962	118473984	AATCAACAGTATGGTATGTTTGG	2021
TJU_CMC.ID02021.5p-miR	3	+	119184153	119184175	AATGATGTAGCTGTCTTTATGTT	2022
TJU_CMC.ID02022.3p-miR	3	+	119245166	119245185	TTGGGTACACGGCTTCATTT	2023
TJU_CMC.ID02023.5p-miR	3	+	119402423	119402443	TAGGGTTCCCAACATGGTCAC	2024
TJU_CMC.ID02024.5p-miR	3	-	119963742	119963763	CAGCACCATCCAGGATCAGACA	2025
TJU_CMC.ID02025.5p-miR	3	+	120712378	120712398	GTCCAGTTTTCCCAACCCTGT	2026
TJU_CMC.ID02026.5p-miR	3	-	121528658	121528678	CATCATTACTTTTGTGCTATA	2027
TJU_CMC.ID02027.3p-miR	3	-	121744352	121744374	AGAAGCATTGTACAGCTAGGGTG	2028
TJU_CMC.ID02028.5p-miR	3	-	121888934	121888957	CACCCAGAAGGAATGATGAGGGCA	2029
TJU_CMC.ID02029.5p-miR	3	+	122418358	122418378	AGCACCATTTGAAGAGTCACT	2030
TJU_CMC.ID02030.3p-miR	3	+	122599764	122599785	CTTCTAAGACCCTAACTTGTGA	2031
TJU_CMC.ID02031.3p-miR	3	-	122692549	122692569	TGCCCTCCTTGGGAATCTACA	2032
TJU_CMC.ID02032.5p-miR	3	-	123056478	123056500	GAGACTGCCTTGTGAAAGCACAG	2033
TJU_CMC.ID02033.5p-miR	3	-	123381119	123381138	TGCATCAGAGGCTAAGTGGG	2034
TJU_CMC.ID02034.5p-miR	3	-	123395947	123395969	AGCAGCAAAAGTGTCCTGAGGGA	2035
TJU_CMC.ID02035.5p-miR	3	+	123477935	123477956	GTGCTAGGATCATAAGCATGAG	2036
TJU_CMC.ID02036.5p-miR	3	-	123500585	123500604	ATTTGTGAGGACTGTGGTGT	2037

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TJU_CMC.ID02037.3p-miR	3	+	124327651	124327672	ATTAGTACATTGAAAGCCAGCA	2038
TJU_CMC.ID02038.3p-miR	3	-	124516765	124516784	CAGATCCAGTGAGTCTGTTT	2039
TJU_CMC.ID02039.5p-miR	3	+	124563490	124563510	TGGAGCAGGGTCTACCAGGAA	2040
TJU_CMC.ID02040.5p-miR	3	-	124585252	124585272	GGATGGCACTCAAATAATGTA	2041
TJU_CMC.ID02041.5p-miR	3	+	124658520	124658541	TTCTTGCAGGAGCTGATATCGG	2042
TJU_CMC.ID02042.3p-miR	3	-	124718581	124718600	ATCACATTGCCAGGCTTTAT	2043
TJU_CMC.ID02043.3p-miR	3	+	124747647	124747667	GCAAACCACCAAGCTGTGCAC	2044
TJU_CMC.ID02044.3p-miR	3	+	124932979	124933001	CATTATGCAGTCACCGCTTGGCA	2045
TJU_CMC.ID02045.3p-miR	3	-	124973148	124973170	TACATGGTAGGTACATTTGTCAA	2046
TJU_CMC.ID02046.3p-miR	3	-	125062898	125062917	AATGCGTGCATTTAACAGAA	2047
TJU_CMC.ID02047.5p-miR	3	+	126101042	126101061	ATCGACGCTGACTGTGGGCT	2048
TJU_CMC.ID02048.3p-miR	3	-	126538387	126538407	CCATGGCAGTCATTGCCTGGC	2049
TJU_CMC.ID02049.3p-miR	3	-	126727775	126727797	TGCATACCCACTGTTATAGGCAG	2050
TJU_CMC.ID02050.3p-miR	3	+	126797866	126797888	GAGCTTCGTGAGTGTCGTGGTCC	2051
TJU_CMC.ID02051.5p-miR	3	+	126826272	126826291	TGACCCGCAGGCTGTCAGCC	2052
TJU_CMC.ID02052.5p-miR	3	-	127366691	127366713	ACAGCTCAACATGGGCCTGGACA	2053
TJU_CMC.ID02053.5p-miR	3	-	127633419	127633440	TATGTCTCACTGGATTGAAATC	2054
TJU_CMC.ID02054.5p-miR	3	-	127844989	127845012	AGCTGGTATCCTACACTCTCAGCA	2055
TJU_CMC.ID02055.5p-miR	3	+	127852059	127852079	GCTACAGTAGACTAGAGCACC	2056
TJU_CMC.ID02056.3p-miR	3	+	127880748	127880770	AAATAACATACTGGGGGCTTGAC	2057
TJU_CMC.ID02057.5p-miR	3	+	127886219	127886240	ATATCGGAATGAATGAATGAAT	2058
TJU_CMC.ID02058.5p-miR	3	-	128111074	128111093	TCTGCAATGTCTGCTGCCCT	2059
TJU_CMC.ID02059.5p-miR	3	+	128399327	128399347	CAGACGCCACCACGCTGGCTA	2060
TJU_CMC.ID02060.3p-miR	3	-	128679094	128679113	TCCGAGTCACGGCACCACAT	2061
TJU_CMC.ID02061.3p-miR	3	+	129250864	129250885	TGGTGTCATCTGGTAACGCAGC	2062
TJU_CMC.ID02062.3p-miR	3	-	129317350	129317371	GCCTGTAGCTGTCTCCACCCAC	2063
TJU_CMC.ID02063.5p-miR	3	-	129319916	129319939	TGCCACTGATGGGGGGAAACTGAGG	2064
TJU_CMC.ID02064.3p-miR	3	-	129685498	129685520	TAGCTTATCACTGTGAGACACTG	2065
TJU_CMC.ID02065.5p-miR	3	+	131725584	131725605	ATCAGAAGTAACTGGATTTCCA	2066
TJU_CMC.ID02066.3p-miR	3	+	132511284	132511304	GTTTAGTGGGGTATTTGTGTG	2067
TJU_CMC.ID02067.3p-miR	3	-	132984249	132984270	GAAAGTGCTGCACTGTACTGCA	2068

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TJU_CMC.ID02068.5p-miR	3	+	133094316	133094337	TATGCAAATCCATGCAAATAAT	2069
TJU_CMC.ID02069.3p-miR	3	-	133111608	133111630	TGAGAGGTGCTGGTCCTTAGGGA	2070
TJU_CMC.ID02070.3p-miR	3	-	133689439	133689460	ATCCATGCGATCTAGCTGGGGC	2071
TJU_CMC.ID02071.3p-miR	3	+	133690579	133690600	AGGGTGAGCATCTATGAACTAG	2072
TJU_CMC.ID02072.5p-miR	3	+	133780301	133780323	GTGGTGTGTTCCTGAGGGTCCCT	2073
TJU_CMC.ID02073.5p-miR	3	+	133782051	133782071	GGATCAATCAGTTTACAAAAC	2074
TJU_CMC.ID02074.3p-miR	3	-	134127409	134127430	TAGTGCAATGTTAACCTTCCAT	2075
TJU_CMC.ID02075.5p-miR	3	-	134313900	134313919	CCATATCAGAGGCTATTCAG	2076
TJU_CMC.ID02076.3p-miR	3	+	134656665	134656684	AGATAATCACATGTGTGAGG	2077
TJU_CMC.ID02077.3p-miR	3	-	134794562	134794583	GAACTGTGAGTCTGATGGAGTG	2078
TJU_CMC.ID02078.3p-miR	3	-	135407694	135407715	CACCAATGTTCATTTAATGATG	2079
TJU_CMC.ID02079.3p-miR	3	-	135609480	135609502	TGTCAGTTCACTGGGCCTTGGGT	2080
TJU_CMC.ID02080.3p-miR	3	+	136252507	136252526	GGATACCAAGCCACTCACGA	2081
TJU_CMC.ID02081.3p-miR	3	+	136670781	136670800	CTGCTATGTCCTTCATGTAC	2082
TJU_CMC.ID02082.5p-miR	3	+	136784104	136784125	ATGCAATGTCTGAGTAATGGCA	2083
TJU_CMC.ID02083.5p-miR	3	+	137808156	137808175	TCCCGGGTTCTAATGTGTCA	2084
TJU_CMC.ID02084.5p-miR	3	+	138703760	138703781	TCTCTGAGATTTCGGTCCTCAG	2085
TJU_CMC.ID02085.5p-miR	3	+	139553204	139553224	GCTACTGGGATTTGAAGGCTT	2086
TJU_CMC.ID02086.3p-miR	3	+	139734137	139734159	TGTAAACATCCTTGACAAGACAG	2087
TJU_CMC.ID02087.3p-miR	3	-	139810652	139810673	CGAACACAGAGGCTATTGTTCC	2088
TJU_CMC.ID02088.5p-miR	3	-	139827226	139827248	TTCCATGGGCTCCAGGAATCCCT	2089
TJU_CMC.ID02089.3p-miR	3	+	139981246	139981266	GCTGTTTGGCCTGAGGTAAAA	2090
TJU_CMC.ID02090.3p-miR	3	+	140056688	140056709	GCTAGAATTAGTTTATGGGGTT	2091
TJU_CMC.ID02091.5p-miR	3	-	140277581	140277600	CAGCAGGTCTCCAGAAGTGG	2092
TJU_CMC.ID02092.3p-miR	3	-	140660764	140660784	GGAGAGCTGGCCGAGATGCGG	2093
TJU_CMC.ID02093.3p-miR	3	-	140770418	140770439	GGCCCCCGGCGCGCCGGGCGTC	2094
TJU_CMC.ID02094.3p-miR	3	+	140938703	140938723	CCCAGCCCTGCTTTTTGTGGC	2095
TJU_CMC.ID02095.3p-miR	3	-	141135274	141135295	CCTAAGATATCCAGCTGCACTC	2096
TJU_CMC.ID02096.5p-miR	3	+	141304688	141304709	ATTTGTAAATTAGGGATTTCCT	2097
TJU_CMC.ID02097.3p-miR	3	-	142145226	142145247	TAGCTTATCAAGTTGATGTAGC	2098
TJU_CMC.ID02098.5p-miR	3	+	142564455	142564474	ATTTTACTTACATTCTTGAA	2099

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TJU_CMC.ID02099.3p-miR	3	+	143130142	143130161	TTTTAATCTAAAGGACCAAA	2100
TJU_CMC.ID02100.3p-miR	3	+	143961330	143961349	ATGACCTATGAATTGAGGTG	2101
TJU_CMC.ID02101.5p-miR	3	-	144042616	144042635	TTGGGGACACTAAGAGCCCA	2102
TJU_CMC.ID02102.3p-miR	3	-	144122820	144122841	TAGCTTATACTCGCAGAAGCAG	2103
TJU_CMC.ID02103.5p-miR	3	+	144667742	144667765	TTGTATTCAACTTCAGGCTTAGTC	2104
TJU_CMC.ID02104.3p-miR	3	-	145018753	145018775	TAGCTTACTGTGCTGATGAAGAA	2105
TJU_CMC.ID02105.5p-miR	3	+	145858156	145858176	CCCAGTGAAGTCTGATTTCAC	2106
TJU_CMC.ID02106.5p-miR	3	-	146693443	146693465	AGCAGCAGGAAACAGGGCTATCT	2107
TJU_CMC.ID02107.5p-miR	3	+	147248931	147248950	TCGAGATAAGGATTGGCATC	2108
TJU_CMC.ID02108.3p-miR	3	-	148270976	148270997	TGAGTTGGGTCTGGTCTGTTTG	2109
TJU_CMC.ID02109.3p-miR	3	+	149879113	149879133	TTCCGTTATGAGTAATAATGC	2110
TJU_CMC.ID02110.3p-miR	3	-	149937168	149937189	AGCTATGAAGCTGCTCAGGTTG	2111
TJU_CMC.ID02111.5p-miR	3	-	149959134	149959154	CCTTGAACGCAGGAGGTAGAG	2112
TJU_CMC.ID02112.5p-miR	3	+	150480040	150480061	TGTCAACCCAGACCTACACCCA	2113
TJU_CMC.ID02113.5p-miR	3	-	150547160	150547182	TGGGATTTTTCAGTGAAGGTGAC	2114
TJU_CMC.ID02114.5p-miR	3	+	152065426	152065446	ACTGGACTTGGAGTCAGTTAT	2115
TJU_CMC.ID02115.3p-miR	3	+	152160507	152160528	TGATGATGTCTATTAGGGAAAA	2116
TJU_CMC.ID02116.3p-miR	3	-	152781197	152781216	AGAGATGCTGGTTCGAGGTA	2117
TJU_CMC.ID02117.5p-miR	3	-	153621176	153621199	CATCCTCATGGCTCTTGCTTGTGT	2118
TJU_CMC.ID02118.3p-miR	3	+	153869825	153869846	TTCATCATTAACAGTTATCAGG	2119
TJU_CMC.ID02119.5p-miR	3	+	154768736	154768757	ATAGTTGGGCAGAAAGCAAAAC	2120
TJU_CMC.ID02120.5p-miR	3	-	154926417	154926439	GCTTGGTTCCTTTGAAGGCTTCT	2121
TJU_CMC.ID02121.5p-miR	3	+	155591286	155591308	AGCTATCCTCCCACTTTAGCGTC	2122
TJU_CMC.ID02122.5p-miR	3	+	155665530	155665551	CCATGTCACTCATGTAATGTAG	2123
TJU_CMC.ID02123.5p-miR	3	-	156038912	156038933	AGTGTGCACTACAGACAGGGGT	2124
TJU_CMC.ID02124.3p-miR	3	-	156233245	156233266	ACCTGCTGAGTACAGCTGAAAT	2125
TJU_CMC.ID02125.5p-miR	3	+	156245856	156245877	GTAGTCAGGTAGTTTATGGGCA	2126
TJU_CMC.ID02126.3p-miR	3	+	156304942	156304961	CAAAACTTATATGACTTATT	2127
TJU_CMC.ID02127.3p-miR	3	-	157017740	157017761	AAACACTTCGCAGGGATGTCGT	2128
TJU_CMC.ID02128.5p-miR	3	-	157163882	157163904	CTATGCTGTAATATGGTGATGTC	2129
TJU_CMC.ID02129.3p-miR	3	+	157298082	157298103	TAGCAGCCCCATAATATTGTAT	2130

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TJU_CMC.ID02130.3p-miR	3	+	157392400	157392421	TCTTTCTTCCTTTTTCTTGTTG	2131
TJU_CMC.ID02131.5p-miR	3	+	157420442	157420462	TAGCAGCACGGCCATGCCACT	2132
TJU_CMC.ID02132.5p-miR	3	-	158753033	158753054	TGTCATGTCCATGGTAACCCCA	2133
TJU_CMC.ID02133.3p-miR	3	+	159030566	159030585	CTGACCTATGAATTAAAAAG	2134
TJU_CMC.ID02134.3p-miR	3	+	159183596	159183618	TGGCTCAGCCTGAGTCCTTATTG	2135
TJU_CMC.ID02135.5p-miR	3	-	159251849	159251870	GTCCAGTTGTCTTTTACCCCCA	2136
TJU_CMC.ID02136.3p-miR	3	-	159339510	159339529	TGGGACGAGATCATACCATT	2137
TJU_CMC.ID02137.3p-miR	3	-	159525761	159525781	GAACAGGGCTCTTGAGTTAG	2138
TJU_CMC.ID02138.5p-miR	3	+	161469902	161469924	GAGCTTATCATACTGTACTTGGT	2139
TJU_CMC.ID02139.5p-miR	3	+	161682958	161682978	ACAGGTGTCATCGGTAAAAGT	2140
TJU_CMC.ID02140.3p-miR	3	-	161804052	161804073	TAGCAGCACATCAACATGGCAC	2141
TJU_CMC.ID02141.5p-miR	3	-	162238884	162238906	ACAGTCAAGTGGAAATACCTTGG	2142
TJU_CMC.ID02142.5p-miR	3	+	162597553	162597573	TTTGGACTAGGATTTTAAGAG	2143
TJU_CMC.ID02143.3p-miR	3	-	162643456	162643478	GAAGATGATGTGGCTTCAAATCC	2144
TJU_CMC.ID02144.3p-miR	3	+	162752244	162752266	AAGACGTTGATAGGTTGGACAGT	2145
TJU_CMC.ID02145.3p-miR	3	-	163087952	163087972	TTCTTGCTGCTGCCACGTGAC	2146
TJU_CMC.ID02146.3p-miR	3	-	163662269	163662289	TGTGGTAGTAGGTTGTGAGAA	2147
TJU_CMC.ID02147.3p-miR	3	+	164044604	164044625	TTCTGAGGGCTTGAATATTTAA	2148
TJU_CMC.ID02148.3p-miR	3	+	164059155	164059174	TCTCGCTGGGGCCTCCAAAA	2149
TJU_CMC.ID02149.5p-miR	3	-	164458072	164458094	TGAGAGTCAAGTCCAGGGTGTCA	2150
TJU_CMC.ID02150.3p-miR	3	-	165032507	165032526	TTCACAGTGGCTAAGATTTG	2151
TJU_CMC.ID02151.5p-miR	3	+	165554891	165554913	AACAAAGTCTGCGTTCCCTGAAT	2152
TJU_CMC.ID02152.5p-miR	3	-	165784800	165784822	AACAAATGTGGGCTAAGTACAGT	2153
TJU_CMC.ID02153.5p-miR	3	-	166548003	166548024	TAACACACAAAGACATCAGGTG	2154
TJU_CMC.ID02154.3p-miR	3	+	166560820	166560840	CCTTAACTGCCTTCCCGTGGG	2155
TJU_CMC.ID02155.3p-miR	3	-	166689220	166689241	ATACCGTGGAGCTTAGCAGGTG	2156
TJU_CMC.ID02156.3p-miR	3	+	166838144	166838165	GCTACTACATGCTGCATGAGGA	2157
TJU_CMC.ID02157.3p-miR	3	-	167052467	167052488	TGAGTCATTAGACTTATACACA	2158
TJU_CMC.ID02158.3p-miR	3	-	167893468	167893488	TAGCACCATCTCTTTAGTGCT	2159
TJU_CMC.ID02159.5p-miR	3	+	167989810	167989831	TCCCTGGCTGGAGCTGATGTGA	2160
TJU_CMC.ID02160.3p-miR	3	+	169098668	169098689	GCTACACATGGTCATAGCCAAT	2161

Table 1. Novel miRNA sequences

TJU_CMC.ID02161.5p-miR	3	+	169889472	169889494	TGTCAGTTTCACTTTATGGGTCT	2162
TJU_CMC.ID02162.3p-miR	3	+	170399118	170399138	TATTGTTCTGAGCTGAGTGAG	2163
TJU_CMC.ID02163.3p-miR	3	-	170439706	170439728	GCTAGATTTGAGTGAATTAGGGT	2164
TJU_CMC.ID02164.5p-miR	3	+	171247932	171247953	CTGACCTATTCATTGACGCATT	2165
TJU_CMC.ID02165.5p-miR	3	-	171995553	171995573	CCTATCTGAGGGGGGCAGCTG	2166
TJU_CMC.ID02166.3p-miR	3	-	172238408	172238430	ATACTTATTGAGTGAATGAACAG	2167
TJU_CMC.ID02167.3p-miR	3	-	172697925	172697946	TGACATAATGTTATTTCCATGC	2168
TJU_CMC.ID02168.3p-miR	3	+	173222068	173222090	CTATATACAGCATATGTGTACAG	2169
TJU_CMC.ID02169.5p-miR	3	+	174629850	174629870	AGAAGGTCGGCTGTGATGAAC	2170
TJU_CMC.ID02170.5p-miR	3	+	174730446	174730467	GTAAAGTGCACAGCCATGCCTA	2171
TJU_CMC.ID02171.5p-miR	3	+	174971001	174971023	AGGATGTAATGCTGCTGGTGACT	2172
TJU_CMC.ID02172.3p-miR	3	+	175946381	175946402	GAGCCCACACCTTGTACCAGTG	2173
TJU_CMC.ID02173.5p-miR	3	-	176100804	176100824	GTGAGAGATTTTAACATAATA	2174
TJU_CMC.ID02174.3p-miR	3	+	176161931	176161950	CCATCTGAGAGCATTCTTTG	2175
TJU_CMC.ID02175.5p-miR	3	-	176173768	176173790	AAAAATGCTTAGGCTGGGCACAG	2176
TJU_CMC.ID02176.3p-miR	3	+	176585942	176585961	GAAACTAACTGGGGCAGCCA	2177
TJU_CMC.ID02177.3p-miR	3	-	176650312	176650333	TAGCACGTCGACTTGCTACTTT	2178
TJU_CMC.ID02178.3p-miR	3	-	176699533	176699554	AGCTACTAATGAGTTCATTGAG	2179
TJU_CMC.ID02179.3p-miR	3	-	176734158	176734179	GGTACCTAACAGTTGCGTTTTG	2180
TJU_CMC.ID02180.3p-miR	3	+	177016063	177016084	CGATGTTGCCCAGGTAGGCAAT	2181
TJU_CMC.ID02181.5p-miR	3	+	177954451	177954472	CGATGTACATTAGGGATCCTTG	2182
TJU_CMC.ID02182.3p-miR	3	+	178198001	178198020	TCTGAATAGCTTGACTAATG	2183
TJU_CMC.ID02183.3p-miR	3	-	178642089	178642110	CCAGTACCCAGAGGTATAACCA	2184
TJU_CMC.ID02184.3p-miR	3	-	178775222	178775243	CAACCCTTAGGGTAAAACAGTC	2185
TJU_CMC.ID02185.3p-miR	3	+	179301929	179301951	CTGAATCTCTAGGGGAAAATACC	2186
TJU_CMC.ID02186.3p-miR	3	+	179426761	179426782	CCGACTTTGGGAACATGCAGTG	2187
TJU_CMC.ID02187.5p-miR	3	+	179454389	179454410	CGACAACTCTCAAGCAATAACT	2188
TJU_CMC.ID02188.5p-miR	3	-	179855083	179855104	TATCTTTTATAAGAGAAATTGA	2189
TJU_CMC.ID02189.3p-miR	3	+	179865609	179865632	AAAGTGCTCGGCTTCTAATGGTGA	2190
TJU_CMC.ID02190.3p-miR	3	-	180334114	180334136	CCTACAGCTAGCACACAAAAGGCAG	2191
TJU_CMC.ID02191.3p-miR	3	-	180337284	180337303	GCTACTACATGCCCATAGTG	2192

Table 1. Novel miRNA sequences

TJU_CMC.ID02192.3p-miR	3	+	180576690	180576711	CTGAAAGGGAAGTTTATGGGGT	2193
TJU_CMC.ID02193.3p-miR	3	-	181075425	181075447	GTCTGCAAATCCCAGGAATTTTC	2194
TJU_CMC.ID02194.5p-miR	3	+	181144749	181144768	TTGAGCAGGATGTTACGAAG	2195
TJU_CMC.ID02195.5p-miR	3	+	181175407	181175428	CATTATTACTTTTGGTATTAAG	2196
TJU_CMC.ID02196.3p-miR	3	+	181276859	181276880	TGTCAGCCACAGAAATATTTTG	2197
TJU_CMC.ID02197.3p-miR	3	+	181408710	181408731	CTGTGGATAGAATTGATAGCAC	2198
TJU_CMC.ID02198.5p-miR	3	+	181541696	181541715	TAGCTTTGTTGGACTGCCAC	2199
TJU_CMC.ID02199.5p-miR	3	-	181649112	181649131	CCTAAATATGAACCACAGTG	2200
TJU_CMC.ID02200.3p-miR	3	+	181867139	181867159	CCTGCTGAGTACATAACCAGT	2201
TJU_CMC.ID02201.3p-miR	3	+	182173049	182173070	TAGTTGATCTCTGACTGTAACT	2202
TJU_CMC.ID02202.5p-miR	3	+	182237523	182237545	TGACCTATGGGCCAGTTTCACTG	2203
TJU_CMC.ID02203.3p-miR	3	+	182478824	182478844	AAGAGTTCATATCTAATCTAA	2204
TJU_CMC.ID02204.3p-miR	3	-	182640373	182640392	GAGTAACTATAATCCTAAAA	2205
TJU_CMC.ID02205.5p-miR	3	+	182815206	182815227	TGAGATGGGATGTCACCCAGGA	2206
TJU_CMC.ID02206.5p-miR	3	+	183029008	183029030	CAGGACATCCACAGTGCAGGCAG	2207
TJU_CMC.ID02207.3p-miR	3	-	183353438	183353457	AGCGCCGGCGTCTCCTCCAG	2208
TJU_CMC.ID02208.3p-miR	3	-	183625898	183625917	AGGCTGGCGGCAGGCCTACC	2209
TJU_CMC.ID02209.3p-miR	3	+	183631176	183631196	CGCCTTGATTACACAGCATGA	2210
TJU_CMC.ID02210.5p-miR	3	+	183667307	183667328	TAGGCACGTGATGCCGCATGCG	2211
TJU_CMC.ID02211.5p-miR	3	+	183669702	183669721	GGCGTAGATGCTGGCATAGT	2212
TJU_CMC.ID02212.3p-miR	3	-	183689982	183690003	AATGTCATTAGGTCCGCTTTAG	2213
TJU_CMC.ID02213.5p-miR	3	-	184388446	184388468	CAGCTTCCCACACCATACCCCAC	2214
TJU_CMC.ID02214.5p-miR	3	-	184488195	184488215	TAGGAAACGGTTGAGGCTAAA	2215
TJU_CMC.ID02215.5p-miR	3	+	184526969	184526988	ATTTCATCTATCATATTGGC	2216
TJU_CMC.ID02216.3p-miR	3	-	185146919	185146940	CCCAAAGGTCATAGGTTATCCA	2217
TJU_CMC.ID02217.5p-miR	3	+	185271365	185271386	ATCAATTAATAAGCCGGGCGCG	2218
TJU_CMC.ID02218.3p-miR	3	-	185439617	185439639	AGCAGAAAAAGCCAGGAAGAAAG	2219
TJU_CMC.ID02219.5p-miR	3	+	185464009	185464029	GCTTGACAAATTTGACTTGGG	2220
TJU_CMC.ID02220.5p-miR	3	+	185710988	185711009	CTTGCCTTAGGGTTTAACAGCC	2221
TJU_CMC.ID02221.3p-miR	3	-	185966947	185966966	TCCAGGTGCCCCCTCCAGTG	2222
TJU_CMC.ID02223.3p-miR	3	-	186684337	186684356	ATATTCCCCGACGGGAGAGA	2223

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TJU_CMC.ID02224.5p-miR	3	-	186763489	186763511	TTATTATGAGGCACAACAGCAGA	2224
TJU_CMC.ID02225.3p-miR	3	-	187365347	187365368	TTCGTGGGGTGCAAATACCCCA	2225
TJU_CMC.ID02226.3p-miR	3	-	187457124	187457145	CGGTGGTGTCTGCAGCCGTGCA	2226
TJU_CMC.ID02227.3p-miR	3	-	187486629	187486652	TCTGTGAAAGTAAAATTTAAACGC	2227
TJU_CMC.ID02228.3p-miR	3	+	187569272	187569291	AGCAGTGTGGTTCAGTGGTA	2228
TJU_CMC.ID02229.5p-miR	3	-	187618541	187618563	GGTGTAGGAGGAGAGTTGTGTGA	2229
TJU_CMC.ID02230.3p-miR	3	-	187658173	187658193	TGAGGTAGTAGGTTGGGCTGG	2230
TJU_CMC.ID02231.5p-miR	3	+	187889379	187889400	TAGCACCATTTCTTTATGGAAT	2231
TJU_CMC.ID02232.3p-miR	3	+	187995997	187996016	GTTTATGTAGCTTACCCAAT	2232
TJU_CMC.ID02233.5p-miR	3	+	188215069	188215088	TCTAGCCGTAGAGGTGGTAT	2233
TJU_CMC.ID02234.3p-miR	3	+	188668609	188668630	GAAGCTTCTTTATTATAAACTA	2234
TJU_CMC.ID02235.5p-miR	3	-	189936929	189936948	CTGATACCATTCCGAAAAAC	2235
TJU_CMC.ID02236.5p-miR	3	-	190222685	190222704	CTCTTTGGGGAACATGTGTG	2236
TJU_CMC.ID02237.5p-miR	3	-	190292367	190292388	TGTAAACATCCTTGACTGAGTC	2237
TJU_CMC.ID02238.5p-miR	3	-	191723954	191723973	GAGTCCAGTTATCTGAGTTG	2238
TJU_CMC.ID02239.5p-miR	3	+	193373568	193373587	ACATCACCCCATAAACAGCG	2239
TJU_CMC.ID02240.3p-miR	3	+	193669831	193669852	TTCCGTTGCTGAGTCACTTGCT	2240
TJU_CMC.ID02241.5p-miR	3	-	193817800	193817822	GTGTGGGGCTTGCATGGGTGACA	2241
TJU_CMC.ID02242.3p-miR	3	+	193908954	193908976	GCCTGAGCCTCCCAGGAATCCCT	2242
TJU_CMC.ID02243.5p-miR	3	+	194089659	194089680	TCCCTGCTCAAAGCCTCCAGGC	2243
TJU_CMC.ID02244.3p-miR	3	-	194577163	194577184	GAATAATTCAGTCCATGGCCTA	2244
TJU_CMC.ID02245.3p-miR	3	+	196121542	196121562	GATGATGCCACGTAGAGATGA	2245
TJU_CMC.ID02246.5p-miR	3	-	196727233	196727254	TGAGTCAGGCAGCCATGCCCCA	2246
TJU_CMC.ID02247.3p-miR	3	-	197207001	197207020	ATCATCTTACGCCACCTAGT	2247
TJU_CMC.ID02248.3p-miR	3	-	197750689	197750710	CAAAACCACACAATTACTCTTCCA	2248
TJU_CMC.ID02249.3p-miR	3	-	197770247	197770267	ACGACGACTCATGTGCCCTGA	2249
TJU_CMC.ID02250.3p-miR	3	+	197848375	197848396	TCCTGGGGGCCGTAGATGTGGT	2250
TJU_CMC.ID02251.5p-miR	4	-	669880	669901	GCAGTAGACACGGGGAGGGCTG	2251
TJU_CMC.ID02252.3p-miR	4	-	817055	817076	TCCCTGAGATTTCGTGGTCAAG	2252
TJU_CMC.ID02253.5p-miR	4	+	864650	864669	ATCCGGGTATTTTTCTTGAA	2253
TJU_CMC.ID02254.5p-miR	4	+	1323716	1323736	GGCGCTGGAGCGTCGGGCACC	2254

Table 1. Novel miRNA sequences

TJU_CMC.ID02255.3p-miR	4	+	1710363	1710382	TATACTACATGCCATATTTT	2255
TJU_CMC.ID02256.3p-miR	4	+	1737267	1737288	AGCCCAGGATGAAACTCTGACA	2256
TJU_CMC.ID02257.3p-miR	4	-	2321731	2321752	GTCACAAACGACCCATGGGGGT	2257
TJU_CMC.ID02258.3p-miR	4	+	2758504	2758525	GGCCTTGCGGCCACAGCAGCAA	2258
TJU_CMC.ID02259.5p-miR	4	+	2785398	2785419	ATTCTTTGTTTTTGTCTTTGTT	2259
TJU_CMC.ID02260.5p-miR	4	-	2871378	2871399	TCAGTGCATGACAGAACTCCAC	2260
TJU_CMC.ID02261.5p-miR	4	+	2965216	2965238	GATAGGCTCAGCGACTACAACTC	2261
TJU_CMC.ID02262.3p-miR	4	+	3039010	3039031	GTCAGTTTGCTGGGCGTTTCAT	2262
TJU_CMC.ID02263.3p-miR	4	+	3044535	3044558	GCGCAGGTGTTGAAGTTTAGGGAC	2263
TJU_CMC.ID02264.5p-miR	4	+	3230283	3230304	CCCACCAGGAGCCTGGCACTGT	2264
TJU_CMC.ID02265.5p-miR	4	+	3373490	3373513	CTTCTAAGCTTCAGGTAGTTGTTC	2265
TJU_CMC.ID02266.3p-miR	4	-	3434473	3434492	GCTGAGGAGCCAGCGGGGCG	2266
TJU_CMC.ID02267.3p-miR	4	+	3439138	3439159	CCTTCAGAGCCCTATGAACACT	2267
TJU_CMC.ID02268.3p-miR	4	+	4290862	4290884	CAAGGAGAGAATCTCTCCCTTGT	2268
TJU_CMC.ID02269.5p-miR	4	-	4371108	4371127	GTAAAACGGGACTGATGATC	2269
TJU_CMC.ID02270.5p-miR	4	+	4629262	4629282	TGTGCTGTTTTGCGGGTTGGT	2270
TJU_CMC.ID02271.3p-miR	4	+	5158224	5158244	TCTTGACCCCTTTGATGGCTG	2271
TJU_CMC.ID02272.5p-miR	4	-	5579551	5579572	TCCACTGGGCTGTGTTTCCTTG	2272
TJU_CMC.ID02273.3p-miR	4	-	6321732	6321753	AGGCCCCGCCCCACCTGCCACA	2273
TJU_CMC.ID02274.3p-miR	4	+	7105633	7105654	TCCCTGACTGGCTAGTCCACAA	2274
TJU_CMC.ID02275.5p-miR	4	+	7154226	7154247	CCATCAGATCGACTCTCCACTT	2275
TJU_CMC.ID02276.3p-miR	4	-	7159279	7159300	TCTCAGTAATCCAGCTATCAGA	2276
TJU_CMC.ID02277.3p-miR	4	-	7209897	7209917	ATGTCCCAGGGGGGTGAGGAGG	2277
TJU_CMC.ID02278.5p-miR	4	+	7593470	7593489	CGCCCCACGGCAGTGATGAA	2278
TJU_CMC.ID02279.5p-miR	4	-	7768708	7768728	CTCCCGCCTTTTTCTGGGGAC	2279
TJU_CMC.ID02280.5p-miR	4	+	7807002	7807022	ATCCTGCCATTGAAAGAGCTT	2280
TJU_CMC.ID02281.5p-miR	4	-	7873431	7873452	TCCTCAGGGCAACCCCAGCGTT	2281
TJU_CMC.ID02282.3p-miR	4	-	8400987	8401010	TTCCAGTGATGCTTCCCTGAGGAT	2282
TJU_CMC.ID02283.5p-miR	4	-	8776177	8776197	GTCACATTGCCAGGGACAGTT	2283
TJU_CMC.ID02284.3p-miR	4	-	9393535	9393554	CTTAATTTTTACGGATGCCC	2284
TJU_CMC.ID02285.3p-miR	4	-	9870928	9870948	TTGGGTTTTAAGCAGGAGGCA	2285

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TJU_CMC.ID02286.5p-miR	4	-	10080283	10080305	ACTTCCCCCACCTCACTGCCCGG	2286
TJU_CMC.ID02287.5p-miR	4	+	10458497	10458520	CGCTGGGGGCGGGGAGCGCAGGCC	2287
TJU_CMC.ID02288.5p-miR	4	-	11040154	11040176	TGAGTCTTTGATAAATACCCCAA	2288
TJU_CMC.ID02289.5p-miR	4	+	11120570	11120589	TGTTTCTGTGGGGGGTGTCT	2289
TJU_CMC.ID02290.5p-miR	4	-	11197834	11197855	AATGGTAGCAACAATGAGAGTT	2290
TJU_CMC.ID02291.5p-miR	4	-	11207819	11207839	ATGTACCTCCTTTAAGCTGCT	2291
TJU_CMC.ID02292.3p-miR	4	+	11339218	11339239	TAGCTTGCTGCTATCTAGGGTC	2292
TJU_CMC.ID02293.5p-miR	4	+	11430298	11430317	CCCACCCCGCGCGCGCCGCA	2293
TJU_CMC.ID02294.3p-miR	4	-	11611072	11611093	GCAATGTAGTGCCTTTCCACTA	2294
TJU_CMC.ID02295.5p-miR	4	-	11803234	11803255	TAGCTCATCAGACTGAGCTTAT	2295
TJU_CMC.ID02296.3p-miR	4	+	11806123	11806144	CCTTCCAAAGGGTATACCATGG	2296
TJU_CMC.ID02297.3p-miR	4	+	12039142	12039163	ACTCCACAGCAGGTGTGCAATC	2297
TJU_CMC.ID02298.5p-miR	4	+	12256395	12256415	AAATGGAGAAATGTCTCTGGT	2298
TJU_CMC.ID02299.3p-miR	4	-	12358786	12358805	CCAGCATCTGTATCCAGACA	2299
TJU_CMC.ID02300.3p-miR	4	-	12687162	12687182	CAGGCTGGGGACCAGGAATCC	2300
TJU_CMC.ID02301.3p-miR	4	+	12831299	12831320	TTCCTGAGACCAGCCAGACACT	2301
TJU_CMC.ID02302.3p-miR	4	-	12873647	12873668	CTTTACTCTGGGATCAGGCTGA	2302
TJU_CMC.ID02303.5p-miR	4	+	12927792	12927812	GGTTGTGGGTTGCTCTATAGC	2303
TJU_CMC.ID02304.5p-miR	4	+	13314939	13314959	TGACGAAGTGATCTGTACAAC	2304
TJU_CMC.ID02305.3p-miR	4	-	13425236	13425256	GTAGTGTAGAAGCAGCTATGG	2305
TJU_CMC.ID02306.5p-miR	4	+	14325831	14325852	TAAACATCTGGGATCAGGTGTA	2306
TJU_CMC.ID02307.5p-miR	4	-	14410354	14410375	CATGTATTGATTCACTTAATCT	2307
TJU_CMC.ID02308.3p-miR	4	-	14831169	14831190	TGGGTCAAATCCAAATACTTTT	2308
TJU_CMC.ID02309.3p-miR	4	+	15264661	15264681	CTTTTAATGAGGGTACGTATA	2309
TJU_CMC.ID02310.5p-miR	4	-	15444425	15444445	ACCACAGGGATCTTGGTCCTG	2310
TJU_CMC.ID02311.3p-miR	4	-	15839452	15839471	GAGCTGGTGGTTCAGTGGTT	2311
TJU_CMC.ID02312.5p-miR	4	-	16009504	16009526	CTTTTTGTCATCGCCCCACAAAC	2312
TJU_CMC.ID02313.5p-miR	4	-	16094179	16094200	CCGTGGTGATCAGTGGAGGTCT	2313
TJU_CMC.ID02314.5p-miR	4	-	16462039	16462059	GGAGTTGGGTTTCAAAGTCAG	2314

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TJU_CMC.ID02315.3p-miR	4	+	17026633	17026652	GACTTGGTGGTTCAGTGGGC	2315
TJU_CMC.ID02316.5p-miR	4	-	17157241	17157263	CAAAGTGCTGCACTGCCAGCAGC	2316
TJU_CMC.ID02317.3p-miR	4	+	17157287	17157306	AGGCAAGATGCTGTACATGT	2317
TJU_CMC.ID02318.5p-miR	4	+	17565903	17565924	GTGATGCTGCTGAACATGTCAA	2318
TJU_CMC.ID02319.3p-miR	4	+	17760243	17760262	TCATTTTTATTGCACAAGTG	2319
TJU_CMC.ID02320.3p-miR	4	+	17949393	17949414	CAGAACAGATACCCACGTGATA	2320
TJU_CMC.ID02321.5p-miR	4	+	18117284	18117306	TGGTTCAGGGACTGTCCTACATG	2321
TJU_CMC.ID02322.3p-miR	4	-	18320774	18320793	CCAGGAAATGTTATCGCCAA	2322
TJU_CMC.ID02323.5p-miR	4	-	18362110	18362130	ACTGGACTTGGAGTCTCTCTA	2323
TJU_CMC.ID02324.3p-miR	4	-	18817433	18817452	TAGCACCACTTGAAATCCTG	2324
TJU_CMC.ID02325.5p-miR	4	+	19150277	19150297	GTTCAATTCCAGTCTCTAATG	2325
TJU_CMC.ID02326.5p-miR	4	+	19747559	19747579	AGTAAGTGGGTCTATGATGGG	2326
TJU_CMC.ID02327.3p-miR	4	-	19880043	19880062	CCCAATTCTGCTCCCTATAG	2327
TJU_CMC.ID02328.5p-miR	4	-	19906864	19906884	ATGGGTTTGGCTGTGTCCACC	2328
TJU_CMC.ID02329.5p-miR	4	-	20098262	20098282	TCTCCCACAAAGTGTACACTG	2329
TJU_CMC.ID02330.5p-miR	4	-	20381180	20381200	TTCACAGTGGCTAGTTTCTAT	2330
TJU_CMC.ID02331.3p-miR	4	+	21475019	21475040	AGCATAGGCTTTGTCCTTGCTC	2331
TJU_CMC.ID02332.5p-miR	4	+	21961555	21961575	TAAACCTATTGCTCCTCCATA	2332
TJU_CMC.ID02333.5p-miR	4	-	22456268	22456289	CACATGTGCATGTACACCACAC	2333
TJU_CMC.ID02334.3p-miR	4	+	22542567	22542587	TTCAGAGTGGCTAAGTTCCCT	2334
TJU_CMC.ID02335.5p-miR	4	-	22744851	22744873	TCGATCATACAGTTTATTCAATA	2335
TJU_CMC.ID02336.3p-miR	4	+	22753280	22753300	ACCCTGTAAGCTTAGGCACAG	2336
TJU_CMC.ID02337.5p-miR	4	-	23416003	23416024	ATACAGTAATTCAGGATAGGTT	2337
TJU_CMC.ID02338.3p-miR	4	-	23715747	23715767	GGTACAGATCAAACCACTGGC	2338
TJU_CMC.ID02339.5p-miR	4	-	23989102	23989121	AGGGCTGTCTGAGCTGAGTG	2339
TJU_CMC.ID02340.5p-miR	4	-	24341188	24341210	TGCATGGATCCACATGGTGGAAC	2340
TJU_CMC.ID02341.5p-miR	4	-	24796801	24796820	GCACCTTGCAAATGTGCGTG	2341
TJU_CMC.ID02342.5p-miR	4	-	24845106	24845127	GTCCAGTTTTTTTGAAGGTATT	2342
TJU_CMC.ID02343.5p-miR	4	-	25506047	25506067	TGAGGTAGGAGGTTGATGCTG	2343
TJU_CMC.ID02344.5p-miR	4	-	25707959	25707980	CTACTACCTGTCAAATACTTTG	2344
TJU_CMC.ID02345.3p-miR	4	+	25805724	25805744	TGAAGCCGTCTGGTATGGCGT	2345

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TJU_CMC.ID02346.5p-miR	4	+	25849111	25849132	TGTGAGTAATCCAGGCGCGTAC	2346
TJU_CMC.ID02347.5p-miR	4	+	25991724	25991743	ATGTTCATGTGTGAGGCCAG	2347
TJU_CMC.ID02348.5p-miR	4	-	26387569	26387590	TAGCCTGGTGTTGTGGTGCTTG	2348
TJU_CMC.ID02349.5p-miR	4	+	27131517	27131537	TCGAAGCCCCCATGGGGCTGG	2349
TJU_CMC.ID02350.3p-miR	4	+	27260359	27260379	CTGGAACTAATGCACTAGACT	2350
TJU_CMC.ID02351.3p-miR	4	+	27302994	27303014	ATCACATTGCCAGCCTGCAAA	2351
TJU_CMC.ID02352.3p-miR	4	-	27442310	27442329	AGCAGCAAGTAGACCTACAG	2352
TJU_CMC.ID02353.5p-miR	4	+	28350858	28350878	CGCCTTTAAAGTGGCTGCCTT	2353
TJU_CMC.ID02354.3p-miR	4	+	28547668	28547689	GACCTGGGATCACTGGTGTGCT	2354
TJU_CMC.ID02355.3p-miR	4	+	28678688	28678709	CCCCAACAGTAGCCTAAACTGA	2355
TJU_CMC.ID02356.3p-miR	4	+	29650564	29650583	AGGAAAGGCTGCTGTTATCC	2356
TJU_CMC.ID02357.3p-miR	4	+	30544787	30544807	AGCATAATGAAACAGGCATAG	2357
TJU_CMC.ID02358.5p-miR	4	-	30675844	30675863	ATCACATTGCCAGGGTTGTT	2358
TJU_CMC.ID02359.5p-miR	4	+	31108284	31108304	GAGTTTGACTGTTTATTTCAC	2359
TJU_CMC.ID02360.3p-miR	4	+	31607859	31607880	TGTCTCAAACTCATGATTTGGT	2360
TJU_CMC.ID02361.5p-miR	4	-	32141478	32141497	GAGTTCCTTGAATAGGGTGA	2361
TJU_CMC.ID02362.5p-miR	4	+	32391534	32391556	TCAGTCATTGTCAGGTGCTTGGG	2362
TJU_CMC.ID02363.3p-miR	4	+	32427296	32427317	CCAAATGCTTAGGTTGTCCATC	2363
TJU_CMC.ID02364.3p-miR	4	+	33065822	33065841	GATTCTCATTCAGGATCGGT	2364
TJU_CMC.ID02365.3p-miR	4	+	33125895	33125916	TAATCTGCCCTTGACTATCTAG	2365
TJU_CMC.ID02366.3p-miR	4	-	33539258	33539279	TAGCTCTGTGCTGCTTGAATGT	2366
TJU_CMC.ID02367.5p-miR	4	-	33555598	33555619	ATTGTGCTAGGTCCTCGGGATG	2367
TJU_CMC.ID02368.3p-miR	4	-	34158409	34158429	CATTATTACTTTTGCATTAGT	2368
TJU_CMC.ID02369.5p-miR	4	+	34558711	34558732	GGACAGTGGCTTGATCTAGGCT	2369
TJU_CMC.ID02370.3p-miR	4	-	34705513	34705535	GGATTTCCTTTACAAGTTACTTG	2370
TJU_CMC.ID02371.3p-miR	4	-	35221626	35221645	ACACAGAGGGCTGACAGTTG	2371
TJU_CMC.ID02372.3p-miR	4	-	35390902	35390923	CAGAAAACATGAGATGATATAT	2372
TJU_CMC.ID02373.3p-miR	4	-	35451167	35451188	GTGTACCTATCATGCAAACAGT	2373
TJU_CMC.ID02374.3p-miR	4	+	35743303	35743325	CTCTTTGGCCCTGTGCAATCACT	2374
TJU_CMC.ID02375.5p-miR	4	+	36246108	36246127	CCGCGCCTCGCCTCGGCCGC	2375
TJU_CMC.ID02376.5p-miR	4	+	37554061	37554080	GGTTTTGCCTGTGGCTCATC	2376

Table 1. Novel miRNA sequences

TJU_CMC.ID02377.5p-miR	4	+	37677721	37677740	TGCACTGGAGTCTAGTTTGT	2377
TJU_CMC.ID02378.3p-miR	4	-	37793540	37793560	CCTCTGGGCCTCCTTCTTGGC	2378
TJU_CMC.ID02379.5p-miR	4	+	37893019	37893038	GGGGCGTCGCGGCCGCCCCC	2379
TJU_CMC.ID02380.5p-miR	4	+	37925882	37925903	GTCAGTTCAAGTTTATGGGTTG	2380
TJU_CMC.ID02381.3p-miR	4	+	38788582	38788601	GAGCACGTGTTAGCTGGGGA	2381
TJU_CMC.ID02382.3p-miR	4	-	39451016	39451038	TTATCTATCACTGACTACCCAGT	2382
TJU_CMC.ID02383.3p-miR	4	-	40382808	40382827	GCTACTGCTTCTGTTCCTCA	2383
TJU_CMC.ID02384.5p-miR	4	+	40382808	40382828	TGAGGAACAGAAGCAGTAGCC	2384
TJU_CMC.ID02385.3p-miR	4	-	40527883	40527904	TAGCAGCACTGCCAGGCCAGCC	2385
TJU_CMC.ID02386.3p-miR	4	-	41025261	41025283	AGAACTGCTAACTCATGCCCCCC	2386
TJU_CMC.ID02388.5p-miR	4	+	41628801	41628822	CAACATGGCAACGATTCAGAGG	2387
TJU_CMC.ID02389.3p-miR	4	-	41690247	41690269	GCTTAGCCCTCTTGAAGGGAAAG	2388
TJU_CMC.ID02390.3p-miR	4	-	42212546	42212567	TGATAGTAATCTGAATATTTGT	2389
TJU_CMC.ID02391.5p-miR	4	-	42424041	42424060	GCATTTGTGGTTCAGTAGTT	2390
TJU_CMC.ID02392.3p-miR	4	+	42535095	42535115	ACGGACGTGCGTGACATGAAC	2391
TJU_CMC.ID02393.3p-miR	4	+	43131724	43131745	GCTCAGCCACACTTTATGGAAA	2392
TJU_CMC.ID02394.3p-miR	4	+	43277671	43277692	TTCAAGTAAGGATTCTATCTGG	2393
TJU_CMC.ID02395.3p-miR	4	+	44194455	44194476	ATCTCAAACAGTGGATGGGGTG	2394
TJU_CMC.ID02396.3p-miR	4	-	44699803	44699822	GTAGACTTCAACTGTAAGAT	2395
TJU_CMC.ID02397.5p-miR	4	+	44754335	44754355	TTTTGCTTCTAGATTGGTGTC	2396
TJU_CMC.ID02398.3p-miR	4	+	44955418	44955437	ATATACCTCAGATCAGTTAA	2397
TJU_CMC.ID02399.5p-miR	4	+	46380931	46380951	GAGAAAGTGCTTCTATCTAAT	2398
TJU_CMC.ID02400.5p-miR	4	+	46509646	46509667	AAACATGGCAATAATTCAAGTT	2399
TJU_CMC.ID02401.3p-miR	4	-	47015093	47015112	ATGTTCATTGCACTCTAATT	2400
TJU_CMC.ID02402.3p-miR	4	-	47413597	47413620	ATGTAACAAGCATTCCAATTAAGT	2401
TJU_CMC.ID02403.3p-miR	4	-	47549252	47549272	TGGCCTATGAATGTCCCTATA	2402
TJU_CMC.ID02404.3p-miR	4	+	47979565	47979588	GAGCTTATCATCAGTGCACTGACC	2403
TJU_CMC.ID02405.5p-miR	4	-	48376578	48376599	TCGATATTTTTCTAGTGCTCTT	2404
TJU_CMC.ID02406.3p-miR	4	+	48392482	48392503	TAGCACCTAGAGAAGCTAATTT	2405
TJU_CMC.ID02407.3p-miR	4	+	48793495	48793516	TGGCTCAGACCCTAGTCCATGA	2406
TJU_CMC.ID02408.5p-miR	4	-	48817268	48817289	GGCGCGACCTCAGATCACTGCA	2407

Table 1. Novel miRNA sequences

TJU_CMC.ID02409.3p-miR	4	-	49090730	49090749	TCCATAAAGTGGAAAGCACT	2408
TJU_CMC.ID02410.3p-miR	4	+	52807557	52807579	TGGTTCAGTTCAGTGAAGGTGAG	2409
TJU_CMC.ID02411.5p-miR	4	+	52865679	52865700	TAGCTTTAGTCTGGTCTTGGTG	2410
TJU_CMC.ID02412.3p-miR	4	-	53709733	53709752	GCCAGCTAGGGGAGTAGAAG	2411
TJU_CMC.ID02413.5p-miR	4	-	53990401	53990422	GTCTGTTTGTCAAATACTTGGT	2412
TJU_CMC.ID02414.3p-miR	4	+	54291254	54291273	AGAAATTCATCTAATTTGCA	2413
TJU_CMC.ID02415.3p-miR	4	-	54640222	54640241	TAGCACCATTTCTTTGGTTA	2414
TJU_CMC.ID02416.3p-miR	4	-	54718737	54718758	ATCGTGGCTCGCACACTAACAG	2415
TJU_CMC.ID02417.5p-miR	4	+	55537641	55537662	AGCAGCATTAGGTCTATAGGTG	2416
TJU_CMC.ID02418.3p-miR	4	-	55554824	55554846	TGATCTGTGGAAGCAGGAGTGAC	2417
TJU_CMC.ID02419.3p-miR	4	+	55868319	55868341	GGGAACATTTTATAAATTAAGCC	2418
TJU_CMC.ID02420.5p-miR	4	-	55945464	55945484	TTAGAAGGTTGCGTGTTCTTC	2419
TJU_CMC.ID02421.3p-miR	4	-	56188520	56188540	CTGGGGATAAGGCCAGGGATT	2420
TJU_CMC.ID02422.3p-miR	4	-	56375100	56375123	TAGAAATAGTCTGTGATGTTGACA	2421
TJU_CMC.ID02423.5p-miR	4	+	56684953	56684974	ACTGGCAGGTTCAGCTATCTGG	2422
TJU_CMC.ID02424.3p-miR	4	+	56856991	56857011	CCTACTCTTATTTTTTAAGTT	2423
TJU_CMC.ID02425.5p-miR	4	-	56992205	56992227	GGTGCAGTAGCTCATGCCACTCA	2424
TJU_CMC.ID02426.3p-miR	4	+	56996842	56996861	TAGTTGGTTAGTACACAATG	2425
TJU_CMC.ID02427.3p-miR	4	+	57419310	57419331	TGAGTCAAGCTTGAATATTTTT	2426
TJU_CMC.ID02428.3p-miR	4	-	57479131	57479152	AGAGGTTTGCTGGGCACCCCAA	2427
TJU_CMC.ID02429.5p-miR	4	+	58098121	58098141	CTCCTGCCTGGTACATACTTA	2428
TJU_CMC.ID02430.5p-miR	4	-	58268723	58268743	AGCTACATTGCCTGGACCCAA	2429
TJU_CMC.ID02431.3p-miR	4	-	58652211	58652232	AAGAGTAGTAGTTTATGGGCAA	2430
TJU_CMC.ID02432.3p-miR	4	-	58849191	58849211	GCAGTAGTCTGCTGATTGGTC	2431
TJU_CMC.ID02433.3p-miR	4	+	58933079	58933101	GTAGTCAAACTACCCTTGTTTGC	2432
TJU_CMC.ID02434.3p-miR	4	-	59997837	59997856	CTTCTAAAATTGTATTATAT	2433
TJU_CMC.ID02435.5p-miR	4	+	60106426	60106445	TTTCTTACAAGCTATTTTGA	2434
TJU_CMC.ID02436.3p-miR	4	+	61612914	61612935	CTGGATTAGATCTAGTCTGTGA	2435
TJU_CMC.ID02437.5p-miR	4	-	61658266	61658287	ATAGCTCACATCATGGTTTATA	2436
TJU_CMC.ID02438.3p-miR	4	+	62590878	62590900	ATTGAACATCAATAATGAATAAT	2437
TJU_CMC.ID02439.5p-miR	4	+	63436658	63436679	TGTCAGTTTGTCAAACTTTTTC	2438

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TJU_CMC.ID02440.3p-miR	4	+	63644492	63644512	CCCTATTATATCTCTTTTTTC	2439
TJU_CMC.ID02441.3p-miR	4	+	63895635	63895658	TGAGTGTGTGTGTGAGTGAGTG	2440
TJU_CMC.ID02442.3p-miR	4	+	63973827	63973849	ACACGCATCAAGAACTTCTTGGA	2441
TJU_CMC.ID02443.3p-miR	4	-	64170762	64170784	TATATATGTCTTATACACATAGC	2442
TJU_CMC.ID02444.3p-miR	4	+	64911648	64911669	GAGAACTCATGGTTACATAGCA	2443
TJU_CMC.ID02445.5p-miR	4	-	65196924	65196947	AGGGGATATATATTTTCTATCTTT	2444
TJU_CMC.ID02446.5p-miR	4	+	65470183	65470204	TTTACAAATCTGGGGCTCCAAT	2445
TJU_CMC.ID02447.3p-miR	4	-	65474154	65474177	GCAACAGCCTTCATAGGCTATGTG	2446
TJU_CMC.ID02448.3p-miR	4	+	65553969	65553989	TAGCTTATCAAGTCAGATAAT	2447
TJU_CMC.ID02449.5p-miR	4	+	65760336	65760357	AATGGCAGCGGTTTAAGTCAGG	2448
TJU_CMC.ID02450.5p-miR	4	-	65855704	65855725	TAATACTGCCTGTGCCATCTCT	2449
TJU_CMC.ID02451.3p-miR	4	-	66510074	66510096	CATGTGGGATAGGTATAATAGGT	2450
TJU_CMC.ID02452.5p-miR	4	-	66651902	66651922	CAAATAATGCTTTGCACATAG	2451
TJU_CMC.ID02453.5p-miR	4	-	66790222	66790241	TAGCACCATAACTTTATGAT	2452
TJU_CMC.ID02454.3p-miR	4	-	66880219	66880241	ACCAGCACCTGCTGATGCTGCCT	2453
TJU_CMC.ID02455.5p-miR	4	+	67238599	67238618	GACTCGCAATGATGCTGCAA	2454
TJU_CMC.ID02456.3p-miR	4	+	67680233	67680252	CAGCACTTAATGGTTTGATC	2455
TJU_CMC.ID02457.3p-miR	4	-	68253831	68253850	GGCCCCACTATAAAATTTGG	2456
TJU_CMC.ID02458.3p-miR	4	-	68310664	68310685	TAGCTTGTTGATGTGATGGGTC	2457
TJU_CMC.ID02459.3p-miR	4	-	68345649	68345669	CTGGTTTAATCTAGGGAGTTG	2458
TJU_CMC.ID02460.5p-miR	4	+	68586161	68586182	TCTCCACTGCAACCATCGAGTT	2459
TJU_CMC.ID02461.5p-miR	4	+	68619728	68619747	GCATACCATTGGACTGTAAT	2460
TJU_CMC.ID02462.3p-miR	4	+	69513502	69513522	TGGCTCAGTTCAGCCTTTCTC	2461
TJU_CMC.ID02463.5p-miR	4	-	69799630	69799651	ATCACTGCCCTGAGGATTCTTT	2462
TJU_CMC.ID02464.5p-miR	4	+	70538661	70538683	AGTACAGATCAAATAATCTGGTA	2463
TJU_CMC.ID02465.3p-miR	4	-	71165519	71165539	TGAGGTAGTAGCTTTAGTGGT	2464
TJU_CMC.ID02466.3p-miR	4	+	71302557	71302579	TATCTTTGGTCTTTGATGTTGAT	2465
TJU_CMC.ID02467.5p-miR	4	+	71350657	71350677	AAAAAAGACACCTTTTGTGGG	2466
TJU_CMC.ID02468.3p-miR	4	+	71444009	71444029	GCCTTCAGCTGATTTTAGAGT	2467
TJU_CMC.ID02469.3p-miR	4	-	71570547	71570567	GTCCCGTCCGCTGCGCCGCCG	2468
TJU_CMC.ID02470.3p-miR	4	+	71851540	71851559	ATGACCTATCTTAATCATCA	2469

Table 1. Novel miRNA sequences

TJU_CMC.ID02471.3p-miR	4	+	72241682	72241703	TCCCTGAGACCCTTTCAAAGGG	2470
TJU_CMC.ID02472.5p-miR	4	+	72372190	72372213	TGATTTGGCTTTCGACTTTCCTGT	2471
TJU_CMC.ID02473.3p-miR	4	+	72410850	72410869	ATCCCCAAGTAGATTTTTGTT	2472
TJU_CMC.ID02474.5p-miR	4	+	72478744	72478764	TGGCTCAGTTCAGCTGGATAA	2473
TJU_CMC.ID02475.5p-miR	4	+	72802529	72802550	AAGTTACAATTCAGCTATCTAA	2474
TJU_CMC.ID02476.3p-miR	4	+	73649708	73649729	TGGCTGAGACTGATGGAACACT	2475
TJU_CMC.ID02477.3p-miR	4	+	74036808	74036829	TCAAGTCTCACCTAGTACAGTC	2476
TJU_CMC.ID02478.3p-miR	4	-	74818776	74818795	TGTGGAGAAATGTCATTGGT	2477
TJU_CMC.ID02479.3p-miR	4	+	74940668	74940691	GCTAGGTTTCCTACACTCTCAGCT	2478
TJU_CMC.ID02480.3p-miR	4	-	74953809	74953830	TAACAGCACGTAGGGATTGGGC	2479
TJU_CMC.ID02481.5p-miR	4	+	76026053	76026073	TTGTGTCACCGATTCAGGACT	2480
TJU_CMC.ID02482.5p-miR	4	-	76163505	76163528	TATACTATATGCTATATGTATATA	2481
TJU_CMC.ID02483.3p-miR	4	-	76485912	76485933	TCTGACTCTGGGATGTCCAGTA	2482
TJU_CMC.ID02484.3p-miR	4	-	76751319	76751340	TCTCAACCAAATTGCACCAGTG	2483
TJU_CMC.ID02485.5p-miR	4	-	77173017	77173039	GGGTCTCCAGGCGCCCCCGCGCG	2484
TJU_CMC.ID02486.5p-miR	4	+	78085886	78085908	CGATGTTGCCCAGGGCTGGTCTT	2485
TJU_CMC.ID02487.3p-miR	4	-	78094279	78094300	TCCCCAGAGGGGCTGTCCACAG	2486
TJU_CMC.ID02488.5p-miR	4	+	78394154	78394173	TCCCACTCTGGAGCTGAACA	2487
TJU_CMC.ID02489.5p-miR	4	+	78418456	78418476	TGGTCATAGTCTGACTTAACT	2488
TJU_CMC.ID02490.3p-miR	4	+	78573218	78573239	TTAGTCAAATCTGAATATCCTC	2489
TJU_CMC.ID02491.3p-miR	4	+	78602408	78602428	GCTAGGCCACTGGGCCTTGGC	2490
TJU_CMC.ID02492.3p-miR	4	-	79535239	79535260	TGTCAGTTTGCTGGGGGTGGGG	2491
TJU_CMC.ID02493.3p-miR	4	+	80155122	80155143	TGTCATCTTGTCAAAATGGGGA	2492
TJU_CMC.ID02494.5p-miR	4	-	80655743	80655763	TTGGGTCATGGAGGTGGTTAT	2493
TJU_CMC.ID02495.5p-miR	4	+	81076909	81076930	TGGCTATATGGTAATGAGTCAA	2494
TJU_CMC.ID02496.3p-miR	4	+	81730625	81730648	CAGAGAGAGGGAGAGAAAGGTGTC	2495
TJU_CMC.ID02497.3p-miR	4	-	82063969	82063989	ATTGCAACACTGGGCGTTGGT	2496
TJU_CMC.ID02498.3p-miR	4	-	82381468	82381489	TTCAAGTAATAACTTAATAGCC	2497
TJU_CMC.ID02499.3p-miR	4	-	83232209	83232230	GGCAGCATTGTGTGAAATGCCT	2498
TJU_CMC.ID02500.3p-miR	4	-	83372194	83372213	GTGGGCGTCCTCTTCAGCCT	2499
TJU_CMC.ID02501.3p-miR	4	-	84117429	84117450	AAGCTCAGCCTTTGAAGGCTTT	2500

Table 1. Novel miRNA sequences

TJU_CMC.ID02502.3p-miR	4	-	84317707	84317726	AAGTGGATCAAGATGGCCGA
TJU_CMC.ID02503.5p-miR	4	+	84540830	84540851	GAAGCCTTGAAACAATCTGACC
TJU_CMC.ID02504.3p-miR	4	+	84587744	84587763	TCCTGGTGGTATAACGAACC
TJU_CMC.ID02505.5p-miR	4	+	84616892	84616913	TTGTTTATAGCAGAATTTAGTA
TJU_CMC.ID02506.3p-miR	4	-	84884387	84884406	TTAGCACCAGAACTAGATTA
TJU_CMC.ID02507.5p-miR	4	+	85275682	85275701	TAGGAATAGTCTGACTCAGA
TJU_CMC.ID02508.5p-miR	4	+	85517803	85517824	TCTCCCTTGAATTGTACCAACA
TJU_CMC.ID02509.5p-miR	4	-	86377353	86377372	CAGCCATTCTCTAATATTTC
TJU_CMC.ID02510.3p-miR	4	+	86598097	86598117	AAACAAGCAAGCAGAGCCACT
TJU_CMC.ID02511.3p-miR	4	-	87456610	87456630	GCTACAATAGCGACACCGCAG
TJU_CMC.ID02512.3p-miR	4	+	87837729	87837749	ACCATTGCCATATGATTAGCA
TJU_CMC.ID02513.5p-miR	4	+	88037264	88037284	AACACCTCTTTACAGTTACTA
TJU_CMC.ID02514.3p-miR	4	-	88087212	88087233	TATGTTACATCATTGCTACCTC
TJU_CMC.ID02515.5p-miR	4	-	88353123	88353144	ACTAACATGCTGGGTGCACTGG
TJU_CMC.ID02516.5p-miR	4	-	88427829	88427848	CCAAGAGAGCCAATTGTATA
TJU_CMC.ID02517.3p-miR	4	-	88445056	88445076	ACAATAATGAAAACTGCATAG
TJU_CMC.ID02518.5p-miR	4	-	88722491	88722512	TCTTCAGAGTTTCGCCTTGAGA
TJU_CMC.ID02519.3p-miR	4	+	89403663	89403684	TCTCAGTTGTGACATAGTTCAC
TJU_CMC.ID02520.3p-miR	4	+	89407780	89407799	CCAAGGTAGCAGTTGACCCG
TJU_CMC.ID02521.3p-miR	4	-	89661034	89661053	ATGTTCCTTGAATACCCACT
TJU_CMC.ID02522.5p-miR	4	+	90512308	90512330	GTGAGAATCACTCAATATGGGCA
TJU_CMC.ID02523.3p-miR	4	+	90646412	90646432	ATTGATCTCCTTTAAGGTGAC
TJU_CMC.ID02524.3p-miR	4	+	91679048	91679067	AGACAACCAGCTGTACAATA
TJU_CMC.ID02525.5p-miR	4	+	91683563	91683584	CATGAGGACAAACTAATACAGA
TJU_CMC.ID02526.5p-miR	4	+	93108356	93108375	GGAGGGGGGGTAAAAAAAAT
TJU_CMC.ID02527.3p-miR	4	+	93514101	93514120	ACTGTGCCATTGAAGATAGT
TJU_CMC.ID02528.3p-miR	4	-	94504677	94504697	TTTGTAAAGTATCCAGCACTA
TJU_CMC.ID02529.5p-miR	4	+	94759915	94759934	CCTAAACTCATATTGCTTGT
TJU_CMC.ID02530.5p-miR	4	-	94911045	94911065	TGAGGTCTGCTATTGTAAGTT
TJU_CMC.ID02531.5p-miR	4	-	95372874	95372893	CGGAAAGACAACTGCGCTAC
TJU_CMC.ID02532.5p-miR	4	+	95456306	95456327	TAGTGACGGCTTGAAATAGAAA

Table 1. Novel miRNA sequences

TJU_CMC.ID02533.5p-miR	4	+	95460246	95460266	ACTCAGTTTTCCCAGGAATCA	2532
TJU_CMC.ID02534.5p-miR	4	+	96817197	96817217	GCATTGTGTCTTAATTGCTAA	2533
TJU_CMC.ID02535.3p-miR	4	-	97519739	97519758	GCCCCGGCATCAGGTGGTGT	2534
TJU_CMC.ID02536.5p-miR	4	-	99067944	99067965	GCTATTTGCTCCTATAGCAGGC	2535
TJU_CMC.ID02537.5p-miR	4	-	99267455	99267474	TGGTTAATGCTCTCACCAGG	2536
TJU_CMC.ID02538.3p-miR	4	-	100570516	100570535	GCTGCATGGCAAGCCTGTCA	2537
TJU_CMC.ID02539.3p-miR	4	+	100659817	100659838	TTTAAGTAATCCAAATATGGGT	2538
TJU_CMC.ID02540.5p-miR	4	+	100924216	100924236	GATTCCGTCTCTTTCTATTGA	2539
TJU_CMC.ID02541.3p-miR	4	-	101035985	101036005	CCCCCTTATTTCTACAAAAAA	2540
TJU_CMC.ID02542.3p-miR	4	+	101173604	101173625	TGAGTCAGGCAGGGGATGCTTG	2541
TJU_CMC.ID02543.5p-miR	4	-	101596163	101596183	AGCATGCTGACTTAGGGGTGC	2542
TJU_CMC.ID02544.5p-miR	4	+	101612411	101612430	CCAGTTGGGTAGTTTACCCA	2543
TJU_CMC.ID02545.3p-miR	4	+	101657224	101657245	ACATAGAAACAGTTTATGGGGG	2544
TJU_CMC.ID02546.3p-miR	4	+	101793848	101793870	GCTAGTATACCTCCATAGTCACA	2545
TJU_CMC.ID02547.3p-miR	4	-	102251482	102251503	CTATCTTCTTTGCTCATCCTTG	2546
TJU_CMC.ID02548.5p-miR	4	-	102702082	102702104	TTAGAATAGTCTGACTCTCACTG	2547
TJU_CMC.ID02549.5p-miR	4	-	103439929	103439949	TAGCACCAGCTGAGTAGCCAA	2548
TJU_CMC.ID02550.3p-miR	4	-	103442790	103442811	GTAACTGGGGAAACTTTCTAGG	2549
TJU_CMC.ID02551.5p-miR	4	-	103971895	103971916	TTCAAGTAATCTGACATAGCAA	2550
TJU_CMC.ID02552.3p-miR	4	+	104029485	104029506	TTGCTTATCAATGTGCCACCAG	2551
TJU_CMC.ID02553.3p-miR	4	+	104096006	104096025	ATACCAGATTATCATAGTCA	2552
TJU_CMC.ID02554.5p-miR	4	-	105684874	105684895	TGAGTTGGTGTCACCGACCCTG	2553
TJU_CMC.ID02555.3p-miR	4	-	105945797	105945816	GGGATTGTGGGTTCGTCTCT	2554
TJU_CMC.ID02556.3p-miR	4	-	106292794	106292813	ATCTATTGAAGGTCAGCAAA	2555
TJU_CMC.ID02557.3p-miR	4	+	106580478	106580498	GACCTGATGCTCGTGGCACAG	2556
TJU_CMC.ID02558.5p-miR	4	-	107468684	107468705	CTATTTTTTAAAAACTTACTTA	2557
TJU_CMC.ID02559.5p-miR	4	+	108103255	108103276	CTTTCAGAGTTTCAGTTAACAG	2558
TJU_CMC.ID02560.3p-miR	4	-	108230822	108230842	AGATGTCTACAGTTATATCGT	2559
TJU_CMC.ID02561.5p-miR	4	+	108433969	108433988	CAGCTTATCAGACTGCCTCA	2560

Table 1. Novel miRNA sequences

TJU_CMC.ID02562.5p-miR	4	-	108544200	108544219	GGTTGCAATGGGCAGACTGG	2561
TJU_CMC.ID02563.5p-miR	4	-	108630752	108630772	TCTACAATAGCGATGTCATCT	2562
TJU_CMC.ID02564.3p-miR	4	+	108788917	108788936	TAGCTATAGCTCTTGTTCTT	2563
TJU_CMC.ID02565.3p-miR	4	+	108935736	108935757	TGCTGCTGAGTATGTAACCTCT	2564
TJU_CMC.ID02566.5p-miR	4	-	110685674	110685695	ACAGTGAGCGCTTGTATCAGTG	2565
TJU_CMC.ID02567.3p-miR	4	-	110925740	110925762	GAGGACATCCCATCCTCAGTGTC	2566
TJU_CMC.ID02568.5p-miR	4	-	111586044	111586064	TTCACAGTGGCTATCATGGTC	2567
TJU_CMC.ID02569.5p-miR	4	-	112210431	112210453	TGTGATCGCTTGCATGGCTGACT	2568
TJU_CMC.ID02570.3p-miR	4	+	112392346	112392367	TCCCTGAGACTCTAGATTGTAC	2569
TJU_CMC.ID02571.3p-miR	4	+	113208515	113208536	CCTATAAGAATCTAATGCCCCA	2570
TJU_CMC.ID02572.3p-miR	4	+	113347177	113347196	TGACTCAGTTCAGCAGGACT	2571
TJU_CMC.ID02573.5p-miR	4	+	113601777	113601797	CAAAGTGCTTACGACACACTC	2572
TJU_CMC.ID02574.3p-miR	4	+	113643670	113643691	ATAGTGTCATCGATGATTGAAC	2573
TJU_CMC.ID02575.5p-miR	4	+	113656005	113656026	AGGAAGTAATCTGGGCGTTTTG	2574
TJU_CMC.ID02576.5p-miR	4	-	113888595	113888616	CTTCTGAAGCTCTAAACTAAAT	2575
TJU_CMC.ID02577.5p-miR	4	-	113919557	113919578	GCTAGTATGTGACTGAGGTTGA	2576
TJU_CMC.ID02578.5p-miR	4	+	114238380	114238401	ATAGAGAGAGAATGGAAAATAA	2577
TJU_CMC.ID02579.3p-miR	4	-	114396811	114396830	AGTCAAAATAAGATAAGAAG	2578
TJU_CMC.ID02580.5p-miR	4	+	114521098	114521118	AAGGTGGAGGAAAATCCACGT	2579
TJU_CMC.ID02581.3p-miR	4	+	114762810	114762830	GCATGGCACTCTTTTAGGTAT	2580
TJU_CMC.ID02582.3p-miR	4	+	115641939	115641959	TCAGTAGTCTGCACATCAACA	2581
TJU_CMC.ID02583.3p-miR	4	+	115929193	115929214	ATGACCTACAGGCCAGTGAGTT	2582
TJU_CMC.ID02584.5p-miR	4	-	116383899	116383920	ATGACTGGTGTCTTTATAAAAC	2583
TJU_CMC.ID02585.3p-miR	4	-	116583598	116583618	TAGCTTATGTTCACAAGGTCA	2584
TJU_CMC.ID02586.5p-miR	4	-	116655482	116655503	AGTTCCATAATGACAGCAATTA	2585
TJU_CMC.ID02587.3p-miR	4	+	117205350	117205371	TAGCAGCACATCGTGGTTATGT	2586
TJU_CMC.ID02588.5p-miR	4	+	118094714	118094734	TATTTAAAATGTTTTTTCTAT	2587
TJU_CMC.ID02589.3p-miR	4	-	118277976	118277997	AGGCTCCGGAGTAGCTGGGAAT	2588
TJU_CMC.ID02590.3p-miR	4	-	118512778	118512799	ACCTATTAGTGTACACCATTTT	2589
TJU_CMC.ID02591.3p-miR	4	+	119457849	119457870	AGCCACATTGAGTTTATGGGCA	2590
TJU_CMC.ID02592.5p-miR	4	+	119705231	119705252	TGTGCTCCGACTGGGCTACTTC	2591

Table 1. Novel miRNA sequences

TJU_CMC.ID02593.3p-miR	4	-	119863760	119863781	TGAGTCATTCTCTTTATAGGGT	2592
TJU_CMC.ID02594.3p-miR	4	+	120562297	120562317	CCTCTGGATATAGGATAAGCT	2593
TJU_CMC.ID02595.3p-miR	4	-	121560482	121560505	TTTATGCTGCTTTATGGTGATAGA	2594
TJU_CMC.ID02596.5p-miR	4	-	121780321	121780340	GCTGTGCCATTGAAAGCAGA	2595
TJU_CMC.ID02597.5p-miR	4	+	122867449	122867468	CCTGAAGCGGGGGGAAAAAA	2596
TJU_CMC.ID02598.3p-miR	4	+	123073852	123073872	GCGGCGGCGACTCCTTCATAT	2597
TJU_CMC.ID02599.3p-miR	4	-	123545502	123545521	TGGCTCAGTTCAGCTGGATG	2598
TJU_CMC.ID02600.5p-miR	4	-	123553682	123553704	AGCGATAGCAGCCACTACTATCA	2599
TJU_CMC.ID02601.3p-miR	4	+	124040780	124040801	GCTAGATGTGCTGCAACTTACA	2600
TJU_CMC.ID02602.3p-miR	4	+	125493288	125493308	CATACATTGGGGCAGACTTTT	2601
TJU_CMC.ID02603.5p-miR	4	+	125927421	125927442	TACTGATTGCTCTTTATGGAAC	2602
TJU_CMC.ID02604.3p-miR	4	-	126014563	126014582	ATGTATCATGTATAGTTATA	2603
TJU_CMC.ID02605.3p-miR	4	-	126486250	126486270	TAGCACAGGAGCTTGCTACAT	2604
TJU_CMC.ID02606.5p-miR	4	+	126519457	126519476	GTCTTCAAAAGGGTCCTTTA	2605
TJU_CMC.ID02607.5p-miR	4	+	126679965	126679986	ATCACTATGCTGAGGATGGAAC	2606
TJU_CMC.ID02608.3p-miR	4	-	126939695	126939715	AACACCTAGGGCACTGGCAAC	2607
TJU_CMC.ID02609.3p-miR	4	+	127274185	127274206	AGTGGATACTTACAGTGTGGTT	2608
TJU_CMC.ID02610.5p-miR	4	-	127363549	127363569	TTAAAGTAAAGGTCAGCGAGG	2609
TJU_CMC.ID02611.5p-miR	4	-	127622263	127622285	ATAGACGCTGAGTACTACTTGTG	2610
TJU_CMC.ID02612.3p-miR	4	-	128203439	128203461	TGTATCAAAGATGGGTGTTTCAA	2611
TJU_CMC.ID02613.3p-miR	4	-	128924227	128924248	CCCGGCTTATTTGAATTAATTT	2612
TJU_CMC.ID02614.5p-miR	4	+	129285969	129285990	AAGGAATTGACGGAAGCCAACC	2613
TJU_CMC.ID02615.3p-miR	4	+	129440922	129440942	AGCATGCTCTCTTAGCAGTGG	2614
TJU_CMC.ID02616.3p-miR	4	-	130112433	130112452	GAAAAAGTCACAAGAATTTG	2615
TJU_CMC.ID02617.3p-miR	4	-	130450259	130450278	TTACAATATGGCAGGAATAG	2616
TJU_CMC.ID02618.3p-miR	4	+	131250901	131250920	ATCATGGCACTCATATATGC	2617
TJU_CMC.ID02619.3p-miR	4	+	131461663	131461685	ATAGCATATGAGGCAGTGGGTCA	2618
TJU_CMC.ID02620.5p-miR	4	-	131645784	131645803	TATCTATGCTAGACTCGTGT	2619
TJU_CMC.ID02621.5p-miR	4	-	131873209	131873230	TTTTTAATGCTCTCACCAAACA	2620
TJU_CMC.ID02622.5p-miR	4	-	131909519	131909539	AAAATAATGATTTGGGCATCG	2621
TJU_CMC.ID02623.5p-miR	4	+	132606951	132606970	TTTAAACATTTTTCTTGGTA	2622

Table 1. Novel miRNA sequences

TJU_CMC.ID02624.5p-miR	4	+	133133820	133133841	TCAATGGCACTCATTAAATGCC	2623
TJU_CMC.ID02625.5p-miR	4	+	133456942	133456963	AGCTCAGAGTTCTATGAACCAG	2624
TJU_CMC.ID02626.5p-miR	4	-	133460813	133460834	TCAAGTAATCCACTCGCTTCCC	2625
TJU_CMC.ID02627.3p-miR	4	-	133966964	133966987	CTAGGTATGGTCTGCCTCTTTCAT	2626
TJU_CMC.ID02628.3p-miR	4	-	134085264	134085283	TCATGCTGGGGTATTTGTGG	2627
TJU_CMC.ID02629.3p-miR	4	-	134849642	134849663	TGGATATTCAGCACTTTATGAT	2628
TJU_CMC.ID02630.5p-miR	4	-	136325541	136325562	ACTCATGGCACCAAAATCCGTA	2629
TJU_CMC.ID02631.3p-miR	4	-	136761291	136761310	AGGTCCATTGCTTACCTATT	2630
TJU_CMC.ID02632.5p-miR	4	+	137723244	137723263	ATGCCTACAACCTGACAAAG	2631
TJU_CMC.ID02633.5p-miR	4	+	138397853	138397872	TGACACTGACAGGATTGATC	2632
TJU_CMC.ID02634.5p-miR	4	-	138829314	138829335	TTTTGTTGCTCAGCTAGCACAT	2633
TJU_CMC.ID02635.5p-miR	4	+	139871197	139871216	CTGCGCACTTCGTCACTGGG	2634
TJU_CMC.ID02636.3p-miR	4	+	140525772	140525793	GTGGTCAAAAGGGTGAGGCCTT	2635
TJU_CMC.ID02637.5p-miR	4	-	140875034	140875055	TCTCTGCTATCAGCCTCCTGTC	2636
TJU_CMC.ID02638.3p-miR	4	-	141072163	141072184	CCCGCCCCGCCGCGCCCCCCAT	2637
TJU_CMC.ID02639.3p-miR	4	-	141525561	141525581	CTACAATGTGCATTTAAACTA	2638
TJU_CMC.ID02640.5p-miR	4	+	141611893	141611912	ATTCTATGACCAGTATAGCA	2639
TJU_CMC.ID02641.5p-miR	4	+	142053623	142053642	CGCGGGTCGGGGCGGCGAAC	2640
TJU_CMC.ID02642.5p-miR	4	-	142635360	142635381	TTATAAGGGGGATGGGGCTGGT	2641
TJU_CMC.ID02643.3p-miR	4	-	142937135	142937155	ATGGGGGAACACAGCCTACTA	2642
TJU_CMC.ID02644.5p-miR	4	+	143444072	143444094	ATAGTGGTATTGAAATCATGTGA	2643
TJU_CMC.ID02645.5p-miR	4	+	143946518	143946538	ATTGTGCCATTGAAAGTAATG	2644
TJU_CMC.ID02646.3p-miR	4	+	144531362	144531383	ATTTCAGAGATCTGGTCCACAG	2645
TJU_CMC.ID02647.3p-miR	4	+	144822085	144822106	TAAATGCTACCGATTGTACACT	2646
TJU_CMC.ID02648.3p-miR	4	+	145604766	145604786	ATACTATATGGTAATGACTTA	2647
TJU_CMC.ID02649.3p-miR	4	-	146180832	146180851	AGCCCAACCCTTGTGCCAGT	2648
TJU_CMC.ID02650.5p-miR	4	-	146570502	146570521	ACACCGAGGGCACTGTCAAA	2649
TJU_CMC.ID02651.5p-miR	4	-	146777124	146777145	GCTTGTCTCAATCGACTTGTGA	2650
TJU_CMC.ID02652.3p-miR	4	+	146823909	146823931	CACTGAGCTGCTGGGCGTGGTGG	2651
TJU_CMC.ID02653.5p-miR	4	-	147056379	147056400	AGACGGCCTATGCTTCTTGTTG	2652
TJU_CMC.ID02654.3p-miR	4	+	147235754	147235775	CAATGTTTGTCAAATACCCCAA	2653

Table 1. Novel miRNA sequences

TJU_CMC.ID02655.3p-miR	4	+	147286494	147286513	ATCTGGATACTTAACTTTCT	2654
TJU_CMC.ID02656.3p-miR	4	-	147460062	147460081	TGGGATGAGCATCCTTAAAT	2655
TJU_CMC.ID02657.5p-miR	4	+	147763176	147763195	TTGGCAATGTCTGCATATGT	2656
TJU_CMC.ID02658.5p-miR	4	-	147905923	147905942	GACTGTACAGCACTCAGACT	2657
TJU_CMC.ID02659.5p-miR	4	-	147976804	147976826	TGTAGACTGGATCACTTCACATT	2658
TJU_CMC.ID02660.3p-miR	4	-	148275009	148275031	CAAAGTGCACATATGCACCTTCT	2659
TJU_CMC.ID02661.3p-miR	4	-	149014601	149014620	CACGCTATTGAAGTCATGTG	2660
TJU_CMC.ID02662.3p-miR	4	-	149043124	149043146	TGTGCAAATCTATGACTCAGAAG	2661
TJU_CMC.ID02663.5p-miR	4	+	151522069	151522091	CTGTTAAAATTATTATCAAATAT	2662
TJU_CMC.ID02664.3p-miR	4	+	152202979	152203000	CAGCAATGTCTATTAAGCATAC	2663
TJU_CMC.ID02665.3p-miR	4	-	152365304	152365327	AAACTTTAAATGGGTAAGAGATTT	2664
TJU_CMC.ID02666.5p-miR	4	-	152545302	152545322	CTCAGTGTTCAGATTACCTTG	2665
TJU_CMC.ID02667.5p-miR	4	-	152814286	152814307	CATCCCTTGCAGTTGTCTCCGT	2666
TJU_CMC.ID02668.5p-miR	4	-	152842964	152842985	TCCTAAGGCTGGTTTATGGGGG	2667
TJU_CMC.ID02669.3p-miR	4	+	153535846	153535866	ATGCTCCTCGTGGGGAACCTG	2668
TJU_CMC.ID02670.3p-miR	4	+	153565054	153565074	CTCTCCCACCCCTCCTTCCCT	2669
TJU_CMC.ID02671.5p-miR	4	-	154453284	154453305	TTCTGCCTAATTTCAAGCAGCC	2670
TJU_CMC.ID02672.3p-miR	4	+	154694045	154694064	TTACTCTTATTTTTTAAGGT	2671
TJU_CMC.ID02673.3p-miR	4	-	154755477	154755497	TAGTGTAACCCAGGGGTTCCC	2672
TJU_CMC.ID02674.5p-miR	4	+	155298579	155298598	TGCATCAGAGGCTGTCACCT	2673
TJU_CMC.ID02675.3p-miR	4	+	155377540	155377560	TCCCTGTCCTCCAGGAATCTG	2674
TJU_CMC.ID02676.5p-miR	4	-	155729920	155729941	TATATACAGGTGAAATGCCTTT	2675
TJU_CMC.ID02677.5p-miR	4	-	156307507	156307526	TCCGAGGTGGGATCCCGGAA	2676
TJU_CMC.ID02678.3p-miR	4	+	156392359	156392378	TAAAGTTGCCAGATCACTGA	2677
TJU_CMC.ID02679.5p-miR	4	+	156432574	156432595	TTACCATGGATGTGCTCTTAAT	2678
TJU_CMC.ID02680.5p-miR	4	+	157161802	157161823	TCTCCCAGTTAGCACGTTGACT	2679
TJU_CMC.ID02681.3p-miR	4	+	157197326	157197348	GATGATCCCCTGCAGGAATGTGA	2680
TJU_CMC.ID02682.3p-miR	4	+	158821086	158821106	CTGACCTGTGGGCCACTGATT	2681
TJU_CMC.ID02683.3p-miR	4	+	159332690	159332709	AGTATACTAGCAGGAGGTAA	2682
TJU_CMC.ID02684.3p-miR	4	-	159546446	159546467	TGTACTACATGGGATATTGTAT	2683
TJU_CMC.ID02685.3p-miR	4	-	159721408	159721429	AAGCAGCAATGCAATATACATA	2684

Table 1. Novel miRNA sequences

TJU_CMC.ID02686.3p-miR	4	+	160706444	160706464	ATGACCTATAGGCCAGTTGAA	2685
TJU_CMC.ID02687.3p-miR	4	+	161105644	161105665	TCTGACTTTGCTCCAACATCCA	2686
TJU_CMC.ID02688.3p-miR	4	-	161140970	161140992	ACGGAGTCCCTGATGAAGCACTG	2687
TJU_CMC.ID02689.5p-miR	4	-	161284861	161284881	CTTAAAGTAGCCAGCACTACT	2688
TJU_CMC.ID02690.5p-miR	4	+	161327628	161327647	TATAGCACTTGTCAATGCTA	2689
TJU_CMC.ID02691.5p-miR	4	+	161345484	161345504	CTCTGGATACTTAGCTGTTAA	2690
TJU_CMC.ID02692.3p-miR	4	+	161454860	161454882	TATATTATACCTACAGCATTGTG	2691
TJU_CMC.ID02693.3p-miR	4	-	162086646	162086669	TCTCCTCTTTTCCTCCTCCTCCTC	2692
TJU_CMC.ID02694.3p-miR	4	+	162255858	162255877	GCTCAAGCTACACACAACACTG	2693
TJU_CMC.ID02695.3p-miR	4	-	163842662	163842684	AAGATTAGGCACGCAGCTACTTG	2694
TJU_CMC.ID02696.5p-miR	4	+	164014022	164014041	AGTATAGTTCTGAGTTTAGT	2695
TJU_CMC.ID02697.3p-miR	4	+	164064612	164064634	TTGAGCCAGCAGGCTGGAGGTGC	2696
TJU_CMC.ID02698.5p-miR	4	-	164312061	164312080	TACGATATCAAGAACATGAA	2697
TJU_CMC.ID02699.3p-miR	4	+	164571653	164571674	TAATACTGCCTGCATTATATGT	2698
TJU_CMC.ID02700.5p-miR	4	+	165001389	165001409	CTAACCTATGAATTGACTACA	2699
TJU_CMC.ID02701.3p-miR	4	-	165314046	165314066	TCTCCAAACAGAACCCAACCA	2700
TJU_CMC.ID02702.5p-miR	4	+	165683937	165683956	ACTTCATCTATCATATTGAA	2701
TJU_CMC.ID02703.3p-miR	4	+	165686545	165686566	TTCAGAAACCATATGCAGAGAC	2702
TJU_CMC.ID02704.3p-miR	4	+	165860913	165860935	TATCAGTCATGTGGCGCAACTGG	2703
TJU_CMC.ID02705.5p-miR	4	+	165915064	165915085	CTGCAATGTTCATCTAATGTTG	2704
TJU_CMC.ID02706.5p-miR	4	+	165928240	165928259	TCCTCGTCCTGCAGCGCTAG	2705
TJU_CMC.ID02707.5p-miR	4	+	167149478	167149497	CCCTTGCCTCTCGGTGCCTG	2706
TJU_CMC.ID02708.3p-miR	4	+	167888520	167888540	TGTGTCCACCAACCCATATCT	2707
TJU_CMC.ID02709.3p-miR	4	+	168307160	168307180	CTGACCTATAGGCACTCCTAA	2708
TJU_CMC.ID02710.3p-miR	4	-	168354346	168354366	CAGACTTTATGTTTTGGCAAT	2709
TJU_CMC.ID02711.3p-miR	4	-	168429040	168429059	CTGACCTATGAATTGTGAGC	2710
TJU_CMC.ID02712.5p-miR	4	-	168479467	168479486	CTCATGTCTGTAATGCCAAA	2711
TJU_CMC.ID02713.3p-miR	4	-	168631770	168631793	ATATGGCTGCTGCCATTATTATTA	2712
TJU_CMC.ID02714.3p-miR	4	-	169200536	169200556	AATGATGCCATAGTCAAGGCG	2713
TJU_CMC.ID02715.3p-miR	4	-	169352064	169352086	TGTAGACCCCTGTTGCAGGTGAA	2714
TJU_CMC.ID02716.3p-miR	4	+	169600766	169600785	AGATGTGCAGGTGAACTCAG	2715

Table 1. Novel miRNA sequences

TJU_CMC.ID02717.5p-miR	4	+	169893289	169893311	CATTGGTCTATATTTATACCAGT	2716
TJU_CMC.ID02718.3p-miR	4	-	169972193	169972212	GGCTACTTAGCTCAGCTGGT	2717
TJU_CMC.ID02719.3p-miR	4	-	172118735	172118757	ATTATTATGAATACAGATATCTA	2718
TJU_CMC.ID02720.3p-miR	4	+	172362947	172362968	AGCAGCATTAAGTACATAGGTT	2719
TJU_CMC.ID02721.5p-miR	4	-	172606381	172606400	GTCCAGTTTTCCCAGTTGCA	2720
TJU_CMC.ID02722.5p-miR	4	+	172737523	172737543	CTGTGACAGTTTAACTCTCTG	2721
TJU_CMC.ID02723.3p-miR	4	+	172959221	172959242	ATCGTGCCATTGCCCTCCAGCG	2722
TJU_CMC.ID02724.5p-miR	4	+	173142836	173142855	GCTGCATAGCAAGCAGGGAT	2723
TJU_CMC.ID02725.5p-miR	4	+	173186086	173186106	GCTACAACTCTGATTATCACC	2724
TJU_CMC.ID02726.5p-miR	4	-	173924555	173924575	CGAAGGAGAATGCAGATGAAC	2725
TJU_CMC.ID02727.3p-miR	4	+	174942833	174942854	TCTCTGGGACCAGTGCCTATTG	2726
TJU_CMC.ID02728.3p-miR	4	-	174948995	174949015	CCTTCCATAATGACAGCGTGT	2727
TJU_CMC.ID02729.5p-miR	4	-	175103150	175103171	TTTGAGTATTTCAGGATAGGTT	2728
TJU_CMC.ID02730.5p-miR	4	+	175172821	175172840	TAGCACCATTTGACTAATTG	2729
TJU_CMC.ID02731.3p-miR	4	+	175873376	175873397	CCGCGGATTCTTCCTGGATAAC	2730
TJU_CMC.ID02732.5p-miR	4	-	176213420	176213439	CAATAAACACACTGCGCTTG	2731
TJU_CMC.ID02733.5p-miR	4	+	176438984	176439003	TTCTCCGCTGATGTGATGTT	2732
TJU_CMC.ID02734.5p-miR	4	-	177236274	177236295	TGAGTGTCATGACCATGTAGGC	2733
TJU_CMC.ID02735.3p-miR	4	-	178133014	178133034	GGGACTATGCATGATATGAAG	2734
TJU_CMC.ID02736.3p-miR	4	+	178325333	178325353	CGAATTACGGGTCTGGGTGGT	2735
TJU_CMC.ID02737.3p-miR	4	+	178518639	178518660	TTGCCTATTTCTAGCAAAATTT	2736
TJU_CMC.ID02738.5p-miR	4	+	178700715	178700734	TGGCTCAGTTCGATGATAGG	2737
TJU_CMC.ID02739.5p-miR	4	-	178942454	178942475	TTGCCAACAACCTGACCAAGCT	2738
TJU_CMC.ID02740.5p-miR	4	-	179139143	179139164	TGAGATGAAGTGTCACTTTGTC	2739
TJU_CMC.ID02741.5p-miR	4	+	179235704	179235726	TGAAAGTTTCTTTGGGAATCCCA	2740
TJU_CMC.ID02742.5p-miR	4	-	179242811	179242833	GTCTGACCCCTTTGAAGGAGAGA	2741
TJU_CMC.ID02743.3p-miR	4	+	179248839	179248860	CGAGCACTAAATAGAAAACATT	2742
TJU_CMC.ID02744.5p-miR	4	+	181415117	181415138	GCTGCAATGTCTTATACCTGTA	2743
TJU_CMC.ID02745.5p-miR	4	-	181571594	181571613	CTGACCTACTCATTAACAGC	2744
TJU_CMC.ID02746.3p-miR	4	+	182068626	182068646	TAGCACCATCTGAAGAGCTAC	2745
TJU_CMC.ID02747.5p-miR	4	-	182161649	182161669	GACCTGATGCCATCACACTGA	2746

Table 1. Novel miRNA sequences

TJU_CMC.ID02748.3p-miR	4	+	182712369	182712388	ACTCAAGTTCTGGTCTCTTT	2747
TJU_CMC.ID02749.3p-miR	4	-	182894841	182894863	TGGCTCAGTTCAGCTTTCAACTC	2748
TJU_CMC.ID02750.5p-miR	4	+	183148605	183148624	GCATGGCCATCATTATTAGC	2749
TJU_CMC.ID02751.5p-miR	4	-	183550844	183550864	TGCATCACTGGCTATTGTTCT	2750
TJU_CMC.ID02752.3p-miR	4	+	183726729	183726751	TAGCTCGCTGCACACAACTGTCA	2751
TJU_CMC.ID02753.3p-miR	4	-	183802108	183802129	GCGGGTCTCAAAGCCAGCACAG	2752
TJU_CMC.ID02754.5p-miR	4	-	183820886	183820905	GGATCTGGCATCTGAGAATC	2753
TJU_CMC.ID02755.3p-miR	4	-	184131929	184131948	TTACAATATGTACTTCCAGT	2754
TJU_CMC.ID02756.5p-miR	4	+	184654145	184654167	TGCAGCAAACAACAGGATGAACT	2755
TJU_CMC.ID02757.5p-miR	4	+	184792696	184792717	ATAGTGCCATTAGGAGCCCTCA	2756
TJU_CMC.ID02758.5p-miR	4	+	184857981	184858000	GTGTCTTGCAAATGATATGT	2757
TJU_CMC.ID02759.5p-miR	4	+	184941101	184941122	CCAGTCTTAGGGTTTAGCAGCT	2758
TJU_CMC.ID02760.3p-miR	4	-	185196375	185196396	GCAGTAGAGACTGGGCGTTTTA	2759
TJU_CMC.ID02761.3p-miR	4	-	185433814	185433836	GCTACAACTTTGCAGCTGTGTGG	2760
TJU_CMC.ID02762.3p-miR	4	-	185510196	185510219	AGACCCCAAGGATATGAAGGCATC	2761
TJU_CMC.ID02763.3p-miR	4	-	185772188	185772209	TACAGCCTCTTATGCTTTCCAA	2762
TJU_CMC.ID02764.5p-miR	4	+	186564022	186564044	TTGAGACCCACTGGGCCTTTTGC	2763
TJU_CMC.ID02765.5p-miR	4	+	186681753	186681773	ATCCTATGTCTGCATAATGCG	2764
TJU_CMC.ID02766.3p-miR	4	+	186771065	186771084	TAAAATTACAAGAACAACTG	2765
TJU_CMC.ID02767.3p-miR	4	+	186873666	186873687	ATCACTACTAAGCCCTAAAGGT	2766
TJU_CMC.ID02768.5p-miR	4	-	187313766	187313787	AGAGGCTGTTTCTGGCACAGTG	2767
TJU_CMC.ID02769.5p-miR	4	-	187364013	187364034	TAGGAATTGTAGGCAGCTTTGA	2768
TJU_CMC.ID02770.3p-miR	4	-	187383365	187383385	TAGCTTATGGAGTCAGTTCAG	2769
TJU_CMC.ID02771.5p-miR	4	+	187689067	187689088	TTACAGTAATCCAGCTTAGCCA	2770
TJU_CMC.ID02772.3p-miR	4	-	187860100	187860123	AGCAGAGAGAAGACATCTCAGGGG	2771
TJU_CMC.ID02773.3p-miR	4	-	188021950	188021971	TAGCAGCACGTGAAATAAACGT	2772
TJU_CMC.ID02774.5p-miR	4	+	188357479	188357499	CAGTGCTATTGGAAAAGAGCA	2773
TJU_CMC.ID02775.3p-miR	4	+	188683404	188683426	TTATTAACAGGTATGGGAGCAAG	2774
TJU_CMC.ID02776.5p-miR	4	-	188729494	188729515	TGTCAGTTTGATGGGCCAGGGT	2775

Table 1. Novel miRNA sequences

TJU_CMC.ID02777.5p-miR	4	+	188792514	188792534	GAAGTGCAGTCTAGTGGGAGG	2776
TJU_CMC.ID02778.5p-miR	4	-	188853231	188853252	AACTACATCTGCGATGACCCTA	2777
TJU_CMC.ID02779.3p-miR	4	+	188945127	188945148	TCTGCTGCATCCAGGATAGTAT	2778
TJU_CMC.ID02780.5p-miR	4	-	189124276	189124299	CATTCCTCAGCTACAGCAGGGCAC	2779
TJU_CMC.ID02781.5p-miR	4	+	189159484	189159503	ACCTATTGCTCCTAGGTAAC	2780
TJU_CMC.ID02782.3p-miR	4	-	190259992	190260011	CGCTAGATAGGTACCCTGCC	2781
TJU_CMC.ID02783.5p-miR	4	-	190396226	190396246	CAGTACCCAGACCAAGTTTGT	2782
TJU_CMC.ID02784.3p-miR	4	+	190533426	190533449	CTTCCTCTCTGCTCTCTTTCCTGT	2783
TJU_CMC.ID02785.3p-miR	5	+	143437	143459	AGCTCACCACCTTGTAGGAGTGA	2784
TJU_CMC.ID02786.5p-miR	5	-	475236	475256	CTCTCCTAGGAATTGACAACC	2785
TJU_CMC.ID02787.5p-miR	5	+	656253	656272	GCCCAGTTTTCCCAGTCCCG	2786
TJU_CMC.ID02788.3p-miR	5	+	1009013	1009035	GGCTCCCCCGGCCCCCGCGCGGC	2787
TJU_CMC.ID02789.3p-miR	5	-	1009715	1009734	CCGCTCCCCGCCCCCGGGCG	2788
TJU_CMC.ID02790.5p-miR	5	-	1064234	1064254	ATCGTGCACGACGGCGGCATG	2789
TJU_CMC.ID02791.5p-miR	5	+	1245999	1246018	GGCTGGGCGCGCGCCGCCTG	2790
TJU_CMC.ID02792.5p-miR	5	-	1784740	1784762	CCTGCCTTAGGGTGGCTTGACTG	2791
TJU_CMC.ID02793.3p-miR	5	-	2075115	2075137	CAGCTTATCAGACAGATGCTTAG	2792
TJU_CMC.ID02794.3p-miR	5	-	2192583	2192602	CAGCAGCAATTCATGTGGAA	2793
TJU_CMC.ID02795.3p-miR	5	-	2469287	2469307	GTGGTGTTTTCCCAGGAACCT	2794
TJU_CMC.ID02796.5p-miR	5	-	2483756	2483777	TGGACTGGGTGGTTTATAAAAC	2795
TJU_CMC.ID02797.5p-miR	5	+	2545834	2545854	GGATGGACATCATTATATGCG	2796
TJU_CMC.ID02798.5p-miR	5	-	2749132	2749153	CGTGGACTCGCTCACGGATCAC	2797
TJU_CMC.ID02799.5p-miR	5	-	2751476	2751495	GCCCGGCTCGCTGGCGCTCT	2798
TJU_CMC.ID02800.3p-miR	5	+	3190137	3190156	CAGCCGACTGAGAACTGATC	2799
TJU_CMC.ID02801.3p-miR	5	-	3198457	3198479	CACAATTACAATTCCAGCTCCAT	2800
TJU_CMC.ID02802.3p-miR	5	+	3448416	3448437	TCCTGGTTGTGACACGCAAAGC	2801
TJU_CMC.ID02803.3p-miR	5	-	3448562	3448582	AGCATGGCACTGGTATGGGTG	2802
TJU_CMC.ID02804.5p-miR	5	-	3878241	3878260	CTGACCTAGGAATTGAACTC	2803
TJU_CMC.ID02805.3p-miR	5	-	4620304	4620326	AGCCAGTTTTCCCAGGAATCCTT	2804
TJU_CMC.ID02806.3p-miR	5	-	4725774	4725793	AGCAAACATCTGTTGAGAGT	2805
TJU_CMC.ID02807.5p-miR	5	+	4943941	4943961	CCCAGTGTTCAGCAGCAGACA	2806

Table 1. Novel miRNA sequences

TJU_CMC.ID02808.3p-miR	5	-	5169836	5169857	CGTGGACGACCTGCTTCTCACT	2807
TJU_CMC.ID02809.3p-miR	5	-	5277492	5277511	GGCCCTATAGCTCAGGGGCC	2808
TJU_CMC.ID02810.3p-miR	5	-	5503199	5503218	GGGGGAGTGTTTTTTTGTTT	2809
TJU_CMC.ID02811.5p-miR	5	-	5707369	5707391	TGGCTCAGACACTACTTCCATAG	2810
TJU_CMC.ID02812.3p-miR	5	-	6111309	6111330	CAGTGCAATCTACGCCTTGCGT	2811
TJU_CMC.ID02813.3p-miR	5	+	6211436	6211455	TAGCACACGAGGAAGCTGAC	2812
TJU_CMC.ID02814.3p-miR	5	-	6518325	6518346	TGAGTGTCCCTGCCCCTGGCTT	2813
TJU_CMC.ID02815.5p-miR	5	+	6640540	6640560	GCTCCATCATCAAACATGTCT	2814
TJU_CMC.ID02816.5p-miR	5	-	7094973	7094993	CAGTGCAATGTGAAAGGGGTA	2815
TJU_CMC.ID02817.5p-miR	5	-	7745397	7745419	CAAAGTGCTTACAGTCGACTGCG	2816
TJU_CMC.ID02818.3p-miR	5	+	7855256	7855277	GACTTCAGTGGTAGAATCTCTA	2817
TJU_CMC.ID02819.5p-miR	5	+	8794918	8794938	CAGTTGGGCAGTTTATGGGAC	2818
TJU_CMC.ID02820.5p-miR	5	-	8910901	8910923	GTTATCAGACTGATGATGACATC	2819
TJU_CMC.ID02821.5p-miR	5	+	9351943	9351964	TCAAGTCTCAAAGCTGTACTCT	2820
TJU_CMC.ID02822.3p-miR	5	-	9370556	9370575	ATGATTAAGAGCCTGCCAGA	2821
TJU_CMC.ID02823.5p-miR	5	-	9546318	9546339	CCCCGGCGGGGAGGAGGAGGAG	2822
TJU_CMC.ID02824.5p-miR	5	-	10080954	10080975	ATCACATTGCCAGTCTCCCTTG	2823
TJU_CMC.ID02825.5p-miR	5	-	10129624	10129644	CTTTTTGTCATATTGCCCAGG	2824
TJU_CMC.ID02826.5p-miR	5	+	10888546	10888565	AACTTTAGCATAAGTGAGTC	2825
TJU_CMC.ID02827.5p-miR	5	-	11023011	11023031	CTGCAAGCAAGGCCATGTCGG	2826
TJU_CMC.ID02828.5p-miR	5	-	11030173	11030194	AGAGGTAGTAGGTTGATATAGT	2827
TJU_CMC.ID02829.5p-miR	5	+	11102923	11102942	ATGGCCCCTGTAAAAAAAGG	2828
TJU_CMC.ID02830.5p-miR	5	-	11243878	11243900	CTTTTTGGTTTCCGTACCAGCAG	2829
TJU_CMC.ID02831.3p-miR	5	+	11555527	11555549	GAAAGTCTCAGAGCACTAGTGAC	2830
TJU_CMC.ID02832.5p-miR	5	-	12563312	12563332	ACATATATGAGGCATATATAT	2831
TJU_CMC.ID02833.5p-miR	5	-	12589065	12589086	AAAGGCAATGGTAGCATAGACA	2832
TJU_CMC.ID02834.3p-miR	5	+	13610772	13610792	TAGCACCATCTGAGGATAACT	2833
TJU_CMC.ID02835.3p-miR	5	-	13719402	13719422	ATACTAGTGTATACTGGAACA	2834
TJU_CMC.ID02836.5p-miR	5	-	14029603	14029624	GCCCTGTGGGGTGCAGAGCAGC	2835
TJU_CMC.ID02837.3p-miR	5	+	14869648	14869667	CCATGATAATCAGGTTAGCA	2836
TJU_CMC.ID02838.3p-miR	5	+	14871914	14871933	CACGAGGCGCCGCCGCCGCC	2837

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TJU_CMC.ID02839.5p-miR	5	+	15432071	15432092	TATACACATCTGATCGATCTTA	2838
TJU_CMC.ID02840.5p-miR	5	-	15561887	15561907	CAGTCAAATGCAAATCAAAAC	2839
TJU_CMC.ID02841.3p-miR	5	-	15610363	15610384	TCCCTCTCTGGGATTCTTCTGA	2840
TJU_CMC.ID02842.5p-miR	5	+	16115406	16115427	TAGCACCACTTCTGTGCGTCCG	2841
TJU_CMC.ID02843.3p-miR	5	-	16434922	16434941	CCCTTGCCTAGATTATGAAA	2842
TJU_CMC.ID02844.3p-miR	5	-	16443728	16443748	ACACAAGAGGATGTCTGACCA	2843
TJU_CMC.ID02845.3p-miR	5	+	16540179	16540198	TAGGAATACAGACACTCAGT	2844
TJU_CMC.ID02846.3p-miR	5	-	16762561	16762582	TGTCAGTCCGCTGGCCCAACTG	2845
TJU_CMC.ID02847.5p-miR	5	+	16828224	16828243	GCATTAGTATCTCCGCGGCA	2846
TJU_CMC.ID02848.5p-miR	5	+	18263445	18263467	ATGCTATAATTCACAATGAACTG	2847
TJU_CMC.ID02849.5p-miR	5	+	18920176	18920197	ACCAATAATGGTAATGCCATTT	2848
TJU_CMC.ID02850.5p-miR	5	+	18920820	18920842	AGCAGCAATGTTGTTTGCTACAA	2849
TJU_CMC.ID02851.5p-miR	5	-	19485791	19485812	ATGCAACATCCTACAGCTGATA	2850
TJU_CMC.ID02852.3p-miR	5	+	19564218	19564237	AGCACTCCAGGGTCCTTAAT	2851
TJU_CMC.ID02853.5p-miR	5	-	19677294	19677314	TTACACTGTTAGCCTGATGCA	2852
TJU_CMC.ID02854.5p-miR	5	-	20106246	20106267	AGAGGGTTGGGAACTGTTGACA	2853
TJU_CMC.ID02855.5p-miR	5	+	20539229	20539248	CTCAAGTAATCCAGCCGCTT	2854
TJU_CMC.ID02856.5p-miR	5	+	20571969	20571988	TAGCACCATTTGAAAAAAGC	2855
TJU_CMC.ID02857.5p-miR	5	-	20620113	20620132	ATTGCGGCTGCTCCCTACAC	2856
TJU_CMC.ID02858.3p-miR	5	+	20647740	20647762	TGCGAGTCCCTGATGAAATTTCT	2857
TJU_CMC.ID02859.3p-miR	5	-	21451522	21451543	AGGAGTCTCATCTAACTTGAGA	2858
TJU_CMC.ID02860.3p-miR	5	-	21903172	21903192	GAGCAGCACCTAATGGTTGTT	2859
TJU_CMC.ID02861.5p-miR	5	-	22788982	22789003	AAAATGTGGACTCAGCAACTAG	2860
TJU_CMC.ID02862.5p-miR	5	+	22935716	22935736	TGTCTGCTGCTTGGTGCCTGA	2861
TJU_CMC.ID02863.5p-miR	5	-	23029610	23029631	GTCTGAAACAGATTATGGGGCA	2862
TJU_CMC.ID02864.5p-miR	5	+	24521519	24521541	GGTGCATGCTTGCATGCCTGACT	2863
TJU_CMC.ID02865.3p-miR	5	+	24750842	24750861	AGCTCCCACATTGACCAAAC	2864
TJU_CMC.ID02866.3p-miR	5	-	24921874	24921895	CAAATAACAGGGACTGCATAAC	2865
TJU_CMC.ID02867.5p-miR	5	-	25086259	25086280	GCATTTGTAGGATGTGAGTAGG	2866
TJU_CMC.ID02868.3p-miR	5	-	25790850	25790869	CCTCTACTGGGGCGAATACG	2867
TJU_CMC.ID02869.5p-miR	5	+	26146955	26146976	CTAACTTGTGATCCCTGGATTT	2868

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TJU_CMC.ID02870.5p-miR	5	+	26436486	26436505	CTAGTTGAATATAACGGGTT	2869
TJU_CMC.ID02871.5p-miR	5	+	26562731	26562752	CTACTGGGTGACAATACTTTGC	2870
TJU_CMC.ID02872.3p-miR	5	+	26657497	26657519	CAGGTCAATTTTTGAAGGCTTTG	2871
TJU_CMC.ID02873.3p-miR	5	+	26881414	26881433	GAATCATATGGAGGTGCACT	2872
TJU_CMC.ID02874.5p-miR	5	-	27110655	27110674	AATGCTATGGCAGCATCAAG	2873
TJU_CMC.ID02875.3p-miR	5	+	27539468	27539489	AAGCTGCCAGTTCTTCCCAGTT	2874
TJU_CMC.ID02876.5p-miR	5	+	28018056	28018077	GCATGGCACTCATAACTACATG	2875
TJU_CMC.ID02877.3p-miR	5	+	28964686	28964705	CTGACCTATGAGTTGATCAG	2876
TJU_CMC.ID02878.3p-miR	5	-	29234324	29234346	GTGCCTGTTTCAGCAGGAACAGT	2877
TJU_CMC.ID02879.5p-miR	5	-	29634629	29634648	AGCTACATTGTCAATCAGGT	2878
TJU_CMC.ID02880.5p-miR	5	-	30721328	30721347	TGGCTCAGTTCAGCACATTG	2879
TJU_CMC.ID02881.5p-miR	5	-	30803567	30803586	GCATGCTGAGAATCATTTTA	2880
TJU_CMC.ID02882.3p-miR	5	+	30940184	30940207	GTTCGAGTCTTCTCCTGACAGTGG	2881
TJU_CMC.ID02883.5p-miR	5	-	31174147	31174168	AATGCAATGTCTTTATGGGTGA	2882
TJU_CMC.ID02884.3p-miR	5	+	31193906	31193926	GCCGGCGACCGCGGCGGCGGC	2883
TJU_CMC.ID02885.3p-miR	5	-	31357005	31357027	ATAGCATAGACTGTGACAACAGG	2884
TJU_CMC.ID02886.5p-miR	5	+	31497210	31497229	GATGCGACTCTGAGCTGAGC	2885
TJU_CMC.ID02887.3p-miR	5	-	32087630	32087651	CCTGTCATTTCCAGAGCCTTAC	2886
TJU_CMC.ID02888.3p-miR	5	-	32197526	32197545	CGCGACCTCAGATCAGCCTG	2887
TJU_CMC.ID02889.3p-miR	5	+	32473444	32473465	TCCAGTCTCAGGATCCTTGTGT	2888
TJU_CMC.ID02890.3p-miR	5	+	33826982	33827001	GCTACATTGCCAGGCATTAC	2889
TJU_CMC.ID02891.3p-miR	5	+	33955147	33955166	TACCTGGTTGATCCTAACCA	2890
TJU_CMC.ID02892.3p-miR	5	+	34580761	34580780	CAGAGGATAAGGCCAGTGAG	2891
TJU_CMC.ID02893.3p-miR	5	+	34789528	34789549	AAACCCTGCTTTGGGGATGATC	2892
TJU_CMC.ID02894.5p-miR	5	+	35127306	35127327	TAGCTTGGCTTCACACTCAGCT	2893
TJU_CMC.ID02895.5p-miR	5	-	35235420	35235441	TTGCTTATCAGACTAGCAAGAT	2894
TJU_CMC.ID02896.3p-miR	5	-	35250476	35250495	TAGAGGTAGTCTGCAGCACC	2895
TJU_CMC.ID02897.3p-miR	5	+	36087243	36087265	TACCTGGTTGATCCTGCCAGTTA	2896
TJU_CMC.ID02898.5p-miR	5	-	36270095	36270116	CTCAGTGGTTTTGTTTCCTTTC	2897
TJU_CMC.ID02899.5p-miR	5	-	37016072	37016093	TGTCAGTCATCTGTCTACCAAC	2898
TJU_CMC.ID02900.5p-miR	5	+	37548967	37548988	ATCCAGTTTTCCCAGTCCATTT	2899

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TJU_CMC.ID02901.3p-miR	5	-	37623089	37623108	TAGCTAGTATCTGGCTAATG	2900
TJU_CMC.ID02902.5p-miR	5	+	37659352	37659373	CTGCAATGAAGTAGTAGCAATG	2901
TJU_CMC.ID02903.5p-miR	5	+	37804659	37804678	TAAAGGTTGACCTGTAAAAA	2902
TJU_CMC.ID02904.3p-miR	5	+	37954697	37954718	TTAACATAACAGTAATACCATA	2903
TJU_CMC.ID02905.3p-miR	5	+	38304179	38304198	CAAGGTCACGCCATTGCGCT	2904
TJU_CMC.ID02906.3p-miR	5	-	38317974	38317994	AGCTGTCTAATCTACACCTGC	2905
TJU_CMC.ID02907.3p-miR	5	+	38882332	38882352	GCCATAGATAGTGTGTAAACC	2906
TJU_CMC.ID02908.3p-miR	5	-	39935767	39935788	ACAGTACAGACGTGTAACCCAC	2907
TJU_CMC.ID02909.3p-miR	5	+	40129544	40129566	CCACTGTTAGTCTGATGGAGTTC	2908
TJU_CMC.ID02910.3p-miR	5	+	40847023	40847044	GCAAGTCTCAAAGCCAGGTTTA	2909
TJU_CMC.ID02911.3p-miR	5	-	41290179	41290199	ACGAGCTGAGTACAGCCTACC	2910
TJU_CMC.ID02912.5p-miR	5	+	41475748	41475767	TCCCTGTTCAGGCGCCACCT	2911
TJU_CMC.ID02913.3p-miR	5	-	41551533	41551554	ATTGGCAAACAGTGATACTTTG	2912
TJU_CMC.ID02914.3p-miR	5	-	42302863	42302885	TGATAATAGTAGCACTACTTCAC	2913
TJU_CMC.ID02915.3p-miR	5	+	42541397	42541418	ACAGATGGGTGACATTTGAATG	2914
TJU_CMC.ID02916.5p-miR	5	+	43044245	43044266	TAGTGACGGCGGTCTCGCTATG	2915
TJU_CMC.ID02917.5p-miR	5	-	43140527	43140548	AAAGTACCGTTATTACTCTCAT	2916
TJU_CMC.ID02918.3p-miR	5	-	43550689	43550708	CTTACCTCAAAATGTTCTAG	2917
TJU_CMC.ID02919.5p-miR	5	-	43699020	43699041	AGGTCTAATCCATTACTAGACT	2918
TJU_CMC.ID02920.5p-miR	5	-	43853520	43853541	AGGCTCCGGTCACATCAAAGGC	2919
TJU_CMC.ID02921.5p-miR	5	+	43981527	43981548	TCCCTGAGACCCTGGCTGGAAG	2920
TJU_CMC.ID02922.3p-miR	5	-	44294768	44294788	TGAGGTAGTAGTTTGTTCCTG	2921
TJU_CMC.ID02923.5p-miR	5	-	44479869	44479888	GCACTCTGCTATCACCTAGT	2922
TJU_CMC.ID02924.5p-miR	5	+	44521210	44521232	CTGTCTCTCCAGATTTGGGGAAG	2923
TJU_CMC.ID02925.3p-miR	5	+	44536609	44536628	TCTTTAATGCTCTTGTCATT	2924
TJU_CMC.ID02926.5p-miR	5	+	44634031	44634052	TATGTGCCATCAGGCTAAACCA	2925
TJU_CMC.ID02927.5p-miR	5	+	46074850	46074871	TTTCTGAGACCCTAATTTGTGA	2926
TJU_CMC.ID02928.3p-miR	5	-	46209052	46209072	TAGCTTATCTCTGTGAGATGA	2927
TJU_CMC.ID02929.3p-miR	5	+	49597940	49597962	TTACTTATTGATGTGATGAACAC	2928
TJU_CMC.ID02930.3p-miR	5	-	49666614	49666635	GTCTCATCGCTTGGTGATAGGC	2929
TJU_CMC.ID02931.3p-miR	5	+	49790410	49790429	TAGAGGAGAAAAATGGTGGT	2930

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TJU_CMC.ID02932.5p-miR	5	+	49849590	49849611	TTAAATCCTGTCGAGTGCTGCT	2931
TJU_CMC.ID02933.5p-miR	5	-	50091029	50091050	CCTGCTTAACAGTTTATGGGGC	2932
TJU_CMC.ID02934.3p-miR	5	+	50202261	50202283	TTTCAACAGTATAAATTTGTCTG	2933
TJU_CMC.ID02935.5p-miR	5	-	51112308	51112330	TGTAGTGTTGAAGCAGGGCATGA	2934
TJU_CMC.ID02936.3p-miR	5	+	51258053	51258073	ACTGCAAACTCAACTACCCAG	2935
TJU_CMC.ID02937.5p-miR	5	+	52086288	52086309	GCTAGAATCAAGATGTCACCAG	2936
TJU_CMC.ID02938.5p-miR	5	-	52378034	52378055	GCCAGATGCTAGACTAGTCTCT	2937
TJU_CMC.ID02939.3p-miR	5	+	52379477	52379498	GAGTCATCTGGGATACTTGTGA	2938
TJU_CMC.ID02940.5p-miR	5	+	52501062	52501084	GCTATGCTACAGTGTCACCCCCA	2939
TJU_CMC.ID02941.5p-miR	5	-	52785393	52785413	CCAGAGAATGGGGAGAAGCAG	2940
TJU_CMC.ID02942.3p-miR	5	-	53130268	53130287	GGTCTGGATCTATCTTCGTG	2941
TJU_CMC.ID02943.3p-miR	5	+	53308243	53308263	CAACAATTTAGTTTTGTCTTG	2942
TJU_CMC.ID02944.3p-miR	5	+	53813989	53814008	CGGCGGCCCGGGCGCCCCGG	2943
TJU_CMC.ID02945.5p-miR	5	-	53852649	53852669	AATAAGGCCTGCCACACTGTG	2944
TJU_CMC.ID02946.3p-miR	5	-	54613363	54613385	AGCAGCATTTATTGAATAGCGAG	2945
TJU_CMC.ID02947.3p-miR	5	+	54844135	54844157	TTCACAGATTAGCCTGGACGCAA	2946
TJU_CMC.ID02948.3p-miR	5	-	54876587	54876608	TGTAGACTGGACTAGAAGGCAG	2947
TJU_CMC.ID02949.5p-miR	5	-	55254812	55254834	TTGAGTGCTGCACTGTACTCATG	2948
TJU_CMC.ID02950.3p-miR	5	+	55597019	55597039	AGGCAATGTTCATGGCCTACT	2949
TJU_CMC.ID02951.5p-miR	5	+	57277134	57277155	TAGACTGGGCAACTTATAAAAA	2950
TJU_CMC.ID02952.5p-miR	5	+	58446977	58446999	GGATATTGTCATATGGTGATGAG	2951
TJU_CMC.ID02953.5p-miR	5	-	58481331	58481353	TAAGGAACCCAGAAATACTGTGG	2952
TJU_CMC.ID02954.3p-miR	5	-	58492711	58492732	TAGTTTATCAGACTGGCAAATC	2953
TJU_CMC.ID02955.3p-miR	5	-	58536666	58536687	TTAGCTTAATCACTAGGCTATA	2954
TJU_CMC.ID02956.5p-miR	5	+	58635223	58635245	GGTTAGTTTCAGCATGCAACTGG	2955
TJU_CMC.ID02957.5p-miR	5	-	58710617	58710638	GCCCCAGAGTCCTAGTCCACAT	2956
TJU_CMC.ID02958.3p-miR	5	+	58817710	58817730	TTGTTAACCGTTGAAGGTTGA	2957
TJU_CMC.ID02959.5p-miR	5	+	58858884	58858905	ATCAGTTTGCTGAATCAAACAG	2958
TJU_CMC.ID02960.5p-miR	5	-	59516477	59516497	CTGCAATGTTCATGGCATGGC	2959
TJU_CMC.ID02961.3p-miR	5	+	59701097	59701116	GTCCAGTTTTCCCAAGAGGA	2960
TJU_CMC.ID02962.3p-miR	5	-	59923854	59923875	TTGATTGCACAGTTTATTTGGT	2961

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TJU_CMC.ID02963.3p-miR	5	-	59961116	59961136	TAAATAATGATTTGGCCATAT	2962
TJU_CMC.ID02964.5p-miR	5	-	60407888	60407909	CAGACCCCAATACAAAAATAAC	2963
TJU_CMC.ID02965.5p-miR	5	+	61011380	61011400	ATCAATGGCAACATACTGAGT	2964
TJU_CMC.ID02966.3p-miR	5	+	61196241	61196262	TCGATCCCCAGTACCTGGTGTT	2965
TJU_CMC.ID02967.5p-miR	5	-	61215090	61215111	TTATAAGGTGAGAGTTTACTTG	2966
TJU_CMC.ID02968.3p-miR	5	-	63581074	63581095	TCAGATGAAGCACTGTGGCCAG	2967
TJU_CMC.ID02969.5p-miR	5	-	63830573	63830593	TTTGAGCTCCAGATTTGTCCT	2968
TJU_CMC.ID02970.3p-miR	5	-	63947272	63947294	AAGCTTATACTCACAGCAGAAGA	2969
TJU_CMC.ID02971.3p-miR	5	+	63979007	63979028	ATCGTGCCATTGCCCTCCAGGC	2970
TJU_CMC.ID02972.3p-miR	5	+	64831768	64831789	TGAGTCACCGATGGTATAAAAC	2971
TJU_CMC.ID02973.3p-miR	5	+	64928042	64928062	GATCGTGCCACTGTAGTCCAA	2972
TJU_CMC.ID02974.3p-miR	5	-	65440369	65440388	CCCAGCCGAGCTCCAGCACT	2973
TJU_CMC.ID02975.5p-miR	5	-	65636750	65636773	TGCAGAGAAAGGCTCTTCCTGAAT	2974
TJU_CMC.ID02976.5p-miR	5	-	66124264	66124284	GTCACAGTGGCTAAGTAAATC	2975
TJU_CMC.ID02977.3p-miR	5	-	66194455	66194474	GGTTCAGTGGTAAAGTGCTT	2976
TJU_CMC.ID02978.3p-miR	5	+	66312884	66312905	TCGATGGCACTCAAATACACCT	2977
TJU_CMC.ID02979.3p-miR	5	+	66475770	66475792	TAGCTTGTCAGAGCAGCAACAAC	2978
TJU_CMC.ID02980.3p-miR	5	-	67370550	67370571	ATAGCTGCCACTGGGTGGGGGT	2979
TJU_CMC.ID02981.5p-miR	5	-	67587020	67587042	CAAAGTGCTACACTGTTCTCATC	2980
TJU_CMC.ID02982.3p-miR	5	+	68344959	68344981	CAAAGTGCTTACAGCATAGGAAG	2981
TJU_CMC.ID02983.5p-miR	5	-	68665482	68665503	AATGTGTCATCGAAAGCCAGGT	2982
TJU_CMC.ID02984.5p-miR	5	-	71000957	71000979	CTGCAACAGCTGACAACTACACT	2983
TJU_CMC.ID02985.3p-miR	5	-	71043219	71043238	CATATGATCAAAGACCAAGG	2984
TJU_CMC.ID02986.3p-miR	5	+	71184902	71184924	CCCAGTGGGACTCAGTGCTGTTA	2985
TJU_CMC.ID02987.3p-miR	5	+	71212510	71212529	AGCCCACCGCTGCCACCACT	2986
TJU_CMC.ID02988.3p-miR	5	+	72547424	72547444	CGGCAATGAGCTAATGGCATA	2987
TJU_CMC.ID02989.3p-miR	5	-	72743894	72743913	CGGCCCCGGCGGCGGGGGCA	2988
TJU_CMC.ID02990.5p-miR	5	-	72829397	72829417	AGACCGAAGTTTTTTTTTAGAC	2989
TJU_CMC.ID02991.3p-miR	5	-	73053029	73053051	CCGATGGCACAGTTTATTTTTCA	2990
TJU_CMC.ID02992.3p-miR	5	-	73492233	73492253	GTCTGAAACAGTTTCGTTTTC	2991
TJU_CMC.ID02993.3p-miR	5	-	73525626	73525645	CAGTATCCAGAGCTTTCTTT	2992

Table 1. Novel miRNA sequences

TJU_CMC.ID02994.5p-miR	5	+	74168326	74168347	AAAAATGTCTAGGCTTGGTGTG	2993
TJU_CMC.ID02995.5p-miR	5	-	74655346	74655365	TGAGGTAGTAGGTTGGTCCC	2994
TJU_CMC.ID02996.5p-miR	5	-	74937413	74937434	CAAGGTGCAGAGCAGCATATAT	2995
TJU_CMC.ID02997.3p-miR	5	+	75698990	75699011	GGGGGAGAAGGGGGCGGGTCCAC	2996
TJU_CMC.ID02998.3p-miR	5	+	75707810	75707831	GGACAGTAAGAATTGATAGATG	2997
TJU_CMC.ID02999.3p-miR	5	+	75768380	75768400	TTATCTGACTCAGCAGGACAC	2998
TJU_CMC.ID03000.5p-miR	5	-	75886717	75886737	GTCTCACTATAGCGCGCAGGC	2999
TJU_CMC.ID03001.3p-miR	5	-	76655182	76655202	ATCATGCTCAGGGTAGGTGCA	3000
TJU_CMC.ID03002.3p-miR	5	-	76946183	76946204	TCTGCCAACCCTTGTACCTCCA	3001
TJU_CMC.ID03003.3p-miR	5	-	77138013	77138036	GGCTGCTAAATGCTTTTACATGGT	3002
TJU_CMC.ID03004.3p-miR	5	-	78087723	78087742	CATACCACTGCGCCATCCAA	3003
TJU_CMC.ID03005.3p-miR	5	+	78186239	78186260	ACTCTTTCCCTGTTGCACTACA	3004
TJU_CMC.ID03006.5p-miR	5	-	79259033	79259055	CCTCAGTTTTCCCAGGAGTCCCT	3005
TJU_CMC.ID03007.3p-miR	5	+	79336277	79336297	GTGGGGGGCGGTTCAGGAAGA	3006
TJU_CMC.ID03008.3p-miR	5	+	79367269	79367290	CAGAGTGTGTCTTTATGGGGTA	3007
TJU_CMC.ID03009.3p-miR	5	+	80309709	80309730	TCTGATGGGTGACAATGTTTTG	3008
TJU_CMC.ID03010.5p-miR	5	+	80403250	80403269	GAGAACCCATGAGATAATTG	3009
TJU_CMC.ID03011.5p-miR	5	+	81000014	81000035	TGATGACATGACTACGATTGGT	3010
TJU_CMC.ID03012.5p-miR	5	+	81185278	81185297	CTGAGAAGATGTTTTGGTAA	3011
TJU_CMC.ID03013.5p-miR	5	-	81846145	81846166	TGTAGACTTTCTCCATCTTGGA	3012
TJU_CMC.ID03014.5p-miR	5	-	82332543	82332562	AACCCCTTAGGCTGACAACT	3013
TJU_CMC.ID03015.5p-miR	5	+	82918127	82918149	AATGATGGGGTACAGGAAGCCCT	3014
TJU_CMC.ID03016.5p-miR	5	+	83678291	83678311	CCGCGCCGCCCTCCACCTCGG	3015
TJU_CMC.ID03017.5p-miR	5	-	84102151	84102170	CTGACCTATGAATTGATTTA	3016
TJU_CMC.ID03018.3p-miR	5	+	84398340	84398360	ATCACATTGGGTCTTCTATGG	3017
TJU_CMC.ID03019.5p-miR	5	+	84848758	84848778	CAATTTGAGCTAAAATTTGGG	3018
TJU_CMC.ID03020.5p-miR	5	+	85868794	85868815	ATTCTGACTAATACAAATGTCA	3019
TJU_CMC.ID03021.3p-miR	5	-	85983210	85983231	TGACAGTTTGTCAAATATTTGA	3020
TJU_CMC.ID03022.3p-miR	5	+	86012403	86012422	GTCCAGTTTTCCCGTGAATT	3021
TJU_CMC.ID03023.3p-miR	5	-	86169788	86169808	GTGGGATGCTATAGGATAACA	3022
TJU_CMC.ID03024.3p-miR	5	-	86836984	86837004	CACTGCAATTGGCAAAGGAGT	3023

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TJU_CMC.ID03025.3p-miR	5	-	87362517	87362539	GTCCAGTTTTCCCAGCAGCATTT	3024
TJU_CMC.ID03026.5p-miR	5	-	87713235	87713256	TAGCTGGTAAACTTTAGTGGGA	3025
TJU_CMC.ID03027.5p-miR	5	-	87796045	87796065	CCCAGTTGTTGGACTGAAGCT	3026
TJU_CMC.ID03028.5p-miR	5	+	89528447	89528469	AGGCTACATGATCTCCCTACTGT	3027
TJU_CMC.ID03029.5p-miR	5	-	90071648	90071667	TTTGGCAATGGATTAATGGA	3028
TJU_CMC.ID03030.3p-miR	5	-	90126850	90126871	CGTGCAAAAGCCAGCAGGCTTA	3029
TJU_CMC.ID03031.3p-miR	5	+	90947165	90947184	TACTTTGACTACTTGGAGGT	3030
TJU_CMC.ID03032.5p-miR	5	+	91834631	91834650	TGGGGCAACACACGTGTTCA	3031
TJU_CMC.ID03033.3p-miR	5	+	92040225	92040246	GAGGACAACAGAAATACCCCAC	3032
TJU_CMC.ID03034.3p-miR	5	-	92154973	92154994	TGTCAGTGACAGTTTACCCCCA	3033
TJU_CMC.ID03035.3p-miR	5	-	92423750	92423771	TAGCTTAATGAGTGAGGTTTGA	3034
TJU_CMC.ID03036.5p-miR	5	+	92892577	92892596	ATTTTGTTATAGCCACCATA	3035
TJU_CMC.ID03037.3p-miR	5	-	93004575	93004596	GATGCAATGTCTGCATTATATA	3036
TJU_CMC.ID03038.3p-miR	5	+	93149879	93149900	TAGCACCATTTGAGATCTGGTC	3037
TJU_CMC.ID03039.3p-miR	5	+	93700038	93700058	GAAGTCATTAACACGGAGCTC	3038
TJU_CMC.ID03040.5p-miR	5	+	93868097	93868117	CTGCACACCACACGCAGCCTC	3039
TJU_CMC.ID03041.3p-miR	5	-	94136087	94136110	TAACTCTCCTGACCTATCAAATGC	3040
TJU_CMC.ID03042.3p-miR	5	-	94206591	94206612	GTCATCTATCTTGAAATAGATG	3041
TJU_CMC.ID03043.5p-miR	5	-	94534069	94534091	TGTGGATACTTACAGTATGGTTT	3042
TJU_CMC.ID03044.5p-miR	5	+	94572981	94573001	CTAGACTGAAGCTCCCCAGAA	3043
TJU_CMC.ID03045.3p-miR	5	+	94710980	94711001	TGAGTCGAATAGGGGTGTTTTA	3044
TJU_CMC.ID03046.3p-miR	5	+	94989180	94989201	TTCTGAAATTTCCTTCTTGACC	3045
TJU_CMC.ID03047.5p-miR	5	+	95166362	95166382	CAAGCTCAGGTGTTGGGTCCA	3046
TJU_CMC.ID03048.5p-miR	5	+	95255771	95255793	AACAGCATAAGGTTAATGCCATA	3047
TJU_CMC.ID03049.3p-miR	5	+	95262133	95262154	TAGCACAAAGAGAAATATTGGC	3048
TJU_CMC.ID03050.5p-miR	5	-	95373484	95373505	AAACCACCACCATATGAGAGTT	3049
TJU_CMC.ID03051.5p-miR	5	+	95462619	95462639	GCCTCTACCATTTCTAATTAC	3050
TJU_CMC.ID03052.5p-miR	5	-	95496011	95496033	CATGCAAATCCATGCAAACAGAA	3051
TJU_CMC.ID03053.3p-miR	5	-	95849237	95849259	AGCTACATTGTCTGCTTCTGGCC	3052
TJU_CMC.ID03054.3p-miR	5	+	96061012	96061031	CACAAGACTGTGTAAGGAAA	3053
TJU_CMC.ID03055.5p-miR	5	-	96331394	96331414	TCTCTACAAAAAAATTAAGCC	3054

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TJU_CMC.ID03056.3p-miR	5	+	96356070	96356092	TGAGATGAGATGCCACGATGGTG	3055
TJU_CMC.ID03057.3p-miR	5	-	96409874	96409894	CCACGCCCGGGGCATTTTTTG	3056
TJU_CMC.ID03058.5p-miR	5	+	96793615	96793634	ACTGCTTTACAATCACCATG	3057
TJU_CMC.ID03059.5p-miR	5	+	100181616	100181637	GATGGTCAAACTGGATGCTCCC	3058
TJU_CMC.ID03060.5p-miR	5	-	101006540	101006561	TTTGGCAATGGATTTGCACTGG	3059
TJU_CMC.ID03061.5p-miR	5	-	101169054	101169075	TTCCCTGCCGAACTCTATCAAA	3060
TJU_CMC.ID03062.5p-miR	5	-	102166662	102166682	CTGACCTATTAATTGAGAGAG	3061
TJU_CMC.ID03063.5p-miR	5	-	102455614	102455635	GCGCAAGCGCCTTTGAGATAGG	3062
TJU_CMC.ID03064.3p-miR	5	+	103755432	103755453	AATGCAATTGGAGGGGATTTGGC	3063
TJU_CMC.ID03065.5p-miR	5	+	104003514	104003535	TCCAGTCTCAGCTAATTTGTGA	3064
TJU_CMC.ID03066.3p-miR	5	+	104474672	104474692	TGAGGTAGTAGGTTGTACTTG	3065
TJU_CMC.ID03067.5p-miR	5	+	105176718	105176739	CTGACCAGCAGGCCAGTGGATT	3066
TJU_CMC.ID03068.5p-miR	5	+	106784039	106784058	GACTATTTGTAGAGGCCCTA	3067
TJU_CMC.ID03069.3p-miR	5	+	107296746	107296767	AAGTGATACGGAGAAGCAGGCT	3068
TJU_CMC.ID03070.5p-miR	5	+	107550591	107550612	TCATTAGACTGAAAAGAAACCC	3069
TJU_CMC.ID03071.5p-miR	5	-	107881101	107881121	ATCATGGAGGAAATTCCACAT	3070
TJU_CMC.ID03072.3p-miR	5	-	108084336	108084357	CGCCGCTTTCTGGGCTCGCTCA	3071
TJU_CMC.ID03073.3p-miR	5	+	109026459	109026481	CGTGCGGCGGCGGCGGCGGCATC	3072
TJU_CMC.ID03074.5p-miR	5	-	109182993	109183012	TAGCACCATTTGGAATCAAA	3073
TJU_CMC.ID03075.5p-miR	5	+	109289870	109289890	AGCTGTGGAAAGTGGATGCTG	3074
TJU_CMC.ID03076.5p-miR	5	-	110287392	110287411	GCATTGGTGGTTCAGTTTTT	3075
TJU_CMC.ID03077.3p-miR	5	+	110649980	110650001	TTGTTCAAATCCAGATAAGGCT	3076
TJU_CMC.ID03078.3p-miR	5	+	110945984	110946004	CTGTGGTGAATTAACCTCTTG	3077
TJU_CMC.ID03079.5p-miR	5	+	111629501	111629522	TCATGGTGTTTCACATGACTGT	3078
TJU_CMC.ID03080.5p-miR	5	-	111692768	111692790	TGGGGTAGTAGTTTGTGCTGCAG	3079
TJU_CMC.ID03081.5p-miR	5	-	111701737	111701758	TGCTAAGTTTAGTTTTCTATTG	3080
TJU_CMC.ID03082.5p-miR	5	-	112112719	112112740	TATCAGAATTCATATCTATAAA	3081
TJU_CMC.ID03083.5p-miR	5	+	112149325	112149347	GTCACCATAGCTGGGCTCATTGG	3082
TJU_CMC.ID03084.5p-miR	5	+	112318253	112318272	TCCCACATGGTCTAGCGTCC	3083
TJU_CMC.ID03085.3p-miR	5	-	112476565	112476587	TCTTAATATGCTGTGATGGGCCA	3084
TJU_CMC.ID03086.5p-miR	5	+	113457433	113457452	GATCGATGTGGTGACATCAT	3085

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TJU_CMC.ID03087.3p-miR	5	+	113753567	113753587	TGATACCATCTGAATAGCCAC	3086
TJU_CMC.ID03088.3p-miR	5	-	114120583	114120605	AGGAGTCTACAAATTCTACACAT	3087
TJU_CMC.ID03089.5p-miR	5	-	114364501	114364522	TGCTGTGGGAAGCAGCATGGCA	3088
TJU_CMC.ID03090.5p-miR	5	-	114529701	114529723	CACCTGAAGGCACTGTACTCGCT	3089
TJU_CMC.ID03091.3p-miR	5	+	114823014	114823036	TGTGGTTTATTGCAGTTTTAATA	3090
TJU_CMC.ID03092.5p-miR	5	+	115142871	115142891	CTAGCTGCGAGAATGCTGCCA	3091
TJU_CMC.ID03093.3p-miR	5	-	116038411	116038430	GCTACTGTGCATTTCTAACC	3092
TJU_CMC.ID03094.5p-miR	5	+	116185481	116185504	AGATATATGTCCTATAACAGCATC	3093
TJU_CMC.ID03095.3p-miR	5	-	116370309	116370331	GGACCTGCAGCCAGATATCTAGA	3094
TJU_CMC.ID03096.5p-miR	5	+	116440869	116440888	TGAGATGAAGACAGTGCTGG	3095
TJU_CMC.ID03097.5p-miR	5	-	116567034	116567053	TTCATATCTAATTTAAAGGG	3096
TJU_CMC.ID03098.3p-miR	5	-	117577136	117577157	CTCTAACCAGGGTGGCATGATC	3097
TJU_CMC.ID03099.3p-miR	5	-	118407068	118407089	CCCGGAGGGCGAGGCCCGGAGG	3098
TJU_CMC.ID03100.3p-miR	5	-	118579681	118579702	CCAAATGCTGCTTTGGTCCTGT	3099
TJU_CMC.ID03101.5p-miR	5	+	119323517	119323536	TAGAGTAGTAGTTTGTAGTT	3100
TJU_CMC.ID03102.3p-miR	5	+	120025885	120025905	AGCAGCTACTCACAGTCTCTG	3101
TJU_CMC.ID03103.3p-miR	5	-	120051485	120051506	TCTTCATCTGAGATGATGTTGG	3102
TJU_CMC.ID03104.5p-miR	5	+	120591628	120591649	CCCAATGGCAAGGTACTGATGG	3103
TJU_CMC.ID03105.5p-miR	5	+	121770753	121770774	ACCACAGGGTAGCCAACAGTTT	3104
TJU_CMC.ID03106.3p-miR	5	+	122611634	122611655	ACTTGACCCTTTGAGGGCTTTC	3105
TJU_CMC.ID03107.3p-miR	5	+	122883302	122883324	CAGGAATAGGAGTATCGTGGCTT	3106
TJU_CMC.ID03108.5p-miR	5	+	123464067	123464088	TTAGCTTTACTGCTGCCCGTTG	3107
TJU_CMC.ID03109.3p-miR	5	+	124237679	124237700	TGAGTCAGTGTCAAATATCCAG	3108
TJU_CMC.ID03110.3p-miR	5	-	124287490	124287512	TCAGGGTGTTTCTGTACCTCACT	3109
TJU_CMC.ID03111.3p-miR	5	-	124341977	124341998	ACGTCGTTACCTAATATGAGTG	3110
TJU_CMC.ID03112.3p-miR	5	+	124394615	124394637	AATAATGCTGCTTAAACTTGTGA	3111
TJU_CMC.ID03113.5p-miR	5	-	124400522	124400541	GTCCAGTTTTCCCATGATAA	3112
TJU_CMC.ID03114.5p-miR	5	+	124575516	124575536	ATTTTGCCATTGAAAGCTCTG	3113
TJU_CMC.ID03115.3p-miR	5	-	124620449	124620469	AGGTAATATGTCTGGCTAGAG	3114
TJU_CMC.ID03116.3p-miR	5	-	124859836	124859855	CAGCTGTGCAGAAAAAAAAAA	3115
TJU_CMC.ID03117.3p-miR	5	+	126054604	126054623	ATACCGCCTTGTCCATCTGC	3116

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TJU_CMC.ID03118.3p-miR	5	-	126423433	126423455	GTGTGACTTTCAGCAGGACACTT	3117
TJU_CMC.ID03119.5p-miR	5	+	126527355	126527374	ACTCCACTCCTGGGCAACGT	3118
TJU_CMC.ID03120.5p-miR	5	-	127098135	127098155	ATGCCAACAACCCAGTAACAA	3119
TJU_CMC.ID03121.5p-miR	5	-	127292702	127292724	TAGTGGTAACAGTTTACAAAACA	3120
TJU_CMC.ID03122.5p-miR	5	-	127344407	127344429	GTTTTTTACCTTTTTTTCTTCTTC	3121
TJU_CMC.ID03123.5p-miR	5	-	127534529	127534551	TCCATGTTAGGTACGTGGGTCAG	3122
TJU_CMC.ID03124.3p-miR	5	+	127958845	127958865	CCAATAATGAAAACTACATAT	3123
TJU_CMC.ID03125.3p-miR	5	+	128006597	128006618	TCGAATCCGAGTCACAGCACCA	3124
TJU_CMC.ID03126.3p-miR	5	-	128047145	128047167	TAGCTGGTAATGAAATCCTGTGG	3125
TJU_CMC.ID03127.5p-miR	5	+	128136762	128136783	TAGGAAGCTGGAACATGTGGTG	3126
TJU_CMC.ID03128.3p-miR	5	-	128326297	128326317	CGCCACCATCTAGGTAGCACC	3127
TJU_CMC.ID03129.3p-miR	5	+	128829980	128830001	TAGCTTATCATCAGTAACACTG	3128
TJU_CMC.ID03130.3p-miR	5	+	128964982	128965003	CTATAGGGCAGGTATCTTGTTT	3129
TJU_CMC.ID03131.3p-miR	5	+	128985438	128985457	ATAGTTGCTCAGGTATAACC	3130
TJU_CMC.ID03132.3p-miR	5	-	128998948	128998967	AGTCAAGGCCTTAACTTTGG	3131
TJU_CMC.ID03133.5p-miR	5	-	129224914	129224933	ATAAGAGCAAATATTATAAG	3132
TJU_CMC.ID03134.3p-miR	5	-	129456056	129456076	CTTACAGGCTACAGAGAACAC	3133
TJU_CMC.ID03135.3p-miR	5	+	129904399	129904420	AGATGTACATTCTTTATAAGGC	3134
TJU_CMC.ID03136.5p-miR	5	-	130749860	130749881	AGCTAAGGGAGGACTGCAGCCA	3135
TJU_CMC.ID03137.3p-miR	5	+	131377569	131377590	TGACAGTAATGACTTCCCTTGC	3136
TJU_CMC.ID03138.5p-miR	5	+	131838452	131838472	GAGGTCAAAAGGGTCCAATTT	3137
TJU_CMC.ID03139.3p-miR	5	+	132790484	132790503	TCTTTTCTGTGGGGGGTGGT	3138
TJU_CMC.ID03140.3p-miR	5	+	132802565	132802585	TGAGTGTGTGTGTGTCAGTGT	3139
TJU_CMC.ID03141.3p-miR	5	-	133126508	133126527	GAATGCCGTGGAGGTGGTAA	3140
TJU_CMC.ID03142.5p-miR	5	-	133229353	133229372	CTGACTCGCAGGCCAGGGTT	3141
TJU_CMC.ID03143.3p-miR	5	-	133253914	133253936	TGTCAGAACTGCTTTATGGGGTT	3142
TJU_CMC.ID03144.3p-miR	5	-	133259223	133259244	TCTGACCACCTGGGCGTCCCAA	3143
TJU_CMC.ID03145.3p-miR	5	-	133412346	133412366	TCTTGAGCCCTTTGAAGGCTG	3144
TJU_CMC.ID03146.5p-miR	5	-	133847543	133847562	GAGCAAGCTGTTCTTCCCTC	3145
TJU_CMC.ID03147.5p-miR	5	-	133920628	133920650	CCGACACAGGTGTGGTTTTAGAG	3146
TJU_CMC.ID03148.5p-miR	5	-	133935568	133935590	AGGTATCCTCCCACTTTAGCCTC	3147

Table 1. Novel miRNA sequences

TJU_CMC.ID03149.3p-miR	5	+	134221522	134221544	TTGTTTTATATATTATCTATT	3148
TJU_CMC.ID03150.3p-miR	5	+	134319911	134319932	CTAGGCAAACAGTTTATGATTG	3149
TJU_CMC.ID03151.3p-miR	5	-	134521307	134521326	GAGAAGCGGCTGTGCACCCA	3150
TJU_CMC.ID03152.5p-miR	5	-	134538174	134538196	TGTCGTTTAGGTAACAGGTGAGA	3151
TJU_CMC.ID03153.3p-miR	5	+	134746392	134746411	TATAGGCTCAGACTGAAGTT	3152
TJU_CMC.ID03154.5p-miR	5	-	134812407	134812427	CCTCCAAATTTCCTTCTTGTC	3153
TJU_CMC.ID03155.5p-miR	5	-	134913547	134913566	CCAATACGGAGCAGTACTGC	3154
TJU_CMC.ID03156.5p-miR	5	-	135099195	135099216	ATCACGTTGCCTCCAGCGCTTG	3155
TJU_CMC.ID03157.3p-miR	5	-	135416265	135416288	CCGGGTCGGAGTTAGCTCAAGCGG	3156
TJU_CMC.ID03158.3p-miR	5	-	135548387	135548407	GCCCCACTCGCGGGCCCAGTC	3157
TJU_CMC.ID03159.3p-miR	5	-	135587241	135587260	AACTTGTAACGCTATTTGTA	3158
TJU_CMC.ID03160.5p-miR	5	-	136270628	136270647	AGCATTTCCTACTTCAAAGG	3159
TJU_CMC.ID03161.5p-miR	5	+	136510219	136510238	AGCGGTCCTGACACATGAGC	3160
TJU_CMC.ID03162.5p-miR	5	-	136656575	136656554	TTGACTGGGCTGTGTTTCCCCA	3161
TJU_CMC.ID03163.3p-miR	5	-	137147562	137147543	GTCGGAATTAGAGGAGATTG	3162
TJU_CMC.ID03164.3p-miR	5	-	137277171	137277149	CAGTATGGCACATGCCTTTATCT	3163
TJU_CMC.ID03165.3p-miR	5	-	137297751	137297730	TAACTAACTGAGAGATACTGTA	3164
TJU_CMC.ID03166.3p-miR	5	+	137408148	137408169	TGTATCTTTCAGTTTATGGGAC	3165
TJU_CMC.ID03167.5p-miR	5	-	137609259	137609280	GCCCTGAGACCTCAGTCCACAA	3166
TJU_CMC.ID03168.3p-miR	5	-	137688527	137688549	GCCGCAGTGTCCGCGAACAGCAG	3167
TJU_CMC.ID03169.3p-miR	5	-	137774643	137774666	GCGGCGGCGGCGGCGCGCCCCCGC	3168
TJU_CMC.ID03170.5p-miR	5	-	137787661	137787681	AGGCTTCTACCTGGCTTAGCT	3169
TJU_CMC.ID03171.5p-miR	5	-	138002644	138002663	GTCTACTTCAAATTCCTCCC	3170
TJU_CMC.ID03172.3p-miR	5	-	138175584	138175604	AAGAGCACCACCAGGAGTATC	3171
TJU_CMC.ID03173.5p-miR	5	+	138272787	138272807	AGCAGCCCACACCATCCCTTG	3172
TJU_CMC.ID03174.3p-miR	5	+	138611990	138612012	TACCCCAGGATGCCAGCATAGTT	3173
TJU_CMC.ID03175.3p-miR	5	+	138613364	138613386	CTCCAGATAAGGGTCCTTAGGAG	3174
TJU_CMC.ID03176.3p-miR	5	+	139252296	139252315	AGACTGCACGTCCGATTGAC	3175
TJU_CMC.ID03177.5p-miR	5	-	139277741	139277763	AGCATAGGCTTTGTTTCCTCCAC	3176
TJU_CMC.ID03178.3p-miR	5	+	139940829	139940852	TCCCTGAGACCAGACATCTCAGAA	3177
TJU_CMC.ID03179.3p-miR	5	+	140480412	140480431	CCGCGAGGGGGGGCCCAAGTT	3178

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TJU_CMC.ID03180.5p-miR	5	+	140892054	140892074	CCCAGGTCCCCAGTGCGCCCC	3179
TJU_CMC.ID03181.5p-miR	5	+	141071313	141071334	TAGCTGCTGCTGATGAAGTGCT	3180
TJU_CMC.ID03182.5p-miR	5	-	141153139	141153159	CAATGAGCGAAAGCTTTTACC	3181
TJU_CMC.ID03183.3p-miR	5	-	141164282	141164302	TGAGATGAAGCACGTGCAACG	3182
TJU_CMC.ID03184.5p-miR	5	+	141546454	141546474	CTGACCTATGAATCAAAGGAC	3183
TJU_CMC.ID03185.5p-miR	5	-	141822302	141822323	GAAGTCTCTGGGATCAGGCTGG	3184
TJU_CMC.ID03186.5p-miR	5	-	141870692	141870711	ATTTTTCTGTGGGGGGTGGG	3185
TJU_CMC.ID03187.5p-miR	5	+	142286122	142286143	TGTCAGTTTGGATTTATGGGTT	3186
TJU_CMC.ID03188.5p-miR	5	+	142429968	142429988	TGAAGGTATTATACAGCAGTG	3187
TJU_CMC.ID03189.5p-miR	5	-	142520991	142521013	GGGCCACGCTCCAGTTGTATTCA	3188
TJU_CMC.ID03190.5p-miR	5	+	143441140	143441162	GGTAGTTATGGTGATGGTGTTGT	3189
TJU_CMC.ID03191.3p-miR	5	-	143555197	143555218	AATGTAAATCCATGCAGTCTGG	3190
TJU_CMC.ID03192.3p-miR	5	-	143611574	143611596	TTCACAGTTCAGCCTAAGGCAAA	3191
TJU_CMC.ID03193.5p-miR	5	+	143683907	143683927	TAGCTTTAGTCTGACTCTCAT	3192
TJU_CMC.ID03194.3p-miR	5	+	144573177	144573199	CATTGCCACTTTAAACACTACCT	3193
TJU_CMC.ID03195.5p-miR	5	+	144656617	144656636	ATCCCTGAAGACTGTGGTTT	3194
TJU_CMC.ID03196.3p-miR	5	+	144857715	144857736	CCAGGGTAGTAGCCATTTGACT	3195
TJU_CMC.ID03197.3p-miR	5	-	145582159	145582181	GATGATGAACAGTTTATGGGGTT	3196
TJU_CMC.ID03198.3p-miR	5	-	145856955	145856975	GCATGGCAGCTAAAACCCCAA	3197
TJU_CMC.ID03199.3p-miR	5	+	145924218	145924238	AGCCATCAACTTGGTCTATCA	3198
TJU_CMC.ID03200.3p-miR	5	-	145924218	145924238	TGATAGACCAAGTTGATGGCT	3199
TJU_CMC.ID03201.3p-miR	5	-	146294992	146295014	GTGTACATAGGTAGAATGACTTC	3200
TJU_CMC.ID03202.5p-miR	5	-	146780880	146780901	ATTAATAATGGTAATAGTAGTT	3201
TJU_CMC.ID03203.3p-miR	5	+	146912411	146912432	AGAGAGAGATGGGAAATAGAAC	3202
TJU_CMC.ID03204.5p-miR	5	-	148187401	148187423	ATGCAGCACAGACCCTCAAAACC	3203
TJU_CMC.ID03205.5p-miR	5	-	148191628	148191647	ACATCTATGGCAGCATCAAC	3204
TJU_CMC.ID03206.5p-miR	5	+	148234575	148234596	GGAGCTGGTGAGTTATGGGGTT	3205
TJU_CMC.ID03207.3p-miR	5	-	149549226	149549248	AGCAGCATTGCACAGGAAGCACC	3206
TJU_CMC.ID03208.3p-miR	5	+	149681997	149682018	CCCAGGGCGCACCACCGGCCCG	3207
TJU_CMC.ID03209.5p-miR	5	-	149787628	149787648	TACCTGGTTGATCCTGCCAGC	3208
TJU_CMC.ID03210.5p-miR	5	+	149918627	149918646	GGGGAACGCTGTGCTGTAGG	3209

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TJU_CMC.ID03211.5p-miR	5	-	150397852	150397874	TGTGGCTTTTCATTCCTAAGAGT	3210
TJU_CMC.ID03212.3p-miR	5	-	150440067	150440086	ATATGTAACGGTCCCTGTGT	3211
TJU_CMC.ID03213.5p-miR	5	+	150580134	150580154	CCTCTGGTAAAGGAAGAAATG	3212
TJU_CMC.ID03214.5p-miR	5	-	150878100	150878121	CAGCAGCAAGGACGTGAGGTTT	3213
TJU_CMC.ID03215.3p-miR	5	+	151544623	151544645	TGGCTCAGAAGAGCAGGACTGTC	3214
TJU_CMC.ID03216.3p-miR	5	-	152223490	152223509	GGTTCCAGCTGTGCTATTTA	3215
TJU_CMC.ID03217.5p-miR	5	+	152616226	152616245	AGGGACTCTGGGATGTACAG	3216
TJU_CMC.ID03218.3p-miR	5	-	152836632	152836651	CCTAGGTAGAAGGCCTTTGA	3217
TJU_CMC.ID03219.3p-miR	5	-	152896848	152896867	GGTGGATGAAAAAATAAAGC	3218
TJU_CMC.ID03220.3p-miR	5	+	153118964	153118983	AAGTGTCACTAGCACAAGGC	3219
TJU_CMC.ID03221.5p-miR	5	-	153345020	153345040	AGGTTAAATGGTTTATCCAGT	3220
TJU_CMC.ID03222.3p-miR	5	+	153429479	153429502	GAACTAGCGTTTCAATTGAGTGTC	3221
TJU_CMC.ID03223.5p-miR	5	-	153484759	153484782	TAAGTAGATACTTTTCTTGCTATA	3222
TJU_CMC.ID03224.3p-miR	5	+	153726750	153726771	ACAACAGTGCCAACCTCACAGG	3223
TJU_CMC.ID03225.3p-miR	5	+	153922581	153922603	TGGCTCAGGGACTAAGGTACTGA	3224
TJU_CMC.ID03226.3p-miR	5	+	154004837	154004856	TCTCCATCATCCAAGATCTA	3225
TJU_CMC.ID03227.3p-miR	5	-	154136959	154136978	GGCGCGCCCCCCCACCCAA	3226
TJU_CMC.ID03228.3p-miR	5	+	154345452	154345475	AGGCCCACCCCAGATATACTGAAT	3227
TJU_CMC.ID03229.3p-miR	5	+	154929158	154929179	GCTTGATTTTAGTGAAGGCTTT	3228
TJU_CMC.ID03230.3p-miR	5	+	155383940	155383960	GCTACAATTCAACCCACTTCA	3229
TJU_CMC.ID03231.5p-miR	5	-	155486317	155486338	TCCTTAGCAGAGGAAGAAGCTA	3230
TJU_CMC.ID03232.5p-miR	5	+	155763618	155763637	TAAAATATGCTCTTGTTTGT	3231
TJU_CMC.ID03233.3p-miR	5	-	155860780	155860801	GAGAAACCAACTTGTGTTGACA	3232
TJU_CMC.ID03234.3p-miR	5	-	156339930	156339951	TGTCAGTTATGCAAAATGGGGT	3233
TJU_CMC.ID03235.3p-miR	5	-	156506153	156506173	ATTCCGCAAATAGTCCAGGCA	3234
TJU_CMC.ID03236.3p-miR	5	+	156986641	156986662	CAAGTTTTTGTCAAATATGGGT	3235
TJU_CMC.ID03237.5p-miR	5	+	157120867	157120886	GCGGGGCTGCACGCGCGCTT	3236
TJU_CMC.ID03238.3p-miR	5	+	157348553	157348572	TCTCTCATTAGGTTTATAAA	3237
TJU_CMC.ID03239.5p-miR	5	+	157390848	157390869	GTCCTCAAAAGGGTGGAATTTT	3238

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TJU_CMC.ID03240.3p-miR	5	-	157532033	157532052	CAACCTCCGAGCAGATGCCA	3239
TJU_CMC.ID03241.5p-miR	5	+	157808330	157808350	GTACTGGGTAGTTTCTGGGGT	3240
TJU_CMC.ID03242.3p-miR	5	+	157926219	157926239	GATGGATTAGGGAGGTGTTCG	3241
TJU_CMC.ID03243.3p-miR	5	-	158469076	158469095	CCTTCCAATTACACAGCAGT	3242
TJU_CMC.ID03244.3p-miR	5	-	158971110	158971132	GCTTCTGTTTCCCAAAGGCTTTC	3243
TJU_CMC.ID03245.3p-miR	5	+	159252602	159252623	TCCTTAGGGGAAAAAGAACAAG	3244
TJU_CMC.ID03246.5p-miR	5	-	159509761	159509780	CTCTTCCTAATGGATATCCT	3245
TJU_CMC.ID03247.3p-miR	5	+	159920037	159920056	GCTGTAACCCACTTTCTTTT	3246
TJU_CMC.ID03248.3p-miR	5	-	160361195	160361217	GTCCAGCCCTGGTGAAGGCTTTG	3247
TJU_CMC.ID03249.5p-miR	5	-	160693575	160693594	TAGTGTTGGGGTCTTAGTCA	3248
TJU_CMC.ID03250.5p-miR	5	+	161172840	161172862	TATCAGTTCACTGGGCACAACAA	3249
TJU_CMC.ID03251.3p-miR	5	-	161574415	161574434	CGTGGCATTGCACTCCGGCC	3250
TJU_CMC.ID03252.3p-miR	5	-	161947046	161947067	CTCCTGACTCCAGGTCCTGACT	3251
TJU_CMC.ID03253.5p-miR	5	-	162219784	162219803	AATCAGAGGCTATTGTTTTG	3252
TJU_CMC.ID03254.5p-miR	5	+	162225647	162225667	CCCCTAATGAAAACTGCATAT	3253
TJU_CMC.ID03255.3p-miR	5	+	162249385	162249406	TTGCTTATCTCTGAAGCATTGA	3254
TJU_CMC.ID03256.3p-miR	5	-	162558898	162558920	GGTGATTATTCTGGCCCATGTTA	3255
TJU_CMC.ID03257.5p-miR	5	-	163733474	163733495	CACAGTTTCAGTTTATGGGGTT	3256
TJU_CMC.ID03258.3p-miR	5	-	163997202	163997225	ATCACATTAGTGAGGATTTCCATT	3257
TJU_CMC.ID03259.5p-miR	5	+	164057306	164057327	TTTTTCATTTCCAGGATAGGTC	3258
TJU_CMC.ID03260.5p-miR	5	-	164625031	164625052	TATATGGTAAACTTTTGTCACA	3259
TJU_CMC.ID03261.3p-miR	5	+	164773224	164773246	TGTCAGTAACTCAAATAAGTGTA	3260
TJU_CMC.ID03262.3p-miR	5	-	165254424	165254445	GGTAGTATCGGTCTGATGGAAC	3261
TJU_CMC.ID03263.3p-miR	5	+	165626012	165626033	TCAGAGTTTGTCAAATATTTTTC	3262
TJU_CMC.ID03264.5p-miR	5	-	166082817	166082836	CTCTACAAAAAAATTAAATG	3263
TJU_CMC.ID03265.5p-miR	5	+	167375514	167375533	TTTTTAGTAAAGAGCCAATA	3264
TJU_CMC.ID03266.3p-miR	5	+	167752223	167752245	ACAGCTCCCACAGGGTACCCCAC	3265
TJU_CMC.ID03267.5p-miR	5	-	167754870	167754889	TGGTAAGGCTTTCCCCTCAC	3266
TJU_CMC.ID03268.5p-miR	5	+	167792151	167792173	AGCAGCCCCAGGTGAAGGAGCAT	3267
TJU_CMC.ID03269.5p-miR	5	-	167956370	167956393	GGCGGCGGGCGGCGGGCGGCGGGG	3268

Table 1. Novel miRNA sequences

TJU_CMC.ID03270.5p-miR	5	-	167987945	167987968	GGCTTCTTTACAGTGCTGCCTTGT	3269
TJU_CMC.ID03271.5p-miR	5	-	168106639	168106658	AGGCTCTATCGCCACCTAGT	3270
TJU_CMC.ID03272.3p-miR	5	+	168244168	168244189	ACTGAGGACGACCTATGGGGTT	3271
TJU_CMC.ID03273.3p-miR	5	-	168406120	168406140	GTCCAGTTTTCCCAGGATGAG	3272
TJU_CMC.ID03274.5p-miR	5	-	168424769	168424790	GTCATAGGCTGGTTGGAAATGC	3273
TJU_CMC.ID03275.3p-miR	5	-	168672669	168672689	CCTGAGTAATCCAGAGGAATC	3274
TJU_CMC.ID03276.5p-miR	5	-	169139920	169139941	ATACACTTGCCTCCAGCCAGGT	3275
TJU_CMC.ID03277.3p-miR	5	+	169426045	169426064	GGTATCGGCTATTGCAGCCT	3276
TJU_CMC.ID03278.3p-miR	5	-	169551040	169551059	AAACCTCTTTACAGTGACTG	3277
TJU_CMC.ID03279.3p-miR	5	+	169647301	169647323	GCTTGACAAAGCCAGGTTAGGGA	3278
TJU_CMC.ID03280.5p-miR	5	+	169798602	169798621	GGCTCATTGGTGAAATGGAG	3279
TJU_CMC.ID03281.3p-miR	5	+	170063023	170063046	TGTGACTCCGATGTGACATTTTGG	3280
TJU_CMC.ID03282.3p-miR	5	-	170090256	170090277	GACTTTAAAGTCAAATACCCCA	3281
TJU_CMC.ID03283.3p-miR	5	+	170362465	170362486	GATGATGGTGACGTATGGATGG	3282
TJU_CMC.ID03284.3p-miR	5	+	170733374	170733395	CAGACTGCCGAGTCCTACCCCA	3283
TJU_CMC.ID03285.3p-miR	5	+	170843783	170843805	TTGTACCTAGATACATTTGTCAG	3284
TJU_CMC.ID03286.5p-miR	5	+	171121216	171121235	CTCCAGGATCTACAGGTGCT	3285
TJU_CMC.ID03287.5p-miR	5	-	171252887	171252906	CAGCCAAGCAACTTAGTATT	3286
TJU_CMC.ID03288.5p-miR	5	-	171286584	171286605	TGTCGTGCTGTCAAATAAACGT	3287
TJU_CMC.ID03289.5p-miR	5	-	171574350	171574370	TGCTGGGTTTAGACCGTGCAC	3288
TJU_CMC.ID03290.3p-miR	5	-	171856767	171856789	CAACTGTAGGCACTGTACTTCTG	3289
TJU_CMC.ID03291.5p-miR	5	+	171964029	171964048	AAGTGGATACTTAACTTGGT	3290
TJU_CMC.ID03292.3p-miR	5	+	171998587	171998606	TCAGTGCACTGTGAGGTCAC	3291
TJU_CMC.ID03293.5p-miR	5	-	172096862	172096885	CGCGTGGAAGCGCGGCGCCTCGCC	3292
TJU_CMC.ID03294.3p-miR	5	-	172170189	172170208	GCCAGAGCCCGGCTAGCGTG	3293
TJU_CMC.ID03295.5p-miR	5	-	172182443	172182464	ATTGTGACAGACCATTGTGATG	3294
TJU_CMC.ID03296.3p-miR	5	+	172478012	172478034	CAACGGAATCCCAAAGCCCTCTG	3295
TJU_CMC.ID03297.3p-miR	5	-	172529943	172529964	CATCCAGAAGGAATGAAGTCAA	3296
TJU_CMC.ID03298.3p-miR	5	+	172732235	172732254	TGACAGTGTGCACCTAATGC	3297

Table 1. Novel miRNA sequences

TJU_CMC.ID03299.3p-miR	5	+	173085842	173085863	ATCCTGCTGCCAGCCTAACACC	3298
TJU_CMC.ID03300.5p-miR	5	+	173125915	173125936	TGAGGCTTGAAACAAAGCAGCT	3299
TJU_CMC.ID03301.3p-miR	5	-	173143597	173143619	AGACCTGAACAGACTGAGGGATG	3300
TJU_CMC.ID03302.3p-miR	5	+	173196566	173196588	CACTGGTGTGCTGGGCAAAAACC	3301
TJU_CMC.ID03303.3p-miR	5	+	173379266	173379286	GCATAATGCTAATTATTACGC	3302
TJU_CMC.ID03304.3p-miR	5	+	173591872	173591892	TAGGGCTATGGAGGTGGTTGA	3303
TJU_CMC.ID03305.5p-miR	5	-	173599752	173599771	AGGCAAGATGCTGGCAAACT	3304
TJU_CMC.ID03306.5p-miR	5	-	174576042	174576064	AGGCTTATCACTGTGATGGTGAC	3305
TJU_CMC.ID03307.5p-miR	5	+	174598024	174598045	TAGCAGCCATGCAAAATGGGCA	3306
TJU_CMC.ID03308.5p-miR	5	+	174766414	174766435	AGGTACTCTCCCTTTAGTGATC	3307
TJU_CMC.ID03309.5p-miR	5	+	175173838	175173859	TCTACTTAGTCAGGCTATTGTT	3308
TJU_CMC.ID03310.5p-miR	5	-	175569729	175569750	AGCAGCCCAAGTTGTACCTTGG	3309
TJU_CMC.ID03311.5p-miR	5	+	175665772	175665793	CCCCGGGGAGCGCGGCGGGCCG	3310
TJU_CMC.ID03312.5p-miR	5	-	175790985	175791004	GGCGTGGAGCCGGGCGTGGT	3311
TJU_CMC.ID03313.3p-miR	5	+	175977698	175977719	GGGAGCTCTGTAGCATCGTGGC	3312
TJU_CMC.ID03314.5p-miR	5	+	176251938	176251959	TCTCCCCACCCTGTGCACAGTG	3313
TJU_CMC.ID03315.5p-miR	5	+	176470639	176470661	TTCCTGTAGTCTGGCTACTTGCA	3314
TJU_CMC.ID03316.5p-miR	5	-	176737401	176737420	CCCCCCACTGCGCCCGGACT	3315
TJU_CMC.ID03317.5p-miR	5	-	176791859	176791880	TGGTTCAGGGACTACTCTGTGA	3316
TJU_CMC.ID03318.5p-miR	5	-	176941855	176941876	CTGCCATCTGGTGCCAGCCTTT	3317
TJU_CMC.ID03319.3p-miR	5	+	177228859	177228878	AGCGATCATGCTGTCATAGC	3318
TJU_CMC.ID03320.5p-miR	5	-	177419495	177419515	AGCTACTGGAAGAGACAGGGC	3319
TJU_CMC.ID03321.3p-miR	5	-	177548036	177548057	TAGAGGCGACTCAGAGCTCCAC	3320
TJU_CMC.ID03322.5p-miR	5	+	177576130	177576149	TTCACAGTGGCATTTAAGGC	3321
TJU_CMC.ID03323.5p-miR	5	+	177715740	177715762	TCAGTTGCCACTGGGATGGGGTG	3322
TJU_CMC.ID03324.5p-miR	5	+	177919266	177919288	TCCCCAGTACCTCTGTTTAAAGA	3323
TJU_CMC.ID03325.3p-miR	5	+	178279592	178279611	TTCAGACGGTCTGACTACAT	3324
TJU_CMC.ID03326.5p-miR	5	-	178375645	178375664	AGTGCGGCATCTCCACGAAA	3325
TJU_CMC.ID03327.3p-miR	5	-	178418540	178418560	GGGGGGTCTGTATTGCCCAGT	3326
TJU_CMC.ID03328.5p-miR	5	+	178549725	178549745	CGGCAGAGCACTGGCCGCTCC	3327
TJU_CMC.ID03329.3p-miR	5	+	178575160	178575181	CAGCAGCACTGCAGCGCTGGCG	3328

Table 1. Novel miRNA sequences

TJU_CMC.ID03330.3p-miR	5	+	178695982	178696001	AGATGTGCTTGCAGTAAGGC	3329
TJU_CMC.ID03331.5p-miR	5	-	178757353	178757374	AGGACTGGGCATGGTATGGGGT	3330
TJU_CMC.ID03332.3p-miR	5	-	178803812	178803834	GTCCATCGCCACCCACACTTTTT	3331
TJU_CMC.ID03333.5p-miR	5	-	179000419	179000441	AGCAGCAAACATGTATACTTTAT	3332
TJU_CMC.ID03334.3p-miR	5	-	179029229	179029250	AAGGAATAGGAGTGTCCTGGTC	3333
TJU_CMC.ID03335.5p-miR	5	-	179428184	179428203	AGCCTACACCACTGCAGCAG	3334
TJU_CMC.ID03336.5p-miR	5	+	179546400	179546419	CGTCGATGAAGAACTCAATC	3335
TJU_CMC.ID03337.3p-miR	5	+	179586623	179586646	GGGCTGCGGACAAGCTCGCAGTGG	3336
TJU_CMC.ID03338.5p-miR	5	-	179763908	179763929	ATCACAATGCGAGGAGCCCTTG	3337
TJU_CMC.ID03339.3p-miR	5	-	179922020	179922039	GAGCCCAGCGCCGACCCTCT	3338
TJU_CMC.ID03340.5p-miR	5	-	180369890	180369912	TCTGTGGTTTTGAAATCACATAA	3339
TJU_CMC.ID03341.3p-miR	6	+	478091	478113	GATGGCCACGGGCCAACAGCAGA	3340
TJU_CMC.ID03342.3p-miR	6	+	670888	670907	AAATGTAGAAGTTGCAACTG	3341
TJU_CMC.ID03343.3p-miR	6	-	1064847	1064868	TAGCTGCCTGATCGTGCACCAG	3342
TJU_CMC.ID03344.5p-miR	6	-	1389409	1389431	CCCGCCCCTCCGCGCCCCCTTCC	3343
TJU_CMC.ID03345.3p-miR	6	-	1390139	1390158	CCGCGAGGGCGGGCCCCGGG	3344
TJU_CMC.ID03346.3p-miR	6	+	1632757	1632778	CAGAACAGATCAAACTGCAGTT	3345
TJU_CMC.ID03347.5p-miR	6	+	1960710	1960731	ATCACATTGGGTCTGATTTTCC	3346
TJU_CMC.ID03348.5p-miR	6	-	2143081	2143102	ACCCCAGAGAAAGCCAGTGTGA	3347
TJU_CMC.ID03349.3p-miR	6	+	2245527	2245546	GCCGGCGCGCCCCCGCCCCC	3348
TJU_CMC.ID03350.3p-miR	6	+	2349210	2349231	TTCAAGTAATCCATAGGCTTTT	3349
TJU_CMC.ID03351.3p-miR	6	+	3078149	3078170	ATGCACGTGCTGAAAGCCGAGG	3350
TJU_CMC.ID03352.5p-miR	6	-	3122650	3122671	CAGCTTATCAGACAGATGACTG	3351
TJU_CMC.ID03353.3p-miR	6	+	3163219	3163239	CGCGACCCGCTCCGTTTCACG	3352
TJU_CMC.ID03354.3p-miR	6	-	3203710	3203729	ACTTTACTTACATTCTTGAG	3353
TJU_CMC.ID03355.5p-miR	6	-	3253041	3253062	GCATGGCCACTTGGGCGCAATG	3354
TJU_CMC.ID03356.3p-miR	6	+	3329074	3329094	CCATCACACAGGCTCACACGA	3355
TJU_CMC.ID03357.3p-miR	6	+	3985202	3985224	AAGCTTTAACTACCATACAAACA	3356
TJU_CMC.ID03358.5p-miR	6	+	3997511	3997532	TAGTAGTAATCCAGGAATCAGA	3357
TJU_CMC.ID03359.5p-miR	6	+	4816455	4816474	AGCATCAAGCACGCAAATCT	3358
TJU_CMC.ID03360.3p-miR	6	+	5208523	5208542	ATATCATCTGAGCTGAGAAC	3359

Table 1. Novel miRNA sequences

TJU_CMC.ID03361.5p-miR	6	+	5948625	5948645	TTCACATTGCCGGGGACCCTT	3360
TJU_CMC.ID03362.3p-miR	6	-	5976062	5976081	CTGATAACGCCAAGGTGGCA	3361
TJU_CMC.ID03363.3p-miR	6	-	6152182	6152204	TGACCTGCATTCTCTCTCTTAGG	3362
TJU_CMC.ID03364.5p-miR	6	+	6502480	6502501	GGCAGCATTAGACTCATAGCAA	3363
TJU_CMC.ID03365.5p-miR	6	+	7120227	7120248	GTGGATGATGATGCCTCTGACA	3364
TJU_CMC.ID03366.5p-miR	6	-	7279295	7279314	CCCCTTGCCTCTCGGGCTTT	3365
TJU_CMC.ID03367.5p-miR	6	+	7894533	7894554	GTCTTGCTTAGGCTGATCTCGA	3366
TJU_CMC.ID03368.5p-miR	6	-	7970857	7970879	GCTTCTGGGGAAACTTCAGGAAG	3367
TJU_CMC.ID03369.3p-miR	6	-	8086641	8086664	CCTCTGAAAAAGCCTCCTACATAG	3368
TJU_CMC.ID03370.3p-miR	6	-	8145657	8145678	GCCCAGGTGGTGAAATGCTTCA	3369
TJU_CMC.ID03371.5p-miR	6	+	8727212	8727233	TGTATTGTGAGACATTCTCTTC	3370
TJU_CMC.ID03372.3p-miR	6	-	8974568	8974589	AATATATTTGCAAATTATTTCT	3371
TJU_CMC.ID03373.3p-miR	6	+	9316377	9316399	TGCTGACTTTTCTTTATTTTTGA	3372
TJU_CMC.ID03374.5p-miR	6	+	9346462	9346483	TAGCAGCTGTAGTATTGAATGT	3373
TJU_CMC.ID03375.5p-miR	6	+	9786499	9786519	AAAAATGGAGCTTAGGTTTGG	3374
TJU_CMC.ID03376.5p-miR	6	+	9945149	9945170	ACAGGCATCCGAATTTGAAACT	3375
TJU_CMC.ID03377.3p-miR	6	+	10083715	10083736	ATCCAGTCCCTTTGAAAGCGTT	3376
TJU_CMC.ID03378.3p-miR	6	+	10561069	10561090	GGCCAGAAAGAGGTCCTTAGGG	3377
TJU_CMC.ID03380.5p-miR	6	+	10780611	10780632	GTAGTGTTTCCTACTACTCACT	3378
TJU_CMC.ID03381.5p-miR	6	+	10887835	10887854	GAGCCCACCCAGGGACGCCA	3379
TJU_CMC.ID03382.3p-miR	6	+	11218055	11218074	AGCCCTATCTGAGGGAACCC	3380
TJU_CMC.ID03383.3p-miR	6	+	11537283	11537304	GTCTGTTTGTGTTTTAGGGGTT	3381
TJU_CMC.ID03384.3p-miR	6	+	11586892	11586913	TAAACTTGCTCAGCTAGCAAAT	3382
TJU_CMC.ID03385.3p-miR	6	-	12407968	12407988	GGCAAGTACTGTGATAACAGA	3383
TJU_CMC.ID03386.5p-miR	6	-	12471474	12471493	TGAACTGGGGAAACATCCAG	3384
TJU_CMC.ID03387.3p-miR	6	-	13828556	13828576	CTGAATTGCCAACTTCCAATG	3385
TJU_CMC.ID03388.5p-miR	6	-	14211307	14211330	CGCCCGCCGCGCGCGGGAGGTAAG	3386
TJU_CMC.ID03389.3p-miR	6	+	14410284	14410305	AGGGCATATCGAGTCAGAATCT	3387
TJU_CMC.ID03390.3p-miR	6	+	14650000	14650019	AGGCCAGCACTTCACTTCAA	3388
TJU_CMC.ID03391.3p-miR	6	+	14750722	14750741	ACACAGCACTCTGCAAATAC	3389
TJU_CMC.ID03392.5p-miR	6	-	15060821	15060840	CTCTATCAAAGCCTCCAGAA	3390

Table 1. Novel miRNA sequences

TJU_CMC.ID03393.5p-miR	6	-	15303873	15303894	ATCACATTGTTGAAATAATAAC	3391
TJU_CMC.ID03394.3p-miR	6	+	16980029	16980049	AAGTCTGCCCTTGACTTTCTC	3392
TJU_CMC.ID03395.3p-miR	6	+	17327186	17327206	TCCCAGGTTTCGGCACCAAGA	3393
TJU_CMC.ID03396.5p-miR	6	+	17554911	17554933	CAGCTTATCAGACACATGAGGTT	3394
TJU_CMC.ID03397.3p-miR	6	+	18100673	18100692	AGGGCCCAAATAATGTTACA	3395
TJU_CMC.ID03398.5p-miR	6	+	18158438	18158459	TAGTGCATTTCAGAATATGTAG	3396
TJU_CMC.ID03399.5p-miR	6	+	18447782	18447803	TGACATGGCAGCAGGGAGATTT	3397
TJU_CMC.ID03400.3p-miR	6	-	18477640	18477661	TCTGAGTAAAGACTGATAGCAA	3398
TJU_CMC.ID03401.3p-miR	6	-	18562521	18562542	AAGCTTATCACTGACTCCAAAG	3399
TJU_CMC.ID03402.5p-miR	6	-	19115776	19115795	CCCCGGTGCTCTTGTTAAGC	3400
TJU_CMC.ID03403.3p-miR	6	-	19194197	19194218	CCTTGTAAGCAGTAGGTCGTGA	3401
TJU_CMC.ID03404.5p-miR	6	+	19382924	19382943	TGGTTCATTCAAATTTCTGT	3402
TJU_CMC.ID03405.5p-miR	6	+	19598834	19598854	TCTTTAGTTTCCACAACTGTC	3403
TJU_CMC.ID03406.3p-miR	6	-	19716332	19716351	CCCCCCACTGCTATTAGGGC	3404
TJU_CMC.ID03407.3p-miR	6	+	20035303	20035322	TCCGAGTCTTCAGCAGGAAC	3405
TJU_CMC.ID03408.3p-miR	6	+	20160225	20160244	AGAGCACAGCTATTTTGATC	3406
TJU_CMC.ID03409.3p-miR	6	+	20438836	20438855	AGAGATGAAGCACTGAGGAC	3407
TJU_CMC.ID03410.3p-miR	6	-	21072638	21072660	GCTAGTATCAGACCAATGTTCTT	3408
TJU_CMC.ID03411.3p-miR	6	+	21216490	21216509	CTTATCAGACTGATTTTATC	3409
TJU_CMC.ID03412.5p-miR	6	+	21441886	21441905	TGGGAGTACATTTGCACCTA	3410
TJU_CMC.ID03413.3p-miR	6	+	21491435	21491454	CTTCTCCTCGTGTTTTGGTT	3411
TJU_CMC.ID03414.5p-miR	6	+	21495060	21495079	CTTTCCAATTACACAGCTTA	3412
TJU_CMC.ID03415.5p-miR	6	+	21530309	21530331	TTGTTCATTTTCAGAGCGAAAGG	3413
TJU_CMC.ID03416.5p-miR	6	-	21718044	21718063	TGAGATGAAGTGTCAGTCTG	3414
TJU_CMC.ID03417.3p-miR	6	-	22764961	22764982	GAAATGGTAGTCTGACTCAGTT	3415
TJU_CMC.ID03418.5p-miR	6	-	23518445	23518465	GGCTACATCTGAGATGACCCA	3416
TJU_CMC.ID03419.5p-miR	6	+	24136896	24136918	TGTAAACCCATCAAATAAAACAT	3417
TJU_CMC.ID03420.3p-miR	6	+	24663326	24663347	TGTCATGGGTGATGTATGGGGA	3418
TJU_CMC.ID03421.3p-miR	6	-	24911402	24911422	CTCCACCCGCCCTCCCCTCCC	3419
TJU_CMC.ID03422.3p-miR	6	+	25407616	25407639	CACACGAAGGGACGGGCATTTATC	3420
TJU_CMC.ID03423.3p-miR	6	-	25959557	25959577	GCTTCTGGGGAAACTTTGCTG	3421

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TJU_CMC.ID03424.3p-miR	6	+	26453686	26453705	ACAGTAGTCTGCACACCCAC	3422
TJU_CMC.ID03425.3p-miR	6	-	26567877	26567896	GATATGTTGCCACCGCACTC	3423
TJU_CMC.ID03426.5p-miR	6	+	26660426	26660447	ACAGCAGCGAGAGAAAGTACTG	3424
TJU_CMC.ID03427.5p-miR	6	+	27382708	27382729	CCTCATGATAGTATGTGACCCT	3425
TJU_CMC.ID03428.3p-miR	6	-	27600725	27600746	TATAGTTCTGAGCTGACATTGA	3426
TJU_CMC.ID03429.3p-miR	6	-	28184404	28184423	AGAGGGATCTGCATTTTTGT	3427
TJU_CMC.ID03430.3p-miR	6	-	28615964	28615983	TAGGGTGTGCGTGTTTTTTT	3428
TJU_CMC.ID03431.3p-miR	6	-	28641593	28641612	AGGCGATCACGTAGATTTTG	3429
TJU_CMC.ID03432.5p-miR	6	-	29198627	29198647	GCATAATGCTTGCATAAGAAT	3430
TJU_CMC.ID03433.5p-miR	6	-	29522196	29522218	TAAAGGCGAGCATCACGTCCATC	3431
TJU_CMC.ID03434.5p-miR	6	+	30153071	30153090	CCCCATGAGATGATATGCGC	3432
TJU_CMC.ID03435.3p-miR	6	+	30529930	30529949	TCCCAGAGTGACCTAATTTT	3433
TJU_CMC.ID03436.5p-miR	6	-	30694712	30694734	TGAGGTAGTAGATGGTACAGATT	3434
TJU_CMC.ID03437.5p-miR	6	+	30712206	30712226	GCCCCGCCGGGGTCCCGGGAT	3435
TJU_CMC.ID03438.3p-miR	6	-	31671017	31671040	TGCGTCCTAGGCCCCCGGCTCTAC	3436
TJU_CMC.ID03439.3p-miR	6	+	31908240	31908261	CCTCAGGTTCAGACTAAACACA	3437
TJU_CMC.ID03440.5p-miR	6	-	32036647	32036667	ACCTGGTGACCCTGTATGGTT	3438
TJU_CMC.ID03441.3p-miR	6	-	32084017	32084037	GGGCAGAGGCGGGGGGGCCGGG	3439
TJU_CMC.ID03442.3p-miR	6	-	32728949	32728968	CTGCTCCACAACTGCGCGCA	3440
TJU_CMC.ID03443.5p-miR	6	+	32764809	32764830	CTTTCAGAGTCTCGCAGGTTGA	3441
TJU_CMC.ID03444.5p-miR	6	-	33547332	33547353	GCTAGGCCTGAGTCAGCATAGG	3442
TJU_CMC.ID03445.5p-miR	6	-	33573060	33573079	GGAAGATAGGAAGTTGAGGG	3443
TJU_CMC.ID03446.5p-miR	6	+	33834370	33834389	CAGCAGCAATTCAGTGGCTC	3444
TJU_CMC.ID03447.3p-miR	6	-	33872812	33872833	ACTACAATATCAGGGCTAAGGC	3445
TJU_CMC.ID03448.5p-miR	6	-	34201399	34201420	GTTTCACCTGTTCGTGCACACG	3446
TJU_CMC.ID03449.3p-miR	6	-	34352370	34352389	TTTGGCCCTGCTAAAGTACT	3447
TJU_CMC.ID03450.3p-miR	6	-	35458240	35458260	ACTTGCCCCTGTGTTGGTGCC	3448
TJU_CMC.ID03451.3p-miR	6	-	35465814	35465834	CCCCTCCTCCCCGCGCCCCAG	3449
TJU_CMC.ID03452.3p-miR	6	-	35928698	35928720	CTGACCTAAAGGCAAGTGCATTT	3450
TJU_CMC.ID03453.5p-miR	6	+	36172822	36172843	CATGCGTAGCTTTCCATATATG	3451
TJU_CMC.ID03454.5p-miR	6	+	36201198	36201217	ACACCTCTTATGTCACTGCT	3452

Table 1. Novel miRNA sequences

TJU_CMC.ID03455.5p-miR	6	-	36383919	36383938	TCTTGGTCTATATTGCCCAG	3453
TJU_CMC.ID03456.3p-miR	6	+	36833635	36833657	AATAGCACAGGATACCCAGCAGA	3454
TJU_CMC.ID03457.5p-miR	6	-	36853369	36853389	GTGGAAGGGAAATGTAAATGA	3455
TJU_CMC.ID03458.3p-miR	6	-	37014020	37014040	CTATGATGTAAGTACAAACAG	3456
TJU_CMC.ID03459.3p-miR	6	+	37503222	37503242	ATGCAATGTGACGGGCCTGCA	3457
TJU_CMC.ID03460.5p-miR	6	+	37707749	37707772	GGGGCCATAGCTCAGCTGTGAGGA	3458
TJU_CMC.ID03461.3p-miR	6	+	37883434	37883457	GTGCTGACCCCTGCAATTTTCCAC	3459
TJU_CMC.ID03462.5p-miR	6	+	38528399	38528418	ATTTATATAGGCAAATCCGT	3460
TJU_CMC.ID03463.3p-miR	6	+	39152641	39152661	AACAGCTCTAAAATGAACATG	3461
TJU_CMC.ID03464.5p-miR	6	+	41339103	41339122	CCCAGCCCTGCTCCCTGCAT	3462
TJU_CMC.ID03465.5p-miR	6	+	41659371	41659391	CCCAGTGTTCAGACTGCCTCC	3463
TJU_CMC.ID03466.3p-miR	6	-	41701291	41701312	GCCCGGAGAGCTGGGAGCCAGA	3464
TJU_CMC.ID03467.3p-miR	6	+	42090058	42090058	CCCTCAGAGGGCGCACCACG	3465
TJU_CMC.ID03468.3p-miR	6	+	42121366	42121388	AGGACTTGTCTCAGGTCACCCAG	3466
TJU_CMC.ID03469.3p-miR	6	-	42121361	42121382	GACCTGAGACAAGTCCTGTCCC	3467
TJU_CMC.ID03470.5p-miR	6	+	42161312	42161331	GGCGGAGCGCTGAGAAGTCC	3468
TJU_CMC.ID03471.3p-miR	6	-	42393589	42393609	CATGCAGAGAAGATAAAAAGC	3469
TJU_CMC.ID03472.3p-miR	6	-	43340281	43340300	AAGCAAGATGCTGGCTAACT	3470
TJU_CMC.ID03473.3p-miR	6	-	43642496	43642517	GGGCAACATCCATGTAGACTAG	3471
TJU_CMC.ID03474.5p-miR	6	-	43714490	43714510	CCTCATAATCCCCGCAGCTCT	3472
TJU_CMC.ID03475.3p-miR	6	+	43745277	43745296	GAGTACCCTGATGAGATCGA	3473
TJU_CMC.ID03476.3p-miR	6	-	43791880	43791902	ACAGCAGGCACACACAGGCATGG	3474
TJU_CMC.ID03477.3p-miR	6	+	43813264	43813284	TCCTCCCGGGGCTCAGCCTGT	3475
TJU_CMC.ID03478.3p-miR	6	-	43910528	43910551	CGGAAGCTCTTTCTCTGCCTTCAC	3476
TJU_CMC.ID03479.5p-miR	6	+	43991723	43991745	TCTCATTCCACTGGTATGGGGTG	3477
TJU_CMC.ID03480.3p-miR	6	+	44073623	44073643	GAGCCCAAGCTAAAGCTTTGG	3478
TJU_CMC.ID03481.5p-miR	6	-	44197368	44197387	TTGCTCAGTTCAGCAGTGAC	3479
TJU_CMC.ID03482.3p-miR	6	-	44226509	44226531	CCTGAAACACCGTTGTTTAAAGA	3480
TJU_CMC.ID03483.5p-miR	6	-	44226997	44227020	CCCTTGTCCTTTTGCCCTTTGATG	3481
TJU_CMC.ID03484.3p-miR	6	-	44277158	44277177	ACCCTAATGCTCTGTGGCTT	3482
TJU_CMC.ID03485.5p-miR	6	-	44531516	44531536	CCACTCCCGTGTGTCCTTGTA	3483

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TJU_CMC.ID03486.5p-miR	6	-	44717810	44717832	AATTCTGTAGCTGTCTTTAGGTC	3484
TJU_CMC.ID03487.5p-miR	6	+	45030139	45030160	AAATGGAGCATCAAAGCGGATC	3485
TJU_CMC.ID03488.5p-miR	6	-	45318277	45318297	AGCAGTGTTACTCAGCAAGTT	3486
TJU_CMC.ID03489.3p-miR	6	+	45486934	45486955	CATTATTACTTTTATGTATATG	3487
TJU_CMC.ID03490.3p-miR	6	-	45626819	45626838	GCAGCAGTTGAGTGCAAACT	3488
TJU_CMC.ID03491.3p-miR	6	+	45633999	45634018	AGGCAACTCTGGTGGAGTGA	3489
TJU_CMC.ID03492.5p-miR	6	+	45867361	45867381	ATGACCTATCTTATGACAGTT	3490
TJU_CMC.ID03493.5p-miR	6	-	45922244	45922263	TCACCCCATAAGTGTTCATC	3491
TJU_CMC.ID03494.5p-miR	6	+	46056046	46056068	TATAATTTCACTGGTATGGGGAC	3492
TJU_CMC.ID03495.5p-miR	6	-	46476401	46476420	GACTTTTAACACAGGAACCA	3493
TJU_CMC.ID03496.3p-miR	6	+	46899226	46899247	TAGCACCATTTGACATAGTTGG	3494
TJU_CMC.ID03497.5p-miR	6	+	47196674	47196696	TGCTACCCTTTGCATGAAACTGA	3495
TJU_CMC.ID03498.5p-miR	6	-	48285774	48285793	CGACTCTTCTATTTCCTAGT	3496
TJU_CMC.ID03499.3p-miR	6	-	48529165	48529184	ATTAGTGGGGTATGGTGTTG	3497
TJU_CMC.ID03500.3p-miR	6	+	48724378	48724399	GTCTCTTCATCAAACAGTGACC	3498
TJU_CMC.ID03501.3p-miR	6	+	49272721	49272742	TGACAGTTTAGACTTATTTTTC	3499
TJU_CMC.ID03502.5p-miR	6	-	49943025	49943045	CAGCAAAACTAGTACCTGAAT	3500
TJU_CMC.ID03503.5p-miR	6	-	50062273	50062294	AGACATGCCGAACTAATAGCAA	3501
TJU_CMC.ID03504.3p-miR	6	+	50419692	50419713	CTCTTGTGTTTCTGTACTGACA	3502
TJU_CMC.ID03505.5p-miR	6	-	50756869	50756890	TGTAGTGGGTCTGCATAGGTGA	3503
TJU_CMC.ID03506.5p-miR	6	+	50994985	50995006	AGACTAAACATGGTATGTTTGG	3504
TJU_CMC.ID03507.3p-miR	6	-	51911673	51911692	AAGCTTCTGCATATGGTTGG	3505
TJU_CMC.ID03508.5p-miR	6	-	51972945	51972965	CACGAGGCCCTGGGCTGGGAA	3506
TJU_CMC.ID03509.3p-miR	6	-	52565426	52565445	TGAATGCCAGCAGGCTGGAC	3507
TJU_CMC.ID03510.5p-miR	6	+	52724825	52724845	TGTGGAATGGCCCCTATCTGG	3508
TJU_CMC.ID03511.5p-miR	6	-	52885067	52885089	TTGCAATTCACTGGGCGTTTGAG	3509
TJU_CMC.ID03512.3p-miR	6	+	53004462	53004481	AAGAACATCCTGATCTTGAA	3510
TJU_CMC.ID03513.3p-miR	6	-	53369929	53369948	TCCCAGGTTGATTACAATGT	3511
TJU_CMC.ID03514.5p-miR	6	+	53549007	53549027	CAGATAATGCTTTGTGCATAT	3512
TJU_CMC.ID03515.3p-miR	6	+	53591862	53591881	CCTATCTGAGGGGGACCCTT	3513
TJU_CMC.ID03516.3p-miR	6	+	53686308	53686330	TGGCTCAGGGACTCAGGAGTGCC	3514

Table 1. Novel miRNA sequences

TJU_CMC.ID03517.3p-miR	6	-	53991669	53991690	TAGCTTATCAATGACTAACCAA	3515
TJU_CMC.ID03518.3p-miR	6	-	54281952	54281972	ACAGCAGGCACATCACTGGAT	3516
TJU_CMC.ID03519.3p-miR	6	+	55034290	55034310	AGTGACACATGTTATGTAAGT	3517
TJU_CMC.ID03520.3p-miR	6	-	55253608	55253629	AATGACGGTAACTGCTAAGCCA	3518
TJU_CMC.ID03521.5p-miR	6	-	55631285	55631304	CACTGGATAAGGCCAGCAGG	3519
TJU_CMC.ID03522.3p-miR	6	+	55904159	55904179	ATATGCCAAGACTGGCTAATT	3520
TJU_CMC.ID03523.5p-miR	6	+	56103672	56103693	TTGAACTAATCTGAATACTTTG	3521
TJU_CMC.ID03524.5p-miR	6	+	57349949	57349970	GAGATTCCATGAACATGTGACA	3522
TJU_CMC.ID03525.5p-miR	6	+	57670136	57670158	AGTGCACCCTCGCATGCACAGTT	3523
TJU_CMC.ID03526.5p-miR	6	-	58587464	58587484	TGATATTACTCCCAATTGCGC	3524
TJU_CMC.ID03527.5p-miR	6	+	62207518	62207538	CCAGTGCGGGCCATATCATTT	3525
TJU_CMC.ID03528.5p-miR	6	+	62955553	62955575	TAGGAATATGAGTGTCATACAAT	3526
TJU_CMC.ID03529.3p-miR	6	-	63181730	63181749	GAACTTCACTCAGTTTATTG	3527
TJU_CMC.ID03530.5p-miR	6	-	65321968	65321987	CAGAAGACACCAGTATAGCA	3528
TJU_CMC.ID03531.3p-miR	6	+	65540859	65540880	TGAAGGCGACTCAGTATGGGTC	3529
TJU_CMC.ID03532.5p-miR	6	+	65681158	65681181	CCTGAACAAATGCAGATGAAAGTG	3530
TJU_CMC.ID03533.3p-miR	6	+	65790500	65790520	TCTGCATCAGAGGCAATTTTG	3531
TJU_CMC.ID03534.3p-miR	6	-	65791822	65791843	TAGCTTAGCATCAGTCATGGTA	3532
TJU_CMC.ID03535.3p-miR	6	+	66053775	66053795	TGTTGAGAATTTGTTTACGAA	3533
TJU_CMC.ID03536.3p-miR	6	-	66771356	66771375	TGCGGCTGTACACAAAAGGA	3534
TJU_CMC.ID03537.5p-miR	6	+	67117288	67117309	TGTCAGTTTGAGGGGCAAAAGT	3535
TJU_CMC.ID03538.3p-miR	6	-	67394256	67394278	ATCCCACTTCTGACACCATCCGT	3536
TJU_CMC.ID03539.3p-miR	6	+	67458043	67458063	AGCTCGTGCATGTACCAGTGA	3537
TJU_CMC.ID03540.3p-miR	6	+	67463739	67463758	ATAGTAATTTTCTTGCTGTG	3538
TJU_CMC.ID03541.3p-miR	6	-	67646471	67646491	AAGCACCAGTTGATTAGCCAA	3539
TJU_CMC.ID03542.5p-miR	6	+	68268183	68268202	GGATCCGCTGAGTCAGACCA	3540
TJU_CMC.ID03543.5p-miR	6	-	68714326	68714349	TTACATAAGTAAGTTTATTACATA	3541
TJU_CMC.ID03544.3p-miR	6	-	69343112	69343131	AGTGGCATAAGAATAACAGC	3542
TJU_CMC.ID03545.5p-miR	6	+	70908493	70908515	TGGGTCAGGGACTTGAAGTGTTG	3543
TJU_CMC.ID03546.5p-miR	6	+	70922098	70922118	CCTACATGTTCATTATGCATA	3544
TJU_CMC.ID03547.3p-miR	6	+	71109311	71109332	CACTGGTTCACTGGTATGTTTT	3545

Table 1. Novel miRNA sequences

TJU_CMC.ID03548.3p-miR	6	+	71248286	71248307	TTAGTCTTTTTCACATGACTGT	3546
TJU_CMC.ID03549.5p-miR	6	-	72053772	72053793	ACCATGGCACTCATGCCCACGC	3547
TJU_CMC.ID03550.3p-miR	6	-	73048455	73048474	GGGCAAATTACCCAATCCCT	3548
TJU_CMC.ID03551.5p-miR	6	+	73187398	73187418	GGAGATGAAGTAAGTGCTAGA	3549
TJU_CMC.ID03552.5p-miR	6	-	73860339	73860360	TGTTTAACCTTTTGCCTATTGG	3550
TJU_CMC.ID03553.3p-miR	6	+	74221755	74221774	AGCAGGATTGCGTGAGGCTA	3551
TJU_CMC.ID03554.5p-miR	6	+	74516453	74516475	CCCCTTTGATGAATCTTCTGATG	3552
TJU_CMC.ID03555.3p-miR	6	+	74541002	74541021	CTCTCCCTTCACTTGCTCCA	3553
TJU_CMC.ID03556.5p-miR	6	-	74921547	74921567	AGCAGGTAACATGTCTCACTC	3554
TJU_CMC.ID03557.5p-miR	6	+	75275884	75275905	TAGCTTATCACTGACTATGTTA	3555
TJU_CMC.ID03558.5p-miR	6	+	75702791	75702812	TCGATTTACATCATTATGGTTT	3556
TJU_CMC.ID03559.5p-miR	6	+	76356225	76356247	GCACATGATGCTATTTTCTGACT	3557
TJU_CMC.ID03560.3p-miR	6	+	77564790	77564809	TGCCTCTTAATGCACTAATT	3558
TJU_CMC.ID03561.5p-miR	6	-	77604628	77604651	CAGGAGTAAAGGTCACGCTTGCTA	3559
TJU_CMC.ID03562.5p-miR	6	-	77694486	77694508	ATATCAATCAGTGTGATGAATCA	3560
TJU_CMC.ID03563.5p-miR	6	-	78168500	78168519	CTGACCTATCTTAAGACCAG	3561
TJU_CMC.ID03564.3p-miR	6	+	79060577	79060598	TATAATCACTTCGCAACAGCAG	3562
TJU_CMC.ID03565.5p-miR	6	+	79787667	79787686	GAGCGGTCGGGCGGCGGGGG	3563
TJU_CMC.ID03566.5p-miR	6	+	80140335	80140354	AATGTTATACCCAGGAAAAT	3564
TJU_CMC.ID03567.3p-miR	6	-	80341269	80341290	GCCGCGCGCCTCCCGCAGGACC	3565
TJU_CMC.ID03568.3p-miR	6	-	80581244	80581264	TGCTGTGTCCACCAACCCATC	3566
TJU_CMC.ID03569.5p-miR	6	-	81050139	81050161	TGGCTCAGTTCACGTGGAACAAT	3567
TJU_CMC.ID03570.5p-miR	6	+	81124394	81124415	AAGTCAGGTAACTTGATTTCCA	3568
TJU_CMC.ID03571.3p-miR	6	-	81437259	81437280	TATATGGTTGAGTAATAACATA	3569
TJU_CMC.ID03572.5p-miR	6	-	83361880	83361901	TGAGTCATTTCTGTTATAAATC	3570
TJU_CMC.ID03573.3p-miR	6	-	83587392	83587413	ATCACATCATTAGGCTATTGGT	3571
TJU_CMC.ID03574.5p-miR	6	+	83618653	83618674	GTCCAGGTTTCCCAGGAAGCCT	3572
TJU_CMC.ID03575.5p-miR	6	+	83756958	83756979	CACAATATTGCTAGGCAACACT	3573
TJU_CMC.ID03576.3p-miR	6	+	83764795	83764816	GTCCAGTTTTCCCAGATCAAAA	3574
TJU_CMC.ID03577.5p-miR	6	+	83932415	83932437	AGGAACATGCAGCTCATGATATC	3575
TJU_CMC.ID03578.5p-miR	6	-	84021681	84021700	TTGGGGCAGCTACACTCAAC	3576

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TJU_CMC.ID03579.3p-miR	6	+	84998741	84998762	GAGACTGGGCAACTTATGAAAG	3577
TJU_CMC.ID03580.5p-miR	6	-	85668679	85668701	GACCGTATGTCTCACTTCCAGGT	3578
TJU_CMC.ID03581.3p-miR	6	+	86578645	86578667	CCCAACCAGCGGCCGAGATGTAG	3579
TJU_CMC.ID03582.3p-miR	6	+	87156797	87156816	TGGAGTTTTAATGGGTACAG	3580
TJU_CMC.ID03583.3p-miR	6	-	87277994	87278015	TACCACAGGGTAGACAGCGCCT	3581
TJU_CMC.ID03584.5p-miR	6	+	87788733	87788755	CACAAGTATTACAGCTGCCACCC	3582
TJU_CMC.ID03585.5p-miR	6	+	88662868	88662887	ATGTTATAAACTAGGGTTGC	3583
TJU_CMC.ID03586.5p-miR	6	+	88682717	88682740	ATTGTGCTGCCTGGGATTACCATC	3584
TJU_CMC.ID03587.3p-miR	6	-	88825184	88825205	AGGCTGACTGCTCGCAGGTGGC	3585
TJU_CMC.ID03588.5p-miR	6	+	89135707	89135729	ATTTGCGATCTATATCTGCCTTT	3586
TJU_CMC.ID03589.3p-miR	6	-	89240041	89240060	CAGACCTATGAATTTACAGC	3587
TJU_CMC.ID03590.5p-miR	6	-	89402617	89402637	TTTTTATTTAGAATTATTTGC	3588
TJU_CMC.ID03591.5p-miR	6	+	89731724	89731724	TCCACCTATAGGCCAGTGGTT	3589
TJU_CMC.ID03592.5p-miR	6	-	89803199	89803220	TAGCTTATAAGACTGATCACCT	3590
TJU_CMC.ID03593.3p-miR	6	-	90524505	90524525	CCCAGGGCCCTGGCGGAGATC	3591
TJU_CMC.ID03594.5p-miR	6	-	90539583	90539603	TCCCTGGCATCTCCACCAATA	3592
TJU_CMC.ID03595.3p-miR	6	-	90714947	90714967	TAGGAGCCTGAAACTTCCGAA	3593
TJU_CMC.ID03596.3p-miR	6	-	90755696	90755715	TGGAGCAGGGGAGCAGATAT	3594
TJU_CMC.ID03597.3p-miR	6	-	91064327	91064348	AGTGAGTTTGAGTTGCGTTTTC	3595
TJU_CMC.ID03598.5p-miR	6	+	91152086	91152105	TAGCTTATCAGTGACTGACT	3596
TJU_CMC.ID03599.5p-miR	6	+	91993609	91993629	GCTAAAACTCTGAAATCGGTT	3597
TJU_CMC.ID03600.5p-miR	6	-	92067951	92067971	ACTTCTGGGGAAACTTCCTGA	3598
TJU_CMC.ID03601.5p-miR	6	-	92107013	92107034	AAGTGTGCATCAGAAGCCTCAT	3599
TJU_CMC.ID03602.5p-miR	6	-	92258625	92258647	GGGAATGGGTAAGAAGCAATTAG	3600
TJU_CMC.ID03603.3p-miR	6	+	92579637	92579658	AGCAGAGTAGAGCAGTTGGAAG	3601
TJU_CMC.ID03604.5p-miR	6	-	92604813	92604833	ATCACATTGGGTCCCGGACTT	3602
TJU_CMC.ID03605.5p-miR	6	-	93341378	93341400	GCTTGATTTTAAACTTCTAGGCT	3603
TJU_CMC.ID03606.5p-miR	6	-	93524136	93524155	AGGCGAGAGACTTTCTTGAC	3604
TJU_CMC.ID03607.3p-miR	6	+	94143351	94143372	TGAGGTTCATCCAAGTTGTTGA	3605
TJU_CMC.ID03608.3p-miR	6	+	94431246	94431265	CTTGGCTAGTAGAAAGCACT	3606
TJU_CMC.ID03609.3p-miR	6	-	94464520	94464541	TGAGACTCTAAAGGAGAATCAA	3607

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TJU_CMC.ID03610.3p-miR	6	+	94672573	94672592	ATGCAATGTCTGCATAAGGA	3608
TJU_CMC.ID03611.5p-miR	6	-	94736839	94736859	CTGGACTTGGAGTCTCTTCCA	3609
TJU_CMC.ID03612.3p-miR	6	-	94820267	94820289	ATATCAATAATGCATTCGACCCA	3610
TJU_CMC.ID03613.3p-miR	6	-	95057654	95057673	CTTCTGATTAGAATTCAGCC	3611
TJU_CMC.ID03614.3p-miR	6	+	95188202	95188221	GGGGGGAGGTGGGGGGTGGT	3612
TJU_CMC.ID03615.3p-miR	6	+	96449581	96449602	TCTCCTGCATCCAGGACGAATG	3613
TJU_CMC.ID03616.3p-miR	6	-	96755751	96755774	ATCACATTGCCTCCCTAAAAGTTA	3614
TJU_CMC.ID03617.5p-miR	6	-	96868810	96868831	CAGTACCCCTCATTATGGGGTT	3615
TJU_CMC.ID03618.5p-miR	6	-	97091800	97091821	CCATGTGACTAAGATACGAACT	3616
TJU_CMC.ID03619.5p-miR	6	-	97123126	97123147	GTTAGTCTCAAAGCTGAAACAA	3617
TJU_CMC.ID03620.3p-miR	6	+	97175219	97175239	TAGCAGCATAGCTATGATGTT	3618
TJU_CMC.ID03621.5p-miR	6	+	97596342	97596361	GTGAAGTAAGATGTAGAGGT	3619
TJU_CMC.ID03622.3p-miR	6	-	97983671	97983692	TCTAGTGCACTCAAATAACATA	3620
TJU_CMC.ID03623.5p-miR	6	+	98758577	98758597	TTCACAGTGGGATTCAAAGCC	3621
TJU_CMC.ID03624.3p-miR	6	+	99568834	99568854	CCACATCTCAGGGCCCTGTAC	3622
TJU_CMC.ID03625.3p-miR	6	-	99839400	99839421	TATCGATGTATCATGGTTTACA	3623
TJU_CMC.ID03626.3p-miR	6	+	99973125	99973144	TTCACAGTGGCTAAGAGCCA	3624
TJU_CMC.ID03627.3p-miR	6	+	100111489	100111509	TACTGGATTGAATTGATGCCA	3625
TJU_CMC.ID03628.3p-miR	6	+	100903065	100903086	TCAAATCCGGTCTTTCTGGTTG	3626
TJU_CMC.ID03629.5p-miR	6	-	101046066	101046085	CTCCCGCCTACCACCAAAGG	3627
TJU_CMC.ID03630.3p-miR	6	+	101132394	101132414	TAGCTGGTAAGTATTAGCACC	3628
TJU_CMC.ID03631.3p-miR	6	-	101237129	101237150	AAGCTTATACTCTGAGCTTCAG	3629
TJU_CMC.ID03632.5p-miR	6	-	101648316	101648335	CTGACCTATGAATTAGAAAC	3630
TJU_CMC.ID03633.5p-miR	6	-	101726204	101726226	ATAAAATAACTACACTACTTGAC	3631
TJU_CMC.ID03634.3p-miR	6	-	102056006	102056029	GTGGCCTTAGGCAAATCACTTCAT	3632
TJU_CMC.ID03635.5p-miR	6	+	105388584	105388603	CCCTCCTCCCCGCGCCCCGC	3633
TJU_CMC.ID03636.3p-miR	6	-	105843506	105843526	GCTTCCAATTAGTGGATGAAA	3634
TJU_CMC.ID03637.5p-miR	6	+	106019206	106019226	TGCATTCCCCTAGTGGACTAT	3635
TJU_CMC.ID03638.3p-miR	6	-	106183666	106183686	AACATCTCTCTTTAGAACATG	3636
TJU_CMC.ID03639.3p-miR	6	-	106266275	106266296	TTCAACCCATCAAAATGGGGTT	3637
TJU_CMC.ID03640.3p-miR	6	-	106365328	106365349	TAGAAGTGTCCTTGTATTGACA	3638

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TJU_CMC.ID03641.5p-miR	6	+	106401282	106401302	TCAGTGCACTACAGAGTGGTG	3639
TJU_CMC.ID03642.5p-miR	6	+	106416564	106416586	ATCGTAGGCACTCAATATTTGAT	3640
TJU_CMC.ID03643.3p-miR	6	+	106601228	106601249	TCATTAGACTGAATTCTTGCTT	3641
TJU_CMC.ID03644.3p-miR	6	-	106952227	106952248	TAACACTGTCTGGTAGTAAGCA	3642
TJU_CMC.ID03645.3p-miR	6	-	106975291	106975312	TGGCTTATCAGACTCTGCTTCT	3643
TJU_CMC.ID03646.3p-miR	6	+	106981189	106981211	GCTGAAGCTGAGTGAAGTAGGAG	3644
TJU_CMC.ID03647.3p-miR	6	-	107174670	107174691	AACTGGATACTTAACTGTGTGG	3645
TJU_CMC.ID03648.3p-miR	6	-	107214993	107215013	TAGTTGGCCTATCCACTATGT	3646
TJU_CMC.ID03649.3p-miR	6	-	107349770	107349793	CTCTCGCTCCCTCCCCACCCCCGC	3647
TJU_CMC.ID03650.3p-miR	6	+	107437256	107437278	CGCTCACAGACACACACCCCACA	3648
TJU_CMC.ID03651.3p-miR	6	+	107864519	107864539	TAGCAGCAATCAGGGCTACAC	3649
TJU_CMC.ID03652.3p-miR	6	-	108322554	108322574	CTGTTCAGAGGCTATTGTAGC	3650
TJU_CMC.ID03653.5p-miR	6	-	108859822	108859843	TAGCACGTAAACTGTAGTGTGA	3651
TJU_CMC.ID03654.5p-miR	6	+	109090607	109090628	TAGGACTTTTCCCAGGTATCCT	3652
TJU_CMC.ID03655.3p-miR	6	-	109180377	109180398	AACATAGAAGGTGATTAAGGCC	3653
TJU_CMC.ID03656.5p-miR	6	-	109804865	109804884	TCCCCGGCAGTGCCACACGC	3654
TJU_CMC.ID03657.5p-miR	6	-	110396028	110396047	GAATGAGGTACATGGGAGAA	3655
TJU_CMC.ID03658.3p-miR	6	-	110604781	110604802	ATTTCTGATGCCTAGTCCACAG	3656
TJU_CMC.ID03659.3p-miR	6	-	110710181	110710200	GCACCCTTAGCTCAGTCCAT	3657
TJU_CMC.ID03660.3p-miR	6	+	111051137	111051159	TAATCCATTGAGTTATACAACTG	3658
TJU_CMC.ID03661.3p-miR	6	-	111342739	111342760	CTCAGAGCCAGGTCAGTAGGCT	3659
TJU_CMC.ID03662.5p-miR	6	+	111645781	111645801	CTTAAATGTCTGCCTAATGCT	3660
TJU_CMC.ID03663.5p-miR	6	+	112735200	112735219	GCAATCTCCCAGGGTGAGTC	3661
TJU_CMC.ID03664.3p-miR	6	-	113260666	113260685	GTATCTGAATCAGCAGGACA	3662
TJU_CMC.ID03665.3p-miR	6	+	113303568	113303589	CAACATGGCTGGCCTTCCATGC	3663
TJU_CMC.ID03666.3p-miR	6	+	113779938	113779959	ACATACAATCTCTGTAGCCAAT	3664
TJU_CMC.ID03667.3p-miR	6	+	114058972	114058991	CCTCATCAGAGGCTACTGTT	3665
TJU_CMC.ID03668.5p-miR	6	-	114293413	114293433	AGTGGCTCTTAAATTCCAGCA	3666
TJU_CMC.ID03669.5p-miR	6	-	114538951	114538970	ATTATGAATGTGAGCTCTGG	3667
TJU_CMC.ID03670.3p-miR	6	-	114621107	114621128	TGAGAGAGGGAACAGTTTTCAG	3668
TJU_CMC.ID03671.3p-miR	6	-	115582735	115582756	TTCGTGGTATTGAAATCAATGA	3669

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TJU_CMC.ID03672.3p-miR	6	-	116305269	116305290	AGCTACTCTGCTCGCTTACACT	3670
TJU_CMC.ID03673.3p-miR	6	+	116546570	116546590	CTGACATTCTCTAATATTAAA	3671
TJU_CMC.ID03674.3p-miR	6	-	116989166	116989185	ATTTTTTTAACACTTTTATG	3672
TJU_CMC.ID03675.3p-miR	6	-	117235863	117235882	TCCCTTTATTCCCACAACCC	3673
TJU_CMC.ID03676.3p-miR	6	+	117372719	117372739	CTCATTGTTGGTATTTGTGGT	3674
TJU_CMC.ID03677.5p-miR	6	-	117762438	117762459	TAATTTATTAGGAATTTCCCAA	3675
TJU_CMC.ID03678.5p-miR	6	+	117809254	117809275	GATTGTGGGGTAAGCATTGGAG	3676
TJU_CMC.ID03679.5p-miR	6	-	118150618	118150637	ATATTGCTGGTGATCACCAT	3677
TJU_CMC.ID03680.5p-miR	6	+	118613561	118613583	TGGCTAGAGGAAGCAGGACACTG	3678
TJU_CMC.ID03681.3p-miR	6	-	118619521	118619542	ATGACCTATGAATGTAAAGACA	3679
TJU_CMC.ID03682.3p-miR	6	+	119102765	119102788	ATAGAAAAAGATTGGGCAAGGGGA	3680
TJU_CMC.ID03683.3p-miR	6	+	119379058	119379077	GTAGTGGGTTATCAGAACAC	3681
TJU_CMC.ID03684.5p-miR	6	-	119402087	119402106	TCCCGAGGCCTCTCCAGAAG	3682
TJU_CMC.ID03685.5p-miR	6	+	119462371	119462390	TTTGCCTTAGGGTTTAGCAA	3683
TJU_CMC.ID03686.5p-miR	6	-	119825826	119825848	ATAGTGCTGCTGAGAGCCAGGTA	3684
TJU_CMC.ID03687.3p-miR	6	-	120338364	120338385	CATGCCTTAGGGTTTTCTTTGA	3685
TJU_CMC.ID03688.3p-miR	6	-	121664852	121664874	CTTAGCTGTGTCCATAGACAATC	3686
TJU_CMC.ID03689.5p-miR	6	+	123679393	123679415	AGCAGCTAACACACTTGGTATGT	3687
TJU_CMC.ID03690.3p-miR	6	-	123743606	123743627	CTGAATCTCTCTTTTCCCATCT	3688
TJU_CMC.ID03691.3p-miR	6	+	124124785	124124806	CCCGCGCCCCGCTCCCCGCCCC	3689
TJU_CMC.ID03692.5p-miR	6	+	124540832	124540851	ATGAAGTATTATGAGAACCT	3690
TJU_CMC.ID03693.5p-miR	6	-	124938121	124938143	AACACATTTCTGGGACTTTATTG	3691
TJU_CMC.ID03694.3p-miR	6	+	125292012	125292031	GGGATAATCACATGTGTCTA	3692
TJU_CMC.ID03695.5p-miR	6	-	126022978	126022997	ATGAAATTAACCATACAAAC	3693
TJU_CMC.ID03696.3p-miR	6	+	126713025	126713047	TAGCATCATTTGAAATCAGGTAA	3694
TJU_CMC.ID03697.5p-miR	6	+	126862613	126862634	TAGCTTATACTCTGGATGCCAG	3695
TJU_CMC.ID03698.5p-miR	6	+	127440597	127440616	CCCTTGCCTCTCGGCGCCCC	3696
TJU_CMC.ID03699.3p-miR	6	+	127476382	127476403	TCAGTGCACTGTGAGGTCAGTG	3697
TJU_CMC.ID03700.3p-miR	6	+	127496643	127496663	TAATACTGCCTGGTAACATCA	3698
TJU_CMC.ID03701.5p-miR	6	-	128362951	128362973	TATATATACACTTTTATAAAACT	3699
TJU_CMC.ID03702.5p-miR	6	+	128892100	128892121	TTTGGCAATGGAAATCTGAGTT	3700

Table 1. Novel miRNA sequences

TJU_CMC.ID03703.3p-miR	6	-	129821175	129821198	GATGGGCGTGGTGGCTCATGTTTT	3701
TJU_CMC.ID03704.3p-miR	6	-	130483263	130483284	TAGCATACGCTCTTTATACAAT	3702
TJU_CMC.ID03705.5p-miR	6	+	130495501	130495522	AAGTGTAGTAACCCAGCCAGGT	3703
TJU_CMC.ID03706.5p-miR	6	+	130685433	130685454	TGAGGACGGCTCAGTCACTCAA	3704
TJU_CMC.ID03707.5p-miR	6	+	130698226	130698248	TCCATGCTAAGAGCATAACAAGC	3705
TJU_CMC.ID03708.5p-miR	6	-	130776804	130776825	TAGCTTATCATCACAGGTGCAG	3706
TJU_CMC.ID03709.3p-miR	6	-	130911870	130911891	TGTACTGTAGTCATTCCTTTTG	3707
TJU_CMC.ID03710.5p-miR	6	+	131190476	131190497	GAAAGTTTACCCTACAGGTGTC	3708
TJU_CMC.ID03711.3p-miR	6	+	131375738	131375758	AGTCCCTGTTCGGGCGCCACT	3709
TJU_CMC.ID03712.5p-miR	6	-	131610755	131610774	CACTTCATGGGTCCCGTGTG	3710
TJU_CMC.ID03713.3p-miR	6	+	132859681	132859701	GTGATGCCCTTCAGCACAGTG	3711
TJU_CMC.ID03714.3p-miR	6	+	133316311	133316332	AGCATCGCTGAAAGTCAGCCCT	3712
TJU_CMC.ID03715.5p-miR	6	+	133359163	133359182	CATATTCACACAGTATATAC	3713
TJU_CMC.ID03716.3p-miR	6	+	133589993	133590012	AGCTGGGCTTTTCCATCACG	3714
TJU_CMC.ID03717.5p-miR	6	-	133946373	133946394	GATGCAATAGGATATGAATGAT	3715
TJU_CMC.ID03718.5p-miR	6	+	134140558	134140579	GCTGTGTGGCTGTCCTATCTTC	3716
TJU_CMC.ID03719.5p-miR	6	+	134454784	134454806	GAGGTCTGGGCTGTAGTGCGCTA	3717
TJU_CMC.ID03720.3p-miR	6	+	134496219	134496238	GGCGCAGGGCCGTTATCAGT	3718
TJU_CMC.ID03721.3p-miR	6	+	134944453	134944473	ACCTCAGAAGGTCTCAGAAAT	3719
TJU_CMC.ID03722.3p-miR	6	+	135278161	135278182	TAGAGGGAACAGTTTATGGGGT	3720
TJU_CMC.ID03723.5p-miR	6	-	135844328	135844347	ACAACCATGCACACTACAGA	3721
TJU_CMC.ID03724.3p-miR	6	+	136002560	136002581	TGAGTCTTTGTCAAATACAGGT	3722
TJU_CMC.ID03725.3p-miR	6	+	136153142	136153162	CGAGGTGAAGCTTTAGAGGAA	3723
TJU_CMC.ID03726.5p-miR	6	+	136172013	136172033	AAGTGTAACCCAGGGATAAGC	3724
TJU_CMC.ID03727.5p-miR	6	+	136490248	136490267	ATGACCTATGAATTCATGAT	3725
TJU_CMC.ID03728.3p-miR	6	+	136780420	136780441	AACTGGTACCCTTGTACACTGT	3726
TJU_CMC.ID03729.5p-miR	6	+	136795251	136795271	ACCCTGAGGCCAGAGTGAAAA	3727
TJU_CMC.ID03730.5p-miR	6	-	137026982	137027003	TAGCTGCTCAGGATGTAACACA	3728
TJU_CMC.ID03731.3p-miR	6	-	137143954	137143975	CCGCCTCCGCCCCCCGGCCCCA	3729
TJU_CMC.ID03732.5p-miR	6	-	137454324	137454343	GCAGGGGTGGTTCAGTGGTG	3730
TJU_CMC.ID03733.5p-miR	6	+	137477027	137477046	TCCTTAATGCTCTGTGGTTT	3731

Table 1. Novel miRNA sequences

TJU_CMC.ID03734.3p-miR	6	+	137760299	137760319	GACTGGATACTGCCAGCTGAT	3732
TJU_CMC.ID03735.3p-miR	6	-	137791993	137792014	ATATTATCAATGTAGTGTATAG	3733
TJU_CMC.ID03736.5p-miR	6	+	138684202	138684222	TCGTACCTGAGAATCTGACAG	3734
TJU_CMC.ID03737.3p-miR	6	-	138931052	138931071	GCATTGATGGTAGTCACCAT	3735
TJU_CMC.ID03738.3p-miR	6	-	139014059	139014078	CCCGTCCGTCCGTCCGTCCT	3736
TJU_CMC.ID03739.3p-miR	6	-	139451056	139451075	TATCCATTTCTACACCTTGT	3737
TJU_CMC.ID03740.5p-miR	6	-	140197127	140197149	AGCAGCACCTCGCATGGCTGGAG	3738
TJU_CMC.ID03741.3p-miR	6	+	140846762	140846783	CTTTATTTGAAAACCATATATG	3739
TJU_CMC.ID03742.3p-miR	6	-	141048289	141048310	CAGTCTGGGTGACTTATGAATA	3740
TJU_CMC.ID03743.5p-miR	6	+	141576628	141576649	CACTTGCCCTGGTTTATGGGGT	3741
TJU_CMC.ID03744.5p-miR	6	-	141767702	141767723	TTACAGTAATCCAGTAGAAATT	3742
TJU_CMC.ID03745.3p-miR	6	+	143119840	143119861	GTCTTTCGAGTGAAGACAGAAC	3743
TJU_CMC.ID03746.3p-miR	6	+	143187242	143187263	AAGCAGCATGCTGCAACTGGTG	3744
TJU_CMC.ID03747.3p-miR	6	+	143804717	143804739	ATGCAGCATATACAGATATGGCT	3745
TJU_CMC.ID03748.5p-miR	6	+	144042887	144042908	GTTTCAGAGTTTCTCACCACAG	3746
TJU_CMC.ID03749.3p-miR	6	+	144123370	144123391	AAATACCTAGTTTTGGCTCAAT	3747
TJU_CMC.ID03750.5p-miR	6	+	144127115	144127135	CCCAGTGAAGTCACTCCCTGT	3748
TJU_CMC.ID03751.5p-miR	6	+	144329354	144329373	TGCCCCGTCCGTCCGTCCGT	3749
TJU_CMC.ID03752.5p-miR	6	+	144624030	144624051	TCCCTGGTAACTGAGTGTGGCT	3750
TJU_CMC.ID03753.5p-miR	6	-	144772688	144772710	CATAATGTCTTTATGCCAGCAGA	3751
TJU_CMC.ID03754.3p-miR	6	+	144799962	144799982	GTCAGTTTGTCGTTATGGGGA	3752
TJU_CMC.ID03755.3p-miR	6	-	145351933	145351955	GGGATTAAAATGATCCTTAAAGGC	3753
TJU_CMC.ID03756.3p-miR	6	+	145666133	145666152	TCACATATATATGAAAAATC	3754
TJU_CMC.ID03757.5p-miR	6	+	145805492	145805513	GAGCTTTAGTCCCCATGAAACC	3755
TJU_CMC.ID03758.3p-miR	6	-	146141888	146141907	GCTGCAATTCAAGGTGTTGG	3756
TJU_CMC.ID03759.5p-miR	6	-	147319166	147319188	AGCAGCAAACAGTGAGGGAATGA	3757
TJU_CMC.ID03760.5p-miR	6	-	147322649	147322668	GCTGGAGAAATGTCACTGCT	3758
TJU_CMC.ID03761.3p-miR	6	+	147851986	147852008	CTACTGTTTGATGTCTTAATCTG	3759
TJU_CMC.ID03762.5p-miR	6	+	147919019	147919038	TGGTCACCTAGATACTGCCC	3760
TJU_CMC.ID03763.5p-miR	6	+	148069541	148069561	GTAATAATGCCCACCGCATAT	3761
TJU_CMC.ID03764.3p-miR	6	+	148520767	148520788	GAGCTGTGATGAACTCTGAGCA	3762

Table 1. Novel miRNA sequences

TJU_CMC.ID03765.3p-miR	6	-	148535991	148536012	CAGCTCAGTTCAGCAGAAACAC	3763
TJU_CMC.ID03766.5p-miR	6	+	148714893	148714912	GTGCAAGAATTTGGTGGTGA	3764
TJU_CMC.ID03767.5p-miR	6	+	148800744	148800765	TGATAGCTAGCCATGGTTTACA	3765
TJU_CMC.ID03768.5p-miR	6	+	149041688	149041708	TCTGAGTAATCCAGGAAGTCT	3766
TJU_CMC.ID03769.5p-miR	6	+	149357057	149357076	GTCCAGTTTTCCCACGGAAA	3767
TJU_CMC.ID03770.3p-miR	6	+	150623991	150624013	GTGAGAGTTTGAGTTTCACCCTG	3768
TJU_CMC.ID03771.5p-miR	6	-	150911155	150911177	AAGAAACCAACTTCATGGTCACT	3769
TJU_CMC.ID03772.3p-miR	6	+	151130957	151130978	ATCACATCATTGAACTCCAGAC	3770
TJU_CMC.ID03773.3p-miR	6	+	151180358	151180380	TGGCCTCATTCAGTGAAGGTGAG	3771
TJU_CMC.ID03774.5p-miR	6	+	151437018	151437040	ATCATTATCAGCTGAGCACAGTG	3772
TJU_CMC.ID03775.5p-miR	6	-	151478811	151478831	ACAGTAGGAGTAACACAGGTT	3773
TJU_CMC.ID03776.5p-miR	6	+	151549631	151549652	CTCAGTCTCAGGATTCTTGCAT	3774
TJU_CMC.ID03777.5p-miR	6	-	151620236	151620257	ACAGCAGGCCACTACAGGCTCC	3775
TJU_CMC.ID03778.3p-miR	6	-	151997734	151997754	TAGCACCATTTGAAAATAATT	3776
TJU_CMC.ID03779.5p-miR	6	+	152220065	152220086	GGGTGGTGGCCGGGCAGAGCGG	3777
TJU_CMC.ID03780.5p-miR	6	-	152581962	152581983	TAGCAGCACTAGATGCTCATAG	3778
TJU_CMC.ID03781.3p-miR	6	-	152661525	152661544	TCAATAGTTCTGAGTTGAGA	3779
TJU_CMC.ID03782.5p-miR	6	-	152964395	152964416	TCCAGCGGCAACGGCAGTAGTT	3780
TJU_CMC.ID03783.3p-miR	6	-	153877456	153877479	ATTTTCTCTGTTTATTGCACAAGT	3781
TJU_CMC.ID03784.3p-miR	6	-	154355048	154355070	CTAAGGTATTAGCAGTTGAACTC	3782
TJU_CMC.ID03785.3p-miR	6	-	154558889	154558910	TTCATCATTCTTGAAGCAAGCC	3783
TJU_CMC.ID03786.3p-miR	6	+	154686019	154686041	TAGAGGCTCAGATCAGCTGGTTG	3784
TJU_CMC.ID03787.3p-miR	6	-	155075566	155075586	AGTTCTTCTCACTACCTAGGC	3785
TJU_CMC.ID03788.5p-miR	6	-	155102575	155102596	TGTCAGTGGTAGTTTATGGGAA	3786
TJU_CMC.ID03789.5p-miR	6	-	155756129	155756152	CAAGGACAAGGAAGGGTTCCTGCG	3787
TJU_CMC.ID03790.3p-miR	6	+	155807234	155807255	GTCACATTGCCAGGGATCAGAA	3788
TJU_CMC.ID03791.5p-miR	6	+	156390316	156390335	CCAGCGGGTGCTCTTATCTG	3789
TJU_CMC.ID03792.5p-miR	6	-	156668393	156668415	TAGGGGCCAACTGTTTGATTTCT	3790
TJU_CMC.ID03793.5p-miR	6	-	156700332	156700351	CCAGTTTTTATAAAAGGCTT	3791
TJU_CMC.ID03794.3p-miR	6	+	156744383	156744403	AGGACTGGGAACACTTCTGAG	3792
TJU_CMC.ID03795.3p-miR	6	-	156887527	156887546	ATGACCTAACTTAACTCTGT	3793

Table 1. Novel miRNA sequences

TJU_CMC.ID03796.5p-miR	6	+	157101978	157101998	CTGAGGATAAGGCCATTGAAA	3794
TJU_CMC.ID03797.3p-miR	6	-	158344905	158344925	TGAGGTAGCGAGCACATTTCA	3795
TJU_CMC.ID03798.5p-miR	6	+	158553746	158553765	TTACCTATGAATTGGCAGAT	3796
TJU_CMC.ID03799.3p-miR	6	-	159193447	159193467	ACGCCAGCATCTAATGGGACT	3797
TJU_CMC.ID03800.3p-miR	6	-	159257853	159257872	TCCCCGGCACCTCCTGTGCC	3798
TJU_CMC.ID03801.5p-miR	6	-	159634117	159634138	TGCAATCCCCCTATTTTATGGA	3799
TJU_CMC.ID03802.5p-miR	6	-	159718431	159718453	ACCCTATTTGTCACTATAGGCAG	3800
TJU_CMC.ID03803.3p-miR	6	+	159863677	159863698	ACAGCAGGCACAGACAGATGGG	3801
TJU_CMC.ID03804.5p-miR	6	-	159931467	159931488	ACAGCAGGCTGAGCACTTACCA	3802
TJU_CMC.ID03805.3p-miR	6	-	160201282	160201303	CTTCTGCAGGGACTAGACATTG	3803
TJU_CMC.ID03806.5p-miR	6	+	160295843	160295864	ACCTTACCCACTGTTATGGCTG	3804
TJU_CMC.ID03807.3p-miR	6	+	160342024	160342045	TAGCCATATGGTATACTGAGTT	3805
TJU_CMC.ID03808.5p-miR	6	-	160465073	160465092	CCTGTTTAGCAACCCAAGCA	3806
TJU_CMC.ID03809.5p-miR	6	+	160529007	160529028	GGCTGGTCCGATCCATTGTACA	3807
TJU_CMC.ID03810.3p-miR	6	+	160544497	160544518	GAGCAGGTGCCGGTGCAACTGG	3808
TJU_CMC.ID03811.5p-miR	6	+	160595545	160595566	AAGTGTACATTCTTCTAAAGAC	3809
TJU_CMC.ID03812.3p-miR	6	-	160902875	160902894	AGCAGGGAGATGGAGCACAT	3810
TJU_CMC.ID03813.5p-miR	6	+	160961250	160961272	GTCCAGCCCCTTCAGGTATCCTC	3811
TJU_CMC.ID03814.3p-miR	6	+	161138206	161138227	GTCCAGTTTTTCCACCTTGGGG	3812
TJU_CMC.ID03815.5p-miR	6	+	161459764	161459783	GCTGGAATAGCTCAGTTGGC	3813
TJU_CMC.ID03816.5p-miR	6	-	161490952	161490971	CCCATAAAGTAGGGGATCTG	3814
TJU_CMC.ID03817.3p-miR	6	+	161949560	161949581	TGGCAGGGTCTTTCTCAACTGT	3815
TJU_CMC.ID03818.3p-miR	6	-	162183782	162183802	TATGCATCAAGAATATAACAG	3816
TJU_CMC.ID03819.3p-miR	6	+	162255342	162255361	CTTTGCAGGTAGAAGGCCTC	3817
TJU_CMC.ID03820.3p-miR	6	-	162489581	162489601	GCCCTTGTAATGACAGCTGCA	3818
TJU_CMC.ID03821.3p-miR	6	+	162721124	162721145	AGCTGCAAATGATTTATGAAAC	3819
TJU_CMC.ID03822.5p-miR	6	-	162929724	162929745	AAAAATGCTTAGGCTTGAAAGT	3820
TJU_CMC.ID03823.5p-miR	6	-	163421462	163421483	ACAGGACCCACTGGTATGGGGA	3821
TJU_CMC.ID03824.5p-miR	6	+	163738992	163739011	GCAGAGCGATATATATATCT	3822
TJU_CMC.ID03825.3p-miR	6	-	163757310	163757332	GTGCTCAGGGACTGAGAGCTGGT	3823
TJU_CMC.ID03826.5p-miR	6	-	164139577	164139596	GCATGGCACCTGCATATGAT	3824

Table 1. Novel miRNA sequences

TJU_CMC.ID03827.5p-miR	6	-	164181613	164181635	CAAAGTGCTGCACTGCCAAGTAC	3825
TJU_CMC.ID03828.5p-miR	6	-	164256405	164256426	TAGCACCATTTCTTTATTCATT	3826
TJU_CMC.ID03829.5p-miR	6	+	164367292	164367311	ACCGTCTTGCATGTTTATTT	3827
TJU_CMC.ID03830.5p-miR	6	+	164406155	164406175	GTCCAGTTTTCCCAGAAAACT	3828
TJU_CMC.ID03831.3p-miR	6	+	164645460	164645480	TTCACTGCCCCTGAGATAACT	3829
TJU_CMC.ID03832.5p-miR	6	-	165134760	165134781	TGTCAGTTACAGTTTAGTTTTC	3830
TJU_CMC.ID03833.3p-miR	6	+	165308480	165308499	CATGCTGAGAATCGCTTAGG	3831
TJU_CMC.ID03834.3p-miR	6	+	166159753	166159774	TACTGACCCACTGGATGTGGGT	3832
TJU_CMC.ID03835.3p-miR	6	-	166253824	166253843	TCTCCAATGCTCTTGTTGCT	3833
TJU_CMC.ID03836.5p-miR	6	+	166314520	166314541	TGGGATGAAGCACTGTAGACAG	3834
TJU_CMC.ID03837.3p-miR	6	-	166458313	166458334	TGGCTCTTGGAGATGACTGTGA	3835
TJU_CMC.ID03838.5p-miR	6	+	166781326	166781347	TCAGACTTTGCTTCTACTATTG	3836
TJU_CMC.ID03839.5p-miR	6	-	167833620	167833639	GATGATGCCTGCACTACGAT	3837
TJU_CMC.ID03840.3p-miR	6	-	168111431	168111450	CTCCGGCGGGTGCGGGGTCT	3838
TJU_CMC.ID03841.3p-miR	6	-	168771936	168771958	AAGGCAGGGCCCTCGCTCCCCAA	3839
TJU_CMC.ID03842.5p-miR	6	+	169019771	169019792	GCGCCGGTGACCGCAACAGCAC	3840
TJU_CMC.ID03843.3p-miR	6	+	169063629	169063648	GAGTCCAGTTGGGTCCTGTT	3841
TJU_CMC.ID03844.5p-miR	6	+	169427232	169427251	AGAACAGAAATCTCCAGTAA	3842
TJU_CMC.ID03845.3p-miR	6	+	169588090	169588109	CCCCCGCTCCCCGTCCCCCC	3843
TJU_CMC.ID03846.3p-miR	6	+	169721875	169721896	TTCCTTTTTTAGTGACTGGGCC	3844
TJU_CMC.ID03847.5p-miR	6	-	169828785	169828806	ACAGCAGGCACTTCACTGCAGG	3845
TJU_CMC.ID03848.5p-miR	6	+	169842720	169842741	TGAGGTAGTAGTGGTGGCTCTG	3846
TJU_CMC.ID03849.3p-miR	6	+	170124007	170124030	GGGCCCGGCCGCCGCCGCCATCAG	3847
TJU_CMC.ID03850.5p-miR	6	+	170430632	170430654	CTATAACAATTAAATGAGATAAA	3848
TJU_CMC.ID03851.5p-miR	6	+	170465564	170465586	GCTTCTGGGGAGGAGGAATCCCT	3849
TJU_CMC.ID03852.5p-miR	6	-	170725910	170725932	GATGACGCTGTCACAATACCCCA	3850
TJU_CMC.ID03853.3p-miR	7	-	436182	436203	ATCACTGAACTTGAGATAGATC	3851
TJU_CMC.ID03854.5p-miR	7	+	521067	521088	ACCGACTCTGTCTAACTTGTGA	3852
TJU_CMC.ID03855.5p-miR	7	+	596697	596719	GCCGGGCAGCTTCCGTTTCCAAC	3853
TJU_CMC.ID03856.5p-miR	7	-	726201	726220	TCTAACTGCAAGAACAACCA	3854
TJU_CMC.ID03857.3p-miR	7	-	752044	752064	CGCCGCGCATCCAGGTACGCG	3855

Table 1. Novel miRNA sequences

TJU_CMC.ID03858.3p-miR	7	+	771188	771209	ATCACATTGTTGATCTAAAGCA	3856
TJU_CMC.ID03859.5p-miR	7	-	824764	824784	GACCTGATGCTGCTGGCCACG	3857
TJU_CMC.ID03860.5p-miR	7	-	1364884	1364904	CAGCTCCAGGCCCCCTGCAAC	3858
TJU_CMC.ID03861.5p-miR	7	-	1532622	1532641	GCCCACGCCCCGCTCCCCAC	3859
TJU_CMC.ID03862.5p-miR	7	-	1635118	1635137	CAGAGCTCCTACAGTCCTAG	3860
TJU_CMC.ID03863.3p-miR	7	+	1702841	1702862	TGGGAACTGGAGATCTTCACAG	3861
TJU_CMC.ID03864.5p-miR	7	-	1747823	1747845	AAGTCGTCCTGCCAGGGTCGCAC	3862
TJU_CMC.ID03865.3p-miR	7	-	1756679	1756698	CACGCCTTTCCCCCTCCTCC	3863
TJU_CMC.ID03866.3p-miR	7	+	1855368	1855389	CTTCCCCTCCTCCCGCCCACCC	3864
TJU_CMC.ID03867.3p-miR	7	+	1907989	1908010	CCATGGCTGCTGCCGCCCAGCA	3865
TJU_CMC.ID03868.3p-miR	7	-	1987345	1987366	GCAGGTTCCACAACCCAGCCGT	3866
TJU_CMC.ID03869.5p-miR	7	-	2257204	2257224	GCTGTGCCATTTCCCTGCGGA	3867
TJU_CMC.ID03870.3p-miR	7	-	2505684	2505703	CTGCTCTCAATGATTTTTGGA	3868
TJU_CMC.ID03871.3p-miR	7	+	2520700	2520720	CATTCTGTTATTCCGCAAATA	3869
TJU_CMC.ID03872.5p-miR	7	+	3473289	3473311	GGGACCAACATCAAATACAAACA	3870
TJU_CMC.ID03873.3p-miR	7	-	3549814	3549834	TAGCAGCACATAATGGTTTGA	3871
TJU_CMC.ID03874.5p-miR	7	+	3609001	3609022	CAGTCACCTGGTTCCCAAGGTT	3872
TJU_CMC.ID03875.5p-miR	7	-	4672213	4672232	CTCCAGGAACGTTGCACCAC	3873
TJU_CMC.ID03876.3p-miR	7	-	4773843	4773863	GGCCTACGGCTTGAGATAGAG	3874
TJU_CMC.ID03877.3p-miR	7	-	4798855	4798876	CCCCGCAAGAGGGCCGCCCGCT	3875
TJU_CMC.ID03878.5p-miR	7	+	5181948	5181968	GTTTTATTAAAACTAATAAAA	3876
TJU_CMC.ID03879.5p-miR	7	-	5255213	5255234	CATCATGTCCACTCTACAGCCA	3877
TJU_CMC.ID03880.3p-miR	7	-	5279681	5279703	AACTAGAATATTATTATTTTTTT	3878
TJU_CMC.ID03881.3p-miR	7	+	5401783	5401802	TCCCACCGCTGCCACCTCCT	3879
TJU_CMC.ID03882.3p-miR	7	-	5490254	5490276	AACCCTGTGAGGAGTTTCCAGTC	3880
TJU_CMC.ID03883.5p-miR	7	+	6003200	6003222	AATAGCATTTCAGGTGCTCACTC	3881
TJU_CMC.ID03884.3p-miR	7	-	6662885	6662905	GTCCAGTTTTCCCGGAGGGAA	3882
TJU_CMC.ID03885.3p-miR	7	+	7101426	7101445	ACACCCTCCCGTGACAGTGT	3883
TJU_CMC.ID03886.3p-miR	7	-	7397333	7397353	GCATTAGTTCTGAGCTGAGTT	3884
TJU_CMC.ID03887.3p-miR	7	-	7521096	7521116	AAAATAATCTTTTGGTACTAT	3885
TJU_CMC.ID03888.3p-miR	7	+	7574204	7574224	TGAGAACTGAATTCCATTGAG	3886

Table 1. Novel miRNA sequences

TJU_CMC.ID03889.3p-miR	7	-	7693490	7693510	TAGCACCATCTCTGGCTTTAA	3887
TJU_CMC.ID03890.3p-miR	7	+	7715969	7715990	TGAGGTAGTACTATTATATCAC	3888
TJU_CMC.ID03891.3p-miR	7	-	7756277	7756297	CCGCGCCGGCCTCCACCCTAA	3889
TJU_CMC.ID03892.5p-miR	7	-	7770030	7770052	AGCAGCAAACATGTCCATCAGTC	3890
TJU_CMC.ID03893.3p-miR	7	-	7835741	7835761	AACATGGAGGAAATTCCATTA	3891
TJU_CMC.ID03894.5p-miR	7	-	7837251	7837273	TAGAGTATCATCATGATCCCATT	3892
TJU_CMC.ID03895.5p-miR	7	+	8109741	8109763	GCTGTGCCACTGAACTATAGGTT	3893
TJU_CMC.ID03896.5p-miR	7	-	8186854	8186875	TGAGAGCTGCTCAAGTGTGGTT	3894
TJU_CMC.ID03897.3p-miR	7	+	8473172	8473191	CGTCCTCCTCCTCCCCCTTC	3895
TJU_CMC.ID03898.3p-miR	7	+	8926809	8926831	TAGCAGGTGCCAGGGCCTGTGTT	3896
TJU_CMC.ID03899.3p-miR	7	-	8985102	8985121	GTATAGTTCTGAGCTGGTGG	3897
TJU_CMC.ID03900.5p-miR	7	+	9734495	9734514	TAGTGCTAGAATTTGATTTA	3898
TJU_CMC.ID03901.3p-miR	7	+	10131496	10131517	ACAATGAATGTGAGTGAATGGC	3899
TJU_CMC.ID03902.3p-miR	7	+	12449605	12449627	CGCAGTATCCGTGACATGAACGA	3900
TJU_CMC.ID03903.5p-miR	7	-	12775026	12775046	GCCTGATAAATCTAAACTGCA	3901
TJU_CMC.ID03904.3p-miR	7	+	13119520	13119539	TCTGGTTATTGTTAGCTGTA	3902
TJU_CMC.ID03905.3p-miR	7	+	14374749	14374770	TTCTGATTTTATTATGTGAGTG	3903
TJU_CMC.ID03906.3p-miR	7	+	15447792	15447813	TGTACTGGCTGACTTATGGGAT	3904
TJU_CMC.ID03907.3p-miR	7	+	16202283	16202305	CTTGGGGTGCAGAGTTCTTTAAA	3905
TJU_CMC.ID03908.5p-miR	7	-	16438566	16438585	CGTGTTGATTACGTGATGAT	3906
TJU_CMC.ID03909.3p-miR	7	+	16697375	16697396	TTAGTTGCCACTGGTATGTTCA	3907
TJU_CMC.ID03910.3p-miR	7	-	17351763	17351784	TAAATGCTAGGGATCAGGACAG	3908
TJU_CMC.ID03911.5p-miR	7	-	17869560	17869579	CTGAGCCTTAACATATATAA	3909
TJU_CMC.ID03912.5p-miR	7	+	18231962	18231985	TATTGCATTTGTAAATATTCAAAT	3910
TJU_CMC.ID03913.3p-miR	7	+	18250466	18250487	ACAGTCCGGAGGAGAAGAAACT	3911
TJU_CMC.ID03914.3p-miR	7	-	18481280	18481303	TCTTTCTTTTGTTTTATATTTCTA	3912
TJU_CMC.ID03915.5p-miR	7	-	19589634	19589656	TAGAGGACTGTCAACGCACCAAT	3913
TJU_CMC.ID03916.3p-miR	7	+	19600493	19600516	TGGAGGGCTGAGTCAGCAGCATTG	3914
TJU_CMC.ID03917.3p-miR	7	+	19784660	19784681	ATCCTGAAACCTGATGATGCAC	3915
TJU_CMC.ID03918.5p-miR	7	+	19791772	19791792	GCTTATGTCTAGTTTTGGCTC	3916
TJU_CMC.ID03919.5p-miR	7	-	20077907	20077928	TGTAGACTTTCCTTGCATTTTG	3917

Table 1. Novel miRNA sequences

TJU_CMC.ID03920.3p-miR	7	+	20867354	20867376	GGCAGCATTGCGTGATTCTCCAG	3918
TJU_CMC.ID03921.3p-miR	7	+	20919544	20919563	ACATCTAATGCAAAGTCTTC	3919
TJU_CMC.ID03922.3p-miR	7	+	21110391	21110412	AAGTGTTTGCTGTTATAAAACA	3920
TJU_CMC.ID03923.3p-miR	7	-	21763597	21763617	AACATAGAGGAGAGGAACATG	3921
TJU_CMC.ID03924.5p-miR	7	-	21880154	21880173	TCTCAAAGCGGCCTAAGCTG	3922
TJU_CMC.ID03925.3p-miR	7	+	22266524	22266524	AGCATGCTGAGAGCTAGGAA	3923
TJU_CMC.ID03926.3p-miR	7	-	23024927	23024947	TCAAGGAGCTCACAGTAAAGT	3924
TJU_CMC.ID03927.3p-miR	7	-	23931149	23931170	ATACTGGCACTGGATACCTTGG	3925
TJU_CMC.ID03928.5p-miR	7	-	24571218	24571238	ATGCATCAGAGGCTAGTGTGA	3926
TJU_CMC.ID03929.5p-miR	7	+	24817624	24817643	CCCATAAAGGCTCCCTCTAA	3927
TJU_CMC.ID03930.3p-miR	7	-	24936458	24936477	CTCAAGTAATCCAGTCGCGT	3928
TJU_CMC.ID03931.5p-miR	7	+	24972615	24972636	GACCTGATGCTGCTGCACCAAC	3929
TJU_CMC.ID03932.3p-miR	7	+	25008894	25008915	ATCTGTATGCCATTTCGTGAAC	3930
TJU_CMC.ID03933.5p-miR	7	+	25093540	25093559	GAGATGATATATATATGAAT	3931
TJU_CMC.ID03934.5p-miR	7	+	25116779	25116800	ACATCCACGAAGCAGAGACTAG	3932
TJU_CMC.ID03935.5p-miR	7	-	25280005	25280026	ACTGGACTTGGAGTCTCTCGGC	3933
TJU_CMC.ID03936.5p-miR	7	-	25306317	25306336	GCATTTGATATTAGGGTTTT	3934
TJU_CMC.ID03937.5p-miR	7	+	25476835	25476856	TGAGGTTCATCGTTTGTATCTG	3935
TJU_CMC.ID03938.3p-miR	7	-	25497536	25497555	GAGAATATATTATAAGATAA	3936
TJU_CMC.ID03939.3p-miR	7	+	25936187	25936206	AAAATAATGGATTAAGCTTA	3937
TJU_CMC.ID03940.5p-miR	7	-	26524941	26524962	TCTCAGTGGTGAGGATACAAAC	3938
TJU_CMC.ID03941.3p-miR	7	-	26738236	26738256	TAGCAGAAATGCTTTATACAT	3939
TJU_CMC.ID03942.5p-miR	7	-	26985526	26985547	GATATACTTATCAAAAATAAAA	3940
TJU_CMC.ID03943.5p-miR	7	+	27138496	27138515	GCCGAGGCCCTGAACTGTTC	3941
TJU_CMC.ID03944.3p-miR	7	-	27153003	27153026	GGTTGCAGAGGGAAGGAGAGGTGG	3942
TJU_CMC.ID03945.5p-miR	7	-	27285416	27285436	CCCGCTCCGGGGACAGTGTTC	3943
TJU_CMC.ID03946.3p-miR	7	+	27292190	27292209	TGCCCGCGTAGAGGTGTGTG	3944
TJU_CMC.ID03947.5p-miR	7	+	27591768	27591787	GCCGTGCACAATCAGTTTAG	3945
TJU_CMC.ID03948.5p-miR	7	+	27635957	27635979	TGATCTAAACAGTTCCCAAAAGT	3946
TJU_CMC.ID03949.3p-miR	7	-	28017863	28017882	GGTTCGAATCCTGTCTCTGC	3947
TJU_CMC.ID03950.3p-miR	7	-	28432233	28432255	TGATCTATCATCAGTCAAGGTCA	3948

Table 1. Novel miRNA sequences

TJU_CMC.ID03951.3p-miR	7	-	28721133	28721154	GTGACTGGGACTGGGCGTGGTG	3949
TJU_CMC.ID03952.5p-miR	7	+	28855930	28855951	CTGACCTTGGAATTGACAGGGT	3950
TJU_CMC.ID03953.3p-miR	7	-	28996894	28996913	GCACCTGCCACGTCTCGGCC	3951
TJU_CMC.ID03954.3p-miR	7	+	29346768	29346788	CTGTAAATCTAATGGTTCCCA	3952
TJU_CMC.ID03955.3p-miR	7	+	29846210	29846230	ACGGAGCCCGGAGCCGGAGGC	3953
TJU_CMC.ID03956.5p-miR	7	+	30615289	30615311	TAGCAGCCCCTTGAGTTCTAAAA	3954
TJU_CMC.ID03957.5p-miR	7	-	30961872	30961892	CCCGCCCTCCCTTCCCCCACC	3955
TJU_CMC.ID03958.5p-miR	7	+	31124545	31124567	AGAAGACCCCTTTGAAGGCATTT	3956
TJU_CMC.ID03959.3p-miR	7	+	31156110	31156129	GCCTCCGTTGCCCTCGGCTC	3957
TJU_CMC.ID03960.5p-miR	7	+	31522439	31522461	GAGGCCGCTGAGTGGATGGGTCT	3958
TJU_CMC.ID03961.5p-miR	7	+	31629686	31629708	ATAGTTTGTTTTTTGAGGTGGGG	3959
TJU_CMC.ID03962.5p-miR	7	-	31760620	31760641	ATCATGCCACTGAGGATTTGGT	3960
TJU_CMC.ID03963.5p-miR	7	-	32899861	32899883	TGGCTCAGCTCAGCTCCTTGGAC	3961
TJU_CMC.ID03964.5p-miR	7	+	33090497	33090518	TAGCAGTGTGTCACAATGGCCA	3962
TJU_CMC.ID03965.3p-miR	7	+	33194484	33194503	GGGGCTCTGGCCCCAAGCCC	3963
TJU_CMC.ID03966.3p-miR	7	+	33236544	33236565	CCAGTAGTCTGCAGATTGGTTT	3964
TJU_CMC.ID03967.3p-miR	7	+	33379487	33379507	TGAGATGAAGGTGAATAGCTC	3965
TJU_CMC.ID03968.3p-miR	7	-	33480359	33480380	TCGTGCAATGGTATACTGATGG	3966
TJU_CMC.ID03969.5p-miR	7	+	33600969	33600991	GCCATGATGACAGTATTTCTGAG	3967
TJU_CMC.ID03970.3p-miR	7	-	33705444	33705463	GACCCTATAGCCCAGGCTTT	3968
TJU_CMC.ID03971.5p-miR	7	+	33775615	33775635	CTTCCACAGCACCTTATGGTA	3969
TJU_CMC.ID03972.3p-miR	7	+	34293131	34293151	CATGAATTGTCAAATACCCCA	3970
TJU_CMC.ID03973.3p-miR	7	-	34396907	34396928	CTCAGAGGCTTAACAATCCTCC	3971
TJU_CMC.ID03974.3p-miR	7	+	35853648	35853670	GTCACTGGGGAAACTGTTAAAAG	3972
TJU_CMC.ID03975.3p-miR	7	+	36138623	36138644	AACAATGGCAACAGCAGCCTGG	3973
TJU_CMC.ID03976.3p-miR	7	+	36247617	36247636	CCTCCAGGAACGGTGCCTCC	3974
TJU_CMC.ID03977.3p-miR	7	+	36955598	36955618	GGCGAGCTCAGGGAGGAAATC	3975
TJU_CMC.ID03978.3p-miR	7	-	37737852	37737871	CATTATTACTTTTGATCCTC	3976
TJU_CMC.ID03979.5p-miR	7	+	37753844	37753867	GGACTGGGATGCAGACTCTGTATA	3977
TJU_CMC.ID03980.3p-miR	7	+	37836024	37836043	TTAAGCATTATTATTTGGAT	3978
TJU_CMC.ID03981.5p-miR	7	-	38005017	38005039	AAGTTTATCCTCAGCTACAACTG	3979

Table 1. Novel miRNA sequences

TJU_CMC.ID03982.5p-miR	7	-	38023414	38023433	CGCAGCAGGTCTCCATCCAC	3980
TJU_CMC.ID03983.5p-miR	7	+	38285319	38285338	TGAGGCAGGATGTCACTGTC	3981
TJU_CMC.ID03984.3p-miR	7	+	38741933	38741953	GACTTGTTCTCTGACCTCATC	3982
TJU_CMC.ID03985.3p-miR	7	-	38956308	38956329	TGAGGATCATGAAAAATGGAAC	3983
TJU_CMC.ID03986.3p-miR	7	+	39089913	39089934	TCTCCCGCTGAGTTGATGGGTC	3984
TJU_CMC.ID03987.5p-miR	7	-	39198181	39198202	TTGGACTCTGGGATTTCCACAT	3985
TJU_CMC.ID03988.3p-miR	7	+	39363192	39363212	CCCTCATTCTCTAATATTGGG	3986
TJU_CMC.ID03989.3p-miR	7	+	39440195	39440216	ACGCTGAGACCCTACAAACACT	3987
TJU_CMC.ID03990.3p-miR	7	-	39581681	39581701	GTACAGATCAAACTCCTCAAT	3988
TJU_CMC.ID03991.3p-miR	7	+	39663473	39663493	GGCGGCGGCGGGGGTGTGTCC	3989
TJU_CMC.ID03992.3p-miR	7	-	39766211	39766231	GAGCTTATCAAGTCAGCCTAG	3990
TJU_CMC.ID03993.5p-miR	7	-	39947642	39947661	GTCCAGTTTTCCCAGAACTA	3991
TJU_CMC.ID03994.5p-miR	7	-	40368550	40368569	GACTCTTAGCTGCGAGGTAA	3992
TJU_CMC.ID03995.3p-miR	7	-	40631739	40631758	TTTCAACTCATATTTAAACC	3993
TJU_CMC.ID03996.3p-miR	7	+	40954250	40954271	TTCACAGCTTAGAAGTTGGCGT	3994
TJU_CMC.ID03997.5p-miR	7	-	41179313	41179333	TGAGGTAGTGGTTTGTAAAGT	3995
TJU_CMC.ID03998.5p-miR	7	+	41330617	41330639	ATGAAGTTGTCTGGGCGTGGTGG	3996
TJU_CMC.ID03999.3p-miR	7	+	41476002	41476023	TCATCAGAGGGGATCAGGTGAG	3997
TJU_CMC.ID04000.5p-miR	7	-	41729452	41729473	TGAGTGCCCGAGCCATATAGCA	3998
TJU_CMC.ID04001.3p-miR	7	-	41744258	41744277	CCACCCCCACCCCACGTCAC	3999
TJU_CMC.ID04002.5p-miR	7	+	41791442	41791461	CCCTAAATTAGCTATGTAAG	4000
TJU_CMC.ID04003.5p-miR	7	+	42084758	42084779	TGTCAGTTCACTGGTATCCTTG	4001
TJU_CMC.ID04004.5p-miR	7	-	42715972	42715991	ACATTAGTCTGCACATGGCT	4002
TJU_CMC.ID04005.5p-miR	7	-	42768337	42768359	ACACTATAGTGGTGTTACTTACA	4003
TJU_CMC.ID04006.5p-miR	7	+	43125734	43125755	TGAAAGTAATCTGAAGCGAAAC	4004
TJU_CMC.ID04007.5p-miR	7	-	43152657	43152677	GCGAGAGGGTGGGGAGGAGGG	4005
TJU_CMC.ID04008.3p-miR	7	+	43484487	43484508	CGCCCAGGGCGGCAGCGCGGCA	4006
TJU_CMC.ID04009.5p-miR	7	-	44157113	44157133	GGGGGGAGTGGGGGGGGTGTGG	4007
TJU_CMC.ID04010.5p-miR	7	-	44220812	44220831	ACAAAAGACACCCCCCACCA	4008
TJU_CMC.ID04011.5p-miR	7	-	44440818	44440840	CCGCTTGCTGCATCACGTCTGCT	4009
TJU_CMC.ID04012.3p-miR	7	-	44654069	44654090	TTGGAGTCCCTGATGAAGGCAG	4010

Table 1. Novel miRNA sequences

TJU_CMC.ID04013.3p-miR	7	+	44836294	44836313	ACCGCCGAGGAAAACCGTGT	4011
TJU_CMC.ID04014.5p-miR	7	-	45013933	45013954	TCCCTGAGACAAGCACAGTGTC	4012
TJU_CMC.ID04015.5p-miR	7	+	45369815	45369834	TGAGGTAGTAGGTTTCTGTT	4013
TJU_CMC.ID04016.5p-miR	7	+	45484628	45484649	TTTGGCAATGGTAATAGTGACC	4014
TJU_CMC.ID04017.5p-miR	7	+	45619800	45619822	GTCCAGTGGGCCCAGGGGCTTTT	4015
TJU_CMC.ID04018.5p-miR	7	+	46012587	46012609	CCCTATGGCTGGTTTATGGGGCC	4016
TJU_CMC.ID04019.3p-miR	7	+	46020609	46020630	TAGTAGGGCAGTAGTGGGTAAG	4017
TJU_CMC.ID04020.3p-miR	7	-	46094273	46094294	GAGCTCAGTTCAGCAGAGGTGA	4018
TJU_CMC.ID04021.3p-miR	7	-	46383776	46383798	AGCTACATTGTATGCTGCTGGTA	4019
TJU_CMC.ID04022.3p-miR	7	+	46398888	46398909	ATGCTGCTGCTGCAGTAACCAA	4020
TJU_CMC.ID04023.5p-miR	7	+	46528497	46528518	TCCCCAGAGAAATAACTTGGTC	4021
TJU_CMC.ID04024.3p-miR	7	+	46693713	46693733	TGAGATGGGATGTTTCCGCTC	4022
TJU_CMC.ID04025.3p-miR	7	-	46998675	46998698	ACACCATCTGACGGTTTAGGAGAG	4023
TJU_CMC.ID04026.3p-miR	7	-	47543354	47543373	AACCTTGGGAAGTATATTTC	4024
TJU_CMC.ID04027.3p-miR	7	+	47847462	47847482	TAATACTGCCTGCATTTATGA	4025
TJU_CMC.ID04028.5p-miR	7	+	47952149	47952168	AGACCTGTGATCCTAGCACT	4026
TJU_CMC.ID04029.3p-miR	7	-	48073778	48073799	TACTGCAATGTCAAATGTTTGT	4027
TJU_CMC.ID04030.5p-miR	7	+	48311978	48311997	TGGATTTTTGGAGCAGGAAC	4028
TJU_CMC.ID04031.3p-miR	7	+	48346770	48346791	TGCATCATTAGGTGATATCATC	4029
TJU_CMC.ID04032.3p-miR	7	+	48815021	48815040	GTAACTGGGGAAACCTCCCC	4030
TJU_CMC.ID04033.3p-miR	7	-	50517550	50517569	AGGGCTCATACCTTTCAGGG	4031
TJU_CMC.ID04034.3p-miR	7	+	50633957	50633978	AGGAGTCTCAAAACCTCCACAG	4032
TJU_CMC.ID04035.3p-miR	7	+	50709755	50709777	TAGCTTGCTGAGTGTCTGGGAGT	4033
TJU_CMC.ID04036.5p-miR	7	+	50850322	50850341	CTCGGGGCCACCGCGCGCCA	4034
TJU_CMC.ID04037.3p-miR	7	-	50885440	50885459	ACTGGACTTGGAGTTGAGGA	4035
TJU_CMC.ID04038.5p-miR	7	+	51032005	51032025	CAGGCCCGCTCCCACATTGTG	4036
TJU_CMC.ID04039.5p-miR	7	+	51199908	51199930	TTTAGGCATGCTGGCTACTTCTG	4037
TJU_CMC.ID04040.3p-miR	7	-	51712437	51712458	GCACTGCCATTAGGGATTGAAC	4038
TJU_CMC.ID04041.5p-miR	7	+	51998919	51998939	CTAGAGGAAGTAAATCAGGTA	4039
TJU_CMC.ID04042.5p-miR	7	-	52329168	52329187	GCAGAGCTGGCCGAGTGGGC	4040
TJU_CMC.ID04043.3p-miR	7	+	54179928	54179948	TAGCCCAAGCTAAGATCCAGG	4041

Table 1. Novel miRNA sequences

TJU_CMC.ID04044.3p-miR	7	+	54313294	54313314	CCGGCTGGATCTAAGAGAGGC	4042
TJU_CMC.ID04045.5p-miR	7	+	54403336	54403357	AAGACATTGCCAGGGATTCAAG	4043
TJU_CMC.ID04046.3p-miR	7	+	54736655	54736676	ATATTTGCATTGAAAGCCAGGT	4044
TJU_CMC.ID04047.3p-miR	7	-	54795447	54795468	AAACCACATGGTATACTTCTGG	4045
TJU_CMC.ID04048.5p-miR	7	+	55028489	55028508	TCATACAGGGCTCCCTTCCC	4046
TJU_CMC.ID04049.3p-miR	7	-	55162623	55162644	AGAGGTTTATGGTTGCCGCTGC	4047
TJU_CMC.ID04050.3p-miR	7	-	55276195	55276214	CCTATGAATGTGAGCTCTCA	4048
TJU_CMC.ID04051.5p-miR	7	-	55410828	55410850	GTCCTCACTCTGGTCTCCGAAGA	4049
TJU_CMC.ID04052.3p-miR	7	+	55516510	55516532	AGCAGCATTGCCACCGCAGCCAC	4050
TJU_CMC.ID04053.5p-miR	7	-	55637539	55637561	TAGCACCATCCAGAATCTCACAT	4051
TJU_CMC.ID04054.3p-miR	7	-	56543522	56543541	CTCTTGTGCGGGATAATGTC	4052
TJU_CMC.ID04055.5p-miR	7	+	57166195	57166216	AGGTCTGGCAAGCATGACTACC	4053
TJU_CMC.ID04056.5p-miR	7	-	57611794	57611815	TTCTGATTGCAGTTTATGGTTG	4054
TJU_CMC.ID04057.3p-miR	7	-	58042096	58042118	GACATTTCGATCGCCTTGAGGCC	4055
TJU_CMC.ID04058.5p-miR	7	-	61820656	61820676	GCGGCGGCGGGGGGAGAAAGA	4056
TJU_CMC.ID04059.5p-miR	7	+	62073670	62073691	TAGCTTTCTGAGATGAACACAG	4057
TJU_CMC.ID04060.5p-miR	7	+	63418666	63418688	ATCGAATATCTCATGATCTTCTG	4058
TJU_CMC.ID04061.3p-miR	7	+	63610058	63610079	TTCTCAGATCTGATTAGCACCA	4059
TJU_CMC.ID04062.3p-miR	7	-	64914779	64914798	TGAGGCAATAACAGGTCTTT	4060
TJU_CMC.ID04063.5p-miR	7	+	65776583	65776604	TTACTAAACAGTTGCTTTTTGG	4061
TJU_CMC.ID04064.3p-miR	7	+	66202860	66202880	CTCTTGCTGCTCGGTGCCTAG	4062
TJU_CMC.ID04065.3p-miR	7	+	66223095	66223116	TGGAGAGAGGAATGACCTCTGA	4063
TJU_CMC.ID04066.5p-miR	7	+	66266279	66266298	TCCGTGAGCTATTTTGATCC	4064
TJU_CMC.ID04067.3p-miR	7	-	66970906	66970928	AGGACTGGACAGTTTATGGGGTG	4065
TJU_CMC.ID04068.5p-miR	7	+	66996271	66996293	TCCAACATAATAAATATCAATAG	4066
TJU_CMC.ID04069.5p-miR	7	-	67083678	67083699	CCCTTGAACTGGCAGAGTCAAC	4067
TJU_CMC.ID04070.5p-miR	7	-	67445135	67445154	GGAGCAACAGCATTAGGACG	4068
TJU_CMC.ID04071.5p-miR	7	-	67552072	67552092	TTCACAGTGGCTAAGCAGAGC	4069
TJU_CMC.ID04072.5p-miR	7	-	67755061	67755083	AATAAAACCTTTGCAACAGCAGA	4070
TJU_CMC.ID04073.5p-miR	7	-	67803582	67803601	TAGGAAATGCTCTTGTTGAT	4071
TJU_CMC.ID04074.3p-miR	7	-	68005458	68005478	TGAGTACTAGCACTGTAGCCA	4072

Table 1. Novel miRNA sequences

TJU_CMC.ID04075.5p-miR	7	-	68629061	68629082	AAACTAGGCACACATGACTCAA	4073
TJU_CMC.ID04076.3p-miR	7	-	68851070	68851093	TTGAGCAATAGATACGTTCCAGTA	4074
TJU_CMC.ID04077.5p-miR	7	+	69416218	69416240	TAATTATGAGGTATGGTGATCTC	4075
TJU_CMC.ID04078.3p-miR	7	-	70061015	70061038	CGGGCCCGGGGGAGGTCACCTGCA	4076
TJU_CMC.ID04079.5p-miR	7	-	70186918	70186939	ATCACAGCTAACTTTCGGAGGT	4077
TJU_CMC.ID04080.5p-miR	7	-	70345390	70345412	GAGTGTGATGTTGGGGACATGCC	4078
TJU_CMC.ID04081.3p-miR	7	-	70375107	70375126	GTAAAAGGATGAGCTGTTTA	4079
TJU_CMC.ID04082.3p-miR	7	-	70597235	70597256	CGGAAGACCCGCTCCCCCGGGC	4080
TJU_CMC.ID04083.3p-miR	7	+	70700313	70700334	TTTGTGACTTTATTGCACAGAA	4081
TJU_CMC.ID04084.5p-miR	7	+	70776675	70776696	TTTGTTATTCTTGAGATAGGCT	4082
TJU_CMC.ID04085.3p-miR	7	+	70822073	70822092	GTGGGAGTGTTTTTTGTGTG	4083
TJU_CMC.ID04086.3p-miR	7	+	71097493	71097512	ATCTACGACCAAGCTCAAAA	4084
TJU_CMC.ID04087.5p-miR	7	+	71710278	71710298	GTGCAGTACTGTGATGTGACT	4085
TJU_CMC.ID04088.5p-miR	7	-	71974389	71974410	GACTGGATAAGGCCAGGCGCGG	4086
TJU_CMC.ID04089.5p-miR	7	+	72814596	72814615	CTCCCCACTGCTGGGCCCAG	4087
TJU_CMC.ID04090.3p-miR	7	+	73213627	73213646	TGGGTCAGTTCAGCAAGAAC	4088
TJU_CMC.ID04091.5p-miR	7	+	73291443	73291465	CCCAGTTGGGCTCAGCCTGGCCT	4089
TJU_CMC.ID04092.3p-miR	7	+	73296099	73296119	TCATATGTCCTACTGTGCAGA	4090
TJU_CMC.ID04093.3p-miR	7	-	73508629	73508650	TGCTCACTTTCAGCAGCTGTGA	4091
TJU_CMC.ID04094.3p-miR	7	+	73645806	73645827	TCTCGAGGCTTCACATGGTCAC	4092
TJU_CMC.ID04095.5p-miR	7	-	74066080	74066101	TAGCACCAGTTGAAATAAACAG	4093
TJU_CMC.ID04096.5p-miR	7	+	75068391	75068410	TGGTATTTCATCTGGATGGA	4094
TJU_CMC.ID04097.3p-miR	7	-	75675293	75675314	TATCTTATCACTGACTGCATCT	4095
TJU_CMC.ID04098.5p-miR	7	-	75829407	75829427	TAGAAACCAGGAACATGGAGT	4096
TJU_CMC.ID04099.5p-miR	7	+	75933161	75933184	GGTGCTTCACGCGGAAATACACGT	4097
TJU_CMC.ID04100.5p-miR	7	+	75947513	75947536	CGGCCGCCCCCGGGGCGGGGCTAC	4098
TJU_CMC.ID04101.5p-miR	7	-	76829901	76829921	AGGACAGACACTGGCATAGCT	4099
TJU_CMC.ID04102.3p-miR	7	-	76899520	76899540	ATCATCGGTAACTTTCATAAA	4100
TJU_CMC.ID04103.5p-miR	7	-	76962711	76962730	CATGCTGGAGGCTATTGTCT	4101
TJU_CMC.ID04104.5p-miR	7	-	77740949	77740968	TGACCTATGAGCACTGTGTT	4102
TJU_CMC.ID04105.5p-miR	7	-	78024154	78024175	CTCTTTCCATTCCTGCAACTGT	4103

Table 1. Novel miRNA sequences

TJU_CMC.ID04106.3p-miR	7	-	79393665	79393686	TGATCTCATCTGATGCTAACAT	4104
TJU_CMC.ID04107.3p-miR	7	+	80281735	80281755	GTTGATGATGATGTTCTGAAA	4105
TJU_CMC.ID04108.3p-miR	7	-	81288413	81288433	TGGCTGTGATGAGTGAAATGG	4106
TJU_CMC.ID04109.5p-miR	7	-	82254267	82254290	ACTAGCAAGGCGCTGCAGTAGAGA	4107
TJU_CMC.ID04110.3p-miR	7	-	82377874	82377895	TGCTACAACACTGGGCGGGTAT	4108
TJU_CMC.ID04111.5p-miR	7	-	83005050	83005070	TCTCTTAGATCTATGATATCA	4109
TJU_CMC.ID04112.5p-miR	7	-	83330157	83330179	AATAATAGTGGATACCGTCCAGT	4110
TJU_CMC.ID04113.5p-miR	7	-	84200662	84200682	TATGACCATCACATGCTGACT	4111
TJU_CMC.ID04114.3p-miR	7	+	84266287	84266309	TTGATGGGGACATGCATGTCTGG	4112
TJU_CMC.ID04115.3p-miR	7	+	84521232	84521254	GCTTGGTTTCTCCAGGAATCAGA	4113
TJU_CMC.ID04116.5p-miR	7	-	85157639	85157660	ATCCCAGGGTTAACATGGTCTG	4114
TJU_CMC.ID04117.5p-miR	7	-	86306397	86306418	GCTCCAAACAGTTATACCAACA	4115
TJU_CMC.ID04118.3p-miR	7	-	86366548	86366567	TTTGGCCCTTAGAAAGCACT	4116
TJU_CMC.ID04119.3p-miR	7	+	86533445	86533466	AAAGTCAATGTGTTTGACTCAA	4117
TJU_CMC.ID04120.5p-miR	7	-	86578707	86578730	CCCCCACAGTAGCCGGCTTCATGG	4118
TJU_CMC.ID04121.3p-miR	7	+	86742331	86742354	ACAGCAAATAAAAGCCTGATCCAG	4119
TJU_CMC.ID04122.3p-miR	7	+	87831699	87831718	TTACATGTTAGCCAGCAGTA	4120
TJU_CMC.ID04123.3p-miR	7	-	88055920	88055941	ATCACATGATTGACACGGTCCA	4121
TJU_CMC.ID04124.5p-miR	7	+	88146340	88146360	TAGCACCATCTGATATATCAT	4122
TJU_CMC.ID04125.3p-miR	7	+	88295077	88295098	AAGTTGTATATTAGCATGAGTT	4123
TJU_CMC.ID04126.3p-miR	7	+	88452947	88452968	GTGAGCTGAGTACAATTGGGTA	4124
TJU_CMC.ID04127.3p-miR	7	-	88591193	88591212	CTTTTCATAGGAGATATGTC	4125
TJU_CMC.ID04128.3p-miR	7	-	90512112	90512132	ACTTCCAGGAAATTGTGTGGT	4126
TJU_CMC.ID04129.3p-miR	7	+	91008845	91008866	GAAAGTATAGTCTAGTGGGGTT	4127
TJU_CMC.ID04130.5p-miR	7	+	91452946	91452968	TTATTTTTTAACTTTTTTCTTCG	4128
TJU_CMC.ID04131.5p-miR	7	+	91675468	91675489	ATCACATTGCTGAACTCCATTG	4129
TJU_CMC.ID04132.3p-miR	7	+	92390097	92390118	TATATGTATTTCTTTAGGCAAT	4130
TJU_CMC.ID04133.5p-miR	7	-	92462873	92462892	CGGCGGCGGCGGCGACTCTG	4131
TJU_CMC.ID04134.3p-miR	7	-	92675702	92675724	ATCAGATAGTGACCCGCAAGCTG	4132
TJU_CMC.ID04135.5p-miR	7	-	92757154	92757173	GGCCAGTTTTCCCAAAAATC	4133
TJU_CMC.ID04136.5p-miR	7	-	93404486	93404507	TATACTTGCTCAGGATCCCAAT	4134

Table 1. Novel miRNA sequences

TJU_CMC.ID04137.5p-miR	7	-	93468881	93468903	TGCTGGTTTGTTGGGTGGGGGTT	4135
TJU_CMC.ID04138.3p-miR	7	+	93629945	93629964	GTTAGTCCAGGAGAAGGTGG	4136
TJU_CMC.ID04139.3p-miR	7	-	93866348	93866368	TGAGATGAAGTGTCAGGGTTT	4137
TJU_CMC.ID04140.3p-miR	7	+	93947961	93947982	AATCTGAGCTGGGTTTAGACTA	4138
TJU_CMC.ID04141.3p-miR	7	-	94302299	94302320	TTCAGACTTGGACTGATAGGGT	4139
TJU_CMC.ID04142.3p-miR	7	+	94819856	94819878	CACTGGTTTGCTGGGATTTTGCA	4140
TJU_CMC.ID04143.3p-miR	7	-	95328449	95328469	AGACTGGGTAGTTTATAATTG	4141
TJU_CMC.ID04144.5p-miR	7	-	95360990	95361010	GGCACGGACAGGATTGACATT	4142
TJU_CMC.ID04145.5p-miR	7	-	95760739	95760758	CACAGCATAAGAATAACTGT	4143
TJU_CMC.ID04146.5p-miR	7	-	96416433	96416452	TCTGGTTGGCTCTACCAATT	4144
TJU_CMC.ID04147.3p-miR	7	+	96490197	96490218	TGAGACAGGATGTCACTGCTCT	4145
TJU_CMC.ID04148.3p-miR	7	-	97104572	97104593	TAGTGATAATCCAGGATAACCT	4146
TJU_CMC.ID04149.5p-miR	7	+	97841681	97841700	CCCCGGGGAGGGGACGCCCG	4147
TJU_CMC.ID04150.3p-miR	7	+	97842179	97842198	AGAGGGCACCTAGCGCCCAG	4148
TJU_CMC.ID04151.3p-miR	7	+	97953513	97953533	TTACAGTACTGTGATTCAGTC	4149
TJU_CMC.ID04152.3p-miR	7	-	98536315	98536334	TAAATGTTCACCAGTGAGGC	4150
TJU_CMC.ID04153.3p-miR	7	-	98581732	98581751	CATGCTGAGAGCTATTCTCA	4151
TJU_CMC.ID04154.5p-miR	7	-	98593979	98593999	CAAGAGAGCCCGCCACGCGCT	4152
TJU_CMC.ID04155.5p-miR	7	-	98758986	98759006	AGTTCTTCAGTGGCTGATGGC	4153
TJU_CMC.ID04156.3p-miR	7	-	99781031	99781050	CCACATCCAAGCTTCCTTCC	4154
TJU_CMC.ID04157.3p-miR	7	+	99997215	99997234	GATCCCAAGCTAAATCCCAA	4155
TJU_CMC.ID04158.5p-miR	7	+	100066152	100066173	CATCATGGGTGACCCCTGGGAT	4156
TJU_CMC.ID04159.3p-miR	7	+	100128541	100128562	ATCGTGCCATTGAACGCCAGCC	4157
TJU_CMC.ID04160.3p-miR	7	-	100451819	100451839	GGTGAGCTCTCGCTGGCCATG	4158
TJU_CMC.ID04161.3p-miR	7	+	100489356	100489377	ATCACTGGTTTGACTTAATCCA	4159
TJU_CMC.ID04162.3p-miR	7	-	100944027	100944047	GAAGATGTAGATATGATGTGG	4160
TJU_CMC.ID04163.3p-miR	7	-	101044458	101044477	TCCAGACGGCTTGAAGGATC	4161
TJU_CMC.ID04164.5p-miR	7	+	101224652	101224673	GTCCTATCAACAACTACATGAG	4162
TJU_CMC.ID04165.3p-miR	7	+	101784576	101784595	CCCAGCCCTGCGGGGTACAG	4163
TJU_CMC.ID04166.5p-miR	7	+	101826070	101826092	TAGTCAACTGCACTGTACTTGCT	4164
TJU_CMC.ID04167.3p-miR	7	-	102475033	102475054	CACTAGTTAACTTTTATGGGGT	4165

Table 1. Novel miRNA sequences

TJU_CMC.ID04168.5p-miR	7	-	102646147	102646166	GAGGTCAAAAGGGTGAGGCT	4166
TJU_CMC.ID04169.3p-miR	7	-	103343685	103343707	TATCACTGGTCTGGTATGTTTGG	4167
TJU_CMC.ID04170.3p-miR	7	+	103438969	103438988	TAGCGGTTTGGCCTGTTACC	4168
TJU_CMC.ID04171.3p-miR	7	+	103459600	103459620	GCTTTCATAATCAGAGGTAAA	4169
TJU_CMC.ID04172.5p-miR	7	-	103798057	103798076	GAGCCATTGACTATGATGAA	4170
TJU_CMC.ID04173.3p-miR	7	+	103832747	103832767	TAGCCATGCAAGAACAACTTT	4171
TJU_CMC.ID04174.5p-miR	7	+	104324026	104324046	ATATTTAATACTCTTCTCTGA	4172
TJU_CMC.ID04175.5p-miR	7	-	104909988	104910009	ATATATTATCTCTGCTCGGTAA	4173
TJU_CMC.ID04176.3p-miR	7	-	105313911	105313932	TCAAGTGAGTAAGCCAGGTGCT	4174
TJU_CMC.ID04177.3p-miR	7	+	106027663	106027686	TCACAGTCTCCCGTGGAGGCGTGG	4175
TJU_CMC.ID04178.3p-miR	7	-	106061269	106061290	CATTATTATCCCCATCGTATAG	4176
TJU_CMC.ID04179.3p-miR	7	+	106243200	106243221	AAAGGCATTTTGCATGAGAGTT	4177
TJU_CMC.ID04180.3p-miR	7	-	106866795	106866816	ATTAATATGTGCACTTCTTCCA	4178
TJU_CMC.ID04181.3p-miR	7	+	107278842	107278863	TCCCCACTGCATTGCCCACAGT	4179
TJU_CMC.ID04182.3p-miR	7	-	107324192	107324214	TTTTAAGAAAATGAAGAAAAAAG	4180
TJU_CMC.ID04183.5p-miR	7	+	107528291	107528310	TCCCTCTCGGCGCCCCCTCG	4181
TJU_CMC.ID04184.3p-miR	7	+	108096051	108096070	CGATTCCCCGAGCCCTCTCC	4182
TJU_CMC.ID04185.3p-miR	7	-	108201647	108201666	CCATGGCACATGCCTAAGGT	4183
TJU_CMC.ID04186.3p-miR	7	-	108857000	108857020	CATTATTAGATTTGGTTACAT	4184
TJU_CMC.ID04187.3p-miR	7	+	109321144	109321164	TGACCTACAGGCACTGCCTAA	4185
TJU_CMC.ID04188.3p-miR	7	+	109419407	109419429	AGTTTTGTGTTCTAAAGATTTGT	4186
TJU_CMC.ID04189.3p-miR	7	+	109518976	109518996	AGGCATAGGTCTGCAAACAAA	4187
TJU_CMC.ID04190.5p-miR	7	-	110344639	110344660	AATAGCTTACCATGCAGTCTAA	4188
TJU_CMC.ID04191.3p-miR	7	+	110383933	110383953	TCACAGTGGCGCCTGGAACAC	4189
TJU_CMC.ID04192.3p-miR	7	+	110430559	110430578	AACTGCAATGGTAATGACAG	4190
TJU_CMC.ID04193.5p-miR	7	-	110654008	110654029	GTCCAGTTTTCCTGACTTGACC	4191
TJU_CMC.ID04194.5p-miR	7	-	110918649	110918670	AATCATGCCTTATTACTGAGTT	4192
TJU_CMC.ID04195.3p-miR	7	-	110934369	110934390	AGACAGTTTAGGTTTATGCCCA	4193
TJU_CMC.ID04196.3p-miR	7	-	112590629	112590648	TTATTAGTTAGCTTTAAGAG	4194
TJU_CMC.ID04197.5p-miR	7	+	113479513	113479534	TGATGATTGCATTGTGTTGACA	4195
TJU_CMC.ID04198.3p-miR	7	+	114723106	114723125	GGGCTGCATGGCTTCAAATC	4196

Table 1. Novel miRNA sequences

TJU_CMC.ID04199.3p-miR	7	+	115794250	115794271	TGTACTGGGTGACCTATGAAAT	4197
TJU_CMC.ID04200.5p-miR	7	-	116087221	116087240	GACTCTTCTGCCAGCTTTCT	4198
TJU_CMC.ID04201.3p-miR	7	-	116476476	116476499	ACCTCAGAGCCCTTGCTGTCTGTC	4199
TJU_CMC.ID04202.5p-miR	7	-	116707634	116707653	ACCATCCCCCAGGAGACAGC	4200
TJU_CMC.ID04203.3p-miR	7	-	116791260	116791281	AAAGGCAATGGTAAATCACTGA	4201
TJU_CMC.ID04204.3p-miR	7	+	117230292	117230312	ATCGATGTGGTGACCATATTG	4202
TJU_CMC.ID04205.3p-miR	7	+	118221764	118221785	TATTGCACTTTGAAATCAACTG	4203
TJU_CMC.ID04206.5p-miR	7	+	118630308	118630328	CTGAGAAGCATTGATCCAGGG	4204
TJU_CMC.ID04207.5p-miR	7	+	118883358	118883379	TCCATGTTTAATTGCATACAAC	4205
TJU_CMC.ID04208.3p-miR	7	-	119029654	119029673	ACCCTACTGATGATGTCAAC	4206
TJU_CMC.ID04209.5p-miR	7	+	119716383	119716404	TAGTTCATTAGGTCCTATGGAT	4207
TJU_CMC.ID04210.3p-miR	7	-	119750645	119750666	TGATGACCCTGAGCCGCAAAAC	4208
TJU_CMC.ID04211.3p-miR	7	-	120498012	120498031	GGCGGCGGCGGGGGGAGAGG	4209
TJU_CMC.ID04212.5p-miR	7	-	120779226	120779247	ACTTGTAATTTGACCTAATGGT	4210
TJU_CMC.ID04213.5p-miR	7	-	121297680	121297700	CCATGGCACAGTAATAAAATA	4211
TJU_CMC.ID04214.5p-miR	7	+	121503432	121503453	ACCAATGGCAAATGTCAGAGTT	4212
TJU_CMC.ID04215.3p-miR	7	+	121513798	121513819	CCCTCCCCGCCCCGCGCCCTCG	4213
TJU_CMC.ID04216.3p-miR	7	+	121864376	121864397	TATTTCCGCTAGACTGGAGGTG	4214
TJU_CMC.ID04217.5p-miR	7	-	121865943	121865964	ACCAGTGTTCAGAGATGGAGTT	4215
TJU_CMC.ID04218.5p-miR	7	-	123393558	123393579	ATGTTACATGGTAGCAGAGACC	4216
TJU_CMC.ID04219.5p-miR	7	+	123654391	123654411	CACTATAAGACTGTTGCATTA	4217
TJU_CMC.ID04220.3p-miR	7	-	123662955	123662976	TGACCTTAATCACTAGGCATAG	4218
TJU_CMC.ID04221.3p-miR	7	+	124005914	124005935	AGAGATGAAGCACTGATTGATG	4219
TJU_CMC.ID04222.3p-miR	7	+	124078106	124078127	ACAGCAGGCACAGATGACACTC	4220
TJU_CMC.ID04223.5p-miR	7	-	125030738	125030759	GACCTGATGCTGAGTTTTTGCT	4221
TJU_CMC.ID04224.3p-miR	7	-	126377278	126377298	TGATCTATCAAGTACAGGGTC	4222
TJU_CMC.ID04225.5p-miR	7	-	126413438	126413457	TCCTTAATGCTCTTGTGGTC	4223
TJU_CMC.ID04226.3p-miR	7	-	126825801	126825822	ACTACATTGCCAGGGATCCTGG	4224
TJU_CMC.ID04227.5p-miR	7	-	127259786	127259806	GGAGAGGGTAGTTTATGGGGT	4225
TJU_CMC.ID04228.3p-miR	7	+	127310778	127310799	TAGCTGGTCTTGAAATCCTGGC	4226
TJU_CMC.ID04229.5p-miR	7	+	127413736	127413755	TGTCTCCTCGAAAAAAAAATC	4227

Table 1. Novel miRNA sequences

TJU_CMC.ID04230.3p-miR	7	+	129072088	129072109	TCCTGTCTGCTACCACTGTTGG	4228
TJU_CMC.ID04231.5p-miR	7	+	129550849	129550868	CCCGAGGCCCTGAATCAAAC	4229
TJU_CMC.ID04232.3p-miR	7	+	130049420	130049442	CCCAGTGTTCAGACTTCCTGAGA	4230
TJU_CMC.ID04233.3p-miR	7	+	130713854	130713875	TAGCACCCACCAGGGCTGACAC	4231
TJU_CMC.ID04234.3p-miR	7	+	131012593	131012615	CCACGCCCCCTCCCCTCCTCCCG	4232
TJU_CMC.ID04235.3p-miR	7	-	131338411	131338433	CAGGAGTTTTCCCACCTGCTTTC	4233
TJU_CMC.ID04236.5p-miR	7	-	131497952	131497974	CTACACATATGTTCCAGGGGCCA	4234
TJU_CMC.ID04237.3p-miR	7	-	131635305	131635324	TATTAAAGTTGCTGCAGCTC	4235
TJU_CMC.ID04238.5p-miR	7	-	131787344	131787363	GCCCACCCCCGCGGAGGGCG	4236
TJU_CMC.ID04239.3p-miR	7	+	131832746	131832766	AACCATCTGGCACCTACAGGG	4237
TJU_CMC.ID04240.5p-miR	7	+	132178588	132178607	TTCACAGTGGCTAACAGTAC	4238
TJU_CMC.ID04241.3p-miR	7	+	132194069	132194088	TCTGGCCGTAGAGGTGGTAA	4239
TJU_CMC.ID04242.5p-miR	7	-	132298311	132298330	CCCCATTGCCATATCCACTC	4240
TJU_CMC.ID04243.3p-miR	7	+	132756256	132756278	AATGGCACGATCAGATTTACACT	4241
TJU_CMC.ID04244.5p-miR	7	-	132981558	132981577	TGCCCCATAGCCAAGCAAGC	4242
TJU_CMC.ID04245.3p-miR	7	+	133332458	133332478	CAGTCAAACAGTTTATCTACA	4243
TJU_CMC.ID04246.5p-miR	7	+	133352053	133352072	AGCAATGATGATGACTGACA	4244
TJU_CMC.ID04247.5p-miR	7	+	133394910	133394932	AGCAGCAATGGTGATAGTCTGGG	4245
TJU_CMC.ID04248.5p-miR	7	-	133894128	133894147	AGCTTGCTGAGAATCGCCAG	4246
TJU_CMC.ID04249.3p-miR	7	-	134305801	134305820	GTGGCCAAATGGTCCAAAAC	4247
TJU_CMC.ID04250.5p-miR	7	-	134408237	134408258	TGAGTCATTAGTGAATCAAATG	4248
TJU_CMC.ID04251.5p-miR	7	-	134633747	134633766	GTCCAGTTTTCCCAAGGCCC	4249
TJU_CMC.ID04252.3p-miR	7	+	135018917	135018936	TGGCTCAGCCTGATAAAGGA	4250
TJU_CMC.ID04253.5p-miR	7	-	135126322	135126343	TAGCACCATTTGATTATTTTCAG	4251
TJU_CMC.ID04254.5p-miR	7	+	135325347	135325369	GTCTAGGCTTTTTCGTTTTATGC	4252
TJU_CMC.ID04255.3p-miR	7	+	135500869	135500890	TGAGATGAAGCTGACATCAAGG	4253
TJU_CMC.ID04256.5p-miR	7	-	135509460	135509481	TAAATGCTCAAAGCGTCCTCTC	4254
TJU_CMC.ID04257.3p-miR	7	-	135517331	135517352	ATTGTGCTGCCACCGATCCTTG	4255
TJU_CMC.ID04258.5p-miR	7	+	135861290	135861310	GCTATTGAAGCCTTGCTATCC	4256
TJU_CMC.ID04259.3p-miR	7	+	136327313	136327332	AGATCACACAACTGCGCTAC	4257
TJU_CMC.ID04260.5p-miR	7	-	136335072	136335095	AGAAGCATTAGGCTCTATCATCTA	4258

Table 1. Novel miRNA sequences

TJU_CMC.ID04261.3p-miR	7	+	136589741	136589761	GTACAGTACTGTGATGATAGC	4259
TJU_CMC.ID04262.5p-miR	7	+	137044244	137044263	GTTGTAATTGATCCTCAGGA	4260
TJU_CMC.ID04263.5p-miR	7	-	138487690	138487710	CGATCCAGCCGTACTCGTCCA	4261
TJU_CMC.ID04264.5p-miR	7	-	138507093	138507113	TGAGAACTTCGTGACTAGGCA	4262
TJU_CMC.ID04265.5p-miR	7	-	138803286	138803305	CTTGCAGTGATGCAGGTTCG	4263
TJU_CMC.ID04266.5p-miR	7	+	138909138	138909159	CAGGAATACAGACACTGTAACT	4264
TJU_CMC.ID04267.5p-miR	7	+	138985591	138985614	TGGAGACTGGGAGCAAAGTGTCAA	4265
TJU_CMC.ID04268.5p-miR	7	-	139109973	139109992	ATCACAGGTAAGAAAGTCTT	4266
TJU_CMC.ID04269.5p-miR	7	-	139211836	139211855	CCCAGCAAGGCTCCAGCACG	4267
TJU_CMC.ID04270.3p-miR	7	-	139470103	139470125	GTTATAATGCCGAGGTTGTGAGT	4268
TJU_CMC.ID04271.5p-miR	7	-	139750713	139750735	TCTCTTATTGAGTTGTGTTTTGT	4269
TJU_CMC.ID04272.3p-miR	7	+	139923487	139923509	GTCCTCAAAAGGGTCCCCGACAT	4270
TJU_CMC.ID04273.3p-miR	7	+	140814632	140814651	TCCCTGTCCTCCAAGAGCTT	4271
TJU_CMC.ID04274.3p-miR	7	-	140963869	140963890	CTGAATGCCTAGGCTCAGGTGT	4272
TJU_CMC.ID04275.3p-miR	7	-	141346801	141346820	GACAACCACCAAGTCACCAG	4273
TJU_CMC.ID04276.5p-miR	7	+	141364142	141364164	AGCAGCACCAGCCAGGAAAGGGA	4274
TJU_CMC.ID04277.5p-miR	7	+	141674132	141674153	CATGCAATCATCATTATTATGC	4275
TJU_CMC.ID04278.5p-miR	7	-	142157388	142157408	TCGGCTGTGTATCTCTGTGCC	4276
TJU_CMC.ID04279.3p-miR	7	-	142176308	142176329	CCACAGCGTGGCACAGTCGCCT	4277
TJU_CMC.ID04280.5p-miR	7	-	142428780	142428801	TACCAGAACATATTTTCATGGT	4278
TJU_CMC.ID04281.5p-miR	7	-	142699785	142699807	ATTCTCCTTGCCACTGTCCACTG	4279
TJU_CMC.ID04282.3p-miR	7	+	143079665	143079686	CTCTGACCTCTGACCCTCTAGC	4280
TJU_CMC.ID04283.3p-miR	7	+	143087648	143087671	CCCTCACCCTTCCTTCTTCCCAGG	4281
TJU_CMC.ID04284.5p-miR	7	-	143167119	143167140	TCACAGTTCACTGGGCGTTTCT	4282
TJU_CMC.ID04285.5p-miR	7	-	143663953	143663974	TCTCCCAACCCTTGATGGATGA	4283
TJU_CMC.ID04286.5p-miR	7	+	144124280	144124303	ATGCAAGAGGTGGCTTTTCATGGT	4284
TJU_CMC.ID04287.5p-miR	7	-	144434511	144434531	ATGTGCTATAGGCCAGTGGTT	4285
TJU_CMC.ID04288.3p-miR	7	-	144660210	144660230	GTCCAGTGGGAAACTGAAGCT	4286
TJU_CMC.ID04289.5p-miR	7	-	145378002	145378022	AGCAGCATTGTACAGTATACT	4287
TJU_CMC.ID04290.5p-miR	7	-	145614176	145614198	TGACCAGCTGAGTCAGCAGCAGT	4288
TJU_CMC.ID04291.5p-miR	7	-	146447250	146447271	TAAGAATATGAGTTGATGTTGA	4289

Table 1. Novel miRNA sequences

TJU_CMC.ID04292.3p-miR	7	+	146527498	146527517	ATGTTCATTGTGTGATAATT	4290
TJU_CMC.ID04293.5p-miR	7	+	146998900	146998919	ATTATGAATTGTCTAGAGAG	4291
TJU_CMC.ID04294.3p-miR	7	+	147242739	147242759	TCCACACAAGTCTGATGGTTA	4292
TJU_CMC.ID04295.5p-miR	7	-	147698113	147698134	CTGACATGAGACAGAAAGGACA	4293
TJU_CMC.ID04296.3p-miR	7	-	147744577	147744599	CGCAGTGTTGAGTGTCGTCCAGT	4294
TJU_CMC.ID04297.3p-miR	7	-	148595795	148595815	TACCTGGTTGATCCTGACAGT	4295
TJU_CMC.ID04298.5p-miR	7	+	148609126	148609145	ACAAGGTATCACGCTGTGTG	4296
TJU_CMC.ID04299.5p-miR	7	+	148680846	148680869	CGGCTGGTCCGAGTGCAGTGGTGT	4297
TJU_CMC.ID04300.3p-miR	7	-	148801401	148801420	CAGCACCTGAAGGTCCACAC	4298
TJU_CMC.ID04301.3p-miR	7	-	148808029	148808048	CGGGGGTGTTGGCGCATGCC	4299
TJU_CMC.ID04302.5p-miR	7	+	148973381	148973400	CACCACCTTGTGATGCTTGG	4300
TJU_CMC.ID04303.5p-miR	7	-	148997871	148997892	AGAATGAAACGCATATGCATGT	4301
TJU_CMC.ID04304.5p-miR	7	-	149174320	149174339	CATACTGATGATGTCTGAGC	4302
TJU_CMC.ID04305.5p-miR	7	-	150218684	150218703	CTGCAATGAGCATTATTATA	4303
TJU_CMC.ID04306.3p-miR	7	-	150347923	150347945	CGCGCGTGTGTGTGTATGATGGA	4304
TJU_CMC.ID04307.3p-miR	7	-	150413627	150413648	AGCTCAGGGTGGGGCCCCATGGT	4305
TJU_CMC.ID04308.5p-miR	7	-	150600934	150600953	CCCAGTGTGACTCAGCAGTG	4306
TJU_CMC.ID04309.5p-miR	7	-	150664475	150664497	AGCCTTCCGTATGTCTTAGCGTC	4307
TJU_CMC.ID04310.5p-miR	7	-	150685436	150685456	CACATATATCCATGCATGCAT	4308
TJU_CMC.ID04311.3p-miR	7	-	150753143	150753166	GTATGGTCCAGGAAGGTGGGGACC	4309
TJU_CMC.ID04312.3p-miR	7	-	150945468	150945490	GGCGCTCCCGCTCTCCCACCCCT	4310
TJU_CMC.ID04313.5p-miR	7	-	151439920	151439940	GAGTCAAACAGAAAGACCCCA	4311
TJU_CMC.ID04314.5p-miR	7	-	151508885	151508904	TACCTTTAGCTCTTGTTGGG	4312
TJU_CMC.ID04315.3p-miR	7	+	152280412	152280431	CCCTCATTCTCTAATATCCC	4313
TJU_CMC.ID04316.3p-miR	7	+	153110874	153110893	TCCCGGGTTTCGGCACCAAT	4314
TJU_CMC.ID04317.5p-miR	7	-	153632169	153632190	TCAGCACCCACTGGGATGGGCA	4315
TJU_CMC.ID04318.3p-miR	7	+	154131582	154131603	TCTCCTGCATCTGACGTGCTCT	4316
TJU_CMC.ID04319.3p-miR	7	+	154432678	154432699	TAGCTTCAGTCTTTGCAACCAG	4317
TJU_CMC.ID04320.3p-miR	7	-	155151634	155151653	TCCCCGGCATCTCAGTGGTG	4318
TJU_CMC.ID04321.5p-miR	7	-	155170787	155170807	TCTGGACGCGAGCTGGGCATC	4319
TJU_CMC.ID04322.5p-miR	7	+	155246782	155246804	CCCACCCCTGCTCCCCGCGCCCC	4320

Table 1. Novel miRNA sequences

TJU_CMC.ID04323.5p-miR	7	+	155353374	155353393	AAATCGATAGCCCGGGTGGT	4321
TJU_CMC.ID04324.5p-miR	7	+	155388044	155388064	CTGATACATTCTTCCAGCAAC	4322
TJU_CMC.ID04325.3p-miR	7	-	155647551	155647573	TGTGCAAATCTATATGGAACTGA	4323
TJU_CMC.ID04326.5p-miR	7	+	155752446	155752465	TAATATTACACAGTATAGCA	4324
TJU_CMC.ID04327.3p-miR	7	-	155928698	155928718	TTCAGCAGTCAAAGGAGGCGT	4325
TJU_CMC.ID04328.3p-miR	7	+	156016196	156016218	TGGCTCACCCTCTATCAGTGTCA	4326
TJU_CMC.ID04329.3p-miR	7	+	156447677	156447698	CGGCTGTGCAGACAACTGGGGG	4327
TJU_CMC.ID04330.5p-miR	7	+	156645215	156645238	TTCAAGTAATCCTTTAGAGATCTA	4328
TJU_CMC.ID04331.3p-miR	7	+	156916550	156916571	AGCTTTGGTTTCCACGTTTGTA	4329
TJU_CMC.ID04332.5p-miR	7	+	157224037	157224057	AGACCGTTACCATGACTGGCG	4330
TJU_CMC.ID04333.5p-miR	7	+	157343441	157343462	TTTCTTTTGCGGCAGCCCGTGA	4331
TJU_CMC.ID04334.3p-miR	7	+	157367398	157367417	AACGCTGCAGCATGAAGATG	4332
TJU_CMC.ID04335.3p-miR	7	-	157768208	157768227	CGTCTCCTCGTGGGGCCGTG	4333
TJU_CMC.ID04336.5p-miR	7	+	157889331	157889351	TAGCTTGCACCTTTGCAACTG	4334
TJU_CMC.ID04337.3p-miR	7	-	158177738	158177759	GAAACTCCATTAGGGGACGTTG	4335
TJU_CMC.ID04338.3p-miR	7	-	158179426	158179446	TGGGCTTTCTGTTTTTTGTTG	4336
TJU_CMC.ID04339.3p-miR	7	+	158480071	158480090	TCCCGTGGATCATTTTGATG	4337
TJU_CMC.ID04340.5p-miR	7	+	158612579	158612599	AGCATAATGAAAACCATCATA	4338
TJU_CMC.ID04341.5p-miR	8	+	371086	371105	GGGCAGGCAGGCATTACTGC	4339
TJU_CMC.ID04342.5p-miR	8	+	597041	597060	CCCAGTGTTCAGGTGTGGAC	4340
TJU_CMC.ID04343.5p-miR	8	+	638269	638289	CCGCCCGTCCCCCGCCCCGCCC	4341
TJU_CMC.ID04344.3p-miR	8	+	666470	666489	CCACCCCGCGCCCTCTGGGA	4342
TJU_CMC.ID04345.3p-miR	8	+	1163182	1163201	TAGCTGTTTTGCGGGTGTCA	4343
TJU_CMC.ID04346.3p-miR	8	-	1362433	1362454	ATCACATGCTCAGGGCGCCATG	4344
TJU_CMC.ID04347.5p-miR	8	+	1833968	1833989	TGTCTCAAACTCTGCATCCACT	4345
TJU_CMC.ID04348.5p-miR	8	+	1882366	1882385	CACCTGTAGTGGATGTGGTG	4346
TJU_CMC.ID04349.5p-miR	8	+	1949724	1949744	GCCCGGGGAGCCCGCGCCCGT	4347
TJU_CMC.ID04350.3p-miR	8	+	1959355	1959375	CCTCTGGGCCCGGAAGAGTCA	4348
TJU_CMC.ID04351.5p-miR	8	+	2006923	2006944	TCCCTGAGACACTAGCTACACT	4349
TJU_CMC.ID04352.3p-miR	8	+	2035338	2035359	TCATTCCCCTCATCTTCCACCA	4350
TJU_CMC.ID04353.3p-miR	8	-	2067608	2067630	AGCAGCCCCTTGCATGGCTGTGC	4351

Table 1. Novel miRNA sequences

TJU_CMC.ID04354.3p-miR	8	+	3640470	3640491	TCTAAACCAAATTGTAGGTACA	4352
TJU_CMC.ID04355.3p-miR	8	-	3755165	3755187	ATTATTAACGATTATGGTGATAA	4353
TJU_CMC.ID04356.5p-miR	8	-	3805381	3805400	GACATAAGTTGAAAAGGCTG	4354
TJU_CMC.ID04357.3p-miR	8	+	4182619	4182638	TAACCCACTTGATGATACTG	4355
TJU_CMC.ID04358.5p-miR	8	+	4330955	4330974	ATTATTTTGTTTCATAAGCA	4356
TJU_CMC.ID04359.3p-miR	8	-	4649031	4649051	TATACAACTTTAGGGGATTGG	4357
TJU_CMC.ID04360.3p-miR	8	+	4766525	4766546	AAAGGCTGACATGTATTGGTTA	4358
TJU_CMC.ID04361.5p-miR	8	+	4776583	4776602	TGAGGTAGTAGTTTGTTAAA	4359
TJU_CMC.ID04362.5p-miR	8	+	4785010	4785032	TAGCTTAGCTCTGCGATGCCAGT	4360
TJU_CMC.ID04363.3p-miR	8	+	4947778	4947800	AATGATGCCAGCACTAATCTATT	4361
TJU_CMC.ID04364.3p-miR	8	+	5073831	5073852	ACCCTGAGTATCTATGAACACT	4362
TJU_CMC.ID04365.3p-miR	8	+	5371659	5371679	TCATGGTGCTTTTAGTCACTA	4363
TJU_CMC.ID04366.3p-miR	8	+	5473212	5473231	TACGTTGGATTGTAGTGGGT	4364
TJU_CMC.ID04367.3p-miR	8	+	5743307	5743327	AGCTACATTAGAGTATGGCCA	4365
TJU_CMC.ID04368.3p-miR	8	+	6154211	6154231	ACCGCACCCGGCCCGGACACC	4366
TJU_CMC.ID04369.3p-miR	8	-	6689969	6689950	TGCTGTTTTGATTTGTTGGT	4367
TJU_CMC.ID04370.5p-miR	8	+	6812043	6812022	CGATGTTGTCTGAAGCCATGGC	4368
TJU_CMC.ID04371.3p-miR	8	+	7000053	7000073	CCTGCGACCCCAAGGGGCAAC	4369
TJU_CMC.ID04372.3p-miR	8	-	7008668	7008687	CCTAGCTGAGATAGCGGTGT	4370
TJU_CMC.ID04373.5p-miR	8	+	8560122	8560142	TTCGAGGCCCAGCCCGTGCTG	4371
TJU_CMC.ID04374.3p-miR	8	-	8580944	8580963	GGCGCGGCAGGGGCCGGCGG	4372
TJU_CMC.ID04375.3p-miR	8	-	8610302	8610321	GCCAGGTTGGCGAGACTGGT	4373
TJU_CMC.ID04376.5p-miR	8	+	8646928	8646947	GATGATGCCACGTGAGACAT	4374
TJU_CMC.ID04377.5p-miR	8	-	8729493	8729515	TAGCTCATTTCTGGAATGGGGCA	4375
TJU_CMC.ID04378.3p-miR	8	+	9151678	9151700	GGAACTGGGAGGGTCCATAGGGA	4376
TJU_CMC.ID04379.3p-miR	8	-	9211894	9211913	ATACGACTCTTAGGCCAAAT	4377
TJU_CMC.ID04380.5p-miR	8	-	10002322	10002344	AGTCAGATGTGCCAATCCCCCAA	4378
TJU_CMC.ID04381.3p-miR	8	+	10018452	10018471	GCAGCATTAATTAACATTGC	4379
TJU_CMC.ID04382.5p-miR	8	-	10492762	10492785	TGCTGAGGCTAACGGGTCAGTTGG	4380
TJU_CMC.ID04383.3p-miR	8	+	10636513	10636534	ATCACATGATTGAAATGGGAAT	4381
TJU_CMC.ID04384.3p-miR	8	+	10718148	10718169	CTCCTGACCAATGTCAGCATGT	4382

Table 1. Novel miRNA sequences

TJU_CMC.ID04385.5p-miR	8	-	10774076	10774098	CGACTCTTAGCGGTTGGATCAGT	4383
TJU_CMC.ID04386.3p-miR	8	-	10890211	10890232	TAGCTGCAGTCTGCAATGGCCC	4384
TJU_CMC.ID04387.5p-miR	8	-	11065134	11065155	TCGAGGAGCTCACAGCTCAGGC	4385
TJU_CMC.ID04388.3p-miR	8	+	11619735	11619754	GGCGGCGGGGGTGTGTGTGG	4386
TJU_CMC.ID04389.5p-miR	8	+	12751243	12751262	GCTGAGAGCTATTGTTGCTG	4387
TJU_CMC.ID04390.5p-miR	8	+	14001569	14001588	GGACTTGCCAACTCTTGGCA	4388
TJU_CMC.ID04391.3p-miR	8	+	15552660	15552680	TAGCACCATCTGATATGGTTT	4389
TJU_CMC.ID04392.5p-miR	8	+	16267041	16267063	TAGTCATACAAAGGTGGTTTTGG	4390
TJU_CMC.ID04393.5p-miR	8	-	16469676	16469696	CCCCCCGTTCCCCCCTCAAAA	4391
TJU_CMC.ID04394.3p-miR	8	-	16628647	16628667	CTCACACAATAGGTAGCTCTA	4392
TJU_CMC.ID04395.5p-miR	8	+	16702575	16702595	GCCTATCGATAAAAGGAAAGC	4393
TJU_CMC.ID04396.5p-miR	8	+	17010884	17010903	AGCAGCAGGTGCGTCCACGC	4394
TJU_CMC.ID04397.5p-miR	8	+	17050541	17050562	AGTACCGTGCTATTTAGGTTAC	4395
TJU_CMC.ID04398.5p-miR	8	-	17175029	17175050	AGGGACTCTGGGATCAGGAGTA	4396
TJU_CMC.ID04399.3p-miR	8	-	17292415	17292436	TCTGAGTAAAGGTCAGCTCAGA	4397
TJU_CMC.ID04400.3p-miR	8	+	17386692	17386714	CACTCTGTTCAGTAGCACTGGTT	4398
TJU_CMC.ID04401.5p-miR	8	-	18405142	18405161	TGCCCCTCACAAAAAACAAC	4399
TJU_CMC.ID04402.5p-miR	8	-	18871329	18871348	CCGCCCCCGGGGCCCGCCAC	4400
TJU_CMC.ID04403.5p-miR	8	+	19827150	19827171	TAGCATACACGTGCACAACGTG	4401
TJU_CMC.ID04404.3p-miR	8	-	20151743	20151763	ACATCTGTTGACTTAGAAACT	4402
TJU_CMC.ID04405.5p-miR	8	+	20488894	20488916	TGTGCAAATCCATGGTTCAGACT	4403
TJU_CMC.ID04406.3p-miR	8	-	20511035	20511057	TTCCTTATCGCTGTGATGGGGAC	4404
TJU_CMC.ID04407.5p-miR	8	+	20694231	20694252	CTTCTGAATCCTGTTAGCAGCT	4405
TJU_CMC.ID04408.3p-miR	8	-	21548768	21548790	TGTGCAGGCTCGCACATGTTCAC	4406
TJU_CMC.ID04409.5p-miR	8	-	21630793	21630815	TGTCAGCATCATAACCCCCAGTG	4407
TJU_CMC.ID04410.5p-miR	8	+	21715177	21715196	GCATTATTTCTAACCGGGGA	4408
TJU_CMC.ID04411.5p-miR	8	+	21881666	21881686	CGCGGCGCCTCGCCTCCCGGC	4409
TJU_CMC.ID04412.5p-miR	8	-	21978374	21978397	GGGGCCGGGGGCTTCGAGCTGGCCC	4410
TJU_CMC.ID04413.3p-miR	8	+	22068922	22068941	CCCACGCCTCCTCCCCTCCC	4411
TJU_CMC.ID04414.3p-miR	8	+	22378664	22378686	GGCTGGTTTGGGTTTATGTTTGG	4412
TJU_CMC.ID04415.5p-miR	8	-	22430078	22430098	CCCCCCCAGTAGCCCGGCCGG	4413

Table 1. Novel miRNA sequences

TJU_CMC.ID04416.5p-miR	8	+	22702322	22702343	CCCCTGCTCAAAGCCATTGGTC	4414
TJU_CMC.ID04417.5p-miR	8	+	23031303	23031322	TGTGCTCACACTCCTCAGAC	4415
TJU_CMC.ID04418.3p-miR	8	-	23156460	23156480	TCTGCCCTGCTTCTCCCTAGG	4416
TJU_CMC.ID04419.3p-miR	8	-	23207292	23207314	TGGGTCCTCAAACATGGTTGGAA	4417
TJU_CMC.ID04420.3p-miR	8	-	24072888	24072909	TCTCAACCACAGTTGGGTTTTG	4418
TJU_CMC.ID04421.5p-miR	8	-	24460425	24460446	TTCAAATAATCCTCCTATCTTG	4419
TJU_CMC.ID04422.3p-miR	8	+	24532522	24532543	TAGCTTATACTCACAAAGAACT	4420
TJU_CMC.ID04423.3p-miR	8	-	25677616	25677636	TACCACAGGGTAGAACAGGAG	4421
TJU_CMC.ID04424.5p-miR	8	-	25689468	25689490	TAGCTTATGTCTGAAGCAGGCAG	4422
TJU_CMC.ID04425.3p-miR	8	-	25898409	25898428	CCGGCGCCTAGCAGCCGGCT	4423
TJU_CMC.ID04426.3p-miR	8	-	26352752	26352775	TAATAATTGCTTTATGGTCTATAG	4424
TJU_CMC.ID04427.3p-miR	8	+	26500915	26500937	GCATTGTGTTGGACTGAACCTTG	4425
TJU_CMC.ID04428.3p-miR	8	+	26618570	26618592	TAAGTGACAGACCATTGCTGCCA	4426
TJU_CMC.ID04429.3p-miR	8	-	27370747	27370768	TAGCTTTAAGTCCCAGAAAAGC	4427
TJU_CMC.ID04430.3p-miR	8	-	27473559	27473578	GTGATTAGTCCGAGGTCACC	4428
TJU_CMC.ID04431.3p-miR	8	-	27780850	27780872	TGGCTTATCAGAAGTCGTGAGAA	4429
TJU_CMC.ID04432.3p-miR	8	+	28208131	28208152	AGCTACATGTCTGGGCCCCATA	4430
TJU_CMC.ID04433.5p-miR	8	+	28417954	28417974	ATCCATGGGCAGGTTGTTCAT	4431
TJU_CMC.ID04434.5p-miR	8	+	29144652	29144672	TGAAGAAACAGAGGTGACAAC	4432
TJU_CMC.ID04435.5p-miR	8	-	29439900	29439922	TACCTTATCATCACAGCACACTG	4433
TJU_CMC.ID04436.5p-miR	8	-	29499055	29499075	TAGCAATGTCTGCCATGCATA	4434
TJU_CMC.ID04437.3p-miR	8	-	29541555	29541575	TAGCAGCATCTGAGGCTAACC	4435
TJU_CMC.ID04438.3p-miR	8	-	30508334	30508353	TTACACTGTTAGCCAGGATG	4436
TJU_CMC.ID04439.5p-miR	8	+	30635367	30635386	GGCAGCTGCTATACAAGCTA	4437
TJU_CMC.ID04440.5p-miR	8	-	31204834	31204853	TTTCAACTTATATTGCTTGT	4438
TJU_CMC.ID04441.3p-miR	8	-	32330316	32330338	TCAGCATTTCTTTACAGTGTTAT	4439
TJU_CMC.ID04442.5p-miR	8	-	32827619	32827640	CAAGCTTCTTTATATATTTGGC	4440
TJU_CMC.ID04443.3p-miR	8	-	32887924	32887943	TATATTTACAACTGCGGTAT	4441
TJU_CMC.ID04444.3p-miR	8	-	33168471	33168493	TAGCTTAAGTCTCTGATGACATT	4442
TJU_CMC.ID04445.3p-miR	8	+	33202466	33202487	CTACATGGGTCCCAGGAATAAA	4443
TJU_CMC.ID04446.3p-miR	8	-	34025406	34025427	TAGCACCATGACTAACTAATTC	4444

Table 1. Novel miRNA sequences

TJU_CMC.ID04447.5p-miR	8	-	34036071	34036091	TGATCATAGTAGCCTGGAATG	4445
TJU_CMC.ID04448.3p-miR	8	+	34296078	34296099	TATTGCACTTGTCCCACGGTCT	4446
TJU_CMC.ID04449.5p-miR	8	-	34513870	34513891	ACAGTAGCTCATGGGCCAAAAC	4447
TJU_CMC.ID04450.3p-miR	8	-	35465537	35465560	TATAAAGTATGAGGCCATGCAGGA	4448
TJU_CMC.ID04451.3p-miR	8	-	35608431	35608452	GGCAGTTACAGTGGCGTGGGTT	4449
TJU_CMC.ID04452.3p-miR	8	-	35730092	35730113	TAGCTTATCAAGTTGCAAAACT	4450
TJU_CMC.ID04453.5p-miR	8	-	35837809	35837830	GCTACTACATGCCATCCACATA	4451
TJU_CMC.ID04454.5p-miR	8	-	36262587	36262606	AAGGAAGGCAGCAGATATTT	4452
TJU_CMC.ID04455.3p-miR	8	+	36314402	36314421	GGCCATATCTAGCAGAAGAG	4453
TJU_CMC.ID04456.5p-miR	8	+	36844249	36844271	TTCACATTGGCTCCTAAGTACCC	4454
TJU_CMC.ID04457.5p-miR	8	-	37104830	37104850	GTCACCAGCTACTGAAGGTGA	4455
TJU_CMC.ID04458.3p-miR	8	-	37158519	37158541	CCTTCACAAGTCTGATGGTCAAT	4456
TJU_CMC.ID04459.5p-miR	8	+	37179508	37179530	GTCATCAAAAGGGAGGAAACCCT	4457
TJU_CMC.ID04460.5p-miR	8	+	37357304	37357323	ATATAGTGTGGTCTATAGCA	4458
TJU_CMC.ID04461.3p-miR	8	+	37524419	37524440	ATCGTGCCATTGAAATCCAGCT	4459
TJU_CMC.ID04462.3p-miR	8	-	37675960	37675982	TGCTCAGGGTGCACTTGCTATGC	4460
TJU_CMC.ID04463.3p-miR	8	-	37939331	37939354	CTCTGATTGTCCCGCAACAGCAGA	4461
TJU_CMC.ID04464.3p-miR	8	+	38046910	38046929	CGTACAGTCAAAATAACGTG	4462
TJU_CMC.ID04465.3p-miR	8	+	38415151	38415170	GCAAGTTGGTATCCTGCCCC	4463
TJU_CMC.ID04466.3p-miR	8	-	39775282	39775303	CTGTGCAATGTTGCCCTGGCAT	4464
TJU_CMC.ID04467.5p-miR	8	+	39913448	39913469	TGGAAACTGCCTACATGGTCAC	4465
TJU_CMC.ID04468.5p-miR	8	+	39953782	39953803	TTAGAAGATCTGTGAAGAAACT	4466
TJU_CMC.ID04469.3p-miR	8	-	39958275	39958296	CCCAAGTAATCCAGCTTACTAG	4467
TJU_CMC.ID04470.5p-miR	8	-	40172374	40172394	CTTACTCTGCTCAATCGCTAG	4468
TJU_CMC.ID04471.3p-miR	8	+	40483323	40483342	CATCTGCATAAAGACCAGAC	4469
TJU_CMC.ID04472.3p-miR	8	-	40811866	40811887	CAGCTGGCTGAGGGATGGGGTG	4470
TJU_CMC.ID04473.3p-miR	8	+	40844769	40844791	ATAGGTTAGATAGGTGATACAGA	4471
TJU_CMC.ID04474.3p-miR	8	+	40845580	40845600	AGGATGGGGTGGGATAGGATC	4472
TJU_CMC.ID04475.5p-miR	8	-	41059132	41059153	TCAGGCTCAGTCCCCTCCATGA	4473
TJU_CMC.ID04476.5p-miR	8	+	41394144	41394164	ATATCTGGATATTGGCTTCCC	4474
TJU_CMC.ID04477.5p-miR	8	-	41456048	41456071	TGGTAGAGAGTTCATATCTGGCCC	4475

Table 1. Novel miRNA sequences

TJU_CMC.ID04478.3p-miR	8	-	41511603	41511622	CCCGGCCCCGTCCGCCCCGC	4476
TJU_CMC.ID04479.5p-miR	8	-	41515613	41515634	GGAGGATAATTTGAGATGAGCC	4477
TJU_CMC.ID04480.5p-miR	8	+	41517962	41517984	TCCTGTACTGAGCTGCCCCGAGC	4478
TJU_CMC.ID04481.3p-miR	8	-	41525256	41525275	GTGGACTCTGGATGGCGGTC	4479
TJU_CMC.ID04482.5p-miR	8	+	42050761	42050781	GGGTGCGAGAGGTCCATGATG	4480
TJU_CMC.ID04483.3p-miR	8	+	42132296	42132315	GCCGGCGCGCCCCCCCCCCC	4481
TJU_CMC.ID04484.5p-miR	8	+	42148062	42148084	CATCACAGGTCTGGGCGTGGGGA	4482
TJU_CMC.ID04485.3p-miR	8	-	42601366	42601388	TGGCAAGCTGAGTTGCGTGGTCG	4483
TJU_CMC.ID04486.3p-miR	8	-	43053268	43053289	CTCTGGAGCAGGCCAGTGACAT	4484
TJU_CMC.ID04487.3p-miR	8	+	47184878	47184899	AATGGGGCCATAAGGTGGTGTG	4485
TJU_CMC.ID04488.5p-miR	8	-	47457967	47457987	TGCAGCATACATGTCCCAACT	4486
TJU_CMC.ID04489.5p-miR	8	+	47821521	47821542	AGGGGACAGGCTCTGTTTAATT	4487
TJU_CMC.ID04490.3p-miR	8	-	47949981	47950000	GGCTGATCAGCAGTTTAGTA	4488
TJU_CMC.ID04491.5p-miR	8	-	48234679	48234700	TCGTTTAATTAGATCCTAGTTG	4489
TJU_CMC.ID04492.5p-miR	8	+	48273099	48273119	AACCCGTAGGCTTAGAGGGCT	4490
TJU_CMC.ID04493.5p-miR	8	-	48276835	48276856	ACATCGACTCATAGTAACCCTG	4491
TJU_CMC.ID04494.5p-miR	8	-	48388395	48388417	CTTCCACTGCTAAATTTGACTGG	4492
TJU_CMC.ID04495.3p-miR	8	+	48503428	48503448	GGTGGATTGATCTTTGTGTCA	4493
TJU_CMC.ID04496.3p-miR	8	+	48572349	48572368	CTTCGTAAGAGATTATAAAG	4494
TJU_CMC.ID04497.5p-miR	8	-	48684753	48684774	TCCAGTCTCAAAGCTGTGTGCT	4495
TJU_CMC.ID04498.3p-miR	8	-	48882681	48882700	GCTCGAGTGGCGGAGTGGAT	4496
TJU_CMC.ID04499.5p-miR	8	-	49174027	49174048	GGAGCTGGGACTGGATACCCCA	4497
TJU_CMC.ID04500.3p-miR	8	-	49357064	49357086	AGCAGCAAACAGTGGCCATCCAG	4498
TJU_CMC.ID04501.5p-miR	8	-	49430614	49430634	CTCTTGCTGCTGCCATATAGG	4499
TJU_CMC.ID04502.5p-miR	8	-	49625425	49625444	TAGGAATACAGACACGCACC	4500
TJU_CMC.ID04503.3p-miR	8	-	49690571	49690593	TGGGACATCATGTCTGCAGCTTC	4501
TJU_CMC.ID04504.3p-miR	8	-	50388535	50388557	GTCTGCAAACAGAAATAGTTTGG	4502
TJU_CMC.ID04505.3p-miR	8	-	50509102	50509123	TGACTCCACCCCACCCTTCCAG	4503
TJU_CMC.ID04506.5p-miR	8	+	50536493	50536514	TCCCTGAAGCCCTACAGGCTGA	4504

Table 1. Novel miRNA sequences

TJU_CMC.ID04507.5p-miR	8	+	51102723	51102743	AAGGAGCTCACAGTCTACTGT	4505
TJU_CMC.ID04508.3p-miR	8	+	51337888	51337909	ATCAGATCATCAGCAGCATCAC	4506
TJU_CMC.ID04509.5p-miR	8	-	51545174	51545193	CCTAATAAGAGATTATAAAA	4507
TJU_CMC.ID04510.3p-miR	8	-	51888780	51888801	TAAAGTAGACCCTAGTCTGTGT	4508
TJU_CMC.ID04511.3p-miR	8	-	52194269	52194288	GTTGGCCAGTAGAAAGCACA	4509
TJU_CMC.ID04512.5p-miR	8	-	53147932	53147954	TGTAGGTGCTTCCAGTCTGGAGC	4510
TJU_CMC.ID04513.5p-miR	8	+	53278850	53278869	CCCCTCACAAAAAACACTGC	4511
TJU_CMC.ID04514.5p-miR	8	+	53505526	53505547	TCTCCTGCATCCAGTCAGAGCT	4512
TJU_CMC.ID04515.5p-miR	8	-	54139259	54139278	AAAATACCACTTGCACAAAT	4513
TJU_CMC.ID04516.5p-miR	8	+	54658200	54658220	TAGGAACATTACACAGCACTC	4514
TJU_CMC.ID04517.3p-miR	8	+	54769119	54769140	TTTCAGGGCAAGAATGCAAGTG	4515
TJU_CMC.ID04518.3p-miR	8	-	55330035	55330056	TCGAGGCTGAAGTGATCTGAGA	4516
TJU_CMC.ID04519.5p-miR	8	-	55371809	55371828	CGGCCGCCCTCGGGGCCCAG	4517
TJU_CMC.ID04520.3p-miR	8	-	55526744	55526765	GCATACCACTGAGTCAGTCAGA	4518
TJU_CMC.ID04521.5p-miR	8	-	55632844	55632863	GGATGACTTGTGGATAGAAG	4519
TJU_CMC.ID04522.3p-miR	8	+	56197159	56197178	CTCCAGAACAGGTGATTGAG	4520
TJU_CMC.ID04523.5p-miR	8	-	56482026	56482048	TTTAGCTGAGTGTCCATATTTTA	4521
TJU_CMC.ID04524.3p-miR	8	+	56642169	56642188	ACCCTGCTCGCTGCACCATG	4522
TJU_CMC.ID04525.3p-miR	8	-	56793224	56793244	TCCGCTGCAGCCCCTCGACGT	4523
TJU_CMC.ID04526.5p-miR	8	+	57629321	57629340	CTCTGTCCTGAGAGATGATC	4524
TJU_CMC.ID04527.3p-miR	8	-	58143966	58143986	GTGCCACTACACTCCAAGTGG	4525
TJU_CMC.ID04528.5p-miR	8	+	58428315	58428336	GGCCTAAAAAGGCGGGAGCCCA	4526
TJU_CMC.ID04529.5p-miR	8	+	58458199	58458218	CCCATATTCTAGAAGATGTC	4527
TJU_CMC.ID04530.3p-miR	8	+	58786033	58786055	AGAAGCATTGTCTGAAACTATCT	4528
TJU_CMC.ID04531.5p-miR	8	-	58813442	58813463	TGAGAGAGTACTAACGCGCTTG	4529
TJU_CMC.ID04532.5p-miR	8	+	59013001	59013022	TGAGACAACAGAAATGTTTTGT	4530
TJU_CMC.ID04533.5p-miR	8	-	59161983	59162004	GACCTGATGCTGCTGGAATGCT	4531
TJU_CMC.ID04534.3p-miR	8	-	59509877	59509900	TCTGTGATGAAAATGTTTCTGAAG	4532
TJU_CMC.ID04535.5p-miR	8	-	60230542	60230561	CGTATTTGACTATCTAGATC	4533
TJU_CMC.ID04536.3p-miR	8	+	60545586	60545608	ATAGTACCCACTGTTATAGCCAT	4534
TJU_CMC.ID04537.5p-miR	8	-	60873148	60873167	GATGTTGTTATATTGCTTGA	4535

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TJU_CMC.ID04538.3p-miR	8	-	60904516	60904535	CTTTTAATGTTCTTGTCATT	4536
TJU_CMC.ID04539.5p-miR	8	+	61132386	61132407	GGGAATGATAACGGCAGTCACC	4537
TJU_CMC.ID04540.5p-miR	8	-	61402387	61402407	AAGTATTTGAGTTTATGGATG	4538
TJU_CMC.ID04541.5p-miR	8	+	61644634	61644653	TGATGTTGCCCAGGGTTTTG	4539
TJU_CMC.ID04542.3p-miR	8	-	61696248	61696267	GCTCATCAGACGTGTTCCAT	4540
TJU_CMC.ID04543.3p-miR	8	+	61769537	61769558	AGCAGCATTGTATGAAAGCCAG	4541
TJU_CMC.ID04544.5p-miR	8	-	62340723	62340744	ACTCAGTTGTGACTTATGGGGT	4542
TJU_CMC.ID04545.5p-miR	8	-	62434195	62434215	GCCACAGTGAGTTGCAGATGC	4543
TJU_CMC.ID04546.5p-miR	8	+	62767228	62767249	TGTCAGTGAAAGTTTATGGGGA	4544
TJU_CMC.ID04547.3p-miR	8	-	62923078	62923099	CTAGCTCTTCTCCTGGGCACCA	4545
TJU_CMC.ID04548.5p-miR	8	+	63970388	63970409	CAATACCATCTGACTAATTGGC	4546
TJU_CMC.ID04549.5p-miR	8	-	64457207	64457228	TGAGTCAAATCTGAACCAAAAT	4547
TJU_CMC.ID04550.5p-miR	8	-	64814132	64814152	CCTGACAAAATTCATCCTTGA	4548
TJU_CMC.ID04551.5p-miR	8	-	64968919	64968941	TATGTTACAAGTAAATTACATAT	4549
TJU_CMC.ID04552.3p-miR	8	-	65796128	65796147	TGGCTCAGTTCAGCAGAAGT	4550
TJU_CMC.ID04553.3p-miR	8	+	66174162	66174181	AGCTACATTGTCTGCAAGGT	4551
TJU_CMC.ID04554.5p-miR	8	-	66533482	66533503	CACTAGAACTGGTTTATAAGAG	4552
TJU_CMC.ID04555.5p-miR	8	-	67056758	67056778	TGAAGTATACCTCCACCATAA	4553
TJU_CMC.ID04556.3p-miR	8	+	67119386	67119407	AAGCTTATCCTCTCAGCTGTGA	4554
TJU_CMC.ID04557.5p-miR	8	+	67625034	67625053	CGCCCGCCGCGCCGGGAGCA	4555
TJU_CMC.ID04558.3p-miR	8	+	67960633	67960656	ATACACTGCTTCACTTGACTAGCC	4556
TJU_CMC.ID04559.5p-miR	8	-	68318986	68319007	CTCTTTTTGGGCCACCAACTGT	4557
TJU_CMC.ID04560.3p-miR	8	+	69719206	69719225	GAATTGGTGGTTACTGTTGG	4558
TJU_CMC.ID04561.5p-miR	8	-	69793271	69793290	CGGCTGAGTTTGATTTTGGG	4559
TJU_CMC.ID04562.5p-miR	8	-	70578147	70578168	TGTAGGTGGGAAGCAGCATAAC	4560
TJU_CMC.ID04563.3p-miR	8	+	71044083	71044105	GTTCGGGTATTCCTAAGGCTCTA	4561
TJU_CMC.ID04564.3p-miR	8	+	71364730	71364749	TGGGCAAATCCATACAAAAC	4562
TJU_CMC.ID04565.5p-miR	8	+	72338830	72338851	TAGCTGATGTCTTCATGGGGTT	4563
TJU_CMC.ID04566.5p-miR	8	-	72363483	72363505	ATACTTATTGCTGTGATGATGAA	4564
TJU_CMC.ID04567.3p-miR	8	-	72390823	72390845	TAGCACCATTTCTGGCTGAGTGG	4565
TJU_CMC.ID04568.3p-miR	8	-	73482405	73482426	AGCAAATTTAAATAATATGTTG	4566

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TJU_CMC.ID04569.5p-miR	8	+	73991107	73991126	TCCCCGGCAAAGAACACCCC	4567
TJU_CMC.ID04570.5p-miR	8	-	74249766	74249788	CTGAGGCTGGAGGATCGCTTAAA	4568
TJU_CMC.ID04571.3p-miR	8	-	75232666	75232685	GCTCCCGGGATTGGTTTCAC	4569
TJU_CMC.ID04572.5p-miR	8	+	75446381	75446401	AGTAAATGAGATAATACGTAT	4570
TJU_CMC.ID04573.3p-miR	8	+	75833056	75833078	GGGATCGTGTCACTGCAGCACTT	4571
TJU_CMC.ID04574.5p-miR	8	+	75851441	75851462	GTTGCCTTATTTGGGCTAAATC	4572
TJU_CMC.ID04575.5p-miR	8	-	76028938	76028960	TGGGATGGGTGACAATACTTGTA	4573
TJU_CMC.ID04576.5p-miR	8	+	76316513	76316532	CAAGGTAGAGAGCCGCGGCC	4574
TJU_CMC.ID04577.3p-miR	8	+	76472601	76472620	TCTCCATCATCCAATGCATC	4575
TJU_CMC.ID04578.3p-miR	8	+	77211941	77211962	TGAGGACTGCTGGGTCTGTGTC	4576
TJU_CMC.ID04579.5p-miR	8	-	78060752	78060773	TGCTGGTGATCAGTGGTCCACA	4577
TJU_CMC.ID04580.5p-miR	8	-	78168355	78168376	TTACAGTAATCCAGTCACTTGT	4578
TJU_CMC.ID04581.5p-miR	8	+	78170412	78170431	GTTTTACATTAACTGTTGCC	4579
TJU_CMC.ID04582.3p-miR	8	+	78371524	78371545	GTTTACCAGGAGATTTAAGTCA	4580
TJU_CMC.ID04583.5p-miR	8	-	79041874	79041894	GGTGCTCCTTCTCTCCATTGC	4581
TJU_CMC.ID04584.3p-miR	8	+	79507135	79507154	GTCATCTCTTAAGGTAGGTG	4582
TJU_CMC.ID04585.3p-miR	8	+	79679509	79679532	TGAGTGTGTGTGTGAGTGTGAA	4583
TJU_CMC.ID04586.3p-miR	8	-	80108513	80108535	ACCCTGTAGGCAGACATGATATC	4584
TJU_CMC.ID04587.5p-miR	8	-	80113350	80113369	CAGGATGCTATAGGATAAAA	4585
TJU_CMC.ID04588.3p-miR	8	+	80472026	80472047	TAGCTTTGGTCTGTGATGTTGA	4586
TJU_CMC.ID04589.3p-miR	8	-	80585059	80585078	TCATTGGTAACCTGACAAGA	4587
TJU_CMC.ID04590.3p-miR	8	-	80685597	80685619	AGCTAGTAAAGAGTGACTTGAAC	4588
TJU_CMC.ID04591.3p-miR	8	-	80714584	80714605	GCTCAAGGTTGAACATGGTCAC	4589
TJU_CMC.ID04592.3p-miR	8	-	80907548	80907568	TGCCTTGTAATGCACTGGTAA	4590
TJU_CMC.ID04593.3p-miR	8	-	81174011	81174032	GCAATCATGAGCTTAGATTTGT	4591
TJU_CMC.ID04594.5p-miR	8	-	81485682	81485703	GGAACTGGGGAGGGAAGGCTTC	4592
TJU_CMC.ID04595.3p-miR	8	-	81525975	81525996	AGTTCTGGGCTCTAGTGCGCTA	4593
TJU_CMC.ID04596.5p-miR	8	-	81853661	81853682	GGTTCAGATGGGATCTCCACAG	4594
TJU_CMC.ID04597.5p-miR	8	+	81967356	81967377	CAGTGCAATGATAGTTCACTGC	4595
TJU_CMC.ID04598.3p-miR	8	+	82154461	82154482	TGTACTCCCAGACCCTACCCCA	4596
TJU_CMC.ID04599.3p-miR	8	-	82183041	82183060	TATCAGTTGTTCATGGAGGA	4597

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TJU_CMC.ID04600.5p-miR	8	+	83593828	83593848	CTGACCTATGAATGTTTGATC	4598
TJU_CMC.ID04601.3p-miR	8	+	83684224	83684245	TATTGCACACACTTTATAAGTA	4599
TJU_CMC.ID04602.3p-miR	8	-	83908088	83908109	TAGCTTATGTCTGTAATACCAG	4600
TJU_CMC.ID04603.3p-miR	8	+	85198328	85198348	TGATGATTGAGTTTATGGTAT	4601
TJU_CMC.ID04604.5p-miR	8	-	85600727	85600747	GTCCAGTTTTTCCCAGCAACAC	4602
TJU_CMC.ID04605.5p-miR	8	+	86347457	86347479	TAGCACCTATGCTTTATGACATG	4603
TJU_CMC.ID04606.5p-miR	8	+	86393067	86393086	TTTAGCTAAGCACAGATCTA	4604
TJU_CMC.ID04607.3p-miR	8	+	88188285	88188304	AGTGATGCCACGTGACCGCT	4605
TJU_CMC.ID04608.3p-miR	8	-	88758799	88758821	TGGTAAAATAGCGTACTTGTCAA	4606
TJU_CMC.ID04609.5p-miR	8	-	89296153	89296172	TAGCACCATTTGATGCTTTG	4607
TJU_CMC.ID04610.3p-miR	8	+	90696660	90696681	GCATGGCACAGATTTACTTATG	4608
TJU_CMC.ID04611.5p-miR	8	+	90973448	90973470	AACAGTGGGTGACAATATTTTGT	4609
TJU_CMC.ID04612.3p-miR	8	+	91314126	91314147	GTATTAGTGAAATACGTGATGC	4610
TJU_CMC.ID04613.3p-miR	8	+	91319437	91319458	AAAAGGTTAATGCATACAGGGC	4611
TJU_CMC.ID04614.5p-miR	8	-	92531920	92531940	ACATTAAAATAAGGATTGGCT	4612
TJU_CMC.ID04615.3p-miR	8	-	92547525	92547545	ATGCCAGGATTTATAAGAAGC	4613
TJU_CMC.ID04616.3p-miR	8	-	92677262	92677284	AGCAGCATTGGGTGAGGCTATTC	4614
TJU_CMC.ID04617.3p-miR	8	-	92775550	92775569	GCAAGTCTCCTCATTGATCT	4615
TJU_CMC.ID04618.3p-miR	8	-	93047953	93047975	TCTTGATTTTCTGTCCTTAGGGA	4616
TJU_CMC.ID04619.5p-miR	8	-	93141303	93141324	TGAGGATAATAGCTGATATCTT	4617
TJU_CMC.ID04620.5p-miR	8	-	93189976	93189996	TAATACTGCTCATGCTCTACC	4618
TJU_CMC.ID04621.5p-miR	8	-	93478032	93478053	AGTAAGCTCCCTTTGAAGTCAG	4619
TJU_CMC.ID04622.3p-miR	8	-	93662615	93662636	TGGAAGACTAGTGATTGAATGT	4620
TJU_CMC.ID04623.3p-miR	8	-	94440721	94440743	TTCCAGTTTTGGATCAGGCTTTC	4621
TJU_CMC.ID04624.5p-miR	8	+	94915363	94915385	TGTGCAAATCCATGAAAAGCTCT	4622
TJU_CMC.ID04625.3p-miR	8	-	94989107	94989127	CTGTGGATAGGGCCAGTGACC	4623
TJU_CMC.ID04626.3p-miR	8	-	95031974	95031994	TAGCAGGTGCTGGGCGTTGGC	4624
TJU_CMC.ID04627.3p-miR	8	-	95242911	95242931	TCAGTGCAGATGTCTTGGAAA	4625
TJU_CMC.ID04628.5p-miR	8	-	95254264	95254285	TCTAGGCGACTCAGTAGCCCAG	4626
TJU_CMC.ID04629.5p-miR	8	-	95980270	95980293	CAGTAGCCAGCAGCGACCTGGGGC	4627
TJU_CMC.ID04630.3p-miR	8	+	96433581	96433601	AAATTTCGGTTGGGAATTAAA	4628

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TJU_CMC.ID04631.5p-miR	8	-	96517901	96517920	AGGCAAGATGCTGGTATCAT	4629
TJU_CMC.ID04632.3p-miR	8	+	96572208	96572228	AGTGACACATGTTATTGATGG	4630
TJU_CMC.ID04633.3p-miR	8	+	96653167	96653187	AGCAGCTCCTACACTGAGAGG	4631
TJU_CMC.ID04634.3p-miR	8	+	97111487	97111509	GAGGTCATGGAGGTCATTAGGGA	4632
TJU_CMC.ID04635.5p-miR	8	+	97246390	97246411	TCAGTGCACTACAGATTACGTG	4633
TJU_CMC.ID04636.5p-miR	8	-	97404146	97404165	CAGCATCAGAGGCTACTGTG	4634
TJU_CMC.ID04637.5p-miR	8	+	98667450	98667473	CCTTTTGTTTTGTACTTTACTATA	4635
TJU_CMC.ID04638.3p-miR	8	-	98741461	98741482	TTCAAGTAAGAACTGAAAGCCA	4636
TJU_CMC.ID04639.5p-miR	8	-	98890570	98890591	CGTGAGCTCCTGGGCTCAATGA	4637
TJU_CMC.ID04640.3p-miR	8	+	98963761	98963781	GGAACTGGGGCCCAGGAATGT	4638
TJU_CMC.ID04641.5p-miR	8	+	99045980	99045999	ATCCCACGAAGTCACAAAGA	4639
TJU_CMC.ID04642.5p-miR	8	+	99159773	99159796	GACATGATGAGATTTCACTCTGAC	4640
TJU_CMC.ID04643.5p-miR	8	-	99235209	99235230	CTAGATCTAGACAGATCTAGAT	4641
TJU_CMC.ID04644.3p-miR	8	+	99307058	99307079	GCTTCAGATGGGATCAGGTGGA	4642
TJU_CMC.ID04645.5p-miR	8	+	100243122	100243144	AGCAGCATTGTCACTTCAGTGTC	4643
TJU_CMC.ID04646.5p-miR	8	-	100243648	100243670	TATGTGCCATTAGGGCTTCTTGC	4644
TJU_CMC.ID04647.3p-miR	8	-	100546908	100546927	AACAGCCATCATATTCCAGA	4645
TJU_CMC.ID04648.3p-miR	8	+	100835357	100835378	AGCAGCACCACAGAGCCAGACT	4646
TJU_CMC.ID04649.5p-miR	8	-	100935026	100935045	AATCCCAAAAAAAATCTGTG	4647
TJU_CMC.ID04650.3p-miR	8	-	101475780	101475799	CACTGGATACTTAACCACCT	4648
TJU_CMC.ID04651.3p-miR	8	+	101821955	101821974	GGGCAATTACCCTTCAGGCT	4649
TJU_CMC.ID04652.5p-miR	8	+	102028789	102028811	GCTTCTGAAAGTGTCCTTAGGGA	4650
TJU_CMC.ID04653.3p-miR	8	-	102113197	102113217	ACGAATCAGACGTGCGGTTGA	4651
TJU_CMC.ID04654.3p-miR	8	-	102797938	102797957	CAAATAATGAAAACCATTGT	4652
TJU_CMC.ID04655.3p-miR	8	-	102810957	102810978	GAAATCAGCTAGACTGATGGCT	4653
TJU_CMC.ID04656.3p-miR	8	-	102884403	102884423	CTTTGCAAACGAGGAATTCCC	4654
TJU_CMC.ID04657.3p-miR	8	+	102999481	102999500	GACTAGCAGCAGTGTTTCAA	4655
TJU_CMC.ID04658.5p-miR	8	-	103171909	103171931	TAATGTTTTGTCTTTATGACACC	4656
TJU_CMC.ID04659.5p-miR	8	-	103196912	103196931	AGGGCCCAGCTAATGTTGCT	4657
TJU_CMC.ID04660.3p-miR	8	+	103474092	103474114	GTTTCCGACTCAGCAGGACACTG	4658
TJU_CMC.ID04661.5p-miR	8	+	103484739	103484761	TGGCTTATGTCTGTGATCCCAGT	4659

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TJU_CMC.ID04662.3p-miR	8	+	103797522	103797541	GATGATGCCACCACTGGCTA	4660
TJU_CMC.ID04663.3p-miR	8	-	103837418	103837437	ACCTTACCAGGCCTTGAAAG	4661
TJU_CMC.ID04664.5p-miR	8	-	104051967	104051988	TCTCTTTTCCTCCTCCTCCTCC	4662
TJU_CMC.ID04665.5p-miR	8	+	104251389	104251409	CAGCTACACCACCTACTAGGT	4663
TJU_CMC.ID04666.3p-miR	8	-	104266020	104266041	TGATCTGACTCAGCAGGAAGGT	4664
TJU_CMC.ID04667.5p-miR	8	+	105977390	105977410	ATGCAGCACTCATATAGGTAT	4665
TJU_CMC.ID04668.3p-miR	8	-	106344266	106344287	GACTGCAAGTGGTTTATGGGTA	4666
TJU_CMC.ID04669.3p-miR	8	+	106508541	106508560	GCATTGGTGGTTCAGTGGTT	4667
TJU_CMC.ID04670.5p-miR	8	-	106859422	106859443	TTAGCTTTCCCTACTTGTTTTG	4668
TJU_CMC.ID04671.5p-miR	8	-	107023092	107023114	AGCTGGTGGTGAAAATATTTTGT	4669
TJU_CMC.ID04672.5p-miR	8	-	107282744	107282765	CCCAATGGCCACCCGCTTTCAA	4670
TJU_CMC.ID04673.5p-miR	8	+	107307710	107307731	TATGCACGACTCATTATATGCA	4671
TJU_CMC.ID04674.3p-miR	8	-	107724616	107724637	CAGAATTTACAATGGGATATGC	4672
TJU_CMC.ID04675.5p-miR	8	+	107848228	107848248	TGCCATCAACTTGGTCAAGGC	4673
TJU_CMC.ID04676.3p-miR	8	-	108377529	108377548	GAGCACCATTTGAGGCTGCC	4674
TJU_CMC.ID04677.5p-miR	8	+	108774611	108774632	AATCATGTTTGAGCATGCAGTG	4675
TJU_CMC.ID04678.5p-miR	8	-	108977731	108977753	GCTTAGCACCTCCAGGATAGGGA	4676
TJU_CMC.ID04679.3p-miR	8	-	110709116	110709135	CGGCCCTGGCGGAGCGCCTT	4677
TJU_CMC.ID04680.5p-miR	8	-	110778283	110778302	CAGAGGTCCTACAGTGCAGA	4678
TJU_CMC.ID04681.3p-miR	8	+	110997319	110997338	CTACTGGGGTATTTATGGGT	4679
TJU_CMC.ID04682.3p-miR	8	+	111063297	111063317	CTCTCTTTCTCTCCCTGTGTC	4680
TJU_CMC.ID04683.5p-miR	8	-	111182570	111182591	TAGCTTCTCAGTGACTGCAACT	4681
TJU_CMC.ID04684.5p-miR	8	+	111552149	111552171	AGCAGGTGCTAGTGAGGCTGCAG	4682
TJU_CMC.ID04685.5p-miR	8	-	112943774	112943793	TCCCTGTTCGGGCGCCACTA	4683
TJU_CMC.ID04686.5p-miR	8	+	114300032	114300051	GAGCTTATCACTGGTATTTT	4684
TJU_CMC.ID04687.3p-miR	8	-	114596071	114596092	TATACTACATGCCCCTAAATAT	4685
TJU_CMC.ID04688.5p-miR	8	-	114837815	114837834	CAAAGGCATCACTAGTGGTT	4686
TJU_CMC.ID04689.3p-miR	8	+	116296467	116296488	AGAAGTGCTGTGTTCAGTGGTT	4687
TJU_CMC.ID04690.3p-miR	8	-	116432758	116432779	ACAGCAGGCTGGAGTGAATGGT	4688
TJU_CMC.ID04691.5p-miR	8	+	116448075	116448096	GTCCAGTGCCTTTGAAGTGTTT	4689
TJU_CMC.ID04692.3p-miR	8	+	116458339	116458360	CTATATGGACTGCTGTTTGTTT	4690

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TJU_CMC.ID04693.3p-miR	8	-	116618083	116618105	CAAAGTGCCCTTTGAAGGCTTTC	4691
TJU_CMC.ID04694.3p-miR	8	+	116883095	116883116	TTCACTTCTCTTGACTATCTAG	4692
TJU_CMC.ID04695.5p-miR	8	-	117328172	117328193	AATGGCAATGGTAATATGGACA	4693
TJU_CMC.ID04696.3p-miR	8	-	117521880	117521899	TGGCTCAGTTCAGCATTTCA	4694
TJU_CMC.ID04697.3p-miR	8	-	118310135	118310158	TCATAAGACATTTATGGACTACTC	4695
TJU_CMC.ID04698.5p-miR	8	+	118615545	118615564	AAAGCACTTGCGGTTTTAAG	4696
TJU_CMC.ID04699.3p-miR	8	+	118732978	118732999	TATAGACTGAGTATGAAGCACC	4697
TJU_CMC.ID04700.3p-miR	8	+	119016896	119016917	CCTGAGTATTCCAGTCTCTTGA	4698
TJU_CMC.ID04701.5p-miR	8	-	119409404	119409424	GCTCCCAAGCTAAAACCTCAA	4699
TJU_CMC.ID04702.3p-miR	8	-	119445101	119445120	GGTGGTTGTTGTCAGTGGTG	4700
TJU_CMC.ID04703.5p-miR	8	+	119472146	119472165	GAGCCAACAACCCAGTGGTG	4701
TJU_CMC.ID04704.3p-miR	8	-	119592163	119592183	CTTCTAAAGGCTCCCTACAAT	4702
TJU_CMC.ID04705.3p-miR	8	+	119622289	119622311	TATAGCAAGTGCACAATGAATAC	4703
TJU_CMC.ID04706.3p-miR	8	-	119627509	119627528	ATTTAGTTCTGAGCTGGGTG	4704
TJU_CMC.ID04707.3p-miR	8	-	119905355	119905376	CATCGCTTAGGCAAAAGCAGCT	4705
TJU_CMC.ID04708.5p-miR	8	+	120215892	120215912	GGCCTTGGGTAAGTTAGTCAC	4706
TJU_CMC.ID04709.5p-miR	8	-	120413762	120413784	ATGCCAGTATCTGCTTCTGGGGA	4707
TJU_CMC.ID04710.3p-miR	8	-	120638556	120638577	TGCTGGTTTTGCAAATGTTTTT	4708
TJU_CMC.ID04711.3p-miR	8	+	121062118	121062139	CATATCTTTTTTAAAAAATGTC	4709
TJU_CMC.ID04712.3p-miR	8	+	121066864	121066885	ATGTGTACATTGAAAGCCATGT	4710
TJU_CMC.ID04713.3p-miR	8	-	121079677	121079698	ACCAAGAATCCCAAATATGATC	4711
TJU_CMC.ID04714.3p-miR	8	+	121417485	121417506	GTCTCAAACAGAAATGAAAACA	4712
TJU_CMC.ID04715.3p-miR	8	-	121791447	121791468	CCAGCCTTACAGTTTATTTTTG	4713
TJU_CMC.ID04716.3p-miR	8	-	121824150	121824171	CCCCCGGGCCCCGCGTCCTCCC	4714
TJU_CMC.ID04717.5p-miR	8	+	121938613	121938633	ATATGTTGCTCAGGTAGCTAT	4715
TJU_CMC.ID04718.3p-miR	8	+	123815459	123815480	TGAGGTAGTAGTGGTGTGAGCC	4716
TJU_CMC.ID04719.5p-miR	8	-	124000493	124000514	CATAGTCTCAAAGCTGCCACAG	4717
TJU_CMC.ID04720.5p-miR	8	-	124408984	124409004	GGCCTCCCTTCCCCCGCCGCC	4718
TJU_CMC.ID04721.5p-miR	8	+	125721026	125721048	TAGCTTGCTGCTGACTTAATGAC	4719
TJU_CMC.ID04722.5p-miR	8	+	125744685	125744706	TCGAGCCCACTGTCTTAACCAC	4720
TJU_CMC.ID04723.3p-miR	8	+	125985932	125985954	GTGCATTTTCTTTGAAGGCTTTC	4721

Table 1. Novel miRNA sequences

TJU_CMC.ID04724.3p-miR	8	+	125997379	125997400	TAGTTCATTAGACTGATAGACA	4722
TJU_CMC.ID04725.5p-miR	8	+	126102086	126102105	CCAAATATGTTCGGCAATAG	4723
TJU_CMC.ID04726.5p-miR	8	+	126625122	126625141	CTAGGGATAAGGCCAGTGAT	4724
TJU_CMC.ID04727.5p-miR	8	+	126806818	126806840	AATTGAGAACTCCACTTGTCAAG	4725
TJU_CMC.ID04728.3p-miR	8	+	126834509	126834531	TCAGTGCACATGTCAACTTTTCG	4726
TJU_CMC.ID04729.5p-miR	8	-	126902178	126902199	AAAAGTCTAGACTAATCCACAT	4727
TJU_CMC.ID04730.3p-miR	8	-	126999899	126999918	TCCCCGTACTGGCCACCAGG	4728
TJU_CMC.ID04731.3p-miR	8	+	127110457	127110479	TGTCACAAAGATAAATTGGGGTT	4729
TJU_CMC.ID04732.3p-miR	8	+	128349931	128349953	CATTGCACTTACTCTAACTCACC	4730
TJU_CMC.ID04733.5p-miR	8	-	128673199	128673220	TTCTTGCTGCCATTGACATCCA	4731
TJU_CMC.ID04734.3p-miR	8	+	128779375	128779396	TAGACACTGGTAGACGCTGCAG	4732
TJU_CMC.ID04735.5p-miR	8	+	129668590	129668609	CTGCCAGACCATCTTCAGAA	4733
TJU_CMC.ID04736.3p-miR	8	+	130255454	130255474	GGTGGAAATGGTGCATACCAC	4734
TJU_CMC.ID04737.5p-miR	8	+	131015885	131015906	CAGCAGCTATTTGGGGATGATC	4735
TJU_CMC.ID04738.3p-miR	8	+	131489372	131489394	AAGGAGCTCACAGTCTATTGGGG	4736
TJU_CMC.ID04739.3p-miR	8	+	131563479	131563499	GTTTCCATAGTGGCTGTGTTA	4737
TJU_CMC.ID04740.3p-miR	8	-	131606497	131606516	AGGCACTATGCTGGCATAGA	4738
TJU_CMC.ID04741.5p-miR	8	-	132287748	132287769	CTATGCCATCTCTTTATAAGGC	4739
TJU_CMC.ID04742.3p-miR	8	-	133069260	133069280	ACTGGACTTGGAGTCAGGAGA	4740
TJU_CMC.ID04743.3p-miR	8	-	133242332	133242352	TGAGGTAGATCCAACATGGCC	4741
TJU_CMC.ID04744.3p-miR	8	+	133476482	133476501	TCACGTTACAGACGAGCAAA	4742
TJU_CMC.ID04745.3p-miR	8	+	133527081	133527103	TAGCTTACTGAGTGAGCAAATCC	4743
TJU_CMC.ID04746.5p-miR	8	-	134162662	134162685	AAGTGAAACACGGGCTCTATATTG	4744
TJU_CMC.ID04747.5p-miR	8	-	134229666	134229687	AGATCTGCAAGTGCAGGTGTGA	4745
TJU_CMC.ID04748.3p-miR	8	+	134512121	134512144	CAACAGGGCTGGGGGCAGGTCACA	4746
TJU_CMC.ID04749.5p-miR	8	-	134549799	134549820	TGTAGTGTTAGGATGATTATTG	4747
TJU_CMC.ID04750.5p-miR	8	+	134767901	134767920	AACTGGCTTCAATCTACTTG	4748
TJU_CMC.ID04751.5p-miR	8	+	134977419	134977438	TATATTCACACAGTATATAT	4749
TJU_CMC.ID04752.3p-miR	8	-	135023591	135023613	GAGCTCAAACAGTGTATGAAACC	4750
TJU_CMC.ID04753.3p-miR	8	+	135624557	135624576	CAGTAATATGGCAGGAACAG	4751
TJU_CMC.ID04754.3p-miR	8	+	135844419	135844438	CGGCGGCGTCCGCACTGAGA	4752

Table 1. Novel miRNA sequences

TJU_CMC.ID04755.3p-miR	8	+	136141750	136141771	CTCCTACGGCTTGACTATCCTC	4753
TJU_CMC.ID04756.5p-miR	8	-	136308148	136308169	TAGTCTATGAATGTCACTATTG	4754
TJU_CMC.ID04757.3p-miR	8	+	136450989	136451010	AGGTGCAATGGTTTATCAAGCT	4755
TJU_CMC.ID04758.3p-miR	8	-	136752342	136752363	TAAGCTGCACAGTTTATGGTAT	4756
TJU_CMC.ID04759.3p-miR	8	+	136930233	136930254	TGGAGACTGGACTACTAGGTAC	4757
TJU_CMC.ID04760.5p-miR	8	-	137000460	137000482	AGCAGCATTTGCAAGTTACCGTC	4758
TJU_CMC.ID04761.3p-miR	8	-	137033980	137034002	GGAATGTTTGGGTGGGGGTGGAA	4759
TJU_CMC.ID04762.5p-miR	8	+	137049223	137049242	TTTTAAACAAGATTATTATG	4760
TJU_CMC.ID04763.3p-miR	8	+	137138970	137138990	GGGAAGGAAACTAAAATAATG	4761
TJU_CMC.ID04764.5p-miR	8	-	137418264	137418283	GCTAGATAACTTTCGACTCT	4762
TJU_CMC.ID04765.3p-miR	8	-	137534330	137534352	CTGCAGCCACTCAACTACAATAT	4763
TJU_CMC.ID04766.5p-miR	8	+	138031850	138031872	AGCTTGCACCAGTTAAGTCCTTG	4764
TJU_CMC.ID04767.3p-miR	8	-	138240450	138240471	TCGATCCCAGGTTTCGGCACCA	4765
TJU_CMC.ID04768.3p-miR	8	+	138737676	138737697	CTGGAATTAATGGTGATGATTA	4766
TJU_CMC.ID04769.5p-miR	8	-	139643554	139643573	TAGCTCAGCCTGATGAAGAG	4767
TJU_CMC.ID04770.3p-miR	8	+	139802204	139802224	GCATGGCTGCTATTGCTAAAA	4768
TJU_CMC.ID04771.3p-miR	8	-	139931559	139931581	GAGAGGCGACTCATGATGGATAC	4769
TJU_CMC.ID04772.3p-miR	8	-	140489944	140489963	TGGGCTCTGTACCTGACTCA	4770
TJU_CMC.ID04773.3p-miR	8	+	140717361	140717381	TCGGGCTGGGGCGCACCTATT	4771
TJU_CMC.ID04774.3p-miR	8	+	140888479	140888499	AGGCAGAGCACTGGCTGCTGG	4772
TJU_CMC.ID04775.3p-miR	8	-	140913871	140913890	ACTGATTGGTACCCATCGCC	4773
TJU_CMC.ID04776.3p-miR	8	+	141060729	141060749	TCCCCAGCACCTCCACCCGGG	4774
TJU_CMC.ID04777.3p-miR	8	-	141581250	141581271	CTGTGCGTTGTCACTGCCAGCC	4775
TJU_CMC.ID04778.3p-miR	8	+	141646941	141646962	TGCATGGCACTGAATACCCACG	4776
TJU_CMC.ID04779.3p-miR	8	-	141867874	141867895	AAGTTACTACCAAATGGAGACC	4777
TJU_CMC.ID04780.5p-miR	8	-	142027214	142027234	CAACCTGGTAACGGGAGCATG	4778
TJU_CMC.ID04781.5p-miR	8	-	142084651	142084672	TGGAGAGAAGGGCAGTTCCTGT	4779
TJU_CMC.ID04782.5p-miR	8	+	142317403	142317423	AATCTGGGCCCGGATGAACTG	4780
TJU_CMC.ID04783.3p-miR	8	+	142493027	142493048	TGTCAGTTTTCCAAAGAGGTTG	4781
TJU_CMC.ID04784.5p-miR	8	-	142528343	142528362	CCCGCCGTAGATGTCCGGGA	4782
TJU_CMC.ID04785.5p-miR	8	+	143082093	143082112	GCTGGGGAATAAATGGGGCT	4783

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TJU_CMC.ID04786.3p-miR	8	-	143165630	143165653	CTGACTATAATCAATGAGGCATAT	4784
TJU_CMC.ID04787.3p-miR	8	+	143254672	143254691	GGGTCCCCGGTAGCTCTTTG	4785
TJU_CMC.ID04788.5p-miR	8	-	143383664	143383683	GTCAGCTGGGAGAGCACCTG	4786
TJU_CMC.ID04789.3p-miR	8	-	143532808	143532829	CCAGACCCGGAGGAAGAACGGG	4787
TJU_CMC.ID04790.3p-miR	8	-	143703450	143703471	GTGAGCTGGGGTTGCTGGCAGC	4788
TJU_CMC.ID04791.5p-miR	8	+	144193314	144193335	TTGCTTACGAAGCACATCAGCT	4789
TJU_CMC.ID04792.3p-miR	8	+	144303184	144303203	AGGGGAAGCCTCTCGGCGCC	4790
TJU_CMC.ID04793.3p-miR	8	+	144347098	144347119	CTGTGCGTGTGACAGGACGTCA	4791
TJU_CMC.ID04794.5p-miR	8	-	144349179	144349198	CCCCCGCCGCCCTCTTGGGT	4792
TJU_CMC.ID04795.3p-miR	8	+	144567992	144568011	AAGGGCACCACCAGGAGACC	4793
TJU_CMC.ID04796.5p-miR	8	-	144613720	144613739	CACAACAGATAATCGCTTTA	4794
TJU_CMC.ID04797.5p-miR	8	-	144649704	144649723	GAGTGGACGGGAGCGGTGGG	4795
TJU_CMC.ID04798.3p-miR	8	+	144949784	144949804	GAGAAAGCTCACACAAGAGGCTG	4796
TJU_CMC.ID04799.3p-miR	8	+	144997648	144997668	GCCCGCCGCGCCGCCTCTTGC	4797
TJU_CMC.ID04800.5p-miR	8	-	145048070	145048092	TTATACCGACTCAGTCGTCTCCA	4798
TJU_CMC.ID04801.3p-miR	8	-	145519929	145519949	GACTGAGCGTGGCCAGGTCGG	4799
TJU_CMC.ID04802.5p-miR	8	-	145561061	145561081	CCTCCCCCGCCCGCCCCCGCA	4800
TJU_CMC.ID04803.5p-miR	8	+	145755189	145755208	CCCAGCCCTGCTCCCTACCC	4801
TJU_CMC.ID04804.5p-miR	8	-	145816763	145816785	GGCCTCAAGACAAGTTTCCTGCA	4802
TJU_CMC.ID04805.5p-miR	8	-	145865185	145865204	GCCGAGGTGAAGCTTTCACT	4803
TJU_CMC.ID04806.5p-miR	8	-	145897432	145897453	TCCCTGAGACCCTCGTTTACAG	4804
TJU_CMC.ID04807.5p-miR	8	+	145943296	145943318	GCTCTCTTGGTGCTTAACCATGC	4805
TJU_CMC.ID04808.5p-miR	8	+	146003177	146003196	GCCCCCCCGGTGTCCCCCGC	4806
TJU_CMC.ID04809.3p-miR	8	-	146117167	146117187	TCGGCTCATCGCATCCTCCAC	4807
TJU_CMC.ID04810.3p-miR	9	-	948099	948120	TGTGCAAATCCATACAGGTGTG	4808
TJU_CMC.ID04811.3p-miR	9	+	999544	999564	CTCCCTCCCTCCCAGGAATCC	4809
TJU_CMC.ID04812.5p-miR	9	-	1086289	1086308	ACTTTGCGAGGTTAACAAGA	4810
TJU_CMC.ID04813.5p-miR	9	-	1437132	1437152	CGATGTTGCCCAGGAGCAGTG	4811
TJU_CMC.ID04814.3p-miR	9	+	1445322	1445344	CACATGAATCTATGCATGTCTGC	4812
TJU_CMC.ID04815.5p-miR	9	+	2145695	2145717	GAGCAGTTTTCCCAGGGAACCCT	4813
TJU_CMC.ID04816.3p-miR	9	-	2276108	2276127	ATCCGAGTCACGGCACGAAA	4814

Table 1. Novel miRNA sequences

TJU_CMC.ID04817.3p-miR	9	-	2396323	2396344	GGAGTGCTGCTATTGGCTAGTT	4815
TJU_CMC.ID04818.3p-miR	9	-	2589789	2589810	TAGCTCCACCTGATGGGAACAG	4816
TJU_CMC.ID04819.3p-miR	9	+	2622156	2622177	CGGCGGCGGCGGCGGCACCATC	4817
TJU_CMC.ID04820.3p-miR	9	+	2674247	2674267	AAAAATGGCAAGGTACTGAAC	4818
TJU_CMC.ID04821.5p-miR	9	+	2873066	2873088	TACCCATTGCATATGCCACCCAC	4819
TJU_CMC.ID04822.5p-miR	9	+	3099321	3099341	TCTCAGTAAAACAATTCTGAG	4820
TJU_CMC.ID04823.5p-miR	9	-	3214751	3214770	AAGATAATCACATGGGGGAA	4821
TJU_CMC.ID04824.5p-miR	9	-	3744493	3744512	GCTCATAAAGTGACTGTTAA	4822
TJU_CMC.ID04825.3p-miR	9	+	3771379	3771398	GCCTATTTGTAGCTTATTTT	4823
TJU_CMC.ID04826.5p-miR	9	-	3859251	3859272	TAGTGAAAACAGTTTATTTTTG	4824
TJU_CMC.ID04827.3p-miR	9	-	4027661	4027680	GAGCTTATCAGACTGTTTAG	4825
TJU_CMC.ID04828.5p-miR	9	+	4850308	4850330	TCGGTTATCATGGTACCGATGCT	4826
TJU_CMC.ID04829.3p-miR	9	-	5492078	5492099	AACTGGCTTCTAGGACTTTATA	4827
TJU_CMC.ID04830.5p-miR	9	-	6246860	6246882	TGGACTGGGTGATTTATAAAGAA	4828
TJU_CMC.ID04831.3p-miR	9	+	7788672	7788691	TACCTGCTAAATAGCCCGCT	4829
TJU_CMC.ID04832.5p-miR	9	-	8175391	8175410	GCTGCTACTAATCAGGCTCC	4830
TJU_CMC.ID04833.5p-miR	9	-	8247735	8247757	TTGCTTATCAAACTGATGCCCTG	4831
TJU_CMC.ID04834.3p-miR	9	-	8479619	8479640	TTGGTGGTAAACTTTAGTTTCA	4832
TJU_CMC.ID04835.3p-miR	9	-	8503893	8503912	GGAGGGCTTCGCAAATGAAA	4833
TJU_CMC.ID04836.5p-miR	9	-	8598653	8598675	AGCAGCATTGTACATTTGATTGG	4834
TJU_CMC.ID04837.5p-miR	9	-	9221073	9221093	TACCTGGTTGATTTCATGGCC	4835
TJU_CMC.ID04838.3p-miR	9	-	9561095	9561116	GCTCTACAACACTATTGTCTGT	4836
TJU_CMC.ID04839.5p-miR	9	-	9613722	9613743	CCTGAGATTCTAACAAGCTGTC	4837
TJU_CMC.ID04840.5p-miR	9	-	10170201	10170221	CAATAATGCTCCCTACAGCAG	4838
TJU_CMC.ID04841.3p-miR	9	-	10400476	10400496	CATTATTACTTTTGGTGCTAG	4839
TJU_CMC.ID04842.5p-miR	9	+	10553096	10553116	CATGCTGAGAATCACAGAAGC	4840
TJU_CMC.ID04843.5p-miR	9	+	10679438	10679457	GTTATACATGTGGCTTCAAA	4841
TJU_CMC.ID04844.3p-miR	9	+	10837185	10837204	GAAAATTACAAGGACAACTT	4842
TJU_CMC.ID04845.5p-miR	9	-	11122508	11122527	GTCCCACCTGGGATACTACC	4843

Table 1. Novel miRNA sequences

TJU_CMC.ID04846.5p-miR	9	-	11392710	11392731	TTGCACCATCTGAGGCTAAGGC	4844
TJU_CMC.ID04847.3p-miR	9	-	12226647	12226670	GAGATAGAGAGAGAATAGAAAATA	4845
TJU_CMC.ID04848.3p-miR	9	-	12755708	12755729	AAGCTTATCAGTGACTACTCTA	4846
TJU_CMC.ID04849.3p-miR	9	-	12931857	12931879	AGGATTGCCACGTGCTGCTGCAT	4847
TJU_CMC.ID04850.3p-miR	9	+	13024296	13024318	AGCAGGTAACATGTCTTAGCTTT	4848
TJU_CMC.ID04851.3p-miR	9	-	13464716	13464737	TAGCTTATCAGAGTGATTCTGG	4849
TJU_CMC.ID04852.3p-miR	9	-	13711263	13711284	ATATAAATGTCTAAATATGTAT	4850
TJU_CMC.ID04853.5p-miR	9	+	13904967	13904986	CTTTTAATGAGAGGTGGTAA	4851
TJU_CMC.ID04854.5p-miR	9	-	13936855	13936874	CTAACCTATAGGCCTGTGAT	4852
TJU_CMC.ID04855.3p-miR	9	+	13963699	13963718	ACTCTTGAAGAACCACATAG	4853
TJU_CMC.ID04856.5p-miR	9	+	14566537	14566558	AGGCTGAGCACCTGCAGGTGAG	4854
TJU_CMC.ID04857.3p-miR	9	-	14827901	14827921	GCCAAGGCCTACTTCTTGTGT	4855
TJU_CMC.ID04858.3p-miR	9	-	15404253	15404273	CAGACTTATCCATGCATGCAT	4856
TJU_CMC.ID04859.3p-miR	9	-	16388897	16388916	GCAGGGTGGTGGTGAAGAAC	4857
TJU_CMC.ID04860.3p-miR	9	+	16450950	16450972	ACAGACATCACTGTGACAACCAC	4858
TJU_CMC.ID04861.3p-miR	9	+	16547420	16547440	TATACCAAGCTAAACAGGTTT	4859
TJU_CMC.ID04862.5p-miR	9	-	17367519	17367540	GAGCAGTGGCACAAATACCCCA	4860
TJU_CMC.ID04863.5p-miR	9	-	18045639	18045660	TTCACTGCCGAAAGCTATGGCC	4861
TJU_CMC.ID04864.5p-miR	9	-	18049231	18049251	TCTCCCAACAAGGTATGTCAG	4862
TJU_CMC.ID04865.5p-miR	9	+	18133368	18133388	CCTGCCTTAACAATAACGACC	4863
TJU_CMC.ID04866.3p-miR	9	+	18353243	18353265	GTGGTAAAGTGGTTAATACCTTC	4864
TJU_CMC.ID04867.3p-miR	9	+	18827033	18827052	TCCACCATCTGATTATTGCC	4865
TJU_CMC.ID04868.3p-miR	9	-	19063657	19063680	TAACGGACAGATACGGGGCAGACA	4866
TJU_CMC.ID04868.5p-miR	9	-	19063696	19063718	ACTGCCTTTTGATGACCGGGACG	4867
TJU_CMC.ID04869.5p-miR	9	-	19187310	19187331	AAATAGTTCTGAGCTGGGCATA	4868
TJU_CMC.ID04870.3p-miR	9	-	19427152	19427173	GATCGTCTCAAAGATGAACACT	4869
TJU_CMC.ID04871.3p-miR	9	-	19627885	19627904	TTTTAAAAGAGGGAATAAAT	4870
TJU_CMC.ID04872.5p-miR	9	-	19988409	19988428	GAAGTGTTGTGTTCAGTGGG	4871
TJU_CMC.ID04873.3p-miR	9	+	20739554	20739575	ATCGTGCCATTGAACTACAGGC	4872
TJU_CMC.ID04874.5p-miR	9	+	20750851	20750871	GTAGCTGAGAGCTGCCACCTT	4873
TJU_CMC.ID04875.3p-miR	9	+	21053287	21053309	GTGGGACCCCTTTGCCTTAGGGA	4874

Table 1. Novel miRNA sequences

TJU_CMC.ID04876.5p-miR	9	+	22079889	22079910	TTCTAGTAATCCAGATATCTCT	4875
TJU_CMC.ID04877.3p-miR	9	-	22799389	22799411	TCAACTACATGGGCTATGTTTAA	4876
TJU_CMC.ID04878.5p-miR	9	+	23489051	23489070	ATATCTCCAGGGTCCTTATA	4877
TJU_CMC.ID04879.3p-miR	9	+	23719597	23719617	CAGGTCAAAAGGGTTTCTAAA	4878
TJU_CMC.ID04880.3p-miR	9	+	23821745	23821768	CCCGCCCCACCCGCGCCGCGCCGC	4879
TJU_CMC.ID04881.5p-miR	9	-	23848815	23848836	GATGGAAACAGAAATACCCACT	4880
TJU_CMC.ID04882.3p-miR	9	+	24957031	24957031	GTGACCAAATATTTTATGTTTG	4881
TJU_CMC.ID04883.5p-miR	9	+	25634258	25634279	ATACAATTATTGATCTAAAGGT	4882
TJU_CMC.ID04884.5p-miR	9	+	25763974	25763996	AGCAGCAAACATTGAGGCTGCAG	4883
TJU_CMC.ID04885.5p-miR	9	-	25983698	25983719	TGTCAACTTGTCAAATTCATTG	4884
TJU_CMC.ID04886.3p-miR	9	+	26327976	26327995	CCAGGAGGAAGAGAGGTAAA	4885
TJU_CMC.ID04887.3p-miR	9	+	26635738	26635759	TGAGATGAAGCACCAATGGGGA	4886
TJU_CMC.ID04888.3p-miR	9	-	27172052	27172071	AGAAGTGTTGTGTTCAGTGA	4887
TJU_CMC.ID04889.5p-miR	9	+	27339800	27339820	AGCGGCTGTACCACACCAGCA	4888
TJU_CMC.ID04890.3p-miR	9	+	27923837	27923856	ACCGCATTCTCTAATATCAG	4889
TJU_CMC.ID04891.3p-miR	9	-	27948774	27948794	GTATGGCACAGTAAATTACTA	4890
TJU_CMC.ID04892.5p-miR	9	+	28552563	28552584	ATAGGACTGGGAACATGGTCAC	4891
TJU_CMC.ID04893.3p-miR	9	+	28576229	28576250	GCAGCTTGCTAATGCCGCACAG	4892
TJU_CMC.ID04894.5p-miR	9	+	29024618	29024639	ATGACCTATTTTAACTATCTGG	4893
TJU_CMC.ID04895.3p-miR	9	-	29396626	29396647	TCCATGATCTGCCATATCAATC	4894
TJU_CMC.ID04896.3p-miR	9	-	30052299	30052319	ATGCAATGTCTGCCCGCCCCA	4895
TJU_CMC.ID04897.3p-miR	9	-	30213639	30213660	CAAAGTTCTGGGATCAGGTGTG	4896
TJU_CMC.ID04898.3p-miR	9	-	30574411	30574431	GCTGGCGCTCTCGCAGTGGCC	4897
TJU_CMC.ID04899.5p-miR	9	-	31254417	31254436	TGATGATGGCCTGCACGGAG	4898
TJU_CMC.ID04900.5p-miR	9	-	31527158	31527180	CCAGTTCTCAGGCCAGTGACTTT	4899
TJU_CMC.ID04901.3p-miR	9	+	31876937	31876959	GCCCTGTAGTATAGCATGATGCC	4900
TJU_CMC.ID04902.5p-miR	9	-	32222270	32222291	CAGGCGGCAGGGGTTGCAGTGA	4901
TJU_CMC.ID04903.5p-miR	9	-	32567237	32567258	TCGGTTCCCGGCCCATGCCAGT	4902
TJU_CMC.ID04904.3p-miR	9	-	32680876	32680897	GGAGTCAAATCCAGGCATTTTG	4903
TJU_CMC.ID04905.5p-miR	9	-	33011875	33011896	GAGCAGCAATGCAATATTGGAA	4904
TJU_CMC.ID04906.3p-miR	9	-	33222167	33222187	CTGACATCAGCACTCTGATAA	4905

Table 1. Novel miRNA sequences

TJU_CMC.ID04907.3p-miR	9	+	33346966	33346987	ATATGATGTATAATGGTTTACA	4906
TJU_CMC.ID04908.3p-miR	9	+	33448441	33448462	CACATGTTTGCCAGCAGGCTGA	4907
TJU_CMC.ID04909.5p-miR	9	+	33830976	33830999	GGCTGGTCCGAGTGCAGTGGTATT	4908
TJU_CMC.ID04910.5p-miR	9	+	34217981	34218002	TAGCTCGCGTCTGTGATCCCAG	4909
TJU_CMC.ID04911.5p-miR	9	-	34514940	34514960	CTCCAAGGTGAACAGCTCTGT	4910
TJU_CMC.ID04912.5p-miR	9	+	34664808	34664829	TATAGGCGACTCACAGTATGGG	4911
TJU_CMC.ID04913.5p-miR	9	+	34700001	34700023	AGAGCTGACCTGATGAAGGTGAG	4912
TJU_CMC.ID04914.5p-miR	9	+	34715281	34715302	GTAGAAGAGAGTGAGGAGCTCG	4913
TJU_CMC.ID04915.3p-miR	9	+	35161426	35161445	ATCCCTCCGTGGTTACCATC	4914
TJU_CMC.ID04916.5p-miR	9	+	35578516	35578538	GTATATACAGGTATGGTGATGAG	4915
TJU_CMC.ID04917.3p-miR	9	-	35719491	35719510	CCGGATGCTAGCTTCCGGGT	4916
TJU_CMC.ID04918.5p-miR	9	-	35791652	35791671	CCCCGCGCGCGCCGCTCGTC	4917
TJU_CMC.ID04919.5p-miR	9	-	35841044	35841065	CAGAACCTGCTGGGCGGGCTGG	4918
TJU_CMC.ID04920.5p-miR	9	+	36117225	36117247	TATGATATTTTACAGATGAATCA	4919
TJU_CMC.ID04921.3p-miR	9	+	36487513	36487534	TGAGGCGGCGGCGGCAGCGACC	4920
TJU_CMC.ID04922.3p-miR	9	-	36628911	36628931	AGATCGTGTCACTGCAGCACT	4921
TJU_CMC.ID04923.3p-miR	9	+	37034370	37034392	GAGCGAGGAAAGGGTAGGCGCTG	4922
TJU_CMC.ID04924.3p-miR	9	+	37501454	37501476	TAGCAGTGCCCAGGTAGAGTGTA	4923
TJU_CMC.ID04925.5p-miR	9	+	37787364	37787383	GAGGGCGCGCGGGTCGGTTC	4924
TJU_CMC.ID04926.5p-miR	9	-	37922508	37922530	ACAGCAGGCTCAGACAGGCAGGA	4925
TJU_CMC.ID04927.3p-miR	9	-	38022337	38022359	GTGTTGAATTACGATGCAGTCGA	4926
TJU_CMC.ID04928.5p-miR	9	+	38411396	38411417	ATCACATGCGGTCATCGGGAGC	4927
TJU_CMC.ID04929.3p-miR	9	+	38679745	38679766	TTGTTCATTGAACTAGGCTATA	4928
TJU_CMC.ID04930.5p-miR	9	+	45404518	45404537	ATGGACGGCTGATGCGGTCT	4929
TJU_CMC.ID04931.3p-miR	9	-	66863072	66863092	GACTGACAAACATTGAGACCC	4930
TJU_CMC.ID04932.5p-miR	9	-	68493294	68493315	CAGAGCAAAGCACTGTAAACTT	4931
TJU_CMC.ID04933.3p-miR	9	+	71099025	71099047	AGAACTGGAGAGGTCCTTAGGGA	4932
TJU_CMC.ID04934.5p-miR	9	+	71236692	71236714	GAGCTTGCTGAGACATACAACAC	4933
TJU_CMC.ID04935.3p-miR	9	-	71401711	71401734	ACTTTTGTTTTGTACTCTACTCTA	4934
TJU_CMC.ID04936.3p-miR	9	-	72280989	72281009	CTGACCTATGAATCAGTACTG	4935
TJU_CMC.ID04937.5p-miR	9	+	72724410	72724431	TTGATGTATGAGTTTATGTGCA	4936

Table 1. Novel miRNA sequences

TJU_CMC.ID04938.5p-miR	9	-	73205983	73206002	CTTCTACATGCCCTATTGGA	4937
TJU_CMC.ID04939.3p-miR	9	+	73399138	73399159	ATCACATTGGGTCCTCCTTCCA	4938
TJU_CMC.ID04940.3p-miR	9	-	74037910	74037932	TGTCAGTTTACTGGGCTGAGACC	4939
TJU_CMC.ID04941.3p-miR	9	-	74083532	74083551	TGTGCAAATTTGCATGCAGA	4940
TJU_CMC.ID04942.5p-miR	9	-	74384964	74384985	TGATTCAGTAGATTGCGCGACG	4941
TJU_CMC.ID04943.5p-miR	9	-	74622986	74623008	GTGCTTCACGCGGAAATACACGC	4942
TJU_CMC.ID04944.3p-miR	9	-	76208816	76208837	TAGCTTATCTTCATTATGGGGT	4943
TJU_CMC.ID04945.3p-miR	9	-	76345892	76345914	AGTGCAAATCCATGCATTTGCAC	4944
TJU_CMC.ID04946.5p-miR	9	-	77492923	77492943	TGCCAACTGTGGTGGGTGGGG	4945
TJU_CMC.ID04947.5p-miR	9	+	77652599	77652618	CCTATTGTGTACTGCGCATG	4946
TJU_CMC.ID04948.3p-miR	9	+	78904616	78904637	TAGCTTATGTCTGACTTGTGGA	4947
TJU_CMC.ID04949.5p-miR	9	+	79201319	79201338	TAGAGCAGCCATATCGTCAA	4948
TJU_CMC.ID04950.5p-miR	9	+	79608761	79608783	TCTCCCAAGTAGGTGCAACTACA	4949
TJU_CMC.ID04951.3p-miR	9	-	80253513	80253535	CACTGGTTTGCTGGGCTGAAGCC	4950
TJU_CMC.ID04952.5p-miR	9	+	81007616	81007637	TGTCAGTTCACTCCAGCAAAAC	4951
TJU_CMC.ID04953.3p-miR	9	-	81058974	81058995	CACTGACTCACTGGGGCAAAAC	4952
TJU_CMC.ID04954.5p-miR	9	+	81145415	81145436	GAGCTGGAGAGTCAATCGTGTA	4953
TJU_CMC.ID04955.5p-miR	9	+	81336667	81336688	TCTGGCTGGAGGCAGGGCTGGT	4954
TJU_CMC.ID04956.3p-miR	9	-	81865885	81865904	GCTGTGCCATTGAAGTGTCA	4955
TJU_CMC.ID04957.5p-miR	9	+	81896918	81896939	TATACAGTAGACTCATTATGGA	4956
TJU_CMC.ID04958.5p-miR	9	+	82232827	82232846	ACTCCATGATGTTGTGAATT	4957
TJU_CMC.ID04959.3p-miR	9	+	82601457	82601477	ACATGGCACTCGCCATTACGG	4958
TJU_CMC.ID04960.5p-miR	9	+	82825098	82825119	ACAGTAGTCTGGTGATGTGTGC	4959
TJU_CMC.ID04961.3p-miR	9	+	82852642	82852661	GGCCAACTTAGATGCAGTGT	4960
TJU_CMC.ID04962.3p-miR	9	+	82898982	82899002	TAGCTTGCTGAGTCAGTGGAA	4961
TJU_CMC.ID04963.5p-miR	9	+	83126751	83126772	CATTTTGAGTATAAGCTTGACT	4962
TJU_CMC.ID04964.3p-miR	9	+	83874371	83874390	GTCCAGTTTTCCCACGTGCG	4963
TJU_CMC.ID04965.5p-miR	9	+	85466527	85466548	TAGCTTATCTTCACAGGTTTGA	4964
TJU_CMC.ID04966.5p-miR	9	-	85847660	85847679	AAGCTAGGGCAGTAGTGGGG	4965
TJU_CMC.ID04967.5p-miR	9	+	86141096	86141117	TTGCACATTTGCTTAGGGACCC	4966
TJU_CMC.ID04968.3p-miR	9	+	86221144	86221167	AGGTCTAACTGGTTGGGGCTACTC	4967

Table 1. Novel miRNA sequences

TJU_CMC.ID04969.3p-miR	9	+	86592427	86592446	TAATCTTAACTGTTAGTGGA	4968
TJU_CMC.ID04970.3p-miR	9	+	86856487	86856506	CTGTGTTGCTATGGGTTATC	4969
TJU_CMC.ID04971.5p-miR	9	+	86930210	86930231	TAGTCCTTAGGGTCCCTACTGA	4970
TJU_CMC.ID04972.3p-miR	9	-	86937194	86937214	AATGATGTCCAATGTCTCTTT	4971
TJU_CMC.ID04973.3p-miR	9	+	86939104	86939125	ATCTGTATGGGTCAGATCCTTG	4972
TJU_CMC.ID04974.3p-miR	9	-	86954913	86954934	TTGACTGGGTCTGGGATGGGGA	4973
TJU_CMC.ID04975.3p-miR	9	+	88127036	88127059	CCTCCTCCTGGGAAAGGTCCTTTC	4974
TJU_CMC.ID04976.5p-miR	9	-	88216316	88216336	ATCCCTAGGCTCCCAGGTATG	4975
TJU_CMC.ID04977.5p-miR	9	-	88653453	88653474	TCAGTACCCACTCCCTACCCCA	4976
TJU_CMC.ID04978.3p-miR	9	+	88870382	88870404	GTTTGACACCTTTGAAGGTGGGA	4977
TJU_CMC.ID04979.5p-miR	9	-	89039419	89039440	CCTCATCAGACGTGATTATGGC	4978
TJU_CMC.ID04980.5p-miR	9	+	89336383	89336402	GTTCCAGTTTTCCCTGGAAT	4979
TJU_CMC.ID04981.5p-miR	9	-	89456336	89456357	GACAATGGCAACAGCATCTCAA	4980
TJU_CMC.ID04982.3p-miR	9	-	89948514	89948533	CTGTGACTCTTAGCGGAGGA	4981
TJU_CMC.ID04983.5p-miR	9	-	90195956	90195977	AAGTTACGCGATAGCTATCTAA	4982
TJU_CMC.ID04984.5p-miR	9	-	90781257	90781277	CCTGCAGTGGCTAAGTTCCAG	4983
TJU_CMC.ID04985.5p-miR	9	+	91252333	91252354	TCTGCCATTAGACTGATAGGTT	4984
TJU_CMC.ID04986.5p-miR	9	-	91793457	91793477	CGTCCCGCTCCGGGGACAGTG	4985
TJU_CMC.ID04987.3p-miR	9	-	91861600	91861621	TGTGCAAGTCCATGCAACCAGG	4986
TJU_CMC.ID04988.3p-miR	9	+	91933608	91933629	GGCTGGTCCAGCGGGCGTGGGT	4987
TJU_CMC.ID04989.3p-miR	9	-	92219275	92219294	CGCGGCGGGGCGCGGGAGAC	4988
TJU_CMC.ID04990.3p-miR	9	+	92265921	92265941	ATGACCTATTAATTGGCATAA	4989
TJU_CMC.ID04991.5p-miR	9	-	92489692	92489714	CAAAGTGCAATGTCTGCAGACAT	4990
TJU_CMC.ID04992.3p-miR	9	-	92493507	92493527	CTGACCTAAAGGCGTCACCAA	4991
TJU_CMC.ID04993.3p-miR	9	+	92755289	92755310	TCAGTCGTGTGACCTACTTTGT	4992
TJU_CMC.ID04994.5p-miR	9	+	92843892	92843911	TGTTTGCATGGAGGTGGTCT	4993
TJU_CMC.ID04995.5p-miR	9	+	93470403	93470425	TTAGAAGCTGAGTAGATGTTGAC	4994
TJU_CMC.ID04996.5p-miR	9	-	93620093	93620113	GGCTAAGGTGGGCTGGGCAGA	4995
TJU_CMC.ID04997.5p-miR	9	+	93636843	93636864	CAACATTGATGCTACTCTGAGT	4996
TJU_CMC.ID04998.3p-miR	9	-	93714151	93714170	TGAAGACAGATTAGATGTAT	4997
TJU_CMC.ID04999.3p-miR	9	+	93944883	93944904	TTACGCAACCCGGTGCATGACA	4998

Table 1. Novel miRNA sequences

TJU_CMC.ID05000.5p-miR	9	-	94213191	94213210	TTAGGTACCATTAAAGTAGA	4999
TJU_CMC.ID05001.3p-miR	9	-	94464275	94464296	AGAGGGTGCCCTTGTACACTGT	5000
TJU_CMC.ID05002.3p-miR	9	+	94936125	94936145	GGGAGAGGAAATGTTCGATAA	5001
TJU_CMC.ID05003.3p-miR	9	+	95366609	95366628	TGTGCAAAAGATACGTCACT	5002
TJU_CMC.ID05004.5p-miR	9	+	95378549	95378569	CTGTGCGTGTGACAGCTGTCT	5003
TJU_CMC.ID05005.5p-miR	9	+	95398592	95398614	ACAGCAGATCCATGCATGGTCAA	5004
TJU_CMC.ID05006.3p-miR	9	+	95527724	95527744	AACCCGTGGACGGTGTGACGC	5005
TJU_CMC.ID05007.3p-miR	9	+	95682922	95682941	AAACCTTAACATCATTGACT	5006
TJU_CMC.ID05008.5p-miR	9	-	95789390	95789411	GCAGCCCCCGGCACCTCTGTTG	5007
TJU_CMC.ID05009.5p-miR	9	+	95952228	95952247	TGCATGGCACTCACTTACTG	5008
TJU_CMC.ID05010.5p-miR	9	+	95968098	95968119	GTCTTGCTGCTGGGGACACTGG	5009
TJU_CMC.ID05011.3p-miR	9	-	96068548	96068567	TTGGAGGCCAAGTCTGGATC	5010
TJU_CMC.ID05012.5p-miR	9	+	96727242	96727265	GCCCTGTGGACTCAGTTCTGGTCA	5011
TJU_CMC.ID05013.3p-miR	9	+	97376965	97376985	TGCTGCCCCACTGGGCGTGGG	5012
TJU_CMC.ID05014.5p-miR	9	-	97827689	97827709	CGCCTTGGCCGGCACTGCTCC	5013
TJU_CMC.ID05015.5p-miR	9	-	98161094	98161114	ACAGGACTTAGGTTTATGGTG	5014
TJU_CMC.ID05016.3p-miR	9	+	98265044	98265065	ATATTAGTCTGCACATTGTGGC	5015
TJU_CMC.ID05017.5p-miR	9	-	98282325	98282344	TGGCTTATCAGACTGGGAAG	5016
TJU_CMC.ID05018.3p-miR	9	+	98639413	98639432	AAAACAAATGATTTCGACTC	5017
TJU_CMC.ID05019.3p-miR	9	-	99148272	99148291	AACAGCATAAGAATAAACAT	5018
TJU_CMC.ID05020.3p-miR	9	+	99258334	99258355	CAGCAGCACTGCCCTGCTGCGC	5019
TJU_CMC.ID05021.5p-miR	9	+	99516103	99516123	AGGCTTCATTAGTTAGCGATG	5020
TJU_CMC.ID05022.3p-miR	9	+	100482798	100482819	ATCACATGTGACTTTATAAGAC	5021
TJU_CMC.ID05023.3p-miR	9	-	100675565	100675588	TACCAATGATGTTAACTCCTGAGA	5022
TJU_CMC.ID05024.3p-miR	9	-	100700457	100700478	AAAAGCATCTAGGCTGCTTGTG	5023
TJU_CMC.ID05025.3p-miR	9	+	100795896	100795917	GTCATCATTAGCAGAGAGAATC	5024
TJU_CMC.ID05026.5p-miR	9	+	101517229	101517250	CTGAATCTCTAGGGGCTTCAAT	5025
TJU_CMC.ID05027.3p-miR	9	-	102118452	102118471	GCTGAACAGCCTCTGATGCA	5026
TJU_CMC.ID05028.3p-miR	9	+	102965015	102965036	TCCACTATTAGGTCAGCAGGCT	5027
TJU_CMC.ID05029.3p-miR	9	-	103242211	103242232	AAACCGTTTGGTAATTCCTCAA	5028
TJU_CMC.ID05030.5p-miR	9	+	103396523	103396545	CAGTGGTTACAGGTGCATGCCAC	5029

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TJU_CMC.ID05031.5p-miR	9	+	103573572	103573591	CCCTGCCCTATAGGGATGTC	5030
TJU_CMC.ID05032.3p-miR	9	+	103596615	103596636	TGACACCATCTGCATAGCCAGC	5031
TJU_CMC.ID05033.5p-miR	9	+	103753545	103753566	TTAGCAATGTCTGCTATAGATA	5032
TJU_CMC.ID05034.3p-miR	9	+	104201390	104201412	GTGAGTAAGACTGGCCTATTCTC	5033
TJU_CMC.ID05035.3p-miR	9	+	104213762	104213781	ATGAGATGATATATATATGT	5034
TJU_CMC.ID05036.3p-miR	9	+	104268801	104268824	TGATTTGCCTCTAACAGAGACTTG	5035
TJU_CMC.ID05037.3p-miR	9	+	104559839	104559858	ATCCCACTCGACTGTGTTTA	5036
TJU_CMC.ID05038.3p-miR	9	+	105204578	105204599	TTCCAACTTATTAGAAATATGT	5037
TJU_CMC.ID05039.5p-miR	9	-	105519119	105519138	TCCCTGAGACCCTAGGAACA	5038
TJU_CMC.ID05040.5p-miR	9	-	105969563	105969584	TTTCACAACACTTTTATTTTTG	5039
TJU_CMC.ID05041.5p-miR	9	-	106358058	106358077	CCTCCCTTCCTAACATGTTG	5040
TJU_CMC.ID05042.5p-miR	9	+	107409396	107409417	ACATATACATCTATACATGTGG	5041
TJU_CMC.ID05043.5p-miR	9	-	107896093	107896115	TAGCTTATCATACCTGCAAACCA	5042
TJU_CMC.ID05044.5p-miR	9	+	108108807	108108827	ATCACATTGGGTCCTCTGCAC	5043
TJU_CMC.ID05045.3p-miR	9	-	108642288	108642310	ACTTAACTGTCAATAGAGGGTTG	5044
TJU_CMC.ID05046.5p-miR	9	+	108771811	108771832	CATACTACTGCTGCAACCATGA	5045
TJU_CMC.ID05047.3p-miR	9	-	109120986	109121005	GCTGCTGCCATAGTTCCTTC	5046
TJU_CMC.ID05048.3p-miR	9	+	109205519	109205539	CATTCCATAACATGAGCAGGT	5047
TJU_CMC.ID05049.5p-miR	9	-	109723140	109723161	TTATGTTGCCCAGGTAACCAAT	5048
TJU_CMC.ID05050.3p-miR	9	-	110263165	110263184	CTGCACAATCCTGGGCTGGA	5049
TJU_CMC.ID05051.5p-miR	9	-	110822034	110822054	TCCCCAGTACGAGGTCCATCT	5050
TJU_CMC.ID05052.5p-miR	9	-	110854508	110854529	GTTCTCAACACAAATATTTTTGC	5051
TJU_CMC.ID05053.3p-miR	9	-	111006204	111006225	TCTAGTAGACTCTCATATTGGC	5052
TJU_CMC.ID05054.5p-miR	9	-	111243399	111243420	AATATTATCACTGCAGCATGTA	5053
TJU_CMC.ID05055.3p-miR	9	-	111760545	111760565	GGGAGGTTGACCTGTACATTG	5054
TJU_CMC.ID05056.3p-miR	9	-	111992706	111992725	ATGCAATGTCTGCCACCCAG	5055
TJU_CMC.ID05057.3p-miR	9	+	112510249	112510271	CTGGCTATATGTCCATAATTTTA	5056
TJU_CMC.ID05058.3p-miR	9	-	112677136	112677157	TTCTCAGGACCCTATGAACACT	5057
TJU_CMC.ID05059.3p-miR	9	-	113386555	113386575	TAGTCAATGTCAAAAACCCCA	5058
TJU_CMC.ID05060.5p-miR	9	+	113864746	113864766	CAACTCCAAATTTTTCATTTG	5059
TJU_CMC.ID05061.3p-miR	9	+	114672891	114672910	ATTATTTGTGGTCATATATA	5060

Table 1. Novel miRNA sequences

TJU_CMC.ID05062.5p-miR	9	+	114713070	114713092	TCTGAATAGTCTGACTATTTGGT	5061
TJU_CMC.ID05063.5p-miR	9	-	115078839	115078861	TGTCAGGAATCTGGGCGTGGGTT	5062
TJU_CMC.ID05064.5p-miR	9	-	115472098	115472118	AAGTAATCTGAGACTGTTTGT	5063
TJU_CMC.ID05065.5p-miR	9	-	115637825	115637846	CGTAATACTAAATATTCAGCCA	5064
TJU_CMC.ID05066.5p-miR	9	+	116362771	116362790	CTGAGAAGATGGGGGGGGCC	5065
TJU_CMC.ID05067.3p-miR	9	-	116548947	116548968	TTATAGGGGTCCATCTCCACCA	5066
TJU_CMC.ID05068.5p-miR	9	-	116761945	116761964	GTGGGGGGCCCAAGTCAGTG	5067
TJU_CMC.ID05069.3p-miR	9	+	116896864	116896885	ACAGCAGGCACAGCCAGGCCTC	5068
TJU_CMC.ID05070.3p-miR	9	-	116916323	116916343	TCCGCTGGGGGCGGGGAGGGG	5069
TJU_CMC.ID05071.3p-miR	9	-	117050192	117050215	CATGACATCCGCAGTGCAGTGCTG	5070
TJU_CMC.ID05072.3p-miR	9	+	117218912	117218931	AGCCTGGTCCACATGAGGAG	5071
TJU_CMC.ID05073.5p-miR	9	+	117320977	117320998	TGGCTCAGTTCAGCTGGAAGCA	5072
TJU_CMC.ID05074.5p-miR	9	+	117453542	117453563	TCTGAGTAATCACTGAATCATC	5073
TJU_CMC.ID05075.3p-miR	9	-	117461893	117461912	TCTCTTCTCTCACTCAGATC	5074
TJU_CMC.ID05076.3p-miR	9	-	117681501	117681522	TATACTACATGTGTATACATAT	5075
TJU_CMC.ID05077.5p-miR	9	-	117766076	117766096	TTCACCTGTTAGCCTAAGTTG	5076
TJU_CMC.ID05078.3p-miR	9	-	119179194	119179215	AAACATGGAAACTTAGCAGACT	5077
TJU_CMC.ID05079.5p-miR	9	-	119224934	119224953	TATATTATCACCAAACCTAC	5078
TJU_CMC.ID05080.3p-miR	9	+	119466464	119466483	ATTTAAATAAGGGTGTTGGT	5079
TJU_CMC.ID05081.5p-miR	9	-	119510149	119510168	ATCGCAATTACCAGGGCAGG	5080
TJU_CMC.ID05082.3p-miR	9	-	119755521	119755540	ATCATAGAGGCTAATGTGCT	5081
TJU_CMC.ID05083.5p-miR	9	-	119824579	119824599	GGTGGCTGTCTAGAGATAGTT	5082
TJU_CMC.ID05084.3p-miR	9	-	120050998	120051020	TGGCTCAGACTCTACCCTTGTCA	5083
TJU_CMC.ID05085.5p-miR	9	-	120064897	120064919	TCAGATGCTGAGTCCCCTGGGTT	5084
TJU_CMC.ID05086.5p-miR	9	-	122139513	122139534	TGGATACTTCACTCAGGATCTC	5085
TJU_CMC.ID05087.3p-miR	9	+	122167929	122167950	AAGCTTATCAGGAGTCTGTTGA	5086
TJU_CMC.ID05088.5p-miR	9	+	122494938	122494960	TAGCACCATTACTTTAGTTGTGA	5087
TJU_CMC.ID05089.3p-miR	9	+	122513853	122513873	ACAATTTATTCAACACCATTA	5088
TJU_CMC.ID05090.3p-miR	9	+	122814706	122814728	ATAACTGAAAGGGTCCTTATTTC	5089
TJU_CMC.ID05091.5p-miR	9	-	122817099	122817118	CCCACAAGCTATTTTGATCT	5090
TJU_CMC.ID05092.3p-miR	9	-	122962484	122962505	TGTCAGGGGACTGGGGCAAATG	5091

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TJU_CMC.ID05093.3p-miR	9	+	123131308	123131331	TCACCAGCACTGTTGGGGAAGATG	5092
TJU_CMC.ID05094.3p-miR	9	+	123230409	123230430	TCAGGATACCCTGTGCACAGTG	5093
TJU_CMC.ID05095.5p-miR	9	+	123364620	123364642	CAGATGCCACAGTTTATGGGGCC	5094
TJU_CMC.ID05096.5p-miR	9	-	123592495	123592514	AAGACAACAAACTGGCTGTG	5095
TJU_CMC.ID05097.3p-miR	9	+	123819362	123819381	TGCTGAGGAAAAGAAACATC	5096
TJU_CMC.ID05098.5p-miR	9	+	124360770	124360791	CCGCTGGCCGAGGCACTGCCGA	5097
TJU_CMC.ID05099.3p-miR	9	-	124365583	124365602	CAGGCGATTCCTCCACCCTG	5098
TJU_CMC.ID05100.3p-miR	9	+	124754725	124754744	ATTTAATCGATCTGAGATGA	5099
TJU_CMC.ID05101.3p-miR	9	-	124784492	124784513	AAAATATTTGCCCATTATTTCT	5100
TJU_CMC.ID05102.5p-miR	9	+	124855576	124855597	ACAGCGGCAGTCACCGCATCGA	5101
TJU_CMC.ID05103.3p-miR	9	+	125140153	125140176	TCTGACCTCCATTTCTCACCCACA	5102
TJU_CMC.ID05104.3p-miR	9	-	125216053	125216073	ATATTGGAGTCTAGTTTGCCC	5103
TJU_CMC.ID05105.3p-miR	9	+	125288897	125288916	CCCTCAGGATAGCTGGCACA	5104
TJU_CMC.ID05106.5p-miR	9	+	125336975	125336996	ATTGCATTAGGTAGGATTTCCA	5105
TJU_CMC.ID05107.5p-miR	9	+	125450487	125450508	AAGATGCTGCTTGGCATATCAA	5106
TJU_CMC.ID05108.3p-miR	9	+	125978872	125978894	AAGCTTATCAGAGTGTACTTGAA	5107
TJU_CMC.ID05109.5p-miR	9	+	126357556	126357577	AGGGATTCTCAAGCCAGGTCAG	5108
TJU_CMC.ID05110.5p-miR	9	-	127038824	127038845	TGTTCCAGCCACTGTCGTCCTG	5109
TJU_CMC.ID05111.3p-miR	9	+	127064855	127064876	TGGAGAGCCAGGCAGCCTTCAG	5110
TJU_CMC.ID05112.3p-miR	9	+	127269684	127269705	TGTCCGTCCGTCCTCCTCCTCC	5111
TJU_CMC.ID05113.3p-miR	9	+	127456042	127456062	CTCACTGATCAATGAATGCAA	5112
TJU_CMC.ID05114.5p-miR	9	-	128054150	128054171	TTCACAGTGGCTCCTGGAACAC	5113
TJU_CMC.ID05115.5p-miR	9	-	128228981	128229001	TCATCCCAGCGAGGCCTCCGA	5114
TJU_CMC.ID05116.3p-miR	9	-	128298535	128298556	TCCCTGTCTGGAGTGCTCTGAG	5115
TJU_CMC.ID05117.3p-miR	9	-	128501827	128501847	TCAGTCATAAGGCCAATGATT	5116
TJU_CMC.ID05118.5p-miR	9	+	128642292	128642314	TAATAATAGTAGCTGTTGTTGAC	5117
TJU_CMC.ID05119.5p-miR	9	+	129279013	129279034	TTGACCACCACTCCCGCCCCCA	5118
TJU_CMC.ID05120.5p-miR	9	+	129349669	129349689	TTACACTGTTAGCCCCAAGGCC	5119
TJU_CMC.ID05121.5p-miR	9	-	129370378	129370399	TGTGCAAATACATGCATTTGAT	5120

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TJU_CMC.ID05122.3p-miR	9	+	129406012	129406033	TGGACTCCCTTGTGTTTCCCCA	5121
TJU_CMC.ID05123.3p-miR	9	+	129445523	129445543	CATTCCAGCCGCGTGATTGAC	5122
TJU_CMC.ID05124.5p-miR	9	-	129450756	129450776	CTGACCTAGTGGCCACACTAA	5123
TJU_CMC.ID05125.3p-miR	9	-	129766470	129766489	TCACGCCATTGCGCTTTAGC	5124
TJU_CMC.ID05126.3p-miR	9	-	129796343	129796364	CAGAACTCATCCCCACATAGTT	5125
TJU_CMC.ID05127.5p-miR	9	-	129851372	129851391	GGCTGGTGGTATAACGCCTG	5126
TJU_CMC.ID05128.3p-miR	9	+	129912231	129912252	ATCACATGCGGTCAAATAAGGC	5127
TJU_CMC.ID05129.5p-miR	9	-	130210825	130210846	ACCCCAGCTTAGGAAACAGGGT	5128
TJU_CMC.ID05130.3p-miR	9	-	130297435	130297456	GTCTGTGGGCTGGGTGCACTGG	5129
TJU_CMC.ID05131.5p-miR	9	-	130321511	130321532	TGCTCTGAAAGCTGTCCTGTTC	5130
TJU_CMC.ID05132.3p-miR	9	-	130502445	130502468	GACAGTGATGACAGCCTGGCTGAG	5131
TJU_CMC.ID05133.5p-miR	9	+	130504817	130504836	GGCAGAGCAGTTTTAAGAAC	5132
TJU_CMC.ID05134.3p-miR	9	-	130539457	130539476	GGGACATGTGGCGTAAAGGG	5133
TJU_CMC.ID05135.5p-miR	9	-	130548580	130548600	CTCGGGGGGGGCCCGGGCATC	5134
TJU_CMC.ID05136.3p-miR	9	+	130596023	130596042	CTTTTAATCATCTTGCCATT	5135
TJU_CMC.ID05137.5p-miR	9	+	131085136	131085158	CCATGGCGACTCTGCTGCGCCCT	5136
TJU_CMC.ID05138.3p-miR	9	+	131156332	131156355	CAGGCTCCAGCAGGCTCCTGGGTA	5137
TJU_CMC.ID05139.5p-miR	9	+	131250995	131251015	AAATGAGAATAAGGGGCCGGG	5138
TJU_CMC.ID05140.5p-miR	9	-	131286952	131286930	CTCAAGTAATCCGAGAATCGCTT	5139
TJU_CMC.ID05141.5p-miR	9	-	131494461	131494484	GGCCTGTGATGGGAATCTGAGGCA	5140
TJU_CMC.ID05142.3p-miR	9	+	131723700	131723720	AGAAATGCTTGAATCCAGGTG	5141
TJU_CMC.ID05143.3p-miR	9	+	131810822	131810844	AGCAGCAGGTGCCAGGGCTCCAG	5142
TJU_CMC.ID05144.3p-miR	9	-	131870108	131870129	GGGGCTGGAGCGTCGGGGCCAGG	5143
TJU_CMC.ID05145.3p-miR	9	-	132362025	132362045	CTACTGGGCTGCTGCATTCTC	5144
TJU_CMC.ID05146.5p-miR	9	+	132637844	132637865	CCGCCCCACAAATACCACTACA	5145
TJU_CMC.ID05147.5p-miR	9	+	132872562	132872584	ATCTGTAGTAAAGGGTAACTTCC	5146
TJU_CMC.ID05148.5p-miR	9	+	132945535	132945556	TGAGATGCGATGTCACCATTTC	5147
TJU_CMC.ID05149.5p-miR	9	-	133237538	133237557	CTGACCTGCAGGCCAGGGGT	5148
TJU_CMC.ID05150.5p-miR	9	-	133425290	133425312	CCCAGTGTTCACTGATGGATGAA	5149
TJU_CMC.ID05151.5p-miR	9	-	133507732	133507752	GAGTTGAACGAGGGCGTTTTG	5150
TJU_CMC.ID05152.5p-miR	9	+	133932316	133932338	GTCCAGTGTTCCTGACTGAGGTC	5151

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TJU_CMC.ID05153.5p-miR	9	+	133971993	133972012	GCCGGCGGGAGCCCCGCGCT	5152
TJU_CMC.ID05154.5p-miR	9	+	133978944	133978965	TAGCTTGAGTCTGTGAGGTTGA	5153
TJU_CMC.ID05155.5p-miR	9	+	134420921	134420944	CGCGGCGCAAGCGGAGCCGGCCCG	5154
TJU_CMC.ID05156.3p-miR	9	+	134674690	134674711	TAGCAGGTGCTTTTATGGGGCC	5155
TJU_CMC.ID05157.3p-miR	9	-	134778112	134778131	GTATCTGGAGTCTAGTCTGG	5156
TJU_CMC.ID05158.5p-miR	9	+	135039683	135039702	CCGCGCGCGCCGCTCGCCCC	5157
TJU_CMC.ID05159.5p-miR	9	+	135080092	135080112	TTCCTCATTAAGTCCTATCCT	5158
TJU_CMC.ID05160.5p-miR	9	+	135308678	135308698	TGAGGGCTGCTGGGTTTCTGT	5159
TJU_CMC.ID05161.3p-miR	9	+	135519175	135519196	TGCTGCACGGTCTTTATAAACG	5160
TJU_CMC.ID05162.5p-miR	9	-	135535151	135535172	CCCAGTGTTCAGAAGCAAAGTA	5161
TJU_CMC.ID05163.5p-miR	9	+	135665065	135665085	GTCAGAAATCTGGTATGGGTC	5162
TJU_CMC.ID05164.5p-miR	9	-	135746908	135746930	GTCACTGGGTCCCAGGAACCACT	5163
TJU_CMC.ID05165.3p-miR	9	+	135821134	135821156	CCGCGATGACTTTTGCATCAACC	5164
TJU_CMC.ID05166.5p-miR	9	+	136007692	136007712	CAGGCGGCAGGGGTTGGTATC	5165
TJU_CMC.ID05167.3p-miR	9	+	136188591	136188612	GTCCCTGGGGAAACTTCCCACG	5166
TJU_CMC.ID05168.5p-miR	9	-	136275423	136275444	GTCACTTTGAGTTTATGGGCAA	5167
TJU_CMC.ID05169.3p-miR	9	+	136335011	136335033	TGAACTGTTTCCCAGGAACACCT	5168
TJU_CMC.ID05170.3p-miR	9	+	136399123	136399145	TGCCCTGACTCAGCAGGAACAGA	5169
TJU_CMC.ID05171.5p-miR	9	+	136406071	136406092	TAGCAGCTGCACCCACGTGACG	5170
TJU_CMC.ID05172.3p-miR	9	+	136536607	136536627	CCCCCCACTGCGCCCGCCCCC	5171
TJU_CMC.ID05173.3p-miR	9	-	136857016	136857036	TCCGAGACGCGACCTCAGGAG	5172
TJU_CMC.ID05174.3p-miR	9	-	136876914	136876934	CTTTAGCCAGCAGGCTGACTT	5173
TJU_CMC.ID05175.5p-miR	9	+	136933666	136933688	CGCGCGCGGGGCGGGGGGGCGGGG	5174
TJU_CMC.ID05176.5p-miR	9	-	137040687	137040707	TGAGGGCTGCTGGGTGCCTGG	5175
TJU_CMC.ID05177.3p-miR	9	-	137218352	137218371	CGGTGGCGGCGGCGGCGCGC	5176
TJU_CMC.ID05178.5p-miR	9	-	137430722	137430742	AAGTGACGGCCTCTCTATCCA	5177
TJU_CMC.ID05179.3p-miR	9	+	137477558	137477578	TCTCCTGGTTTCCAGCAACTC	5178
TJU_CMC.ID05180.3p-miR	9	-	137496850	137496870	GTTATCCTGTCTTCTTCACCA	5179
TJU_CMC.ID05181.5p-miR	9	-	137498397	137498416	GGACATGTGGATGCAGCTTC	5180

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TJU_CMC.ID05182.3p-miR	9	-	137675322	137675341	GTTACTGGGGAAACCTCCAA	5181
TJU_CMC.ID05183.5p-miR	9	+	138231755	138231776	GGACCACCTCACTCCCGGCTTC	5182
TJU_CMC.ID05184.3p-miR	9	+	138265535	138265557	CTCTCTCTCTCCCCCGCTCCCCA	5183
TJU_CMC.ID05185.3p-miR	9	-	138315198	138315219	TTACACTGTTATAAGTTTTGCA	5184
TJU_CMC.ID05186.5p-miR	9	+	138379015	138379035	GGCGTGTGCACACGCAGCCAG	5185
TJU_CMC.ID05187.5p-miR	9	-	138663644	138663663	CCTGGCCCTGCTCCCTAACT	5186
TJU_CMC.ID05188.3p-miR	9	-	138794959	138794981	ATCTCGGCCACTGTGCGTTTTGT	5187
TJU_CMC.ID05189.3p-miR	9	+	138813487	138813508	TCCCTGTCACCCTAGTCCAACA	5188
TJU_CMC.ID05190.3p-miR	9	+	138846284	138846305	TGTCTCAAAAGAGCATGGGTTC	5189
TJU_CMC.ID05191.3p-miR	9	-	138852072	138852091	AGTAAGGTCAGCTAAGAAGC	5190
TJU_CMC.ID05192.5p-miR	9	+	138880064	138880085	CCCGACTCACAAGCCAGGTGTC	5191
TJU_CMC.ID05193.3p-miR	9	-	138971951	138971973	AGTGGCATGGGCTTTGGCTGGCA	5192
TJU_CMC.ID05194.3p-miR	9	-	138986568	138986587	CCCACCCCTCCCGGCGCATC	5193
TJU_CMC.ID05195.5p-miR	9	-	139018312	139018333	TTCACTGCTGTCAACGCAAAAC	5194
TJU_CMC.ID05196.3p-miR	9	-	139235020	139235043	CGCGAGGGGGCCCGGCCCCCGCCCGG	5195
TJU_CMC.ID05197.3p-miR	9	+	139565972	139565993	TGGACACTGACCAGGACCCCCC	5196
TJU_CMC.ID05198.3p-miR	9	+	139653576	139653597	TATCAGTGGTGAGGGGCAAAAC	5197
TJU_CMC.ID05199.5p-miR	9	-	139702417	139702436	CGGCGCGACCGCTCTCCAGG	5198
TJU_CMC.ID05200.5p-miR	9	+	139720922	139720941	CTGCTGGAAAGGCGCGCCGCC	5199
TJU_CMC.ID05201.3p-miR	9	-	139835361	139835382	TGAGGTGTGCTGGGTGCACTGG	5200
TJU_CMC.ID05202.3p-miR	9	+	139857981	139858002	TGCTCAGGGCAGGAGACGCGGC	5201
TJU_CMC.ID05203.3p-miR	9	-	139908203	139908226	GCCCTGATGATGCCCACTCCTGAG	5202
TJU_CMC.ID05204.5p-miR	9	+	139928416	139928437	AGGAATGGCAACCATGAACTGT	5203
TJU_CMC.ID05205.3p-miR	9	+	139960769	139960788	CGGGGAGCCCGCCGGGGCATC	5204
TJU_CMC.ID05206.3p-miR	9	+	140196726	140196745	CTCGCCCGCCGCGCCGGGGC	5205
TJU_CMC.ID05207.3p-miR	9	+	140203050	140203070	CGCTCCCCGTCCTCCCACCCT	5206
TJU_CMC.ID05208.5p-miR	9	-	140218449	140218468	ACCTCAGGGTCAGCTTGCCG	5207
TJU_CMC.ID05209.3p-miR	9	-	140409679	140409698	GGGGGCCTGTGCCTGTCCTC	5208
TJU_CMC.ID05210.3p-miR	10	+	182814	182834	GGTACCGTGCTGCCATATGCG	5209
TJU_CMC.ID05211.5p-miR	10	+	334402	334421	GTCCAGTTTTCCCCTTCACC	5210
TJU_CMC.ID05212.3p-miR	10	-	348176	348197	AGAGTCATTAGGAGGATTCTTG	5211

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TJU_CMC.ID05213.3p-miR	10	-	702562	702583	TAGGAAATCAGACACTGCAAAG	5212
TJU_CMC.ID05214.3p-miR	10	+	1017345	1017366	TTACGTAATCCAGGGATACTAG	5213
TJU_CMC.ID05215.5p-miR	10	-	1488230	1488251	TCCTCGTCCTACAGTGTTAAAG	5214
TJU_CMC.ID05216.5p-miR	10	+	2319017	2319039	AGCAGCATTGCGTGACGCCAATC	5215
TJU_CMC.ID05217.3p-miR	10	-	2929996	2930016	TGAGAGTCCTACAGTGCACAG	5216
TJU_CMC.ID05218.5p-miR	10	+	3155135	3155154	CGCGGGTCGCGGCTAAGGGC	5217
TJU_CMC.ID05219.5p-miR	10	+	3492962	3492982	AGCAGTGCCACGTGAAGTCAC	5218
TJU_CMC.ID05220.5p-miR	10	-	3552717	3552736	TAGCAGCAATGCCCAGCCAG	5219
TJU_CMC.ID05221.5p-miR	10	-	3636476	3636498	TTCGTTTTACTCACAGCAAATCA	5220
TJU_CMC.ID05222.3p-miR	10	-	4629872	4629893	CACTGACCCACTGGCATGGTTG	5221
TJU_CMC.ID05223.5p-miR	10	+	4892671	4892692	GACTGATGGCAGTTTATGTTTG	5222
TJU_CMC.ID05224.5p-miR	10	-	5604281	5604303	GACCTGGTGGTCTGACAACAGAA	5223
TJU_CMC.ID05225.3p-miR	10	+	5618162	5618181	TCCCCCAAACACAGCCTCAG	5224
TJU_CMC.ID05226.3p-miR	10	-	6178315	6178335	TTCAGACCCCCACTTCGCTTG	5225
TJU_CMC.ID05227.3p-miR	10	-	6271489	6271510	TGGCTGTGGGAAGCAGCTGCAA	5226
TJU_CMC.ID05228.3p-miR	10	-	6447432	6447453	TGTCATGGGTGATTTGCAAACC	5227
TJU_CMC.ID05229.3p-miR	10	+	6447720	6447742	GCTACTGGAAGGGTCAGGCTTTG	5228
TJU_CMC.ID05230.3p-miR	10	-	6560901	6560923	AGCAGCATTGTATGAAAGTGTAT	5229
TJU_CMC.ID05231.3p-miR	10	-	7088646	7088668	TGTGCATTAGATACGTGAAGATT	5230
TJU_CMC.ID05232.3p-miR	10	-	7217017	7217038	GTGACGTTTGTCAACATGGGTG	5231
TJU_CMC.ID05233.3p-miR	10	-	7266655	7266675	TATTGGCTGAGTAAGCTCATA	5232
TJU_CMC.ID05234.3p-miR	10	-	7404748	7404769	ACTGTCATTAGGTCAGCAAGTT	5233
TJU_CMC.ID05235.3p-miR	10	-	7511510	7511531	TATATGGATCCATGCGATTGAT	5234
TJU_CMC.ID05236.5p-miR	10	-	7608007	7608027	CGAGGGCCTTTCCAGCAACTG	5235
TJU_CMC.ID05237.5p-miR	10	-	7632723	7632744	GCCCTTTGTCGCTCCGCTTCCA	5236
TJU_CMC.ID05238.3p-miR	10	+	7728960	7728981	TCTTAACCACAGTGTACACTGT	5237
TJU_CMC.ID05239.3p-miR	10	+	7970007	7970027	AAGGGACTAGTCTTTAAAACT	5238
TJU_CMC.ID05240.3p-miR	10	-	8070667	8070686	GAAAGTCTCAAAGCACAGTG	5239
TJU_CMC.ID05241.5p-miR	10	+	8173952	8173971	GGCTGGTCCGAGTGCAGAGT	5240
TJU_CMC.ID05242.3p-miR	10	-	8287688	8287707	AGCAGCATCATATGATGGTT	5241
TJU_CMC.ID05243.3p-miR	10	-	8676193	8676214	ATCACATTGCCAAAAGCAAAGT	5242

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TJU_CMC.ID05244.3p-miR	10	+	9193186	9193207	AAATAACAGCAGTGTTAATCCC	5243
TJU_CMC.ID05245.3p-miR	10	+	9738168	9738190	GTCATCAAAAGGGTCCTTAAAAG	5244
TJU_CMC.ID05246.3p-miR	10	+	10409433	10409452	AGTCAAGCGTCCGCTCCCTG	5245
TJU_CMC.ID05247.3p-miR	10	+	10797717	10797738	GGGTAGGATCAGATTCACAAGA	5246
TJU_CMC.ID05248.5p-miR	10	-	11236961	11236982	TGAGATGGGATGAGTGCCACAG	5247
TJU_CMC.ID05249.3p-miR	10	+	11503547	11503567	CATGAGTACTGTGAGCACTGA	5248
TJU_CMC.ID05250.3p-miR	10	-	11654203	11654222	TAGCAATGGCATTTTATTGA	5249
TJU_CMC.ID05251.5p-miR	10	-	11747842	11747863	TTCATCATTAGGTCCTGCTCAA	5250
TJU_CMC.ID05252.5p-miR	10	-	11918087	11918108	ACTCACAGGCAGTTCATGGGGT	5251
TJU_CMC.ID05253.5p-miR	10	-	12093361	12093380	GAGGCCATGATTAAGAGCTC	5252
TJU_CMC.ID05254.3p-miR	10	+	12924573	12924592	TAATAGCAGCCCAAGTAGAC	5253
TJU_CMC.ID05255.3p-miR	10	+	13542302	13542321	CGCTTATGATGAAAGAGGTT	5254
TJU_CMC.ID05256.5p-miR	10	+	13810479	13810498	GAAAATGTAATTGACAACCA	5255
TJU_CMC.ID05257.5p-miR	10	-	15373295	15373314	AGTATTCAACTTTTCTAGGC	5256
TJU_CMC.ID05258.5p-miR	10	+	15478859	15478879	ACTCATCAGAGCACTTACCAA	5257
TJU_CMC.ID05259.5p-miR	10	-	15657310	15657330	AGAGGGTTGACTTGTACCAGC	5258
TJU_CMC.ID05260.5p-miR	10	+	15676509	15676529	AGCTAGAATTTGATTTAATTC	5259
TJU_CMC.ID05261.5p-miR	10	+	15776099	15776119	GTCATGGAGAGAGGGGCTACATG	5260
TJU_CMC.ID05262.3p-miR	10	+	16241370	16241391	TGTCATGGCACTGGTATGAGTT	5261
TJU_CMC.ID05263.5p-miR	10	-	16773282	16773304	GGCGCCCACCCCCGCGCCCGGCT	5262
TJU_CMC.ID05264.3p-miR	10	-	16843759	16843778	TTAGAAATATGTTGTTAATG	5263
TJU_CMC.ID05265.3p-miR	10	+	17195026	17195047	GGCACACAGCTGACACACAGGTGT	5264
TJU_CMC.ID05266.3p-miR	10	-	17314612	17314631	GTGGACGGTGTGAGTACGCT	5265
TJU_CMC.ID05267.5p-miR	10	-	17438894	17438916	TGTCAGTGGTTCAAATACCCTCA	5266
TJU_CMC.ID05268.5p-miR	10	+	17602729	17602751	CAATGATGCCACCTTGGGAATTA	5267
TJU_CMC.ID05269.5p-miR	10	+	17686341	17686360	GCCTCTTTTTGCCACCAATC	5268
TJU_CMC.ID05270.5p-miR	10	+	18710287	18710308	TGCAATCTTGGCCCCCTGCAAC	5269
TJU_CMC.ID05271.5p-miR	10	+	18711199	18711218	CCTGGATGATCTATTCCATT	5270
TJU_CMC.ID05272.3p-miR	10	+	18877015	18877035	GGGCATCCGCCATTACTGAGT	5271
TJU_CMC.ID05273.3p-miR	10	-	18905758	18905778	ATCACATTGGGTCCCTGATCT	5272
TJU_CMC.ID05274.5p-miR	10	+	18937115	18937137	GTTAGACTGGACTTCTTCACATG	5273

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TJU_CMC.ID05275.3p-miR	10	+	19091068	19091089	ATGACGACTCATGATGGTGTTA	5274
TJU_CMC.ID05276.5p-miR	10	+	19568851	19568873	ATACTACCCACTGTTCTCTATGA	5275
TJU_CMC.ID05277.3p-miR	10	+	20343146	20343165	GTCAGGATGATTAGATAGCA	5276
TJU_CMC.ID05278.3p-miR	10	-	20428903	20428924	TCAAGTTCTGGGATACTTGTGC	5277
TJU_CMC.ID05279.3p-miR	10	-	21373096	21373115	GAAAGTCTCAAAGCCACTCC	5278
TJU_CMC.ID05280.5p-miR	10	-	21406785	21406808	TGTAAGGTCATAGAGATAATAGCG	5279
TJU_CMC.ID05281.5p-miR	10	-	22498511	22498531	TTCACTGCCCTTGAGATGTCA	5280
TJU_CMC.ID05282.3p-miR	10	-	22524284	22524306	AAGTCAAATCCATGCAACTGACC	5281
TJU_CMC.ID05283.5p-miR	10	-	22615402	22615421	GGGGATTTAGCTCAGTGATC	5282
TJU_CMC.ID05284.3p-miR	10	+	23265942	23265965	CTTCCTCAGAAACTCTCCCTTGTG	5283
TJU_CMC.ID05285.3p-miR	10	-	23467751	23467773	CTGAATCTCACTTTTATTTAGCC	5284
TJU_CMC.ID05286.5p-miR	10	+	23768995	23769016	TGTTCTGCCCTCTACTATCACC	5285
TJU_CMC.ID05287.3p-miR	10	-	23837499	23837519	CCCCAGGTGGTGAAATTGCCC	5286
TJU_CMC.ID05288.3p-miR	10	-	24458282	24458303	ATTGTGGGTAAGAAAGCCGTTG	5287
TJU_CMC.ID05289.5p-miR	10	-	24497864	24497887	CCGTCCGTCCGTCCGTCCGTCCTC	5288
TJU_CMC.ID05290.3p-miR	10	+	25528950	25528969	GTCTTAATATTATAAGATAA	5289
TJU_CMC.ID05291.3p-miR	10	-	25531922	25531941	GTGAACTATGCCTGGGACCT	5290
TJU_CMC.ID05292.3p-miR	10	+	26074199	26074220	TTGCAATTTGAGTTTATGTGTG	5291
TJU_CMC.ID05293.3p-miR	10	-	26500865	26500884	GCTGGACGAGGCGCCGGCGC	5292
TJU_CMC.ID05294.5p-miR	10	+	26998606	26998625	GAGTACTACTTTGATGGGAA	5293
TJU_CMC.ID05295.3p-miR	10	+	27173561	27173582	TGGAGTAGATCTATGTATAGCC	5294
TJU_CMC.ID05296.5p-miR	10	-	27702875	27702894	CTGCCGGAGGAGGAAACCCC	5295
TJU_CMC.ID05297.5p-miR	10	+	27874778	27874800	CCCAGTGTTCAGACTTGCTCTTA	5296
TJU_CMC.ID05298.5p-miR	10	+	27915262	27915283	GGTGCAAGTTGAAAAGGCTTTG	5297
TJU_CMC.ID05299.3p-miR	10	+	27951494	27951515	CATGCCTTTCTACATCTCAAGA	5298
TJU_CMC.ID05300.3p-miR	10	-	28941898	28941920	TACTCTAAACTGAAATGTTTTGG	5299
TJU_CMC.ID05301.3p-miR	10	+	28943601	28943620	AGACCAACTATCCAACCTTC	5300
TJU_CMC.ID05302.5p-miR	10	+	29001232	29001253	ACACCTTGGTACTTGTCCATTA	5301
TJU_CMC.ID05303.5p-miR	10	-	29115056	29115077	GCTGTCGGTACAGGGATTTCCA	5302
TJU_CMC.ID05304.3p-miR	10	+	29187816	29187838	ATACTTATAACTGTGATGATGAC	5303
TJU_CMC.ID05305.3p-miR	10	-	29259288	29259307	GTGCCATGTTGGACTGTTCG	5304

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TJU_CMC.ID05306.5p-miR	10	-	29426215	29426237	TAGCCTATCATACTGATGTTAGT	5305
TJU_CMC.ID05307.3p-miR	10	-	30466775	30466797	ATCCCAGGACATAATGGAGGTTC	5306
TJU_CMC.ID05308.3p-miR	10	+	30471444	30471465	CGATGTCATCTCTTCCATTGGC	5307
TJU_CMC.ID05309.3p-miR	10	-	30614672	30614691	CATTATTACTTTTGAGACGG	5308
TJU_CMC.ID05310.5p-miR	10	+	31094328	31094349	TAGCTTGCGTCTGTGATCCCAG	5309
TJU_CMC.ID05311.3p-miR	10	-	31107423	31107443	CTACATCAGCTGAGCTGGGGA	5310
TJU_CMC.ID05312.5p-miR	10	+	31471277	31471297	GTCCAGTTTTTCCAGCTTAGA	5311
TJU_CMC.ID05313.5p-miR	10	-	31640329	31640349	CTTATCAGACTGATGCTGAAA	5312
TJU_CMC.ID05314.3p-miR	10	-	32229918	32229939	TGACTCATAAGGACAGGAGTGT	5313
TJU_CMC.ID05315.3p-miR	10	-	32448142	32448163	CCACCTCCCCATACCTGCAGGT	5314
TJU_CMC.ID05316.3p-miR	10	-	32865366	32865388	GTCCAGTTTTCCCTAATTGTTTA	5315
TJU_CMC.ID05317.3p-miR	10	-	32898109	32898130	AGCAGCATTGGACAGGTCATCT	5316
TJU_CMC.ID05318.5p-miR	10	+	33511146	33511168	GTTTGACTTTCCCAAGAATCCCC	5317
TJU_CMC.ID05319.5p-miR	10	+	33636192	33636214	TGGCTTATTGTCAACATGTTGTG	5318
TJU_CMC.ID05320.3p-miR	10	-	33756746	33756766	CGATGTTGCTCTCTTAGACAA	5319
TJU_CMC.ID05321.5p-miR	10	-	34049927	34049948	TGGAGCAGGGAGATGGAAACCT	5320
TJU_CMC.ID05322.5p-miR	10	-	34397388	34397407	AATAATCACATGTTGTGGGG	5321
TJU_CMC.ID05323.5p-miR	10	+	34423934	34423953	AATCAACTTATATTTAGGTT	5322
TJU_CMC.ID05324.5p-miR	10	+	34470596	34470616	TGTAACAGCAACAGGTAGCCA	5323
TJU_CMC.ID05325.5p-miR	10	-	34833546	34833567	GTTTCTGATTCAGCAGGACTGA	5324
TJU_CMC.ID05326.3p-miR	10	+	35046590	35046611	GATCGTGCCACTGGGCGAAACC	5325
TJU_CMC.ID05327.5p-miR	10	+	35155254	35155276	TCCTGACAATGATTTATTTTTGC	5326
TJU_CMC.ID05328.5p-miR	10	+	35746275	35746294	CTTACTTGTGGTCATATTGT	5327
TJU_CMC.ID05329.3p-miR	10	-	35930199	35930218	GCTACAACTACACCTACATG	5328
TJU_CMC.ID05330.3p-miR	10	+	36008214	36008236	TGCTGACTTACTGGGCATTGGTT	5329
TJU_CMC.ID05331.5p-miR	10	-	36359090	36359111	TATACTGTCTCAGGGCTCCTTA	5330
TJU_CMC.ID05332.5p-miR	10	+	36366813	36366832	CTAAGGATAATGCACTCCAG	5331
TJU_CMC.ID05333.3p-miR	10	+	36508819	36508838	TAAGGTGTTAAGAATGAATG	5332
TJU_CMC.ID05334.5p-miR	10	+	36853645	36853665	CTTTATTAGAAGGTTGCAGAT	5333
TJU_CMC.ID05335.3p-miR	10	+	36879163	36879184	TATTGCACTTGAAAATTTTCAA	5334
TJU_CMC.ID05336.5p-miR	10	+	37269929	37269948	ATATCCGCAGCAGCAGAGGT	5335

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TJU_CMC.ID05337.3p-miR	10	+	38149907	38149927	TAGCTGGCTGAGTCAGCCAGT	5336
TJU_CMC.ID05338.3p-miR	10	+	38639241	38639262	AGCTACATTACTTGGTGCCAAA	5337
TJU_CMC.ID05339.5p-miR	10	+	42737981	42738000	CGCCCACCCCCGCGGGGCCC	5338
TJU_CMC.ID05340.5p-miR	10	-	43063045	43063066	AAACACGTCGGTCCTTAACTTG	5339
TJU_CMC.ID05341.3p-miR	10	-	43083334	43083355	TGCGCCTTCACTTGCTGCCACT	5340
TJU_CMC.ID05342.3p-miR	10	+	43369006	43369027	GGAGACTCTGGGATGTCCTCAG	5341
TJU_CMC.ID05343.3p-miR	10	-	43536299	43536318	CCCCAACAGTATGGTAAATC	5342
TJU_CMC.ID05344.5p-miR	10	-	43549613	43549634	ATGTACGCTGAGTGTCGTTTAG	5343
TJU_CMC.ID05345.3p-miR	10	-	43626341	43626363	TCGCAGATGAGACTGATGTTGAC	5344
TJU_CMC.ID05346.3p-miR	10	-	43789538	43789557	CAGGCTGGACGAGGCGCATC	5345
TJU_CMC.ID05347.5p-miR	10	+	44442021	44442042	TGAGATGAAGCACCAGCAAGCC	5346
TJU_CMC.ID05348.5p-miR	10	+	44452711	44452731	TTCAACTGTGCTAACAAGGCA	5347
TJU_CMC.ID05349.5p-miR	10	+	44506218	44506240	GAGCTCAGTTCAGCAGCTGTGAG	5348
TJU_CMC.ID05350.3p-miR	10	+	44908417	44908437	TTCATGGAGGAAAATCCTGCA	5349
TJU_CMC.ID05351.5p-miR	10	+	45217221	45217243	TGGGAGAGTTCAGCTCCTGTGGT	5350
TJU_CMC.ID05352.3p-miR	10	-	48416432	48416452	CCAGGGTGGAGCCGCCGCAGT	5351
TJU_CMC.ID05353.5p-miR	10	+	48425539	48425558	TCCCTGTCTGGAGCCATGTC	5352
TJU_CMC.ID05354.3p-miR	10	-	48499588	48499609	TGCCTGAGACCCTACACTTTGA	5353
TJU_CMC.ID05355.5p-miR	10	-	49699065	49699084	GACTGTACAGCACTCTAGAT	5354
TJU_CMC.ID05356.5p-miR	10	-	49883688	49883708	ATATATATGAGATATATACGC	5355
TJU_CMC.ID05357.3p-miR	10	-	50013980	50014002	GAGTCCGCTGAGTACATGCCAGT	5356
TJU_CMC.ID05358.5p-miR	10	-	50186008	50186027	CCTCTTGCCCATAATGCTAC	5357
TJU_CMC.ID05359.3p-miR	10	-	50711899	50711918	ATTATTTGTGGTCACATTGT	5358
TJU_CMC.ID05360.5p-miR	10	+	50921791	50921813	GCTAGATAAAGAACTTAATCAAG	5359
TJU_CMC.ID05361.5p-miR	10	+	51037057	51037078	TGAATCATTAGGTCAGGAGTTC	5360
TJU_CMC.ID05362.5p-miR	10	+	52158675	52158697	ATATCAAATTCTTAAAAGTGACA	5361
TJU_CMC.ID05363.3p-miR	10	-	52995299	52995320	CAGCAGTGGGTCTTTATAAAAT	5362
TJU_CMC.ID05364.5p-miR	10	-	53079575	53079597	AGCAGCACCTAACAGCGTGGGCA	5363
TJU_CMC.ID05365.3p-miR	10	-	53615905	53615927	GTAACTGCAAGGGTCCTTATGGG	5364
TJU_CMC.ID05366.5p-miR	10	+	54061876	54061895	TATATATGTGTGCATATCGT	5365
TJU_CMC.ID05367.3p-miR	10	-	54330982	54331003	ATGACTGGTGAGAAATACCCCA	5366

Table 1. Novel miRNA sequences

TJU_CMC.ID05368.5p-miR	10	-	54594076	54594097	ATGATATGATATATATGAAT	5367
TJU_CMC.ID05369.5p-miR	10	-	54937258	54937279	CAGTGCAATCAAGGAAGGGTGA	5368
TJU_CMC.ID05370.5p-miR	10	+	55055570	55055591	TATACTACATATGTATATAACATA	5369
TJU_CMC.ID05371.5p-miR	10	-	55371627	55371648	AGAATAGGGAAACAAAGCAGCT	5370
TJU_CMC.ID05372.3p-miR	10	-	56789221	56789241	GAGTCTAGTGTACATATAGAA	5371
TJU_CMC.ID05373.3p-miR	10	+	56875100	56875119	TGTAACAGCAGTCTTCTGTT	5372
TJU_CMC.ID05374.3p-miR	10	-	56882354	56882375	GCATTCCAGTCGATGATAAATC	5373
TJU_CMC.ID05375.3p-miR	10	+	56937160	56937180	ATGGATCAGAAAGGAAGAGAA	5374
TJU_CMC.ID05376.5p-miR	10	+	57049587	57049609	ATTAATATCATCATCTAGGGTGT	5375
TJU_CMC.ID05377.3p-miR	10	+	57088587	57088607	CCACTTTATATGAAGTTCTTG	5376
TJU_CMC.ID05378.5p-miR	10	+	57173958	57173979	TTTGTCATTAAGAGGATAGAAA	5377
TJU_CMC.ID05379.5p-miR	10	+	58746336	58746359	AAATAATTGCTAATAACACTATCT	5378
TJU_CMC.ID05380.5p-miR	10	+	59024219	59024241	TCAGTACAGTGCTGTAACACCGT	5379
TJU_CMC.ID05381.3p-miR	10	-	59161637	59161657	CACTGCTGAGTACAGCCAAAG	5380
TJU_CMC.ID05382.5p-miR	10	+	59207236	59207258	TGTCAGTTTGTCAAATTCTTTCA	5381
TJU_CMC.ID05383.3p-miR	10	-	59284949	59284969	AAGAAAATCTTTAGATAATTG	5382
TJU_CMC.ID05384.5p-miR	10	+	59576452	59576472	ATCCTGCCGACTATGCCAATC	5383
TJU_CMC.ID05385.3p-miR	10	-	59830899	59830919	CTAGAACGCCGGCACTGTCTT	5384
TJU_CMC.ID05386.3p-miR	10	+	59831343	59831364	TGTCTCAAACTCTGGCTCCCCA	5385
TJU_CMC.ID05387.5p-miR	10	-	59942821	59942840	CCTGTGGGCCGGGCCTGTGA	5386
TJU_CMC.ID05388.3p-miR	10	-	60001293	60001313	TTATGCAAACCCTGGCTGACT	5387
TJU_CMC.ID05389.5p-miR	10	+	60322814	60322836	TGTATGGGCTTGCATGCCTGAGT	5388
TJU_CMC.ID05390.5p-miR	10	+	60648552	60648572	TGGCTCAGTTCACCAGGAGAA	5389
TJU_CMC.ID05391.5p-miR	10	+	61666149	61666169	CGTCCGTGTCGCTCTCGCTGG	5390
TJU_CMC.ID05392.3p-miR	10	+	61846258	61846277	AAATGATCCTTGGGAAACCA	5391
TJU_CMC.ID05393.3p-miR	10	-	62032764	62032785	CCCAGTGCCTGAGTCTGGGCTT	5392
TJU_CMC.ID05394.5p-miR	10	-	62221672	62221692	AGCAGCATTGTACAGAACTTC	5393
TJU_CMC.ID05395.5p-miR	10	+	62429575	62429597	ATTTTACTTATTTTTTACTTTTT	5394
TJU_CMC.ID05396.3p-miR	10	+	62875978	62875999	TCTGGAAGGCTTCTGATAGATT	5395
TJU_CMC.ID05397.3p-miR	10	+	62920687	62920708	TGAATGGGCTTGGGCGTTTGTT	5396
TJU_CMC.ID05398.3p-miR	10	-	63203813	63203834	TGAGGTAGTAGTGGTTATGAGT	5397

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TJU_CMC.ID05399.3p-miR	10	-	63422752	63422771	CCCGCCGGGGTCGGCCCCCA	5398
TJU_CMC.ID05400.5p-miR	10	+	63493993	63494014	GCCCTGAGACTTCTTTACACAG	5399
TJU_CMC.ID05401.3p-miR	10	+	63546981	63547000	GAAGAATCTGACATATGTTC	5400
TJU_CMC.ID05402.5p-miR	10	-	63590610	63590629	CACATGGGCTTGCATGTCAG	5401
TJU_CMC.ID05403.5p-miR	10	-	63905214	63905233	CTTCGCCACATCTAATATCC	5402
TJU_CMC.ID05404.3p-miR	10	+	64273321	64273342	CAGTAGAGGCTTGAAATAGATA	5403
TJU_CMC.ID05405.5p-miR	10	-	64578952	64578971	CCGCCCGTCCCCGCCCCCAC	5404
TJU_CMC.ID05406.5p-miR	10	-	65367276	65367296	AGCAGCAAACTACAGGTATGG	5405
TJU_CMC.ID05407.3p-miR	10	-	65511570	65511589	GTCACATTGCCAGGAATATG	5406
TJU_CMC.ID05408.5p-miR	10	+	65771156	65771176	AATGATTAGAGGTCTTAGGAT	5407
TJU_CMC.ID05409.5p-miR	10	-	65791730	65791751	GGGAAGGGCACCTAGCAGGACT	5408
TJU_CMC.ID05410.5p-miR	10	+	65878107	65878128	CCCAGTGTTTCTCAGCGTGTGG	5409
TJU_CMC.ID05411.3p-miR	10	+	66061959	66061978	GCATTGTGGTTCAGTGGATC	5410
TJU_CMC.ID05412.3p-miR	10	+	66648253	66648272	TCAGAATAGTCTGACTACTG	5411
TJU_CMC.ID05413.3p-miR	10	-	66799653	66799672	TGGCTCAGTTCAGCATGGCT	5412
TJU_CMC.ID05414.5p-miR	10	-	67012568	67012590	CTAAATCTGACTTTTCTTTGTTT	5413
TJU_CMC.ID05415.3p-miR	10	+	67173715	67173738	GAGTTAAAATATTTTAAATCCTAT	5414
TJU_CMC.ID05416.3p-miR	10	+	67519309	67519330	ATCATGGCAGGAGCCTAAAGGC	5415
TJU_CMC.ID05417.5p-miR	10	+	67875889	67875908	GCCTATTTGTAGAGGCAAGT	5416
TJU_CMC.ID05418.5p-miR	10	-	67978375	67978396	TGGCAGTGTCTTAGCTAGTTGA	5417
TJU_CMC.ID05419.5p-miR	10	+	69685577	69685597	GTACTCATGGTGCTATACTGA	5418
TJU_CMC.ID05420.5p-miR	10	-	69902731	69902752	CCTGGACGATGTGAATATCTGG	5419
TJU_CMC.ID05421.5p-miR	10	+	70467432	70467451	CAACTGTTCTTCCACCTTCT	5420
TJU_CMC.ID05422.5p-miR	10	+	70496931	70496954	CTGGTGATGAATATTATATCTGAC	5421
TJU_CMC.ID05423.5p-miR	10	+	70563049	70563068	CACAGCATAAGAATAAGAGG	5422
TJU_CMC.ID05424.5p-miR	10	+	70601403	70601424	GAAAGAGAGTTTCCTAGTTCAG	5423
TJU_CMC.ID05425.5p-miR	10	-	70637577	70637599	GAGGGCAAAGCCTGAAGGCTTTC	5424
TJU_CMC.ID05426.3p-miR	10	-	70945820	70945840	GAAGATGTTTTGGGCCTTACC	5425
TJU_CMC.ID05427.5p-miR	10	-	71160601	71160624	TTGTGATGGGTTTATCAGGACATA	5426
TJU_CMC.ID05428.3p-miR	10	+	71573077	71573097	CTCCTTGCGGCAGTAGCAGGG	5427
TJU_CMC.ID05429.5p-miR	10	-	71591732	71591752	ACCATCATCGTGGCAACTAAC	5428

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TJU_CMC.ID05430.3p-miR	10	+	71683921	71683940	TTCACAGTGGCTAAAGTGTT	5429
TJU_CMC.ID05431.5p-miR	10	+	71892348	71892367	CAGCGCCACACAACTGCGCGCA	5430
TJU_CMC.ID05432.5p-miR	10	-	72068441	72068462	CCTGGCCTCTCCCACACCCTCCT	5431
TJU_CMC.ID05433.3p-miR	10	+	72275257	72275276	GGCGCCTGGGCGAGGCCCCT	5432
TJU_CMC.ID05434.3p-miR	10	-	72334083	72334104	AGGTAAGGGAAGTGGGATGATC	5433
TJU_CMC.ID05435.3p-miR	10	+	72612381	72612402	TAGCTTGCCAAGGACTATCCAA	5434
TJU_CMC.ID05436.3p-miR	10	-	72692336	72692358	AGGCAAGATGCTGGCATTCAGCT	5435
TJU_CMC.ID05437.5p-miR	10	-	72788755	72788776	CTTACCGTGCTGTTGCCTGGCT	5436
TJU_CMC.ID05438.5p-miR	10	-	73103341	73103360	AGAGGCCCTGCTCCCTACAG	5437
TJU_CMC.ID05439.5p-miR	10	-	73543100	73543121	CAGCACCACTCAGAGCTGACCG	5438
TJU_CMC.ID05440.3p-miR	10	-	73806809	73806829	AAGTGTTTGTGGGTTAACTGA	5439
TJU_CMC.ID05441.5p-miR	10	-	73814479	73814499	CTAAAAAAAATTAAAATGAAT	5440
TJU_CMC.ID05442.3p-miR	10	+	73855717	73855738	GGCAACATTGTATCCCAACACA	5441
TJU_CMC.ID05443.5p-miR	10	-	74041068	74041087	ATTAGGGATAGGGAGATTTG	5442
TJU_CMC.ID05444.5p-miR	10	-	74092956	74092977	AAGCTGCCAGCCAGGAGGTGAT	5443
TJU_CMC.ID05445.3p-miR	10	+	74527165	74527186	TGAGGAGAATGAAAATATTTTG	5444
TJU_CMC.ID05446.5p-miR	10	-	74881712	74881731	ACTTTAGACCAAAGAAGGAA	5445
TJU_CMC.ID05447.3p-miR	10	-	75475902	75475921	CTGGAAGCTGAATTGACAGT	5446
TJU_CMC.ID05448.5p-miR	10	+	75701325	75701347	TGAGTCAAGCAGTTTATGCCACC	5447
TJU_CMC.ID05449.3p-miR	10	+	75846504	75846524	TTCACAGTGGAGCCTGCAATA	5448
TJU_CMC.ID05450.5p-miR	10	+	76273781	76273803	TTGCTAGTCTGTGAAATATTTTA	5449
TJU_CMC.ID05451.5p-miR	10	+	76354604	76354623	CATGTATTGCCATATCAGTT	5450
TJU_CMC.ID05452.3p-miR	10	+	76803618	76803639	CGAAGGTGGGCAGGTCGTCGGC	5451
TJU_CMC.ID05453.3p-miR	10	+	76945527	76945546	GTGCTAGTGGTTCAGTGGTA	5452
TJU_CMC.ID05454.5p-miR	10	+	76985957	76985977	TGTAAACATCCTTGACAGATA	5453
TJU_CMC.ID05455.3p-miR	10	-	77164548	77164570	CGCTGACCACGACCCGCACCCAC	5454
TJU_CMC.ID05456.3p-miR	10	-	77369718	77369737	CCTAGAAAAGCTTCTAGTGT	5455
TJU_CMC.ID05457.3p-miR	10	+	77536051	77536072	CAGTCCAGTAGTTCGCAAGGTT	5456
TJU_CMC.ID05458.5p-miR	10	-	77563359	77563380	TATGCAATAGGTAGCATTACTA	5457
TJU_CMC.ID05459.5p-miR	10	+	78002447	78002469	ATCTGCAATGTCTTTATTTCCAA	5458
TJU_CMC.ID05460.3p-miR	10	+	78082183	78082205	CCATGATGTGAGTTTATCAATGG	5459

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TJU_CMC.ID05461.5p-miR	10	+	78815009	78815030	GACCCGAATTAGAAATACCACC	5460
TJU_CMC.ID05462.3p-miR	10	+	79177275	79177296	AGCTACATTTTCAAATAAAAAC	5461
TJU_CMC.ID05463.3p-miR	10	+	79596467	79596486	GCAGAGGAGCTGAAAAATAA	5462
TJU_CMC.ID05464.3p-miR	10	+	79609259	79609278	CCCAGCCCTGCTCCCTGTGG	5463
TJU_CMC.ID05465.3p-miR	10	-	79683532	79683554	GTCAGCAAACAGTGGCGTGTTGG	5464
TJU_CMC.ID05466.3p-miR	10	-	79890384	79890405	TGGCTCAGTGCAGACTTGAACT	5465
TJU_CMC.ID05467.3p-miR	10	+	79911798	79911819	TCCATAATACCATATGTGAGCT	5466
TJU_CMC.ID05468.3p-miR	10	-	80063170	80063189	CAGGGCATCGATCCTGCCCG	5467
TJU_CMC.ID05469.5p-miR	10	+	80615325	80615346	AACACATGTGCAGGGCGGGAAC	5468
TJU_CMC.ID05470.3p-miR	10	-	80823914	80823937	AGAGGTGAGTGGTTGGGTCAAGCA	5469
TJU_CMC.ID05471.3p-miR	10	+	80875040	80875061	AGTTCTCTCTGCTACAGGACAG	5470
TJU_CMC.ID05472.3p-miR	10	+	80942059	80942081	CTGGCTGCCTCCAGCTGCTGCCT	5471
TJU_CMC.ID05473.5p-miR	10	+	80991432	80991453	TTCAAGTAATTCTCCTATCTCC	5472
TJU_CMC.ID05474.3p-miR	10	-	81185861	81185880	CAGCTCATCAGACTGATGGG	5473
TJU_CMC.ID05475.5p-miR	10	+	81964304	81964324	AGACAGAAATGCCCCGGGCTG	5474
TJU_CMC.ID05476.3p-miR	10	-	82181568	82181589	GCAAATATCTAGTAGCTCCACT	5475
TJU_CMC.ID05477.3p-miR	10	+	82246443	82246462	ACCACGAGGAAGAGAGGAGG	5476
TJU_CMC.ID05478.5p-miR	10	-	83244615	83244636	TGTCAGTTTGTGTTTATGTGTG	5477
TJU_CMC.ID05479.3p-miR	10	-	83280695	83280717	GTGTGTGGCTTGCATGGGTGAGT	5478
TJU_CMC.ID05480.5p-miR	10	+	83796841	83796862	TGAGTCAGGCAGGGTATATTTT	5479
TJU_CMC.ID05481.5p-miR	10	+	83973631	83973651	TAGCACCAGAGTCGGCTTATT	5480
TJU_CMC.ID05482.5p-miR	10	-	84728931	84728953	TGGGCAAATCCATGACAAACTGA	5481
TJU_CMC.ID05483.3p-miR	10	+	85272045	85272066	TTGCAGTAACAGAAATATTTTG	5482
TJU_CMC.ID05484.5p-miR	10	+	85576847	85576866	GACTTCTACACCATGTGTTC	5483
TJU_CMC.ID05485.5p-miR	10	+	85674671	85674692	TGTCGAGTTCAGAAATACAAAC	5484
TJU_CMC.ID05486.5p-miR	10	+	86427029	86427050	CAGTGCAATGAATGGGAAATGG	5485
TJU_CMC.ID05487.3p-miR	10	+	86750300	86750321	ATCATAGGCTTTGTCCTAAGCT	5486
TJU_CMC.ID05488.5p-miR	10	-	87045698	87045720	AAAAATCTGTGGCACATGTTTGT	5487
TJU_CMC.ID05489.5p-miR	10	+	87053794	87053813	CAGTCTCCGATAATAAGAGA	5488
TJU_CMC.ID05490.3p-miR	10	-	87983165	87983186	GCGTGCCAGGCAGGGCATTTGG	5489
TJU_CMC.ID05491.3p-miR	10	-	88084266	88084287	TGCTGCACCACAGGGCGTTTGG	5490

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TJU_CMC.ID05492.5p-miR	10	+	89124816	89124835	TTCTCTCGGGGCCACGGGGG	5491
TJU_CMC.ID05493.3p-miR	10	+	90028541	90028560	GTCCAGTGGGAAACTCTTGC	5492
TJU_CMC.ID05494.5p-miR	10	+	90482423	90482442	AGAGGGCCCCTGTAAAACTA	5493
TJU_CMC.ID05495.3p-miR	10	-	90542240	90542259	ACACCTGAGACAAGTCTTGT	5494
TJU_CMC.ID05496.5p-miR	10	-	90564855	90564877	CCTAGTAGGTGCTCAGTAAACAC	5495
TJU_CMC.ID05497.5p-miR	10	-	90570947	90570966	CCCGACCTCAGATCAGATGG	5496
TJU_CMC.ID05498.3p-miR	10	-	90769747	90769769	AACATTCACAATCAGGTTGTCTG	5497
TJU_CMC.ID05499.5p-miR	10	+	90787945	90787966	AGGTCGTTTCCATATGACTCAA	5498
TJU_CMC.ID05500.3p-miR	10	-	91274480	91274502	TGTCAACCCAGATTTATGTTTAA	5499
TJU_CMC.ID05501.5p-miR	10	-	91352549	91352572	AGCTTCTTTACAGTGTTGCCTTGT	5500
TJU_CMC.ID05502.5p-miR	10	-	92107991	92108012	TGAGGTTCAGAGTTGTATAGCT	5501
TJU_CMC.ID05503.5p-miR	10	-	92757292	92757311	GTCTTTTACTTCTTTTTTCT	5502
TJU_CMC.ID05504.5p-miR	10	-	93069439	93069462	GTGAGCTGTTAAATCTGGCAGCAT	5503
TJU_CMC.ID05505.3p-miR	10	-	93115900	93115919	CATGCCTTAGGGTAAAGCCT	5504
TJU_CMC.ID05506.3p-miR	10	-	93599396	93599415	ATGCTGGTGGTTCAGTAACC	5505
TJU_CMC.ID05507.5p-miR	10	-	93694308	93694328	GCAGCAGTGTGATACATGAAG	5506
TJU_CMC.ID05508.5p-miR	10	-	93778208	93778229	AAAGTACCTGGTAATGCAGACA	5507
TJU_CMC.ID05509.3p-miR	10	-	94164296	94164315	TAGCACGTGGGCTTTCACTG	5508
TJU_CMC.ID05510.3p-miR	10	+	94173863	94173885	TAGTAGTAGTCTGACTACTCCTG	5509
TJU_CMC.ID05511.3p-miR	10	-	94224798	94224819	TCGAGGAGCTCACAGTCAAATC	5510
TJU_CMC.ID05512.5p-miR	10	-	94806694	94806714	TTCAAGTAATCCAGGCTCCTA	5511
TJU_CMC.ID05513.5p-miR	10	+	94822647	94822667	GCGGCTGGACGAGGCGCAGTG	5512
TJU_CMC.ID05514.3p-miR	10	-	94822779	94822798	GCGCCGCGGAGCCTCGGAGG	5513
TJU_CMC.ID05515.5p-miR	10	+	95214417	95214437	TGAGACCTGCTGGGCGTTTCA	5514
TJU_CMC.ID05516.5p-miR	10	-	95368096	95368116	CCCCGCCCTACAAAAAATTAC	5515
TJU_CMC.ID05517.5p-miR	10	+	95662490	95662509	TAGTTTATCAGCATGATGTT	5516
TJU_CMC.ID05518.5p-miR	10	+	96198017	96198036	GACTTTACAAGCTATTTTCA	5517
TJU_CMC.ID05519.5p-miR	10	+	96221447	96221467	TGTCAATTACAGTTTATGTTT	5518
TJU_CMC.ID05520.3p-miR	10	-	96427800	96427821	AAGTGCAATGATGGGTCCATGC	5519

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TJU_CMC.ID05521.3p-miR	10	-	96936511	96936532	TCAAATCCCACTCCTGACACCA	5520
TJU_CMC.ID05522.3p-miR	10	-	96937598	96937617	ATCCCACTCCTGACACCGTG	5521
TJU_CMC.ID05523.5p-miR	10	-	97168247	97168268	CAAGCCAGCTTACCCCTACTAG	5522
TJU_CMC.ID05524.5p-miR	10	-	97217028	97217048	TGTAAACATCCTACACTGATT	5523
TJU_CMC.ID05525.5p-miR	10	+	97320571	97320590	CCCGCCGCTCGCTCCCTCCG	5524
TJU_CMC.ID05526.5p-miR	10	+	97490649	97490670	AGCTTCATTAGGTCAATAGATC	5525
TJU_CMC.ID05527.5p-miR	10	-	97833110	97833131	CACTGCTGAGTACAAACAAAAT	5526
TJU_CMC.ID05528.3p-miR	10	+	98000920	98000940	ACTGCACTATCTGACTTATTG	5527
TJU_CMC.ID05529.3p-miR	10	+	98178693	98178714	TCTCCCTTGGGCCAACTTGACA	5528
TJU_CMC.ID05530.5p-miR	10	+	98593007	98593026	GCCCCGTCCGCCCCCCGCCT	5529
TJU_CMC.ID05531.5p-miR	10	-	98905740	98905761	AGCTCAGATCTTTCAAATGTTG	5530
TJU_CMC.ID05532.5p-miR	10	+	99083846	99083865	GTATATTTGTAGAGGCGGAG	5531
TJU_CMC.ID05533.5p-miR	10	+	99190105	99190127	TAGCTTATCACTTTGAACTTCTG	5532
TJU_CMC.ID05534.3p-miR	10	-	99299608	99299630	AGCTAACGGTGACAGAGCTGCCT	5533
TJU_CMC.ID05535.3p-miR	10	-	99439382	99439402	CTCGCTACACCACTGCAGCCG	5534
TJU_CMC.ID05536.3p-miR	10	+	99875378	99875399	TGAGAACCAAAGGTCGATGACA	5535
TJU_CMC.ID05537.5p-miR	10	-	100016423	100016443	TTTGGCAATTCATTACTGAGT	5536
TJU_CMC.ID05538.5p-miR	10	+	100082172	100082191	CCCCCAGGATAGCTGGCGCT	5537
TJU_CMC.ID05539.3p-miR	10	-	100227718	100227737	GAGCCCAGCGCCGAGTCGTG	5538
TJU_CMC.ID05540.5p-miR	10	-	100285873	100285892	CAGCATCTACATACTAGCAG	5539
TJU_CMC.ID05541.3p-miR	10	+	100407972	100407992	ATGTGGAGAGGCACTGAGTGT	5540
TJU_CMC.ID05542.5p-miR	10	-	100711769	100711788	GTGGTTAAGGCTTTGGAATC	5541
TJU_CMC.ID05543.3p-miR	10	+	101128604	101128625	GCATTGCTGGTTCAGTGGTGTC	5542
TJU_CMC.ID05544.5p-miR	10	+	101316003	101316025	TATTTCAGAAGTATGAAGCACTG	5543
TJU_CMC.ID05545.5p-miR	10	-	101391949	101391968	AAAAAATAACATACTGGGCC	5544
TJU_CMC.ID05546.5p-miR	10	-	101688476	101688495	GTGAATGATGAGTACTGACA	5545
TJU_CMC.ID05547.3p-miR	10	-	102286591	102286613	GTCCAGTGATGTGAGATCTGAGA	5546
TJU_CMC.ID05548.3p-miR	10	-	102317606	102317626	GGAGGAAAAGAAACTAACATT	5547
TJU_CMC.ID05549.5p-miR	10	-	102394279	102394300	TCCCCAGAGTTTCCCAGGTTGG	5548
TJU_CMC.ID05550.3p-miR	10	-	102433497	102433516	ACTAGACTGGACTATTCCCT	5549
TJU_CMC.ID05551.3p-miR	10	-	102612060	102612080	CTGTGCGTGTGACAGCCCCAG	5550

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TJU_CMC.ID05552.5p-miR	10	+	102867240	102867261	TCCGAGAGAGAAGCGGGGTGTC	5551
TJU_CMC.ID05553.3p-miR	10	-	103405034	103405053	GCAGGTTGTTGGACTGGGCT	5552
TJU_CMC.ID05554.5p-miR	10	+	103542677	103542699	ACAGCCTGGTAGAAATAACAGTG	5553
TJU_CMC.ID05555.3p-miR	10	-	103835811	103835831	CTATCACTCAGGCTGAGTAGC	5554
TJU_CMC.ID05556.3p-miR	10	-	103849307	103849328	AAAAATGCTCGAATCACTAAAC	5555
TJU_CMC.ID05557.5p-miR	10	-	104093097	104093116	CAGACCTATGAATGGACAGG	5556
TJU_CMC.ID05558.3p-miR	10	+	104180627	104180649	GAAGCCAGTCTCTGATGCCCACC	5557
TJU_CMC.ID05559.5p-miR	10	+	104360331	104360352	TCAGTGCACTACAGAAAAGACA	5558
TJU_CMC.ID05560.3p-miR	10	-	105495839	105495858	ATTGATCCTGCCATTAGATC	5559
TJU_CMC.ID05561.5p-miR	10	-	105584217	105584236	GTTCTCAGAGGCTCGGTGGA	5560
TJU_CMC.ID05562.5p-miR	10	-	105601296	105601318	CCTCATGATGACCTAATGGAGAC	5561
TJU_CMC.ID05563.3p-miR	10	+	105953641	105953660	CGATTCCGAGAGAAAGGCCT	5562
TJU_CMC.ID05564.5p-miR	10	-	105965376	105965397	TAGCTTATCAGACACGAATTTG	5563
TJU_CMC.ID05565.3p-miR	10	-	106349769	106349791	TCCCTGCCCTCCAGGAGCTCAAA	5564
TJU_CMC.ID05566.3p-miR	10	+	106354895	106354915	TGCCCTACGCCTGCACCCCAG	5565
TJU_CMC.ID05567.3p-miR	10	+	106551523	106551544	TCTAGAGCTGGAGCAGCCACAG	5566
TJU_CMC.ID05568.3p-miR	10	-	106700236	106700257	AAGCGAACGCCGCATGTTGTCA	5567
TJU_CMC.ID05569.3p-miR	10	+	106749372	106749394	TAGCAATGCAGACTGATGTTCTG	5568
TJU_CMC.ID05570.3p-miR	10	+	106961229	106961250	TGATCTATCAGAGCAGCATCTC	5569
TJU_CMC.ID05571.3p-miR	10	-	107051967	107051987	ATGTGGAGAAATGTCATCAAC	5570
TJU_CMC.ID05572.5p-miR	10	-	107257869	107257890	ATCAGTAGAAACTCAATTGACT	5571
TJU_CMC.ID05573.3p-miR	10	+	107425646	107425667	TCCAGTCCTGGGATTAGGTGTC	5572
TJU_CMC.ID05574.5p-miR	10	+	107589490	107589513	CACTATCAAGCTGTCACATACCCA	5573
TJU_CMC.ID05575.3p-miR	10	-	107846768	107846788	ATAAACAAAAATTAAGAGGCT	5574
TJU_CMC.ID05576.3p-miR	10	+	108112447	108112466	TGATATACAGGACTGCACGT	5575
TJU_CMC.ID05577.5p-miR	10	+	108698016	108698038	TAGCACATCAAGTTGATGTTTGT	5576
TJU_CMC.ID05578.5p-miR	10	+	108748121	108748143	TATATTATCTCTCACTACCACTG	5577
TJU_CMC.ID05579.5p-miR	10	+	109029851	109029871	TGACATGGCAGCACCCTTCCT	5578
TJU_CMC.ID05580.3p-miR	10	+	109096466	109096486	CTAGAACCAAAGGTGCAAGAC	5579
TJU_CMC.ID05581.5p-miR	10	+	109287068	109287088	AGCTTTGGTGGAACATGAAGA	5580
TJU_CMC.ID05582.5p-miR	10	-	110919827	110919848	TCACACCTGAAACAGACTTCAG	5581

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TJU_CMC.ID05583.3p-miR	10	+	111459838	111459858	CAGCAGCAACCTGCTGGGGTA	5582
TJU_CMC.ID05584.3p-miR	10	-	112340871	112340890	ATCTAATGCTGTCATATACT	5583
TJU_CMC.ID05585.5p-miR	10	+	112852062	112852083	CTCACAGGGGCTAAGTTCCGCA	5584
TJU_CMC.ID05586.5p-miR	10	+	112860755	112860774	TGCTCTGATTCAGCAGGAAG	5585
TJU_CMC.ID05587.5p-miR	10	+	113300349	113300368	GCATTGGTGGTCCAGTCCAG	5586
TJU_CMC.ID05588.3p-miR	10	+	113492664	113492684	CTCGATGCTAGAGGGAAAGAC	5587
TJU_CMC.ID05589.5p-miR	10	+	113892930	113892949	ATTTGTGGGGGCGGGGAATC	5588
TJU_CMC.ID05590.3p-miR	10	-	113906786	113906809	TCTGTAGATGCTGGCATAGCTCGC	5589
TJU_CMC.ID05591.5p-miR	10	+	114649760	114649781	TCTCTTCTAGACAGAAGACTGC	5590
TJU_CMC.ID05592.3p-miR	10	+	114808308	114808327	CGTGGACGTGTGTCTACTTT	5591
TJU_CMC.ID05593.3p-miR	10	+	115029600	115029621	ACACCCAATGGTAATGGCTATT	5592
TJU_CMC.ID05594.3p-miR	10	+	115548388	115548409	ATCGCTTGCTCAGGGCTATGGC	5593
TJU_CMC.ID05595.3p-miR	10	-	115933868	115933891	TCACCGCGGTCTTTTCCTCCCACT	5594
TJU_CMC.ID05596.3p-miR	10	+	116757623	116757644	ATCGTATGTGCTGCTTGCTACA	5595
TJU_CMC.ID05597.5p-miR	10	-	117035000	117035019	TTGGAATAGTCTGACTTGCT	5596
TJU_CMC.ID05598.5p-miR	10	-	117237510	117237530	TGAGGTAGTAGTTTGACTTAG	5597
TJU_CMC.ID05599.3p-miR	10	-	117584417	117584437	TTATAGTAGAATGATTTAAAC	5598
TJU_CMC.ID05600.3p-miR	10	+	117597249	117597270	CTCGTGCCATACTTTCGGACCA	5599
TJU_CMC.ID05601.5p-miR	10	+	117877306	117877325	ATGGACGGATATACTTCCTA	5600
TJU_CMC.ID05602.3p-miR	10	-	118371349	118371368	TAAATGCTAGCTCAGTGCCC	5601
TJU_CMC.ID05603.3p-miR	10	+	118898339	118898358	GGGCGGCGGGGGGGGTGTGGG	5602
TJU_CMC.ID05604.3p-miR	10	-	119345229	119345250	TCTAGGTAGCTTGACTAGAACC	5603
TJU_CMC.ID05605.3p-miR	10	+	119576561	119576581	CTGACCTATGAGCCAGCAGCT	5604
TJU_CMC.ID05606.5p-miR	10	+	119612576	119612598	CAGTGCAAGCTGCGGTGACCTCC	5605
TJU_CMC.ID05607.3p-miR	10	-	119775462	119775482	CAGATAATGAAAACATACATA	5606
TJU_CMC.ID05608.5p-miR	10	-	120279539	120279560	CAGCTTATTAGGTCAGCAGGCT	5607
TJU_CMC.ID05609.5p-miR	10	-	120485970	120485991	TCCCTGTCTGACTACTTCACAG	5608
TJU_CMC.ID05610.5p-miR	10	-	120493198	120493220	TAAGCTTTTCTATGGGCAAAGTT	5609
TJU_CMC.ID05611.3p-miR	10	-	120698257	120698278	TAGCTTGTGCTTTTGATGTCAA	5610

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TJU_CMC.ID05612.3p-miR	10	-	120819526	120819547	TGCTGCCAGTCTCCTTCAGACA	5611
TJU_CMC.ID05613.5p-miR	10	-	121113825	121113846	TGAGAATATGAGAACTATAGTT	5612
TJU_CMC.ID05614.3p-miR	10	-	121214530	121214551	ACATGGTTTGAGTTTATGTGGT	5613
TJU_CMC.ID05615.3p-miR	10	-	121634743	121634764	TGGAATGGTGGTAATGACCTGG	5614
TJU_CMC.ID05616.5p-miR	10	-	121986740	121986759	TCCTTCTACAAAAAAGCCAA	5615
TJU_CMC.ID05617.5p-miR	10	-	122475573	122475594	TGAGGGCTGCTGGGTGCAGTAC	5616
TJU_CMC.ID05618.3p-miR	10	-	122650095	122650114	CTGAACAGCCTCTGGCAATC	5617
TJU_CMC.ID05619.3p-miR	10	+	123327760	123327779	GTCCAACCCCTTTGACAGCT	5618
TJU_CMC.ID05620.3p-miR	10	-	123858858	123858878	TCCTTCATAGGTGGCCTGGAA	5619
TJU_CMC.ID05621.5p-miR	10	+	123910284	123910303	GAGCGCTGGAGTCTAGGTGG	5620
TJU_CMC.ID05622.3p-miR	10	-	123927011	123927033	AGCTACATCTGATCCCACCCACT	5621
TJU_CMC.ID05623.3p-miR	10	-	124024910	124024930	AGGAATGGCCCATGCAGTCTG	5622
TJU_CMC.ID05624.3p-miR	10	-	124122830	124122851	TGTAGGTGGGAAGCATAATACT	5623
TJU_CMC.ID05625.5p-miR	10	-	124176544	124176565	AGGCTATGATCCTCAGTTGTGT	5624
TJU_CMC.ID05626.5p-miR	10	-	124756369	124756388	CCAGTTTCAGTTGTAGAAAT	5625
TJU_CMC.ID05627.3p-miR	10	+	124756372	124756392	TCTACAACTGAAACTGGCAGT	5626
TJU_CMC.ID05628.3p-miR	10	-	126413382	126413401	TGAGATGATCGTGACATTCT	5627
TJU_CMC.ID05629.5p-miR	10	-	126659927	126659949	AAGCTCAGCCTGACAGGAGTGAG	5628
TJU_CMC.ID05630.3p-miR	10	-	126738250	126738271	TAGCTTATCTCTGCCCGTCCAG	5629
TJU_CMC.ID05631.5p-miR	10	+	126900690	126900711	AAACATAATTTGAATGCAGACC	5630
TJU_CMC.ID05632.5p-miR	10	+	126991395	126991416	TAGAGGTTTTTCCACGTTGACA	5631
TJU_CMC.ID05633.3p-miR	10	+	127295146	127295167	TAGCTTATCAGATCAGGGGGTG	5632
TJU_CMC.ID05634.3p-miR	10	+	127487086	127487107	CTGACTGGCACTGGGGCAAACA	5633
TJU_CMC.ID05635.5p-miR	10	+	127664750	127664770	TTTCACTGTTAGCCTAAGGGG	5634
TJU_CMC.ID05636.5p-miR	10	+	127750146	127750165	GGAATCAAAAGGGTCCTTAT	5635
TJU_CMC.ID05637.3p-miR	10	-	128242456	128242477	CTAGCAATGTATGGGCGTTGCG	5636
TJU_CMC.ID05638.3p-miR	10	-	128316653	128316672	TTTCACGTGTTACATGGAGG	5637
TJU_CMC.ID05639.5p-miR	10	+	128332573	128332593	CCTCTGGGCCCTCTTCTTGAC	5638
TJU_CMC.ID05640.3p-miR	10	-	128385356	128385375	AAAGCATCATCCAATGTATC	5639
TJU_CMC.ID05641.3p-miR	10	-	128422733	128422755	TCAGCTGCCCTGATGACTTGTCA	5640
TJU_CMC.ID05642.3p-miR	10	-	128862596	128862618	TAATCCGCAAAGTTGATGCCAGT	5641

Table 1. Novel miRNA sequences

TJU_CMC.ID05643.3p-miR	10	-	129329905	129329927	AGCAGCAGTGTGTGAGGCTATGA	5642
TJU_CMC.ID05644.3p-miR	10	+	129473379	129473401	ATATATATGTAAAACTAATATAT	5643
TJU_CMC.ID05645.5p-miR	10	-	129614402	129614424	GTCCAGTTTTAACAGGAATTTTC	5644
TJU_CMC.ID05646.5p-miR	10	-	129633029	129633050	TCAAGTCTCAAGGCCAGGTTGA	5645
TJU_CMC.ID05647.3p-miR	10	+	129652030	129652050	CGCGGGCTCGCACGAAAGATC	5646
TJU_CMC.ID05648.5p-miR	10	-	129863694	129863715	ATACACGTTCCAGGAGCCCTTT	5647
TJU_CMC.ID05649.3p-miR	10	+	130218581	130218602	AATAATCACGGGATTGTGATGA	5648
TJU_CMC.ID05650.3p-miR	10	+	130536036	130536056	TTAATGGCTGAGTAATATTGC	5649
TJU_CMC.ID05651.3p-miR	10	-	131048251	131048272	TAGTCTCCGATAAAATCGCAGA	5650
TJU_CMC.ID05652.3p-miR	10	+	131452619	131452642	CGGGGTCGGGCACCTGCCACACTC	5651
TJU_CMC.ID05653.5p-miR	10	-	131564142	131564162	GCCACCTGTGGTGGGTGGGGG	5652
TJU_CMC.ID05654.3p-miR	10	+	131567089	131567108	TCCCTGAGACCCTACAGGCC	5653
TJU_CMC.ID05655.3p-miR	10	+	131903700	131903721	TTCAGATAATCCAGGATGGGCA	5654
TJU_CMC.ID05656.5p-miR	10	-	132092376	132092395	GCAAATTGTTGGACTGTTGA	5655
TJU_CMC.ID05657.3p-miR	10	+	132409320	132409343	ACCCTGGTAACTTGATAATGGCCA	5656
TJU_CMC.ID05658.5p-miR	10	+	133065482	133065504	GAATCTGAGGCAGCAGGGCACTG	5657
TJU_CMC.ID05659.3p-miR	10	+	133257954	133257976	TGTCAGTTTCTATTTTAAAAGTT	5658
TJU_CMC.ID05660.3p-miR	10	-	133605603	133605623	AGTTCGCTTTTCTTTGTGATC	5659
TJU_CMC.ID05661.3p-miR	10	-	133917462	133917482	TGCCGCATGATTTCACGTATA	5660
TJU_CMC.ID05662.5p-miR	10	-	133966698	133966719	TCCTTTGCAAAGATGCACAGTG	5661
TJU_CMC.ID05663.3p-miR	10	+	134018363	134018385	ATCGCCCGACGCACAGCACAGAA	5662
TJU_CMC.ID05664.5p-miR	10	-	134181080	134181102	TAGCTTACTGATGTGATGAATTG	5663
TJU_CMC.ID05665.5p-miR	10	-	134193848	134193868	CAGCAGCACACTGTGGACTGC	5664
TJU_CMC.ID05666.3p-miR	10	+	134211913	134211932	GGTGAGAATCGCCACCTGGG	5665
TJU_CMC.ID05667.5p-miR	10	+	134605009	134605030	GTCCAGCCCTCCCAGGAGGACA	5666
TJU_CMC.ID05668.5p-miR	10	+	134630582	134630601	CGTCAGTAATCCAGGCGTGG	5667
TJU_CMC.ID05669.3p-miR	10	+	134699081	134699100	TGGAGCAGGGGAGCACACTC	5668
TJU_CMC.ID05670.5p-miR	10	-	134701992	134702012	CAGGCGGCAGGGGTACAGGCG	5669
TJU_CMC.ID05671.5p-miR	10	-	134903810	134903829	CCGGGCCGAGGAGGTGGTAG	5670
TJU_CMC.ID05672.3p-miR	11	+	452172	452191	GTCCCGGAGCGAGGAGACCA	5671
TJU_CMC.ID05673.5p-miR	11	-	618885	618904	CCCCCGGTGTGGGAACCAGC	5672

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TJU_CMC.ID05674.5p-miR	11	+	646107	646126	GCCGCCTGTGGTCATGCGCA	5673
TJU_CMC.ID05675.5p-miR	11	+	811681	811702	TGGTCCATCCTAATCCCTGCCG	5674
TJU_CMC.ID05676.5p-miR	11	+	910675	910694	TCCCGGGGCCGAGCCTCGCT	5675
TJU_CMC.ID05677.3p-miR	11	+	993103	993125	TTCCTTGCTGCTGACACAGGTAC	5676
TJU_CMC.ID05678.3p-miR	11	+	1357557	1357576	CCGTCCTCCCCCCTCCCCCG	5677
TJU_CMC.ID05679.3p-miR	11	+	1449661	1449680	CCCTTCTGAGCCACATGTGC	5678
TJU_CMC.ID05680.3p-miR	11	-	1582625	1582644	AGGGGTCATGGAGGTGGCGG	5679
TJU_CMC.ID05681.3p-miR	11	-	1719681	1719700	CGTGTTATTGGCAGGAACAT	5680
TJU_CMC.ID05682.5p-miR	11	+	2001334	2001353	TCCCCGGCTGGAGGTGGGAG	5681
TJU_CMC.ID05683.5p-miR	11	-	2221641	2221660	GCCCCGACGGGGAGCCAAGA	5682
TJU_CMC.ID05684.3p-miR	11	+	2337784	2337806	GCCGCGGGTGTCTCCCTCCCAGG	5683
TJU_CMC.ID05685.3p-miR	11	+	2342106	2342127	AGCTACAGGACTCAGCAGACAA	5684
TJU_CMC.ID05686.3p-miR	11	+	2455062	2455085	GTGTGTAGCTGCACTGTGTGTGCG	5685
TJU_CMC.ID05687.5p-miR	11	+	2761780	2761802	GGGGCCTCAGCTCAGCTGGAGCC	5686
TJU_CMC.ID05688.5p-miR	11	+	2842836	2842856	TTCACAGTGGCTTCCAAGGCC	5687
TJU_CMC.ID05689.3p-miR	11	-	2935941	2935963	AGCAGACGCACCACTTCGATGGC	5688
TJU_CMC.ID05690.5p-miR	11	-	3063455	3063474	GTGTGCAGCCCCAGTGGTCC	5689
TJU_CMC.ID05691.5p-miR	11	+	5180716	5180736	CTGTACCTCCTTTGAGGTGCA	5690
TJU_CMC.ID05692.3p-miR	11	+	5484992	5485013	TTAGTCATTAGGTTTTATGGGA	5691
TJU_CMC.ID05693.5p-miR	11	+	6044371	6044390	ACCGTTATTCCCACAAATAG	5692
TJU_CMC.ID05694.5p-miR	11	-	6116173	6116194	TTGAGATAGTAGTTGCGTTTGA	5693
TJU_CMC.ID05695.5p-miR	11	-	6129565	6129587	CAGGCTGATAACCCCCAAGTTAG	5694
TJU_CMC.ID05696.3p-miR	11	-	6260097	6260120	TTTCCTCCTCCCCTCTTTCCACAG	5695
TJU_CMC.ID05697.5p-miR	11	-	7079003	7079024	ACTCCATCATCCAACAGATTAT	5696
TJU_CMC.ID05698.3p-miR	11	+	7110843	7110862	CGCGCCGTCGGGCCCGGCTC	5697
TJU_CMC.ID05699.5p-miR	11	+	7523764	7523783	AGAGGTAGTAGGTTGAAAGT	5698
TJU_CMC.ID05700.5p-miR	11	+	7541278	7541297	TCCCAGGTTTCGGCACCAGA	5699
TJU_CMC.ID05701.5p-miR	11	+	7794934	7794953	CCACTAAGAGTATGCAGATT	5700
TJU_CMC.ID05702.5p-miR	11	+	7959556	7959577	TGACAGTAATCCAGGCCAGGCG	5701
TJU_CMC.ID05703.3p-miR	11	+	8235985	8236005	TTGCAATGAGCATTATTACCC	5702
TJU_CMC.ID05704.3p-miR	11	+	8463958	8463977	CCTGGTCCTCGCTCTTTCAG	5703

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TJU_CMC.ID05705.5p-miR	11	+	8509191	8509213	GAGGTCATTTCTTGAAGGGAAGA	5704
TJU_CMC.ID05706.5p-miR	11	-	8747778	8747800	AGATCTGATTCAGCAGGAATGAC	5705
TJU_CMC.ID05707.3p-miR	11	+	8760519	8760540	GCATTGCACCAGACTGTTTCCT	5706
TJU_CMC.ID05708.3p-miR	11	-	9294930	9294949	GTGTTCTTGAATGCTATACT	5707
TJU_CMC.ID05709.3p-miR	11	+	10089670	10089689	ATTACCTGATCTATTGCTGC	5708
TJU_CMC.ID05710.5p-miR	11	-	10336404	10336423	TACTCACAGGTTGCTAAGTG	5709
TJU_CMC.ID05711.5p-miR	11	-	10380315	10380334	CCCGATATCATCTTGATACT	5710
TJU_CMC.ID05712.5p-miR	11	-	10505433	10505453	CAGCACCATCCAGGATCAGCT	5711
TJU_CMC.ID05713.5p-miR	11	-	10691836	10691858	ACCTAGAATTTGATTTACACTGC	5712
TJU_CMC.ID05714.5p-miR	11	-	10764615	10764636	TGACTGTGTAGTTTATGGTTGG	5713
TJU_CMC.ID05715.5p-miR	11	-	10808206	10808225	TGTAACCACCAAGTCACCAG	5714
TJU_CMC.ID05716.5p-miR	11	-	10837579	10837600	TTGCAGTAATCCAGGCTAGGGA	5715
TJU_CMC.ID05717.3p-miR	11	+	11195206	11195226	CATGCAATGATTCCCTTTACA	5716
TJU_CMC.ID05718.3p-miR	11	+	11261341	11261362	GTCCAGTGGGACCAGGAATAGA	5717
TJU_CMC.ID05719.5p-miR	11	-	11288308	11288327	TTCTTACCATTTCTAATTAC	5718
TJU_CMC.ID05720.3p-miR	11	-	11553689	11553708	CTTAGTGTTGAGCTGTTGGG	5719
TJU_CMC.ID05721.3p-miR	11	-	11782104	11782124	GGCGGCGGGAGAAGAAAACTC	5720
TJU_CMC.ID05722.3p-miR	11	-	12009622	12009643	GCTTCTGGGGAAACTTCCCTCA	5721
TJU_CMC.ID05723.5p-miR	11	-	12031290	12031311	ATCCTGGCTGGAGCACGGTGTC	5722
TJU_CMC.ID05724.3p-miR	11	+	12031741	12031761	CATTCCCCGGCATCTCCTGCT	5723
TJU_CMC.ID05725.5p-miR	11	+	12273687	12273706	CCCCTATCTGAGGGGCCAAG	5724
TJU_CMC.ID05726.5p-miR	11	+	12314187	12314209	GATGGCAGGCACAGAAGTGAGGG	5725
TJU_CMC.ID05727.5p-miR	11	+	12340218	12340238	GTATCGTGGAGTCCTAGCTGG	5726
TJU_CMC.ID05728.5p-miR	11	-	12420724	12420745	TGTCAGTGGACTGCTATGTTTG	5727
TJU_CMC.ID05729.3p-miR	11	-	13386867	13386888	TCTCTGAAGAACTGTAAGATTG	5728
TJU_CMC.ID05730.3p-miR	11	+	13422986	13423005	AAGGAGCTCACAGTCTATGA	5729
TJU_CMC.ID05731.3p-miR	11	+	13916970	13916989	GGGCACCATCGCCCCAGCTT	5730
TJU_CMC.ID05732.3p-miR	11	-	14055623	14055645	TTCAAGTAATCCTCTCGCTTCAG	5731
TJU_CMC.ID05733.3p-miR	11	-	14079621	14079641	AGGAAAGATGTCAATATAGCT	5732
TJU_CMC.ID05734.3p-miR	11	+	14464638	14464659	TAGCCAAGCAACTTTAGCCAAT	5733
TJU_CMC.ID05735.3p-miR	11	-	14665154	14665173	CCAACAGGGACGCGAGCCGG	5734

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TJU_CMC.ID05736.3p-miR	11	+	14707295	14707314	CCTGGCCTCATCTTTCGTGA	5735
TJU_CMC.ID05737.5p-miR	11	+	14929089	14929110	TTGCTGGCTCTCAGTCTTGGTC	5736
TJU_CMC.ID05738.5p-miR	11	+	15182284	15182306	TGGCTCATAAGAGTGAAAACAGT	5737
TJU_CMC.ID05739.3p-miR	11	+	15351968	15351989	GGAACTGGGGAAACTGAATTGC	5738
TJU_CMC.ID05740.5p-miR	11	+	15392642	15392663	CAGACACCCACTGGGCTGGGCA	5739
TJU_CMC.ID05741.5p-miR	11	-	15451159	15451178	GGATAGAGGTCCCAGGAATG	5740
TJU_CMC.ID05742.3p-miR	11	-	15598588	15598609	TAGCAGGTAGCAGGGCTGAGCG	5741
TJU_CMC.ID05743.5p-miR	11	+	15911338	15911359	CTGGTATGTGGACAGGCTGAGA	5742
TJU_CMC.ID05744.3p-miR	11	+	16174958	16174980	AGCAGTATTGCACAGGGATATGT	5743
TJU_CMC.ID05745.5p-miR	11	-	16782634	16782654	TAGCACCATCTGACATATATA	5744
TJU_CMC.ID05746.5p-miR	11	+	17025211	17025232	TCTAGGTAGTCTGACTCCAAAG	5745
TJU_CMC.ID05747.5p-miR	11	+	17449873	17449892	GGGACCAGGCTCTGCAGTGG	5746
TJU_CMC.ID05748.3p-miR	11	-	17607425	17607446	TTGTTCAAATCCAGGATCTACC	5747
TJU_CMC.ID05749.3p-miR	11	+	17841879	17841901	TCATACTGCCTGGTAATAGCTAG	5748
TJU_CMC.ID05750.5p-miR	11	+	17922121	17922143	TAGCTTATTGAGTCAATGGTTCA	5749
TJU_CMC.ID05751.3p-miR	11	-	18518420	18518439	TCTCCAACTGCAACTCCTGA	5750
TJU_CMC.ID05752.3p-miR	11	-	18525434	18525453	TAATCAGTAATTTTAATGCG	5751
TJU_CMC.ID05753.3p-miR	11	+	19321036	19321055	CCCAGTGTTTAGCAGCATGG	5752
TJU_CMC.ID05754.5p-miR	11	-	19377975	19377997	AAGCTCATCATCATGATCCCAGT	5753
TJU_CMC.ID05755.5p-miR	11	-	19458706	19458728	TAGCTTTATCTCATGAGTGGTCA	5754
TJU_CMC.ID05756.5p-miR	11	+	19572118	19572139	AGCAGCATTGTACAAGGAAAGG	5755
TJU_CMC.ID05757.3p-miR	11	-	19651185	19651206	CCTCTTGGTTTCCAGCAACTGT	5756
TJU_CMC.ID05758.5p-miR	11	+	19963255	19963275	TAGCTTACTGAGGACTCATCT	5757
TJU_CMC.ID05759.3p-miR	11	+	20057167	20057189	TACTCTGCCACTAGGCCTGGGAA	5758
TJU_CMC.ID05760.5p-miR	11	-	20091712	20091732	CCCACGGGATAGAACCTGTCT	5759
TJU_CMC.ID05761.5p-miR	11	-	20117151	20117170	TGACTCAGTTCAGCAGAGGA	5760
TJU_CMC.ID05762.3p-miR	11	-	20410074	20410097	CTCGTTAGTAGTAACTCGTTAGTA	5761
TJU_CMC.ID05763.3p-miR	11	-	20486200	20486221	AAAGGCAATGGTAGACTGTCAG	5762
TJU_CMC.ID05764.5p-miR	11	-	20559360	20559379	GCACACATGTTTTGGGCTTC	5763
TJU_CMC.ID05765.3p-miR	11	-	20589860	20589879	TCCGAGTCACGGCACCAAGT	5764
TJU_CMC.ID05766.3p-miR	11	+	20823347	20823367	GTCCAGTTTTCCCAGCATCGT	5765

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TJU_CMC.ID05767.3p-miR	11	-	21375106	21375128	TAGCTATATCTCATCTACAACAT	5766
TJU_CMC.ID05768.3p-miR	11	+	21647963	21647982	GGGATCTATCCATGGGCAGT	5767
TJU_CMC.ID05769.5p-miR	11	-	21804221	21804242	GCTTCAGTTGGGTATGCGTACA	5768
TJU_CMC.ID05770.3p-miR	11	-	21914697	21914718	TAGCTGCATCTCTGTAGCAGTG	5769
TJU_CMC.ID05771.3p-miR	11	-	22340252	22340274	TAGCTGTAGTTTCCATACTGTTT	5770
TJU_CMC.ID05772.5p-miR	11	-	22379037	22379058	TAGCACCATCTCTGGCATTTAT	5771
TJU_CMC.ID05773.3p-miR	11	-	22768285	22768306	TAGTGATCATAGTACCAAATTA	5772
TJU_CMC.ID05774.5p-miR	11	+	22876638	22876657	CAAATCTGCTATCATAGCTG	5773
TJU_CMC.ID05775.5p-miR	11	-	23361217	23361239	TATGATATCAATGTGATGATGAC	5774
TJU_CMC.ID05776.5p-miR	11	+	23440488	23440509	TAGCACCATCTAGTAAATGTTA	5775
TJU_CMC.ID05777.3p-miR	11	+	23594005	23594026	GTCAGACACAGTTTGCAAACAT	5776
TJU_CMC.ID05778.3p-miR	11	+	24606979	24607000	TGAGTCATCACTTTTATGTTTC	5777
TJU_CMC.ID05779.3p-miR	11	-	24850059	24850081	CAAGGTATCTGTAGTGCAGGAGA	5778
TJU_CMC.ID05780.3p-miR	11	-	25145827	25145848	AGACTGCCATTGGCCTAACTTG	5779
TJU_CMC.ID05781.3p-miR	11	-	25758774	25758794	ATACACGACGGCTTTCAACTC	5780
TJU_CMC.ID05782.5p-miR	11	+	25788311	25788331	TGAGTAGTCTGCACTAGTGAA	5781
TJU_CMC.ID05783.3p-miR	11	+	26427399	26427420	ATACATACTACAGGTGGCCTTG	5782
TJU_CMC.ID05784.5p-miR	11	-	26496551	26496573	AAAGAATAGTCTGTGATGAAGCA	5783
TJU_CMC.ID05785.3p-miR	11	+	27669148	27669168	ATATAGATGTGGCTTCAAATC	5784
TJU_CMC.ID05786.5p-miR	11	-	28119988	28120008	ATAGTTCACAAGCTAAGGCTC	5785
TJU_CMC.ID05787.3p-miR	11	-	28293158	28293178	CTATTGATTGATTTAGTTTTA	5786
TJU_CMC.ID05788.5p-miR	11	+	28372593	28372612	AGCAGGGTCTACTCTACTTG	5787
TJU_CMC.ID05789.5p-miR	11	+	28450168	28450189	TCCCTGAGACAAGCTGGCTACT	5788
TJU_CMC.ID05790.3p-miR	11	+	28931684	28931705	TAGCAGGAAAACTGGCTATCAG	5789
TJU_CMC.ID05791.3p-miR	11	-	29978889	29978910	AGATGCAATGGTGGCAGTCTGG	5790
TJU_CMC.ID05792.5p-miR	11	+	30067911	30067932	TGTGCTGGGCTCAGCGCCCCTG	5791
TJU_CMC.ID05793.5p-miR	11	-	30317414	30317433	TGGAGCAGGGGAGCAAGGCC	5792
TJU_CMC.ID05794.5p-miR	11	+	30851798	30851817	AAAAAACAGTAGCCGCTCAG	5793
TJU_CMC.ID05795.3p-miR	11	+	31117047	31117070	AGTAAGGTTGATCTGATAAGGGTA	5794
TJU_CMC.ID05796.5p-miR	11	+	31847340	31847363	CCACTTTGACCGACGGGGCTGCGG	5795
TJU_CMC.ID05797.5p-miR	11	+	32145993	32146013	ATGCAATGTGGTAAAGGCAGC	5796

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TJU_CMC.ID05798.5p-miR	11	+	32222029	32222051	TCAGTCAAAGTCATCGCTAAACC	5797
TJU_CMC.ID05799.5p-miR	11	-	32702826	32702847	ATTACTACATAGATGACCATGT	5798
TJU_CMC.ID05800.3p-miR	11	-	33123867	33123888	TAGGAATATGAGACAGTAATGA	5799
TJU_CMC.ID05801.3p-miR	11	+	34092554	34092573	ATACTCTTATATCACCTAGT	5800
TJU_CMC.ID05802.5p-miR	11	+	34587123	34587144	GCTACTACATGCAATTAACAGC	5801
TJU_CMC.ID05803.5p-miR	11	+	34615920	34615941	AGTTTAGTATGTTATTATTGTC	5802
TJU_CMC.ID05804.5p-miR	11	+	34634652	34634673	AATGATGCCTGCACTGGCATGA	5803
TJU_CMC.ID05805.3p-miR	11	+	35140506	35140529	GGGATCTGAGGAGAAGTTTGCTTG	5804
TJU_CMC.ID05806.3p-miR	11	+	35231229	35231250	CCTGGACAATCCAGGATAGGCA	5805
TJU_CMC.ID05807.3p-miR	11	-	35268204	35268225	TAGAGGTAACTCAGTTACAAAC	5806
TJU_CMC.ID05808.5p-miR	11	-	35280580	35280601	ATGACATTGGTCTTTATTTCCA	5807
TJU_CMC.ID05809.3p-miR	11	-	35425011	35425033	TGTGCAGGCTTGCATGAAATCCT	5808
TJU_CMC.ID05810.5p-miR	11	-	35492551	35492573	TGTGCACATACATGCAAACAGTG	5809
TJU_CMC.ID05811.3p-miR	11	+	35831063	35831085	TGCTGACTTGAGCCCACCCCCAG	5810
TJU_CMC.ID05812.3p-miR	11	+	36188423	36188442	AAGCACCATTTGAATAGCGA	5811
TJU_CMC.ID05813.5p-miR	11	-	36284819	36284840	GTCTTCATTAGGTTTATGGGGA	5812
TJU_CMC.ID05814.3p-miR	11	-	36293354	36293374	CTGACAGCCAGGCCAGTGATG	5813
TJU_CMC.ID05815.3p-miR	11	-	36828309	36828328	GACTGTACAGCATCCTGAAA	5814
TJU_CMC.ID05816.5p-miR	11	-	37066086	37066107	TGGACTGGGTGATTTATTAGGT	5815
TJU_CMC.ID05817.5p-miR	11	+	37069953	37069973	TCAGCGCAATGATGCTGCAAT	5816
TJU_CMC.ID05818.5p-miR	11	-	38727448	38727470	CAGTGTGGATTTACACAACAGAA	5817
TJU_CMC.ID05819.5p-miR	11	+	39234705	39234726	CACTAGATTGTGAGCTCCTAGA	5818
TJU_CMC.ID05820.5p-miR	11	-	39363182	39363201	CCCCCCACTGCTGGCGGCTG	5819
TJU_CMC.ID05821.5p-miR	11	+	39686488	39686507	TTCTCTCGGAATTGTATCTA	5820
TJU_CMC.ID05822.5p-miR	11	-	39688399	39688418	AGCATGCTGAGAGCTTACAC	5821
TJU_CMC.ID05823.5p-miR	11	-	39946841	39946860	GGATATAGGGAAAAGCCCCT	5822
TJU_CMC.ID05824.3p-miR	11	+	40221381	40221403	GCTAGATAACTCCAGGGATGTTC	5823
TJU_CMC.ID05825.5p-miR	11	-	40390438	40390459	ATCACATTATTGAAGATTAGAT	5824
TJU_CMC.ID05826.5p-miR	11	-	40667089	40667109	TTTGCAGTGGCTACTGGAATA	5825
TJU_CMC.ID05827.3p-miR	11	-	41026277	41026298	CCCCCTCTGCTTTATTTTTGTCA	5826
TJU_CMC.ID05828.5p-miR	11	+	41149342	41149362	GCTAGTATTCCAGAGTGAAAA	5827

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TJU_CMC.ID05829.5p-miR	11	+	41872221	41872242	TGACACTGAATCGGACCTGAGA	5828
TJU_CMC.ID05830.3p-miR	11	+	41891371	41891393	TTCTGGTTTGAGAAATACAAACA	5829
TJU_CMC.ID05831.5p-miR	11	-	41924117	41924138	CTCAGTGATGCAGCTCTTGCAG	5830
TJU_CMC.ID05832.5p-miR	11	+	42296280	42296302	CCCCTGTGGACTCAGGTTCAAAG	5831
TJU_CMC.ID05833.5p-miR	11	+	42761424	42761445	ATCAGCATTGTTCCATAGGTCC	5832
TJU_CMC.ID05834.3p-miR	11	+	42795639	42795659	CTAGGTGGTTTCCACGTTCTA	5833
TJU_CMC.ID05835.5p-miR	11	-	43184046	43184065	ATGCCATGTTGGACTGCCAG	5834
TJU_CMC.ID05836.3p-miR	11	-	43577528	43577549	TGCGTCATTAGGTCTCCCTTAG	5835
TJU_CMC.ID05837.3p-miR	11	-	44557555	44557575	ACACAGGTGGTGTCCATCTCC	5836
TJU_CMC.ID05838.5p-miR	11	+	44710913	44710934	GTTGGCAAATCCAGCAGCTCAA	5837
TJU_CMC.ID05839.5p-miR	11	+	45260553	45260572	AATTTTATACGCAGGAACAG	5838
TJU_CMC.ID05840.5p-miR	11	-	45299511	45299531	TGAGGATACAGTGGTAACTAC	5839
TJU_CMC.ID05841.5p-miR	11	+	45643888	45643907	GGGGGGTCTGCTAAATTTAG	5840
TJU_CMC.ID05842.3p-miR	11	+	45986971	45986991	TTTGGCTATGGTTGCAGTCTG	5841
TJU_CMC.ID05843.5p-miR	11	-	46744998	46745018	TAGCACCAGGGTCCCGTGGTG	5842
TJU_CMC.ID05844.3p-miR	11	+	47349399	47349422	GGGCCATGATGGTGGCTGAGCCTG	5843
TJU_CMC.ID05845.3p-miR	11	+	47436691	47436712	TTGGAAGAAGAGGACCCGTGGT	5844
TJU_CMC.ID05846.5p-miR	11	+	48288230	48288251	ATATGTTGCTCAGGTAATTTTA	5845
TJU_CMC.ID05847.5p-miR	11	-	55242852	55242875	TCATGTCTCAAAGGATGTTCAGTC	5846
TJU_CMC.ID05848.5p-miR	11	+	55735359	55735378	GCTACTACATGGACTGTTAT	5847
TJU_CMC.ID05849.5p-miR	11	+	56015135	56015155	AAACCGTAGATCTAGTGAATG	5848
TJU_CMC.ID05850.5p-miR	11	-	56349549	56349569	TATGCAATGTCTGCCTCCCAG	5849
TJU_CMC.ID05851.5p-miR	11	-	57000075	57000098	GCAGCCATCCTTTAAGAGGGGGCA	5850
TJU_CMC.ID05852.5p-miR	11	+	57253774	57253795	ACATGGCAAGACCCTGTTTATC	5851
TJU_CMC.ID05853.5p-miR	11	+	57696372	57696394	TAGCTTATCTCTTCAATGGGTCC	5852
TJU_CMC.ID05854.5p-miR	11	+	58146204	58146223	AAATGTAGAATAAGTGGATC	5853
TJU_CMC.ID05855.5p-miR	11	-	58399961	58399981	AAATGGCAGAGTAATAATGTA	5854
TJU_CMC.ID05856.3p-miR	11	-	58779555	58779576	TCTCAGTATGTCAAATATCCCC	5855
TJU_CMC.ID05857.5p-miR	11	-	59024029	59024050	CAGACGAATGTTGGGGCAAAGG	5856
TJU_CMC.ID05858.3p-miR	11	+	59030734	59030753	AGGGAAACAAAGATCACACC	5857
TJU_CMC.ID05859.3p-miR	11	+	59373165	59373184	CCTTTTAGTAATACTGACTG	5858

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TJU_CMC.ID05860.3p-miR	11	+	59649561	59649580	TTATGGATATAGGGAAATCA	5859
TJU_CMC.ID05861.5p-miR	11	+	60675511	60675532	TAGCACCACTCAGGTGATTGGC	5860
TJU_CMC.ID05862.5p-miR	11	-	60727972	60727992	CAGTCGGTAGAGCATTAGATC	5861
TJU_CMC.ID05863.3p-miR	11	+	60930002	60930024	CATGCTCAAATCTGTCTCCCCAA	5862
TJU_CMC.ID05864.5p-miR	11	-	61102749	61102769	TGCCTTATAATGCAGATGAAG	5863
TJU_CMC.ID05865.3p-miR	11	+	61327383	61327404	AGGCTGAGACCCTAGTCCAGCT	5864
TJU_CMC.ID05866.3p-miR	11	+	61344025	61344046	CGGACTGGGCCTCCCGCCCCCA	5865
TJU_CMC.ID05867.3p-miR	11	-	61367332	61367352	GGACTCATTTCCAGGGTAGGT	5866
TJU_CMC.ID05868.3p-miR	11	-	61553765	61553784	TGGAACAGCAACTCCAGTGT	5867
TJU_CMC.ID05869.3p-miR	11	+	62325282	62325303	GTGACACCCACTGGGCGTGGTG	5868
TJU_CMC.ID05870.3p-miR	11	+	62343550	62343569	CAGGTCAAAAGGGTCCTGGA	5869
TJU_CMC.ID05871.5p-miR	11	+	62435079	62435100	GACAGTGGTTGGTGGCTTCCAG	5870
TJU_CMC.ID05872.3p-miR	11	-	62439655	62439678	CCGGACTCTCCGCTGGGCCCACGA	5871
TJU_CMC.ID05873.5p-miR	11	-	62460714	62460734	CAAAGTGCTGCAAGTACAGGT	5872
TJU_CMC.ID05874.5p-miR	11	-	62473787	62473806	GCCGGCGGAGAGGGGCGGGA	5873
TJU_CMC.ID05875.5p-miR	11	-	62599428	62599448	CGGCGGCAGGCGGCAGAGGGG	5874
TJU_CMC.ID05876.5p-miR	11	-	62610063	62610084	GCTGGTCGGCCTGAAAGTAACT	5875
TJU_CMC.ID05877.3p-miR	11	-	62622814	62622837	TACGGGGATGATTTTACGAACTGA	5876
TJU_CMC.ID05878.3p-miR	11	-	62623083	62623103	TTCCTATGATGAGGACCTTTT	5877
TJU_CMC.ID05879.5p-miR	11	+	62756975	62756994	GTGACCTATGAGTTGACGCA	5878
TJU_CMC.ID05880.5p-miR	11	+	62760364	62760386	CTTCTCATCTTGTTAAGACTCAG	5879
TJU_CMC.ID05881.5p-miR	11	-	62824758	62824781	TCTGTGAAATATTTTAAAGACTAT	5880
TJU_CMC.ID05882.3p-miR	11	-	63447311	63447330	GGAAAGGCGATCTGACCAGT	5881
TJU_CMC.ID05883.5p-miR	11	+	63530996	63531017	TCGTAGGCCTCCAGGATAGTCT	5882
TJU_CMC.ID05884.5p-miR	11	-	63535916	63535939	GCGGCCCGGGCGGGGGGCCCCGGCG	5883
TJU_CMC.ID05885.5p-miR	11	-	63714569	63714588	TCGTAAATACGAAGAACAAT	5884
TJU_CMC.ID05886.3p-miR	11	+	63978503	63978524	TGAGACCCTAGCTCCCCTCAGG	5885
TJU_CMC.ID05887.5p-miR	11	+	63987885	63987908	TCCCCCTCACCCCTCTCGCCCAGG	5886
TJU_CMC.ID05888.3p-miR	11	+	64024068	64024090	TGCTGATCCTCTCCCACCCCAGA	5887
TJU_CMC.ID05889.3p-miR	11	+	64074585	64074606	TCTCCCATCCCCCATACCAGTG	5888
TJU_CMC.ID05890.5p-miR	11	-	64480415	64480436	CCCCGGGGAGCGGCCGCCCGGT	5889

Table 1. Novel miRNA sequences

TJU_CMC.ID05891.3p-miR	11	-	64507281	64507303	AGGCCACTCCTCATGCCCCCAGT	5890
TJU_CMC.ID05892.3p-miR	11	+	64507903	64507924	TCGAGGAGCTCACAGTCTACTG	5891
TJU_CMC.ID05893.3p-miR	11	-	64559558	64559579	AGCATCCCTGCTGCCCCCTAGA	5892
TJU_CMC.ID05894.3p-miR	11	+	64563575	64563594	GCCGGCGGGAGGGGGTGGGA	5893
TJU_CMC.ID05895.5p-miR	11	+	64866346	64866368	AGGAGCATTGATGTCTTAGAAGC	5894
TJU_CMC.ID05896.3p-miR	11	+	64870040	64870060	GTCATGGGCTCAAACACCCAC	5895
TJU_CMC.ID05897.3p-miR	11	-	65054782	65054804	TAGGAAATGTCTGGTCGTCCAGT	5896
TJU_CMC.ID05898.5p-miR	11	-	65414274	65414293	CCCGGCGGCGACCCGCGCCC	5897
TJU_CMC.ID05899.3p-miR	11	-	65762131	65762152	TTCTTCAGGCTTGAATACTTTA	5898
TJU_CMC.ID05900.5p-miR	11	-	65819314	65819333	CGCCCACCCCCGGCCCAGGC	5899
TJU_CMC.ID05901.3p-miR	11	+	66025058	66025077	TGCGCCCCGGGCGGGGTCCTC	5900
TJU_CMC.ID05902.3p-miR	11	+	66110004	66110025	TCTCCACTGCCTTTGCAACTGG	5901
TJU_CMC.ID05903.3p-miR	11	-	66114515	66114536	TCGCGTTACGAGGCAGCCGTGC	5902
TJU_CMC.ID05904.3p-miR	11	-	66211656	66211677	TCTACTACATGAGGCATGTTAA	5903
TJU_CMC.ID05905.5p-miR	11	+	66259049	66259069	AGGGGCTCCCGCTTCTGGATC	5904
TJU_CMC.ID05906.5p-miR	11	+	66294221	66294242	CCCCGAAAGACCCGGCTTTACG	5905
TJU_CMC.ID05907.3p-miR	11	+	66783987	66784010	TTTACATGCTAGACTGGTGTTTCT	5906
TJU_CMC.ID05908.5p-miR	11	+	67334237	67334256	GCGGGTGGATCACTCGGATC	5907
TJU_CMC.ID05909.3p-miR	11	+	67419597	67419616	TCGTACCGTGAGTACAGTGA	5908
TJU_CMC.ID05910.5p-miR	11	-	67915728	67915747	GGTCCTGAGAGATGAATAGG	5909
TJU_CMC.ID05911.5p-miR	11	+	68019348	68019370	GCTTAGTGACTCTCTGCCTTGCT	5910
TJU_CMC.ID05912.3p-miR	11	-	68215772	68215794	ACCGATAGGGTTTGGCTGTGTCC	5911
TJU_CMC.ID05913.3p-miR	11	+	68216247	68216266	ATCCCACTCCTCTGTGTGTG	5912
TJU_CMC.ID05914.5p-miR	11	+	68372775	68372796	TGTCTCAAACAAAAGCGAAAAC	5913
TJU_CMC.ID05915.3p-miR	11	+	68609120	68609140	CGGTTCCGGCGGCGTCCCCCA	5914
TJU_CMC.ID05916.5p-miR	11	+	68773085	68773105	GCGCCGTCGGGCCCGGCACTC	5915
TJU_CMC.ID05917.5p-miR	11	+	68920324	68920344	CTGACAGCGTCCTTGACTAGC	5916
TJU_CMC.ID05918.3p-miR	11	-	69021785	69021807	ATCCAGGTTGGTCAATCAGTGTT	5917
TJU_CMC.ID05919.3p-miR	11	-	69192795	69192815	GGCGGCTGCGCCCGTTGGGTG	5918
TJU_CMC.ID05920.3p-miR	11	+	69432228	69432248	GATGCATCAGAGGCTCAGCAG	5919
TJU_CMC.ID05921.3p-miR	11	+	69464918	69464937	CCCAGCCCTGCTCCTTGTGG	5920

Table 1. Novel miRNA sequences

TJU_CMC.ID05922.5p-miR	11	-	69777868	69777887	GAGGGGGCATCTCCACCAGG	5921
TJU_CMC.ID05923.5p-miR	11	-	69932627	69932648	AGTGAGCCACTGGTATGGATGG	5922
TJU_CMC.ID05924.5p-miR	11	-	70350279	70350300	AGCAGGAGGATATGCGTACAGC	5923
TJU_CMC.ID05925.3p-miR	11	-	70711796	70711817	AGCTACATCAGAAGGCGGTGCG	5924
TJU_CMC.ID05926.5p-miR	11	-	70841696	70841717	TAGCAGATGCCGTAGAGGTGGA	5925
TJU_CMC.ID05927.3p-miR	11	+	70880747	70880768	AGATCGTACCACTGCAGCAGCT	5926
TJU_CMC.ID05928.3p-miR	11	+	71551641	71551661	CTGCCATCACCGCTGCCACCA	5927
TJU_CMC.ID05929.5p-miR	11	+	71667570	71667589	AACGAGAACTTTGAAGTCGG	5928
TJU_CMC.ID05930.5p-miR	11	-	71791532	71791551	AGGTACGATTCCGGAGAATC	5929
TJU_CMC.ID05931.5p-miR	11	+	71891683	71891704	ATCACATCATTCTGTGCCCTTG	5930
TJU_CMC.ID05932.3p-miR	11	+	72355285	72355305	AGAGGTGTAGAGTAAGTGATC	5931
TJU_CMC.ID05933.3p-miR	11	+	72469876	72469895	GCCAGCCCTGCTCCTTACAG	5932
TJU_CMC.ID05934.3p-miR	11	-	72729638	72729660	GGCATTTATCCATGCAATCAGTG	5933
TJU_CMC.ID05935.5p-miR	11	+	72861630	72861652	TGTAGACCCAGAGGTTTAACAGT	5934
TJU_CMC.ID05936.3p-miR	11	-	73112929	73112952	AGGACCCAGCCTTCAAAATTCCTG	5935
TJU_CMC.ID05937.5p-miR	11	+	73342928	73342949	TGCCTGTAATCTGAATACTTTG	5936
TJU_CMC.ID05938.3p-miR	11	+	73695273	73695296	CTGGCTGTGCATTCCGGAGAGGCT	5937
TJU_CMC.ID05939.3p-miR	11	+	73795903	73795924	AAGTGATAATCCAGGATCCTTA	5938
TJU_CMC.ID05940.3p-miR	11	+	73942320	73942342	TTCAAGTAATCCTCCTGCTTTAG	5939
TJU_CMC.ID05941.5p-miR	11	-	74400476	74400498	ACAGTTGTTGCTGGGCGTGGTGG	5940
TJU_CMC.ID05942.5p-miR	11	-	74405580	74405599	CCTGTACCGTGGCTCCTTTC	5941
TJU_CMC.ID05943.5p-miR	11	+	74799131	74799151	TTATGGTTTATTCAATCAGTT	5942
TJU_CMC.ID05944.5p-miR	11	-	74895141	74895162	ATCATGCCGCCAGGGAGTTCTT	5943
TJU_CMC.ID05945.5p-miR	11	-	74984746	74984766	GTGAGCTGGGTTAGACCCAAC	5944
TJU_CMC.ID05946.3p-miR	11	+	75093620	75093642	TTCCAGTGGGAAACTGAATCAAG	5945
TJU_CMC.ID05947.5p-miR	11	+	75273405	75273427	AGCGCCGAGCAATCTGGGGGTGC	5946
TJU_CMC.ID05948.3p-miR	11	-	75640529	75640550	CTAAATCCCCCTATTTTAACCC	5947
TJU_CMC.ID05949.3p-miR	11	-	77185247	77185267	CCGCCGCGCCGGGGAGGGGGA	5948
TJU_CMC.ID05950.3p-miR	11	+	78128926	78128949	CGCGCGCGCCCGCTCCCCCGCCCC	5949
TJU_CMC.ID05951.5p-miR	11	-	78615972	78615991	ACCCGCATAATATCATCTGC	5950
TJU_CMC.ID05952.5p-miR	11	+	78863324	78863346	CAGAAAATGAGAGTTAGAGCTTT	5951

Table 1. Novel miRNA sequences

TJU_CMC.ID05953.3p-miR	11	+	78865122	78865142	CTCTTGCTGCTTGTGCTAGTT	5952
TJU_CMC.ID05954.5p-miR	11	+	79020560	79020580	GATCGTGCTCATAGCACATCA	5953
TJU_CMC.ID05955.5p-miR	11	+	79080820	79080841	GTGACTGGGTCAAATTCCCCCA	5954
TJU_CMC.ID05956.5p-miR	11	+	79081386	79081407	CAGCTTATCAGACTGGAGTAGA	5955
TJU_CMC.ID05957.5p-miR	11	-	79436008	79436029	TCAGTCTCTGTCTTTATGGGTG	5956
TJU_CMC.ID05958.5p-miR	11	+	79607785	79607805	TTGTAATCAGTGGCAAGCTTT	5957
TJU_CMC.ID05959.3p-miR	11	-	79627862	79627882	TCACCTATGAATTGACACCAA	5958
TJU_CMC.ID05960.5p-miR	11	-	80452193	80452213	TGCCCTCATGGAGGTGGTATA	5959
TJU_CMC.ID05961.5p-miR	11	+	80982358	80982379	GTAATGCGTAAGAAAGCCCTGT	5960
TJU_CMC.ID05962.5p-miR	11	-	81155219	81155240	AAGGCTATATCATTAGCATCAA	5961
TJU_CMC.ID05963.5p-miR	11	+	81512119	81512140	AGAGTACCCACTGGGGCAATGC	5962
TJU_CMC.ID05964.5p-miR	11	-	81838216	81838237	TCTGAGTAATCTGAGAACTTAG	5963
TJU_CMC.ID05965.5p-miR	11	-	82444619	82444640	GGCTCCGGCGGGTGCGCTGCTG	5964
TJU_CMC.ID05966.5p-miR	11	-	82562202	82562225	CTTCTCAGCTCAGCAGGACACTGG	5965
TJU_CMC.ID05967.3p-miR	11	-	83629644	83629665	TTTTCCTCTGGGATTCTTGTGA	5966
TJU_CMC.ID05968.5p-miR	11	+	83710038	83710059	TGAGTGCTGCCAGGGATGAGGC	5967
TJU_CMC.ID05969.5p-miR	11	-	84466124	84466146	TAGCTTGCTGCTTTGATGTTGAA	5968
TJU_CMC.ID05970.3p-miR	11	+	85098647	85098668	TGTCAGTAAGTCAAATATTTTG	5969
TJU_CMC.ID05971.3p-miR	11	-	85250274	85250293	GTCAGGATGACCGAGCAGTC	5970
TJU_CMC.ID05972.3p-miR	11	-	85779650	85779670	CCCGCTCCCCGGCGCCCGCGC	5971
TJU_CMC.ID05973.3p-miR	11	+	85984994	85985015	ATCTGTAGTAGATTGATGTTTT	5972
TJU_CMC.ID05974.3p-miR	11	+	86300195	86300216	TTCTTGGTAAACTTGCTGCCAC	5973
TJU_CMC.ID05975.5p-miR	11	-	86542465	86542485	GGTACACCTGCTATGACATTA	5974
TJU_CMC.ID05976.5p-miR	11	+	86542467	86542486	ATGTCATAGCAGGTGTACCC	5975
TJU_CMC.ID05977.3p-miR	11	+	86769619	86769638	CGCCTTGGCCTATGATAAAT	5976
TJU_CMC.ID05978.3p-miR	11	+	86845826	86845848	CTGTATAGCTTTAGTATTTTAAG	5977
TJU_CMC.ID05979.3p-miR	11	+	87160402	87160421	GTAAATGGTTGTCCTATTTA	5978
TJU_CMC.ID05980.5p-miR	11	+	87275388	87275407	AGGCAAGAAGGTGCCCAGTA	5979
TJU_CMC.ID05981.5p-miR	11	+	87283930	87283949	GTCCTTAGCCAGCAGGCTGG	5980
TJU_CMC.ID05982.5p-miR	11	-	87566293	87566314	TATACAACCTCAGTAAGCCAAT	5981
TJU_CMC.ID05983.5p-miR	11	+	87972290	87972311	TCCCTGAGACAAATACTTGTGT	5982

Table 1. Novel miRNA sequences

TJU_CMC.ID05984.3p-miR	11	-	87980032	87980053	GAATCAGATGCCTATGAAATGA	5983
TJU_CMC.ID05985.5p-miR	11	-	88005251	88005270	GTCCAGTTTTCCCAGTAAAA	5984
TJU_CMC.ID05986.3p-miR	11	+	88006823	88006844	AAGTGCAATGGTAATTCAGTGG	5985
TJU_CMC.ID05987.3p-miR	11	-	88376306	88376328	AGCAGCAGGTGCCAGCGCTATGC	5986
TJU_CMC.ID05988.3p-miR	11	+	88701595	88701614	AATCCCGACTGTTTGGGAGG	5987
TJU_CMC.ID05989.3p-miR	11	-	89842871	89842891	GTCTCTTTGTCAAAATAAAAT	5988
TJU_CMC.ID05990.5p-miR	11	-	90575030	90575049	TCACAGAGCTATCACCTAGT	5989
TJU_CMC.ID05991.5p-miR	11	-	90951345	90951364	CGCAGTTTTACTTAGGCCCT	5990
TJU_CMC.ID05992.3p-miR	11	-	91039027	91039049	TAGTCCGTCAGAGACTACAGCTG	5991
TJU_CMC.ID05993.3p-miR	11	-	91589656	91589678	CACTCTGTTCAGAAGCACTTCCC	5992
TJU_CMC.ID05994.5p-miR	11	+	92210010	92210029	GAAAATTACAAGAAGTTGCC	5993
TJU_CMC.ID05995.3p-miR	11	-	92390093	92390114	TCCAGTCTGTAAGCCAGGTGTT	5994
TJU_CMC.ID05996.3p-miR	11	-	92770047	92770066	TAGGAATATTCTGTAGCAAA	5995
TJU_CMC.ID05997.3p-miR	11	-	92855870	92855891	TGTCAGTGTGCTGCAATTTAAC	5996
TJU_CMC.ID05999.5p-miR	11	-	93464718	93464738	ATGTTATGATGATGGGCGAAA	5997
TJU_CMC.ID06000.3p-miR	11	-	93703764	93703785	AGAGGGTTGGGACAGCAACTCA	5998
TJU_CMC.ID06001.5p-miR	11	-	93877530	93877551	ACGACATCATCAAAAATGTCAC	5999
TJU_CMC.ID06002.5p-miR	11	-	93932801	93932822	AGCTGTGGGTGTGGGCGTGGGT	6000
TJU_CMC.ID06003.5p-miR	11	-	93979294	93979315	TTGGGACATCTAGGCTACTCAC	6001
TJU_CMC.ID06004.3p-miR	11	+	95012665	95012684	TTGTCGTATAGAATAACATA	6002
TJU_CMC.ID06005.5p-miR	11	-	95033970	95033991	TCCAGATAATTCAGGATAGCAA	6003
TJU_CMC.ID06006.5p-miR	11	+	95055428	95055450	TCCCTGTCCTCCAGGAGATCACA	6004
TJU_CMC.ID06007.3p-miR	11	+	95184280	95184301	ATTGATATGCCAGTCTAATTAC	6005
TJU_CMC.ID06008.5p-miR	11	+	95327518	95327540	GCCCAGTTTTCTGTCCTTAGGGG	6006
TJU_CMC.ID06009.3p-miR	11	+	95516242	95516262	TGCTGTGACGATGGTGATGGT	6007
TJU_CMC.ID06010.5p-miR	11	+	95566664	95566685	TGGAGACTTCTGCAGAAGGTGA	6008
TJU_CMC.ID06011.3p-miR	11	+	96207812	96207833	GGATCAGATGGGATCAGGTGTA	6009
TJU_CMC.ID06012.5p-miR	11	-	96874836	96874856	CTCACAGGGCTAAAATTAAGT	6010
TJU_CMC.ID06013.5p-miR	11	-	98661032	98661052	AGATGGATTTATGTGTGTGTG	6011
TJU_CMC.ID06014.5p-miR	11	+	99050325	99050344	GATGATGCCATATGATCCAT	6012
TJU_CMC.ID06015.3p-miR	11	-	100741144	100741166	CAGCAGGGCAGCCAGGGAAATGC	6013

Table 1. Novel miRNA sequences

TJU_CMC.ID06016.5p-miR	11	+	101358508	101358527	TATCTATGATGATGGATTTT	6014
TJU_CMC.ID06017.3p-miR	11	-	101454566	101454588	CTCTTCAGCTCCGTCTCCCTTGC	6015
TJU_CMC.ID06018.5p-miR	11	-	101660857	101660877	ATGACCTATGAATAGACCCAC	6016
TJU_CMC.ID06019.5p-miR	11	-	101992332	101992354	GCTACTAAGTGACCAATGGGGTG	6017
TJU_CMC.ID06020.5p-miR	11	-	102003216	102003237	TGTCTCAAACAGTGAATAAAAC	6018
TJU_CMC.ID06021.5p-miR	11	+	102147792	102147813	TTCCTGATCAAAGCCATGTGTC	6019
TJU_CMC.ID06022.3p-miR	11	+	102689602	102689624	CCATCTGAAGACTACTTCTGTCA	6020
TJU_CMC.ID06023.3p-miR	11	-	102774263	102774284	TCTTCAATGTAGTAATAATGCC	6021
TJU_CMC.ID06024.5p-miR	11	-	102848046	102848067	TTCAAGTATTCCCAGATAGCGA	6022
TJU_CMC.ID06025.3p-miR	11	-	102876120	102876141	ATCATGCCCAACTGCTAAAGGT	6023
TJU_CMC.ID06026.3p-miR	11	+	103209749	103209770	CAGCCATTTTAGCATTACCAGG	6024
TJU_CMC.ID06027.3p-miR	11	+	104945369	104945390	CTTATCTGAGGGGGGGAGTTTTT	6025
TJU_CMC.ID06028.5p-miR	11	-	104946974	104946995	AGCCATGCGTTCGTACACTCAA	6026
TJU_CMC.ID06029.5p-miR	11	+	105071796	105071815	GGGCTCAGTTCAGCAGACAA	6027
TJU_CMC.ID06030.5p-miR	11	+	105498402	105498423	TAGCTTATCATTGCAACCATGT	6028
TJU_CMC.ID06031.5p-miR	11	-	105836184	105836207	AATTATTACTCCCTTTATTTTTTA	6029
TJU_CMC.ID06032.3p-miR	11	-	106599182	106599204	ATCATGAATTCAGGGATTTCCAA	6030
TJU_CMC.ID06033.5p-miR	11	-	106743063	106743082	TAGGAATATGAGTGTCACTT	6031
TJU_CMC.ID06034.3p-miR	11	+	106877046	106877067	TGAGAGATTAGTGAGATAGATG	6032
TJU_CMC.ID06035.3p-miR	11	-	107053728	107053749	GGACCACATCATCTCTGGCTTT	6033
TJU_CMC.ID06036.5p-miR	11	-	107387240	107387260	ATCATGGAGCTTTTCTTGTAT	6034
TJU_CMC.ID06037.5p-miR	11	+	107784440	107784460	GGGCAGAGCAGCAATATAGCC	6035
TJU_CMC.ID06038.5p-miR	11	+	109014340	109014360	CATCAACTTAGCAAGCTCGCC	6036
TJU_CMC.ID06039.3p-miR	11	+	109070208	109070229	TGTCTCAAACTCATTATGCCTC	6037
TJU_CMC.ID06040.5p-miR	11	-	109253512	109253531	GCCCGCATCCTCCACCTGGC	6038
TJU_CMC.ID06041.3p-miR	11	+	109689365	109689387	TAGGTTGTAAACTTGCTGAGCAC	6039
TJU_CMC.ID06042.3p-miR	11	-	109809073	109809093	GCCTTTAAATTATAGGATCTT	6040
TJU_CMC.ID06043.5p-miR	11	+	109865779	109865798	CACTCGCCAGGAAGTACATC	6041
TJU_CMC.ID06044.3p-miR	11	-	110047898	110047917	TCCCCGGGTGGAGGTGGGAA	6042
TJU_CMC.ID06045.3p-miR	11	+	110148673	110148695	TAATCCATTGAGTTTATGTTTGT	6043
TJU_CMC.ID06046.3p-miR	11	-	110244354	110244374	AAACCAAATGATAATGACTCA	6044

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TJU_CMC.ID06047.5p-miR	11	+	111073202	111073223	TTCTCAGAGTTTCCACTTCTGA	6045
TJU_CMC.ID06048.5p-miR	11	-	112352065	112352085	TTTGGCAATGGTAAAGACCCA	6046
TJU_CMC.ID06049.3p-miR	11	-	112592802	112592821	CTTCCTACTTCTCTTATGAG	6047
TJU_CMC.ID06050.3p-miR	11	-	112702789	112702809	TAGCAGCACATAATGTGGTGA	6048
TJU_CMC.ID06051.5p-miR	11	-	112990026	112990045	ATCATCGGCTATTGTTCCAG	6049
TJU_CMC.ID06052.3p-miR	11	+	113133042	113133062	CGATCCAATGCATCTCCACCA	6050
TJU_CMC.ID06053.3p-miR	11	-	113149924	113149946	AGCCTTGATTCTACAGCAGGTCT	6051
TJU_CMC.ID06054.5p-miR	11	+	113150472	113150491	GGTAGCGTGGCCAGATGACT	6052
TJU_CMC.ID06055.5p-miR	11	-	113368573	113368594	ACAGGCTGAGTATCATTGCAAC	6053
TJU_CMC.ID06056.5p-miR	11	-	113388219	113388238	TGAGGTAGTAGTTTGAATGG	6054
TJU_CMC.ID06057.5p-miR	11	+	113565968	113565988	ACTGCAAGAAGGGGCCTGGCA	6055
TJU_CMC.ID06058.3p-miR	11	+	113745876	113745895	ATCCCTGCGGCGGAGAACCC	6056
TJU_CMC.ID06059.5p-miR	11	-	113985540	113985559	ATGGTAGTGCACACCTTGCA	6057
TJU_CMC.ID06060.3p-miR	11	-	114102589	114102612	TAAGTGATCCTTAAAGGGTTTTTC	6058
TJU_CMC.ID06061.5p-miR	11	-	114981860	114981882	CAGAGGCGGTGACCATACAAAGT	6059
TJU_CMC.ID06062.5p-miR	11	+	115021916	115021937	GCTTACAGCTGAGTCAGCCATC	6060
TJU_CMC.ID06063.5p-miR	11	-	115653710	115653729	AAAGGAATTGACGGAACCTC	6061
TJU_CMC.ID06064.3p-miR	11	-	116069937	116069956	CTCCCGGCATCTCCATTGGG	6062
TJU_CMC.ID06065.3p-miR	11	-	116250530	116250551	GAATAATAGCATAATAATAAAT	6063
TJU_CMC.ID06066.5p-miR	11	+	116512569	116512588	GGCAGGGCGGACTGTCCATC	6064
TJU_CMC.ID06067.5p-miR	11	-	116574545	116574567	TTCACAGTGGAGCCTGGATGTGC	6065
TJU_CMC.ID06068.3p-miR	11	+	116719171	116719191	AGCTACTAGACTAGCACCACC	6066
TJU_CMC.ID06069.3p-miR	11	+	117239361	117239380	ACCCTTTGCCCACCCCAGGC	6067
TJU_CMC.ID06070.5p-miR	11	-	117541352	117541374	AGTTATGCTGCTTAGTGAACAAT	6068
TJU_CMC.ID06071.3p-miR	11	+	117630552	117630571	TTACAACAGGATCCCGAGGC	6069
TJU_CMC.ID06072.3p-miR	11	+	118125306	118125325	TACTGTGTGATTTAGCGTTG	6070
TJU_CMC.ID06073.3p-miR	11	+	118183588	118183608	CAGGTCTCCAGAACAGGTACC	6071
TJU_CMC.ID06074.5p-miR	11	+	118332726	118332746	GCGTGAGCTTTTGGCTCAATG	6072
TJU_CMC.ID06075.5p-miR	11	+	118338218	118338237	AAGACTTTTCTCTCAGTTGC	6073
TJU_CMC.ID06076.5p-miR	11	+	118378264	118378286	AGCAGCAGGATACAGCTAGCGTG	6074
TJU_CMC.ID06077.3p-miR	11	+	118436571	118436592	TCCAGTCTCAAAGCCAGGCCAC	6075

Table 1. Novel miRNA sequences

TJU_CMC.ID06078.5p-miR	11	-	118787673	118787695	TTGCTCAGTTCAGCTCAGCACTC	6076
TJU_CMC.ID06079.5p-miR	11	-	119223130	119223150	GCCTCTACAAAGCTTTAGAGT	6077
TJU_CMC.ID06080.3p-miR	11	+	119757392	119757412	AAACGTAAGCATCTGCAGATC	6078
TJU_CMC.ID06081.3p-miR	11	+	119817215	119817236	ACCTGCTGAGTACCAGGTGTTA	6079
TJU_CMC.ID06082.3p-miR	11	-	120373450	120373471	GCAAAGCACATCATGGTTTACA	6080
TJU_CMC.ID06083.5p-miR	11	-	120556318	120556340	AAGAATGCCTAGGTCCAGGTGTG	6081
TJU_CMC.ID06084.5p-miR	11	-	120776136	120776155	CGGGAACGCCGTACACGCCA	6082
TJU_CMC.ID06085.3p-miR	11	+	120810787	120810808	CAGTCTGGTAGTGATACCCCCT	6083
TJU_CMC.ID06086.3p-miR	11	-	120984628	120984649	CTCCAGAAAAGGACTTCCAAAG	6084
TJU_CMC.ID06087.3p-miR	11	-	121096547	121096568	GGAGCCCACCCTTGTACCAGTG	6085
TJU_CMC.ID06088.3p-miR	11	+	121326506	121326525	AGCCTGGTCCACATGGGGAA	6086
TJU_CMC.ID06089.3p-miR	11	-	121563202	121563223	TGAAGTATCAAAGCACACAGTTGA	6087
TJU_CMC.ID06090.5p-miR	11	-	121647120	121647143	TTCACATTGCCAGAGATTACACAG	6088
TJU_CMC.ID06091.5p-miR	11	+	121737946	121737965	GGAATAATAGAATAGGAATG	6089
TJU_CMC.ID06092.3p-miR	11	+	121821088	121821110	GCTGTGTGTGGGGTATTGTGTTG	6090
TJU_CMC.ID06093.3p-miR	11	+	121882485	121882507	ATGCAGCCACTCAACTACAAAAT	6091
TJU_CMC.ID06094.5p-miR	11	-	122191162	122191182	CATACCGTGCTGCCTAATGGG	6092
TJU_CMC.ID06095.3p-miR	11	-	122365944	122365963	CTGACAGCACTTAATCACTA	6093
TJU_CMC.ID06096.3p-miR	11	-	122928627	122928648	ATTCCTTTTTCTCTTCCTCAGA	6094
TJU_CMC.ID06097.5p-miR	11	+	123164872	123164892	GATATCAAGAGACTAAATTTG	6095
TJU_CMC.ID06098.5p-miR	11	-	123812679	123812700	ACCCTCATCTAGGCTGTGGTGC	6096
TJU_CMC.ID06099.5p-miR	11	-	124938458	124938480	TGACATGGCACATAGGAAATGCC	6097
TJU_CMC.ID06100.5p-miR	11	+	124995114	124995134	CATTGTTCTAGGTCCTGTTTG	6098
TJU_CMC.ID06101.3p-miR	11	+	125195441	125195460	TCTGCTAGATGAGATCTAAA	6099
TJU_CMC.ID06102.3p-miR	11	-	125337280	125337301	GCACAGCCATTGACTTAATCCA	6100
TJU_CMC.ID06103.3p-miR	11	-	125697178	125697197	AGCATTGTTCTGGGAATGCT	6101
TJU_CMC.ID06104.3p-miR	11	+	126135692	126135713	CGGCAATGTCTGCAGCCACGTT	6102
TJU_CMC.ID06105.3p-miR	11	+	126156927	126156948	CCTGGGTAATCCAGGAATCCCT	6103
TJU_CMC.ID06106.3p-miR	11	+	126177814	126177834	TCAGTAGACTGGGGTCTTGCT	6104
TJU_CMC.ID06107.5p-miR	11	-	126554139	126554161	GTCCAGCAAGCCCAGGGGCTTTC	6105
TJU_CMC.ID06108.3p-miR	11	-	126937781	126937802	CCTATGTGCTCAGGTAGCCAAT	6106

Table 1. Novel miRNA sequences

TJU_CMC.ID06109.3p-miR	11	+	127085087	127085106	ACTACCTATTTTTAGGGTTT	6107
TJU_CMC.ID06110.5p-miR	11	+	127341309	127341330	TGAGTCATACTCAGGCGTCCTA	6108
TJU_CMC.ID06111.5p-miR	11	+	127698546	127698565	GCATTTGTGGTTCAGTTTCA	6109
TJU_CMC.ID06112.3p-miR	11	+	127895353	127895375	TAGATGGCTCAGACTATGACAAG	6110
TJU_CMC.ID06113.5p-miR	11	+	127991009	127991030	ATGCATATAATGCACTACTAAT	6111
TJU_CMC.ID06114.5p-miR	11	-	127992492	127992511	GAGTATTGCCATATCAATAG	6112
TJU_CMC.ID06115.3p-miR	11	-	128113098	128113117	AGGAGTCTATGTGCACATCT	6113
TJU_CMC.ID06116.3p-miR	11	-	128251670	128251691	TGCATCATTCTTGAGATAGCTC	6114
TJU_CMC.ID06117.5p-miR	11	-	128354322	128354344	AACCCTTAAGCTTAGCATGTGTC	6115
TJU_CMC.ID06118.3p-miR	11	+	128839659	128839678	GTCCAGTTTTCCCAGGATCT	6116
TJU_CMC.ID06119.5p-miR	11	-	129259163	129259184	ACCAATAATGGTAATCTTTCCC	6117
TJU_CMC.ID06120.5p-miR	11	+	129506761	129506782	GGGGCCTTAGCTCAGCTGAGAT	6118
TJU_CMC.ID06121.5p-miR	11	+	129994339	129994362	GGGTTTATGCTGGACGTTGGTAGA	6119
TJU_CMC.ID06122.5p-miR	11	+	130147257	130147277	AAAAACATGACTACTATATAT	6120
TJU_CMC.ID06123.5p-miR	11	+	130297698	130297720	GGAGGGGGGCGGGCTCCGGCGGGA	6121
TJU_CMC.ID06124.5p-miR	11	+	130315845	130315867	TGAGCAAATCCACATGGCCAGTT	6122
TJU_CMC.ID06125.3p-miR	11	+	130463822	130463841	TAGCTTATCAAGGTGCCCCA	6123
TJU_CMC.ID06126.3p-miR	11	+	130521859	130521878	TCCCCATGAACGAGGATGAG	6124
TJU_CMC.ID06127.5p-miR	11	+	130883530	130883552	TAGCAGCACAGAAATGCCAGTGG	6125
TJU_CMC.ID06128.5p-miR	11	+	131677895	131677917	CTTCCTTGAATTTGATTTACAAG	6126
TJU_CMC.ID06129.3p-miR	11	+	132573803	132573825	TGTTCTGATTCTATGAAGGTGAC	6127
TJU_CMC.ID06130.5p-miR	11	+	132807117	132807140	CTCAGAGCCAGCCACCTAGTGAGC	6128
TJU_CMC.ID06131.5p-miR	11	+	133168602	133168623	ACCAGCAACAACGTACTAGACA	6129
TJU_CMC.ID06132.3p-miR	11	-	133201412	133201431	AAAAAGAGTGTTTTTTGTTT	6130
TJU_CMC.ID06133.3p-miR	11	+	133225517	133225538	TCTCCCAACCCTCAGCCCAGTG	6131
TJU_CMC.ID06134.3p-miR	11	-	133290973	133290994	TGCTGACCGCAGATTATGTTTG	6132
TJU_CMC.ID06135.5p-miR	11	-	133295077	133295098	TGACTGGGACTGGGCCAAAGTT	6133
TJU_CMC.ID06136.5p-miR	11	+	133586311	133586332	TGACTTATCAGAACAGGACCAG	6134
TJU_CMC.ID06137.5p-miR	11	-	133596275	133596294	TTTCCTAATGTTCGATAAAA	6135
TJU_CMC.ID06138.3p-miR	11	-	134358857	134358876	TCTCTCATTGAGTCAGCTCC	6136
TJU_CMC.ID06139.5p-miR	11	+	134399749	134399771	AGCAGCACCACGTGAATGAGGAG	6137

Table 1. Novel miRNA sequences

TJU_CMC.ID06140.3p-miR	11	+	134462086	134462107	TAGCACCATTTGAATCATGTTA	6138
TJU_CMC.ID06141.3p-miR	11	+	134530067	134530089	AGCGCTGCCCTCTACTCTCTCTG	6139
TJU_CMC.ID06142.5p-miR	11	-	134586305	134586324	GCATTGGTGGTGACTGCACC	6140
TJU_CMC.ID06143.5p-miR	11	+	134587765	134587784	CAGGTTCAGGAGCAGGTGAG	6141
TJU_CMC.ID06144.5p-miR	12	-	535888	535909	CATCATGGCACTGGGGCACGTG	6142
TJU_CMC.ID06145.3p-miR	12	-	679177	679199	GTCCAGGTTTCCCATTAATCCCG	6143
TJU_CMC.ID06146.3p-miR	12	+	868842	868863	GCATGACCTCAGTTTATGTTTG	6144
TJU_CMC.ID06147.3p-miR	12	+	964111	964131	TTCAGTACTGTGATACAGTTT	6145
TJU_CMC.ID06148.3p-miR	12	+	1107417	1107437	AGCAGCTGTGCTAGTTTCTAT	6146
TJU_CMC.ID06149.5p-miR	12	-	1185106	1185127	ACAGTTGACCCTTGTACCACAC	6147
TJU_CMC.ID06150.3p-miR	12	+	1246663	1246683	TAGCTACTTTACAGTGCTAAA	6148
TJU_CMC.ID06151.5p-miR	12	-	1648517	1648538	AGCTAGTGAGAAAGCTGCTGCC	6149
TJU_CMC.ID06152.5p-miR	12	+	1868800	1868821	CAAATGCCAGGATTTTATTCCA	6150
TJU_CMC.ID06153.5p-miR	12	+	2010841	2010860	GTAATGCTATTGAAGTCATT	6151
TJU_CMC.ID06154.3p-miR	12	+	2127017	2127036	GAGCCCAGCGGGGAGGCTCCC	6152
TJU_CMC.ID06155.3p-miR	12	-	2177034	2177053	AGCTGGGCTTGGTTTGGATG	6153
TJU_CMC.ID06156.5p-miR	12	+	2444001	2444022	TTTCCCTCCTAAATTAGATAGA	6154
TJU_CMC.ID06157.3p-miR	12	+	3102357	3102378	TGCGCAGCAGGTCTCCAGAACT	6155
TJU_CMC.ID06158.3p-miR	12	-	3179606	3179627	ACCACAGGGTTCTTGTGTAAGT	6156
TJU_CMC.ID06159.5p-miR	12	-	3305822	3305843	TCCCTGAGCAAAGCTGTAGTGA	6157
TJU_CMC.ID06160.3p-miR	12	-	3309561	3309580	CCCCGGCGCGCGGCGGACAG	6158
TJU_CMC.ID06161.5p-miR	12	-	3312342	3312363	CACCGCAGGCAGTTATACCAAC	6159
TJU_CMC.ID06162.3p-miR	12	+	3374294	3374315	ACCTGCTGAGTAACTAACTGGC	6160
TJU_CMC.ID06163.3p-miR	12	-	3528279	3528298	ACCATTCCAGGGTTTTATGG	6161
TJU_CMC.ID06164.3p-miR	12	-	3600103	3600125	AGGTTCTCAGACCCGGTGCGCGT	6162
TJU_CMC.ID06165.3p-miR	12	-	3792967	3792987	AGTCAAGCGCTTATCTATGCC	6163
TJU_CMC.ID06166.5p-miR	12	-	4335061	4335081	TAGCAGCACGTAATGGAGACC	6164
TJU_CMC.ID06167.3p-miR	12	+	4359742	4359763	TAGAGGCCCCCTTGATGGTCAC	6165
TJU_CMC.ID06168.5p-miR	12	+	4742743	4742764	AACCTTCCTCTTCTTACACAAC	6166
TJU_CMC.ID06169.5p-miR	12	+	5004333	5004353	CTTTAATACGGGGTTGCATAT	6167
TJU_CMC.ID06170.3p-miR	12	+	5306252	5306273	CTGGATCTGACTTGGAGGATTG	6168

Table 1. Novel miRNA sequences

TJU_CMC.ID06171.5p-miR	12	-	5366266	5366285	AACACCTCTTTACAGGAGGT	6169
TJU_CMC.ID06172.3p-miR	12	+	5839707	5839726	CCACCAGCTAGAATTTGATT	6170
TJU_CMC.ID06173.5p-miR	12	+	6095839	6095859	CACTCAATAAATGATAGCAGC	6171
TJU_CMC.ID06174.5p-miR	12	-	6638952	6638973	CAGTAGGCCAGGTCTCGCTGCT	6172
TJU_CMC.ID06175.3p-miR	12	+	6875677	6875696	CCCCCGCCCCACCCCGCGCG	6173
TJU_CMC.ID06176.3p-miR	12	-	7066480	7066501	TCGAGGAGCTCACAGAGACAGG	6174
TJU_CMC.ID06177.3p-miR	12	-	7559764	7559784	CAGCAAAGGCTCATGTTTTGA	6175
TJU_CMC.ID06178.3p-miR	12	+	7877692	7877714	TAGCAGGTATTGAAATCAACAAA	6176
TJU_CMC.ID06179.3p-miR	12	-	8136583	8136605	TGGGAGACAAGAGCTCCTTGTCA	6177
TJU_CMC.ID06180.3p-miR	12	+	8541601	8541620	GGCGTTACACTGCCATTGTA	6178
TJU_CMC.ID06181.5p-miR	12	+	8844840	8844861	GAATGTTGCTTGAGGCTACAAT	6179
TJU_CMC.ID06182.3p-miR	12	+	9739593	9739613	CTGAGGATACTTAACTGTATT	6180
TJU_CMC.ID06183.3p-miR	12	-	9847450	9847471	TCTAGACATGTATATCTGATTT	6181
TJU_CMC.ID06184.5p-miR	12	-	9881058	9881079	AGCTACATCACTAATAAAATTC	6182
TJU_CMC.ID06185.5p-miR	12	+	9899510	9899532	TAGCTCAGAAGTCCAGGCACAGT	6183
TJU_CMC.ID06186.3p-miR	12	+	10041920	10041940	GGCAGTTTGTCAAATACCAGT	6184
TJU_CMC.ID06187.3p-miR	12	-	10123530	10123552	GTTTCTCTAAATAACAATATATA	6185
TJU_CMC.ID06188.5p-miR	12	-	11909178	11909200	CAGAGCAGGATGGCACGGTCTGG	6186
TJU_CMC.ID06189.3p-miR	12	-	12556323	12556344	AGAGCAGCTGGGATTGCCACAG	6187
TJU_CMC.ID06190.3p-miR	12	+	12672539	12672561	TGTGCAAATCTATGTGGCACTAC	6188
TJU_CMC.ID06191.3p-miR	12	+	12746244	12746265	TGGAAGTTACCTAATATGGAGG	6189
TJU_CMC.ID06192.5p-miR	12	+	13233039	13233060	TTCTTGAGTAGATGTGTATCAA	6190
TJU_CMC.ID06193.3p-miR	12	+	13237665	13237687	AGCAGTGGCACCCAGGAATCCCT	6191
TJU_CMC.ID06194.3p-miR	12	-	13499133	13499154	GCTATTAGGAAGTTGATACTAG	6192
TJU_CMC.ID06195.5p-miR	12	-	13607523	13607542	CTTTAAACACCAGTATAGCA	6193
TJU_CMC.ID06196.3p-miR	12	+	13660435	13660454	AAGGGCCTGCGATTTTTGTC	6194
TJU_CMC.ID06197.3p-miR	12	+	14264440	14264462	TTTAGACACCTGATGTCACACTT	6195
TJU_CMC.ID06198.3p-miR	12	+	14770499	14770519	TTCTCAAATTTCCTTCTTCTG	6196
TJU_CMC.ID06199.5p-miR	12	-	14872674	14872693	TCTGCATCAGAGGCTATGAA	6197
TJU_CMC.ID06200.5p-miR	12	+	15034876	15034897	TCCTTTGACCCTCACTGCAGTG	6198
TJU_CMC.ID06201.5p-miR	12	+	15112632	15112651	TAATGTTGCTCAGAGCTAAC	6199

Table 1. Novel miRNA sequences

TJU_CMC.ID06202.5p-miR	12	-	15241090	15241111	GTAGTTGAATCTGGATACAAAC	6200
TJU_CMC.ID06203.5p-miR	12	+	15517443	15517466	GAGTTTTCTATTCCTATATCATGA	6201
TJU_CMC.ID06204.3p-miR	12	-	15751649	15751671	CAAGGTCACGCCATTGCATCAAT	6202
TJU_CMC.ID06205.3p-miR	12	-	15958456	15958476	TGGAATGTACCTCCTGCTGCA	6203
TJU_CMC.ID06206.5p-miR	12	-	17313494	17313513	AACATGGAGGAAATTTTGTA	6204
TJU_CMC.ID06207.5p-miR	12	+	17933063	17933083	ACTCATCAGAATGTTAACCTT	6205
TJU_CMC.ID06208.3p-miR	12	-	19092866	19092886	TGAACTTTTTCCCAGGAATCA	6206
TJU_CMC.ID06209.3p-miR	12	+	19965119	19965138	TTTAGGTGGTGCAGATGTAC	6207
TJU_CMC.ID06210.5p-miR	12	-	20143281	20143300	TTGCAAAGCTGAAACTCATC	6208
TJU_CMC.ID06211.5p-miR	12	-	20397611	20397632	TTTAGACTGGGCTACTTCACAG	6209
TJU_CMC.ID06212.5p-miR	12	+	20652976	20652997	TTCACTGCCGAAGAAGCAAGAG	6210
TJU_CMC.ID06213.5p-miR	12	+	20860568	20860587	TGCTTATCAAGGTTACCAAC	6211
TJU_CMC.ID06214.3p-miR	12	-	21741522	21741543	TGACAGTTTAAACTTCTTTTTG	6212
TJU_CMC.ID06215.3p-miR	12	+	21985766	21985787	TAGCAGCACAAGTTGCAACTGC	6213
TJU_CMC.ID06216.3p-miR	12	-	22509704	22509724	TCTGTGGGGCATTTTGGGCTT	6214
TJU_CMC.ID06217.3p-miR	12	-	23157687	23157708	AGCAATCCTTCCCCCTCCACCT	6215
TJU_CMC.ID06218.3p-miR	12	+	24157593	24157614	ATATTGCTGCTGGGTATGTCAA	6216
TJU_CMC.ID06219.5p-miR	12	+	24198644	24198664	CATTATGCAGAAACCAGTATG	6217
TJU_CMC.ID06220.3p-miR	12	+	24212340	24212361	GCCATTGAAACAATTTGGAAAA	6218
TJU_CMC.ID06221.3p-miR	12	+	24307517	24307538	CAGTGCAATGTTTGGGAGGCAT	6219
TJU_CMC.ID06222.3p-miR	12	+	24332826	24332849	CTCTTCTGAGGGAGAGAAAGGCAT	6220
TJU_CMC.ID06223.5p-miR	12	+	24592190	24592209	TAATAGACCACAGTATAGCA	6221
TJU_CMC.ID06224.5p-miR	12	-	24887099	24887118	TAGAATGGGTGTGATAGGTG	6222
TJU_CMC.ID06225.5p-miR	12	+	24903200	24903219	CTGCTCTCAAACTAAATAAA	6223
TJU_CMC.ID06226.3p-miR	12	+	25067638	25067659	ATACATCAGCTGACATGAACAC	6224
TJU_CMC.ID06227.5p-miR	12	-	26030278	26030297	CATTGCACTCACTCTGTCAG	6225
TJU_CMC.ID06228.3p-miR	12	+	26083994	26084016	TGTATCAGCTCATCAGGAACTCA	6226
TJU_CMC.ID06229.5p-miR	12	-	26275756	26275775	CAGCCCAGCGCCGAGCTCGC	6227
TJU_CMC.ID06230.3p-miR	12	-	26397799	26397818	GAGATGGGTGCTCTTATTAC	6228
TJU_CMC.ID06231.3p-miR	12	+	27828175	27828197	ATGTGGATAGAATTGACAAAGCA	6229
TJU_CMC.ID06232.3p-miR	12	+	28466852	28466871	CACCTGTGACAAGCACTCAG	6230

Table 1. Novel miRNA sequences

TJU_CMC.ID06233.3p-miR	12	+	29013540	29013561	TAGAAACCAGGAACATACAGTG	6231
TJU_CMC.ID06234.3p-miR	12	+	29489569	29489591	ATACTACTGTGGCAAAGGATGCT	6232
TJU_CMC.ID06235.3p-miR	12	+	29719560	29719581	TGCGGTCTAGCTGAGAGGTGGA	6233
TJU_CMC.ID06236.5p-miR	12	+	30008396	30008417	AGGAATGGTGGTAGCAGTAGTT	6234
TJU_CMC.ID06237.5p-miR	12	-	30113493	30113512	CCTCAATGATATAACGGGTC	6235
TJU_CMC.ID06238.3p-miR	12	+	30929602	30929622	AATGTGCCATTAGGGTAAAGG	6236
TJU_CMC.ID06239.3p-miR	12	+	30965627	30965646	CGAACCTCTGACCACAAGCA	6237
TJU_CMC.ID06240.3p-miR	12	-	30965630	30965653	GGAGGATTGCTTGTGGTCAGAGGT	6238
TJU_CMC.ID06241.5p-miR	12	+	31005247	31005266	TGGGGTTTTAAGCTCCTCTG	6239
TJU_CMC.ID06242.3p-miR	12	-	31049736	31049757	CTGTTCATTGTGTCAATTATGC	6240
TJU_CMC.ID06243.5p-miR	12	+	31085776	31085797	TTGTTCAAATCCTCCTATCTGG	6241
TJU_CMC.ID06244.3p-miR	12	+	31391592	31391612	GCAGTGAGCCGAGCACGCACC	6242
TJU_CMC.ID06245.3p-miR	12	-	32898018	32898037	TATCGTATCAGACTGATGTG	6243
TJU_CMC.ID06246.3p-miR	12	-	32922729	32922750	ATGTGTACATTGAAATATTGGC	6244
TJU_CMC.ID06247.5p-miR	12	-	33947607	33947627	TCATGGCACTCATTGCCATAT	6245
TJU_CMC.ID06248.5p-miR	12	+	34306784	34306805	TAGTCTAGGTCTGTGATAGGCT	6246
TJU_CMC.ID06249.5p-miR	12	-	34506568	34506587	GGCAGGGAGGCTTCAAAGGG	6247
TJU_CMC.ID06250.5p-miR	12	+	34781075	34781097	TGTCAGTTTGTACCATTGTTACC	6248
TJU_CMC.ID06251.3p-miR	12	+	39017262	39017282	TGAGATGAAGGTGACCACAGA	6249
TJU_CMC.ID06252.5p-miR	12	-	39042048	39042068	GGTTATGAAATTGCTAGACGC	6250
TJU_CMC.ID06253.3p-miR	12	+	39618607	39618627	CAGAGCAGGATGCTGTAGCCC	6251
TJU_CMC.ID06254.3p-miR	12	-	39724395	39724416	TCTTTCTTTAATTTGCATGTGT	6252
TJU_CMC.ID06255.3p-miR	12	-	39980813	39980834	TGTCAGTTTGCCAAATCCCCTC	6253
TJU_CMC.ID06256.3p-miR	12	-	40543739	40543759	TAGCACCATCTCTAATGCATC	6254
TJU_CMC.ID06257.3p-miR	12	-	40998945	40998966	GAAGTGTTTCAGCAATATTTTG	6255
TJU_CMC.ID06258.5p-miR	12	+	41283582	41283601	GCATTATGCTGAGGATGAAG	6256
TJU_CMC.ID06259.5p-miR	12	+	41318585	41318606	TACCTTGTAATGTGTCACTAAT	6257
TJU_CMC.ID06260.3p-miR	12	-	41463721	41463743	AGTGTGCATATTATTTCATTGAT	6258
TJU_CMC.ID06261.5p-miR	12	+	42206985	42207004	ACATTCAAATTTCTCATGGT	6259
TJU_CMC.ID06262.5p-miR	12	-	42229733	42229755	TGTGCAGATCTATGCAACACTGA	6260
TJU_CMC.ID06263.3p-miR	12	+	42780076	42780097	ATCTGCACATACTACCAAATGT	6261

Table 1. Novel miRNA sequences

TJU_CMC.ID06264.5p-miR	12	-	43015640	43015661	TCCCTGAGAGTTTGACTTGTGA	6262
TJU_CMC.ID06265.3p-miR	12	-	43018711	43018730	GTCTTTTGTGCCTACTCCAG	6263
TJU_CMC.ID06266.5p-miR	12	+	43031574	43031593	CTAATAGCATAATAATTGTA	6264
TJU_CMC.ID06267.3p-miR	12	-	43381472	43381491	GGCCCTAATCGAGTCAACCT	6265
TJU_CMC.ID06268.5p-miR	12	+	43671670	43671691	TTAGTCAGGCTTAAATACAAAC	6266
TJU_CMC.ID06269.3p-miR	12	+	43794099	43794119	CATTATGCATTTTATGCATAT	6267
TJU_CMC.ID06270.3p-miR	12	+	43885429	43885451	AATAATAATTTTATAACAGCAGA	6268
TJU_CMC.ID06271.3p-miR	12	+	44218684	44218704	GTGCCACTACACTCCAGCACC	6269
TJU_CMC.ID06272.3p-miR	12	-	44454192	44454213	TCTCCCAGTTTCCCGCAACTGT	6270
TJU_CMC.ID06273.5p-miR	12	+	44863027	44863048	ATTCTGCCATTGACCTAAAGGT	6271
TJU_CMC.ID06274.5p-miR	12	+	44896088	44896107	TGAGCAGGTTGCTGCTACTC	6272
TJU_CMC.ID06275.3p-miR	12	-	45133176	45133195	ACTACAAGCTATTTTGACTA	6273
TJU_CMC.ID06276.3p-miR	12	+	45678923	45678945	ATCACATGATTGAAGTCCAGGTT	6274
TJU_CMC.ID06277.3p-miR	12	+	46121134	46121153	AAAACGCGTAGAGGTGGTAG	6275
TJU_CMC.ID06278.5p-miR	12	-	46485100	46485121	TTCACTGCCACTGAATACTTTG	6276
TJU_CMC.ID06279.3p-miR	12	-	47866888	47866909	GAGGCTGTTCCTGTCATTTAGT	6277
TJU_CMC.ID06280.5p-miR	12	-	47996566	47996588	TGAAGACCCTCCCTCCTTAGGGA	6278
TJU_CMC.ID06281.3p-miR	12	+	48244912	48244931	GCAATGAAGGTGAAGGCATT	6279
TJU_CMC.ID06282.3p-miR	12	+	48329147	48329167	CTAGCAATCAGACGGCGGAGG	6280
TJU_CMC.ID06283.3p-miR	12	-	48333269	48333290	TCTTAGGCAAGAGCAGGGCACG	6281
TJU_CMC.ID06284.5p-miR	12	+	48416488	48416508	CTATTCTCATAGTCCTAGCTT	6282
TJU_CMC.ID06285.5p-miR	12	-	48472454	48472475	GTCAGTTAGCTGGGCGTGGTGG	6283
TJU_CMC.ID06286.3p-miR	12	+	48599196	48599218	TCATCTGACCTGGCAGGCCACTC	6284
TJU_CMC.ID06287.3p-miR	12	-	49219963	49219984	CTTGCCAATCCTGGGGGCAGGT	6285
TJU_CMC.ID06288.3p-miR	12	-	49319629	49319652	GTTTGAATCCTGTCTCTGTCACCA	6286
TJU_CMC.ID06289.5p-miR	12	+	49395076	49395096	AGCCATGATGCAACACTGAAA	6287
TJU_CMC.ID06290.5p-miR	12	+	49517874	49517896	CATTACCAGGCACTGTACTTGCT	6288
TJU_CMC.ID06291.3p-miR	12	+	49730201	49730220	CGCTGGCCCGCGGGAGCTGT	6289
TJU_CMC.ID06292.5p-miR	12	-	49982464	49982484	AAACAGACAAAGCCTCCTCAC	6290
TJU_CMC.ID06293.5p-miR	12	+	50505663	50505684	CCTCGAGGGAGAGAAACCACAG	6291
TJU_CMC.ID06294.3p-miR	12	+	50614180	50614201	AGCAGCCTTAGGGAGATAGGCT	6292

Table 1. Novel miRNA sequences

TJU_CMC.ID06295.3p-miR	12	+	50850548	50850568	AGATTATGAGATCTGAGGGCT	6293
TJU_CMC.ID06296.3p-miR	12	-	50959806	50959825	AAGTACTGTCGATTCAGAAT	6294
TJU_CMC.ID06297.3p-miR	12	+	51236380	51236401	GGGACTGGGCTAAAATCCAAAC	6295
TJU_CMC.ID06298.5p-miR	12	-	51439458	51439479	ATGTTCAGCTCTAAAATTCTGG	6296
TJU_CMC.ID06299.3p-miR	12	+	51814616	51814636	CATCTGAGCTCACAGTCTAGT	6297
TJU_CMC.ID06300.5p-miR	12	-	51984597	51984616	CCACTACGCCCCCCGCCGAGC	6298
TJU_CMC.ID06301.5p-miR	12	-	52091349	52091369	TGGCACTGCTCAGGGCTAACC	6299
TJU_CMC.ID06302.3p-miR	12	+	52358303	52358323	TATCTGACAGACCATTGCCAA	6300
TJU_CMC.ID06303.5p-miR	12	+	52379066	52379087	CTGTCCGTCATGATGCAGTCAC	6301
TJU_CMC.ID06304.3p-miR	12	-	52413394	52413416	GCTAGGCGCACTGGCTGCTTCTG	6302
TJU_CMC.ID06305.5p-miR	12	+	52705928	52705950	GGGCTCAGGGACTCAGGACCAGA	6303
TJU_CMC.ID06306.5p-miR	12	-	53300955	53300975	CATTGTTTAAAGGAGCTGGGA	6304
TJU_CMC.ID06307.3p-miR	12	+	53306061	53306083	CAGCGTTGCTTGAAATCAGTCTT	6305
TJU_CMC.ID06308.3p-miR	12	-	53908044	53908064	ACTCAGGCTTCCCACCCCACT	6306
TJU_CMC.ID06309.3p-miR	12	+	54191104	54191123	CTCATTCCAACCAGTCCAGT	6307
TJU_CMC.ID06310.3p-miR	12	-	54369599	54369618	CATGCTGTCTTAGCGGATCT	6308
TJU_CMC.ID06311.5p-miR	12	-	55080463	55080484	CAAAGTGCTCACAGTGGTCTGC	6309
TJU_CMC.ID06312.3p-miR	12	-	55923225	55923247	TGAACTGGGGACCAGGAATTTCT	6310
TJU_CMC.ID06313.3p-miR	12	+	56044948	56044968	CAGACTGGCGGCATTTTGCTG	6311
TJU_CMC.ID06314.3p-miR	12	+	56368876	56368895	TAATAATGTGGTCTATAGCA	6312
TJU_CMC.ID06315.5p-miR	12	+	56420178	56420199	AGAGTGCCATTCTGGGCCAGGC	6313
TJU_CMC.ID06316.5p-miR	12	+	56480403	56480422	AGATGCTGAGATAGTGGTGA	6314
TJU_CMC.ID06317.3p-miR	12	+	56577578	56577597	GCTAGATGTCCTAGGGCTTC	6315
TJU_CMC.ID06318.3p-miR	12	-	56677624	56677643	AGATGTATGGTGGCATGAGA	6316
TJU_CMC.ID06319.5p-miR	12	+	56750340	56750359	TTTCCCACTGCGCCATTTGG	6317
TJU_CMC.ID06320.3p-miR	12	+	57069409	57069430	AAACTACAAACAGGGCCGAGTG	6318
TJU_CMC.ID06321.3p-miR	12	+	57112867	57112886	CCAGCAGAACCCTTCTTGGT	6319
TJU_CMC.ID06322.5p-miR	12	-	57708390	57708409	TTCCAGTTTTCCCAGAGGTT	6320
TJU_CMC.ID06323.5p-miR	12	-	57853827	57853848	CCAGCCCTCCCGCCGGCCCAGC	6321
TJU_CMC.ID06324.5p-miR	12	-	57874294	57874313	CCTTGCACGCAGGAGGCACT	6322
TJU_CMC.ID06325.3p-miR	12	+	57987797	57987819	TGGCTTATCAGATCAATGAGCTC	6323

Table 1. Novel miRNA sequences

TJU_CMC.ID06326.5p-miR	12	-	58246376	58246397	TGACTGTGGGGGTGGGAAGGTC	6324
TJU_CMC.ID06327.3p-miR	12	+	58911270	58911291	TGACAGTAATCTGAGTATCCAA	6325
TJU_CMC.ID06328.3p-miR	12	-	58984768	58984789	GCTAGATAGTAGTACCTGGCAT	6326
TJU_CMC.ID06329.5p-miR	12	+	59201566	59201587	GTCCTGTAGTACAGTGCAGATA	6327
TJU_CMC.ID06330.3p-miR	12	-	59967493	59967512	CTGACCTATGAATTCTATCC	6328
TJU_CMC.ID06331.5p-miR	12	-	60215358	60215377	TTCCATATGCTAGGTGGTAT	6329
TJU_CMC.ID06332.3p-miR	12	-	60866159	60866180	GTATCAGGATTTTATTCCTAAC	6330
TJU_CMC.ID06333.5p-miR	12	+	60867727	60867746	ATGATATTCTTAAGTATAAT	6331
TJU_CMC.ID06334.5p-miR	12	-	61972932	61972951	AGTAAGGTCAGCTAGGTTTA	6332
TJU_CMC.ID06335.5p-miR	12	+	62033537	62033556	CCATTTGAGTATAAATCCAG	6333
TJU_CMC.ID06336.5p-miR	12	+	62585804	62585825	GCTCTGAGCTCAGCCGATGTCC	6334
TJU_CMC.ID06337.5p-miR	12	+	63135869	63135889	GGCAGCAATGGTAGCAGCTCA	6335
TJU_CMC.ID06338.3p-miR	12	-	63796975	63796997	TGTGGAAATCTATGCAAAACAGG	6336
TJU_CMC.ID06339.3p-miR	12	-	64160614	64160635	TAGCTTCTTGAGTCAGCAAAAG	6337
TJU_CMC.ID06340.5p-miR	12	+	64217443	64217464	AAAGCAAATGTTGGGTGAACGG	6338
TJU_CMC.ID06341.5p-miR	12	-	65821101	65821122	AGCTGCTGAGTATCACTGCAAT	6339
TJU_CMC.ID06342.5p-miR	12	-	65943092	65943113	CGATGATGAGCTATGGTTTACA	6340
TJU_CMC.ID06343.3p-miR	12	-	66370896	66370918	AAGAATCACTTTATGGAGATGGA	6341
TJU_CMC.ID06344.3p-miR	12	+	66942366	66942385	ATCAGAGGCTATGTGGATGA	6342
TJU_CMC.ID06345.5p-miR	12	+	67083005	67083026	TGACAGTAATCCAAAAATTTAG	6343
TJU_CMC.ID06346.5p-miR	12	+	67240840	67240859	ATCAGCTGCTCCATAAGGGG	6344
TJU_CMC.ID06347.3p-miR	12	+	67327057	67327078	GGTTCAGGATCATCAACACATT	6345
TJU_CMC.ID06348.3p-miR	12	+	67401419	67401440	TCTGTTGTTCCTCTTGTTACTA	6346
TJU_CMC.ID06349.5p-miR	12	+	67813354	67813376	GTCCTCATTTCCCAGGAATTTCT	6347
TJU_CMC.ID06350.3p-miR	12	+	68183217	68183236	ACTCTAGTTTGACATTGAGA	6348
TJU_CMC.ID06351.3p-miR	12	-	68534183	68534203	TGAGAGTTGTCTTTATTTTTG	6349
TJU_CMC.ID06352.3p-miR	12	-	69129835	69129858	AGGCTGCAATGTCTTTCCCTTATA	6350
TJU_CMC.ID06353.3p-miR	12	+	69139974	69139993	GGCGGCGGCGGGGTGTGTGT	6351
TJU_CMC.ID06354.5p-miR	12	-	69383408	69383427	GTATGCCGTCTTCTTCTGGG	6352
TJU_CMC.ID06355.3p-miR	12	-	70783941	70783960	CAGACCCCAAGGAATACTCT	6353
TJU_CMC.ID06356.3p-miR	12	-	70996747	70996766	CCCTGGGAATAAAAGATAAT	6354

Table 1. Novel miRNA sequences

TJU_CMC.ID06357.3p-miR	12	+	71434171	71434190	ATTAGCAAATTATAGGATCT	6355
TJU_CMC.ID06358.3p-miR	12	+	71751344	71751365	ATGCATCAGAGGAGTAACAGAA	6356
TJU_CMC.ID06359.5p-miR	12	-	71751771	71751791	TTGGGCCGCTAGGCTGAGGTG	6357
TJU_CMC.ID06360.5p-miR	12	+	71892272	71892293	GGTTCCATAGTGTAGTGGTTAG	6358
TJU_CMC.ID06361.5p-miR	12	+	72308526	72308547	TCTAACCATCTGAAATATTTTC	6359
TJU_CMC.ID06362.5p-miR	12	+	72338382	72338401	CTGGTTCCCTCGGAAGATCT	6360
TJU_CMC.ID06363.3p-miR	12	+	73044172	73044191	TATATGGCACCAGTATAGTA	6361
TJU_CMC.ID06364.3p-miR	12	+	74180100	74180120	AGCTACATTAGCTTATAACAA	6362
TJU_CMC.ID06365.3p-miR	12	+	74433698	74433717	CCATTTGGATCGGGGATTGG	6363
TJU_CMC.ID06366.3p-miR	12	-	74623080	74623101	TGTCAGTCTACTCTATACCAAC	6364
TJU_CMC.ID06367.3p-miR	12	+	74632944	74632965	AAAGCCAGCAGGCTTTCAATGC	6365
TJU_CMC.ID06368.5p-miR	12	-	74769057	74769080	AAACTGCCATTGACCTAGCTTGTC	6366
TJU_CMC.ID06369.3p-miR	12	-	77016989	77017010	TCCCAACAGGAGGGTCTAAAGT	6367
TJU_CMC.ID06370.5p-miR	12	+	77095558	77095579	TGTAGGTGCTTCCAGTCACATC	6368
TJU_CMC.ID06371.3p-miR	12	-	77215886	77215905	TGGATCAGAGGCTATCACTA	6369
TJU_CMC.ID06372.5p-miR	12	+	77321188	77321211	AACAAGGGGGCCTGGCTCTGGGAT	6370
TJU_CMC.ID06373.5p-miR	12	-	77501694	77501715	ACAGCCTGAGTATGTAACAGGA	6371
TJU_CMC.ID06374.3p-miR	12	+	77636886	77636906	CTGACCTACAGGTTGAAACCC	6372
TJU_CMC.ID06375.5p-miR	12	+	78013276	78013298	TAGCTGTGACTCTCAGCACACTT	6373
TJU_CMC.ID06376.3p-miR	12	+	78143254	78143276	TAATCTGCTGAGTTGATGGGTTG	6374
TJU_CMC.ID06377.3p-miR	12	+	78445855	78445877	GTCTATAAACTTTGTGTGAGTCT	6375
TJU_CMC.ID06378.5p-miR	12	-	79428903	79428924	TATAGTTCTGAGCTGACTAGCG	6376
TJU_CMC.ID06379.5p-miR	12	-	80757070	80757091	ATACAGGACTCTTTCCATCTCC	6377
TJU_CMC.ID06380.3p-miR	12	-	80929595	80929616	CCACGCCCGGCCGTGTTTTTCT	6378
TJU_CMC.ID06381.5p-miR	12	+	81623910	81623930	ATTTAGTATGTTTTTTATTGTG	6379
TJU_CMC.ID06382.3p-miR	12	+	82732090	82732110	CCAAATGCTCGAATCGAGTAG	6380
TJU_CMC.ID06383.5p-miR	12	-	82778352	82778373	TCAGTCTAACAGTTTATGGTAT	6381
TJU_CMC.ID06384.3p-miR	12	-	84088217	84088239	TCTGTCATTAGTCTGATAGGCTT	6382
TJU_CMC.ID06385.3p-miR	12	-	84238350	84238371	TTCATGCGGCCTGAGATAGGTT	6383
TJU_CMC.ID06386.5p-miR	12	-	84732860	84732881	TAATAGCACATCATGGTTTTGT	6384
TJU_CMC.ID06387.5p-miR	12	-	85214395	85214416	TTATCATAGTTCTACATCACAG	6385

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TJU_CMC.ID06388.5p-miR	12	-	87036808	87036829	TGTAACAGCACAGAACAGACTC	6386
TJU_CMC.ID06389.5p-miR	12	-	87287949	87287969	TTGACCTACAGGCCAGTGTAT	6387
TJU_CMC.ID06390.5p-miR	12	+	88326820	88326840	CAGCACCAGCTGAATAGCACC	6388
TJU_CMC.ID06391.3p-miR	12	-	88572553	88572574	CTCAGTCTCAAAGCCCTTGTGT	6389
TJU_CMC.ID06392.5p-miR	12	+	88602259	88602278	CCGCTGAGACTTAGTCACAA	6390
TJU_CMC.ID06393.3p-miR	12	-	89018057	89018077	GTGAGCTGAGTACAATTGTGG	6391
TJU_CMC.ID06394.3p-miR	12	+	89184204	89184225	AGCAGTGGTGACCCACAAAACC	6392
TJU_CMC.ID06395.3p-miR	12	-	89227277	89227298	TGAGACTCATTTTACAGGCTGA	6393
TJU_CMC.ID06396.5p-miR	12	-	89364282	89364303	AGCTACATCTGGCTACTGAATA	6394
TJU_CMC.ID06397.5p-miR	12	-	90392445	90392467	ACTGGACTTGGAGTCATGGAATG	6395
TJU_CMC.ID06398.3p-miR	12	-	90627146	90627166	ATATGTTGCTCAGCAGATGTT	6396
TJU_CMC.ID06399.3p-miR	12	+	90859412	90859431	CGGTCCTCTGCACGTGGCTA	6397
TJU_CMC.ID06400.3p-miR	12	+	90915786	90915806	CAATGGTGATCTTTGGATCTG	6398
TJU_CMC.ID06401.3p-miR	12	+	91667681	91667700	TACCACCATCTGAGCGATTG	6399
TJU_CMC.ID06402.5p-miR	12	-	92765772	92765793	TATGCAATGTTCAAAGCCCACA	6400
TJU_CMC.ID06403.5p-miR	12	-	92964215	92964234	AGGCAAGATGCTGGCAAGAG	6401
TJU_CMC.ID06404.3p-miR	12	+	93270143	93270163	CATGTTTAGTATGTTTTTATT	6402
TJU_CMC.ID06405.3p-miR	12	-	93503380	93503401	CTAATTTAGTAGTAATGGTGCT	6403
TJU_CMC.ID06406.3p-miR	12	+	94235980	94236001	ATCACATCATTGAATGCAAGGT	6404
TJU_CMC.ID06407.5p-miR	12	-	95030510	95030529	TGTTCCATAGCACGACAGTT	6405
TJU_CMC.ID06408.3p-miR	12	-	95263142	95263163	CCACCGCGCCTTGCGGCACACT	6406
TJU_CMC.ID06409.5p-miR	12	+	95690420	95690441	CATTGAAAAAAATGGCCCAGGC	6407
TJU_CMC.ID06411.3p-miR	12	+	96184324	96184343	GGCGGCGGGAGCCCCGGGAC	6408
TJU_CMC.ID06412.5p-miR	12	-	96195399	96195418	TCAATGCTGGTATGGGTGAG	6409
TJU_CMC.ID06413.3p-miR	12	-	96638561	96638580	AATTAAATAAGGGTGTCATT	6410
TJU_CMC.ID06414.5p-miR	12	-	97200384	97200404	TAGTAGTTTTCCCAGGAACCC	6411
TJU_CMC.ID06415.3p-miR	12	+	97655331	97655352	TGGAGACTTTCAGGTCCTGTGA	6412
TJU_CMC.ID06416.3p-miR	12	+	97957651	97957671	TGTAGGGATGGAAGCCATGAA	6413
TJU_CMC.ID06417.5p-miR	12	+	98894601	98894621	TGTGTGAGCACTGGCATAGCT	6414

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TJU_CMC.ID06418.5p-miR	12	+	98993639	98993662	GACTCGACTCGTGTGCGGACATTT	6415
TJU_CMC.ID06419.5p-miR	12	-	99235390	99235411	AAGTGCAGTAGTAGCTGGCTAG	6416
TJU_CMC.ID06420.5p-miR	12	+	99261349	99261371	AGTCAGTTTGTCGGGCGCAGTGG	6417
TJU_CMC.ID06421.5p-miR	12	-	99467060	99467080	GAATGGTTGGGAACATGGTCA	6418
TJU_CMC.ID06422.3p-miR	12	-	101297436	101297455	CTGACCTATGAATTCAGACT	6419
TJU_CMC.ID06423.5p-miR	12	+	101306781	101306800	AGGAAAACAAGCTATTTTGG	6420
TJU_CMC.ID06424.5p-miR	12	-	101550722	101550741	GTATATTCTTAAATTTGGGT	6421
TJU_CMC.ID06425.5p-miR	12	-	101566026	101566045	ACCTATATCCCTCCCTGGCA	6422
TJU_CMC.ID06426.3p-miR	12	-	101566906	101566925	AAGACCCTGTTGAGCTTATC	6423
TJU_CMC.ID06427.5p-miR	12	+	101724660	101724679	TTGAAATTCTTGGACCCATC	6424
TJU_CMC.ID06428.5p-miR	12	-	101927329	101927350	CCTGAGACATGAACATTGAGTC	6425
TJU_CMC.ID06429.5p-miR	12	+	102224236	102224256	CTAATAATGAAAAAAATACATA	6426
TJU_CMC.ID06430.5p-miR	12	+	102345696	102345715	TCCCCGGCATAGAACATAGG	6427
TJU_CMC.ID06431.5p-miR	12	+	102719876	102719898	CTCTTAGAGACTTGGAGGGCTAA	6428
TJU_CMC.ID06432.3p-miR	12	-	102869640	102869662	TGGGAGTCAATGCACTTCTGTCC	6429
TJU_CMC.ID06433.3p-miR	12	-	102876474	102876493	TAGCACCAAGACTCCAGCCA	6430
TJU_CMC.ID06434.5p-miR	12	-	103245458	103245479	GCCCAGTTTTCCCAGGTAAGGA	6431
TJU_CMC.ID06435.3p-miR	12	+	103908747	103908769	GTTGTCATGACTGGTATGGGGTG	6432
TJU_CMC.ID06436.3p-miR	12	-	103938112	103938134	AATGATGAAAGTCAGAAGACAGT	6433
TJU_CMC.ID06437.3p-miR	12	+	104567063	104567084	TCAATGAAGTTTTAACTCACAG	6434
TJU_CMC.ID06438.5p-miR	12	+	104930854	104930873	CCACATTGCACGCAGGTGTG	6435
TJU_CMC.ID06439.5p-miR	12	+	104955118	104955137	CCACTACATTCTTATCCCTT	6436
TJU_CMC.ID06440.5p-miR	12	+	105013258	105013279	TCTTCTCGTCAGGGGAGGGCTA	6437
TJU_CMC.ID06441.3p-miR	12	+	105878175	105878194	CAACCCATCAAGGAGAACTG	6438
TJU_CMC.ID06442.3p-miR	12	-	106303453	106303473	GTGACCTGTCCTCCTATACTC	6439
TJU_CMC.ID06443.5p-miR	12	-	106755736	106755756	CTGACCTACCTGCCAGTGAAA	6440
TJU_CMC.ID06444.3p-miR	12	+	107208436	107208456	CAAATAATGATTTTTGCATAC	6441
TJU_CMC.ID06445.5p-miR	12	-	107277927	107277946	TGAGATGAAGCACTGACCAG	6442
TJU_CMC.ID06446.3p-miR	12	-	107466318	107466337	CCCCAACAGTATAAATAACA	6443
TJU_CMC.ID06447.5p-miR	12	+	107743835	107743854	ACTGAGTAATCCAGGAGGCT	6444
TJU_CMC.ID06448.5p-miR	12	+	108013004	108013025	GAGATTCCGAATGGGCTACTTG	6445

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TJU_CMC.ID06449.5p-miR	12	+	108210646	108210666	ACAGCACCCTGACATATGGGA	6446
TJU_CMC.ID06450.5p-miR	12	+	108443787	108443806	CCAATAAATCCTGACCCCAC	6447
TJU_CMC.ID06451.5p-miR	12	+	108529850	108529871	TGAGTCAGGTGACATATGGGGT	6448
TJU_CMC.ID06452.5p-miR	12	+	108673904	108673925	TGTACCAGCTGACCTATGGGCA	6449
TJU_CMC.ID06453.3p-miR	12	-	108697700	108697719	GCATCCCAGCAGCCACACCA	6450
TJU_CMC.ID06454.3p-miR	12	+	108958298	108958318	TGAGATGGGATGAGTCCATGT	6451
TJU_CMC.ID06455.5p-miR	12	-	109312304	109312326	TGTTCTGGGACATTTATGGGAAC	6452
TJU_CMC.ID06456.3p-miR	12	-	109568373	109568392	CACAGGGATCATCGAGTCCA	6453
TJU_CMC.ID06457.5p-miR	12	+	109607023	109607044	ATGCATCAGAGGCTGTGTGCTG	6454
TJU_CMC.ID06458.3p-miR	12	+	109988585	109988606	GCGCACATCAATCCTGGGCTTT	6455
TJU_CMC.ID06459.5p-miR	12	-	110256036	110256056	TGGCCGAGCTTCCTGGTGGGG	6456
TJU_CMC.ID06460.5p-miR	12	-	110597892	110597912	GCATAAATTTTACAAAAAAGA	6457
TJU_CMC.ID06461.3p-miR	12	+	110727144	110727166	TCTAGTATCAGAGCAGCTGTGAT	6458
TJU_CMC.ID06462.5p-miR	12	-	110999760	110999780	AGGGGAGTGTTTTTTTGTTTTG	6459
TJU_CMC.ID06463.5p-miR	12	+	111216019	111216041	GCTTCTAAGTCCCAGGAAAGGGA	6460
TJU_CMC.ID06464.3p-miR	12	+	111240003	111240024	TGAGGATCATCTATGTATAGGA	6461
TJU_CMC.ID06465.5p-miR	12	+	111431934	111431953	ACAACCCTAGGAGCTTTTAT	6462
TJU_CMC.ID06466.5p-miR	12	-	111520064	111520084	TCTCTCTCTCCCGCTCATC	6463
TJU_CMC.ID06467.5p-miR	12	-	111617110	111617129	CGGCGGGTGTTGGTATTATG	6464
TJU_CMC.ID06468.3p-miR	12	-	111634677	111634698	TCCTCTGAAAGATTCAAGGACC	6465
TJU_CMC.ID06469.3p-miR	12	-	111719276	111719297	TCCTTTGCAAAGGTGCTCAGTG	6466
TJU_CMC.ID06470.3p-miR	12	-	112350146	112350166	GGGTCACAAGTGACTACCAAT	6467
TJU_CMC.ID06471.5p-miR	12	+	112738313	112738334	TCATGATGGTGTGGGCATTTTG	6468
TJU_CMC.ID06472.3p-miR	12	-	112855227	112855248	GGGAATAATGGTAGCTCAGACC	6469
TJU_CMC.ID06473.5p-miR	12	+	112860316	112860335	CGCGACGATGAGCTGAGAGG	6470
TJU_CMC.ID06474.3p-miR	12	+	113022396	113022418	TGGCTCAGAAGTCCAGGGACAGA	6471
TJU_CMC.ID06475.3p-miR	12	+	113070487	113070506	GGGACATGTGGCCATGCCTG	6472
TJU_CMC.ID06476.3p-miR	12	+	113076924	113076944	CTGACTCCAAGGCCAGTGGTT	6473
TJU_CMC.ID06477.5p-miR	12	-	113298991	113299010	GCATTGGTGGTTGTCAAACT	6474
TJU_CMC.ID06478.3p-miR	12	+	113573813	113573834	TGTCCCTCATCCAACATATTCA	6475
TJU_CMC.ID06479.5p-miR	12	-	113574862	113574883	TCTCACCGGTCTGGGCGTTGGC	6476

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TJU_CMC.ID06480.5p-miR	12	-	113599889	113599910	GCTCCAACAACCTGACAAGAGG	6477
TJU_CMC.ID06481.3p-miR	12	+	113624241	113624262	TGTCATCTCTCCTTCACCGCCA	6478
TJU_CMC.ID06482.3p-miR	12	-	114180375	114180394	AGGGGTGAGGACCATGGTGG	6479
TJU_CMC.ID06483.5p-miR	12	+	114347677	114347699	GCTAGGCGTCTCACATACTTGAC	6480
TJU_CMC.ID06484.5p-miR	12	+	114352957	114352976	CCACTACGCCTCCATCAGAA	6481
TJU_CMC.ID06485.5p-miR	12	-	114567090	114567110	TGAAGGTATGCACACTATCCC	6482
TJU_CMC.ID06486.5p-miR	12	+	114590145	114590166	TGATGCCATTTGATTAGCTGGC	6483
TJU_CMC.ID06487.5p-miR	12	+	114668530	114668552	TGGCTCAGAAGTCTGAACACAGC	6484
TJU_CMC.ID06488.5p-miR	12	-	115109870	115109893	CCATGGCGGCGGCCGCGGGGGCCCC	6485
TJU_CMC.ID06489.5p-miR	12	-	115135134	115135155	AGTTCCATAATGACAGCGAGGA	6486
TJU_CMC.ID06490.3p-miR	12	+	115196644	115196666	CCAGTGTTTGTCAAATAAAACTG	6487
TJU_CMC.ID06491.5p-miR	12	-	115287334	115287355	CTGAAGCTCTTTCTCTCCCTTG	6488
TJU_CMC.ID06492.3p-miR	12	+	115479486	115479506	CAGTGCAATGTTAGAGGGCAT	6489
TJU_CMC.ID06493.5p-miR	12	-	115783960	115783979	TCAAGTAATCCAGCTACCTC	6490
TJU_CMC.ID06494.5p-miR	12	-	115953370	115953391	ATAGGACCCGAACTGATATCGA	6491
TJU_CMC.ID06495.3p-miR	12	-	115969409	115969428	TATAGGCGACTCAGTCACCC	6492
TJU_CMC.ID06496.3p-miR	12	+	116061887	116061908	CGAGGAGGAGGAGGGGGCAGAG	6493
TJU_CMC.ID06497.5p-miR	12	-	116102841	116102862	TGCTACTGTGAGTAATAATGCA	6494
TJU_CMC.ID06498.5p-miR	12	-	116286468	116286488	ATCCCACTGCTGCCACCAATA	6495
TJU_CMC.ID06499.5p-miR	12	+	116396090	116396109	AGACACCATTAGAGCTCATC	6496
TJU_CMC.ID06500.3p-miR	12	-	116489012	116489034	CTGTTCATTTCTATTATTTTTAT	6497
TJU_CMC.ID06501.5p-miR	12	-	116793111	116793132	GCGGTAGGAACAGGGCATTCAC	6498
TJU_CMC.ID06502.3p-miR	12	-	117237933	117237953	GCATGGCACCTGCATATGCTC	6499
TJU_CMC.ID06503.5p-miR	12	+	117262696	117262717	TAGCACCAGCTGAGTAGCCTTA	6500
TJU_CMC.ID06504.5p-miR	12	-	117318975	117318996	GCTAGGCGACGAGCTGCACCAG	6501
TJU_CMC.ID06505.3p-miR	12	-	117424940	117424960	CATCACAAAGGACAGCCGCAC	6502
TJU_CMC.ID06506.5p-miR	12	+	117510546	117510567	TACCAGCGTAGGTACCAAGCAC	6503
TJU_CMC.ID06507.3p-miR	12	+	117537251	117537271	CGGCGGAGGGCGGCGCGCCGC	6504
TJU_CMC.ID06508.5p-miR	12	+	117589703	117589725	GTCACTGGGGAACAGGATCTTTA	6505
TJU_CMC.ID06509.3p-miR	12	-	117838929	117838950	GTCATCAGAGGCTATGTGGACA	6506
TJU_CMC.ID06510.3p-miR	12	-	117850019	117850038	ATGTATCAGTAGAAAGCAAG	6507

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TJU_CMC.ID06511.5p-miR	12	-	118381720	118381741	ACAGCAGGCAAGAGTGAATGAG	6508
TJU_CMC.ID06512.3p-miR	12	+	118403464	118403485	ATCACATCTTTCTCCTAATGGT	6509
TJU_CMC.ID06513.5p-miR	12	-	118458751	118458771	TAGCAAAGCTCAGGATCGGTC	6510
TJU_CMC.ID06514.3p-miR	12	+	118470337	118470357	ATCGTGGCTCGCTACAGCCTC	6511
TJU_CMC.ID06515.3p-miR	12	+	119056406	119056426	TCCCTGAGACTCTAACTTCTG	6512
TJU_CMC.ID06516.5p-miR	12	-	119484175	119484196	CAGACTGCCAGACTTATTTCAG	6513
TJU_CMC.ID06517.5p-miR	12	-	119597943	119597962	GTCACATTGCCAGGGAAACA	6514
TJU_CMC.ID06518.5p-miR	12	+	120195840	120195861	GACCCAAAACACAGCCTACTAA	6515
TJU_CMC.ID06519.3p-miR	12	-	120260214	120260235	CTAATGGCTGAGTTTAAACAAA	6516
TJU_CMC.ID06520.3p-miR	12	-	120386584	120386604	GTGAACCACCAAGCCACCACA	6517
TJU_CMC.ID06521.3p-miR	12	-	120421962	120421981	AAGTCCATTAGGTCAGCCTT	6518
TJU_CMC.ID06522.3p-miR	12	+	120516105	120516127	AGCAGCTAGTACAGTGCCTTGCT	6519
TJU_CMC.ID06523.5p-miR	12	-	120636525	120636545	CAGAGTGATGTGCAGCTGATC	6520
TJU_CMC.ID06524.5p-miR	12	+	120705261	120705280	GAATCTAAAGGTGCACGCAA	6521
TJU_CMC.ID06525.3p-miR	12	-	121022284	121022304	TCCTCCCGGGGCTGTGCCTGT	6522
TJU_CMC.ID06526.3p-miR	12	-	121340793	121340814	GCTACTGTGTAGTTTATGGGGT	6523
TJU_CMC.ID06527.3p-miR	12	-	121774506	121774528	ATATACTAGACTGATGCAAAAAA	6524
TJU_CMC.ID06528.3p-miR	12	-	121828841	121828862	AAGAGCTGCCAACTCTCCTATC	6525
TJU_CMC.ID06529.3p-miR	12	+	121946377	121946399	ACCCAGACGCCTCGGAGGCCTCA	6526
TJU_CMC.ID06530.3p-miR	12	-	122147639	122147658	TAGTGGATACTTAATTGTTG	6527
TJU_CMC.ID06531.3p-miR	12	+	122419420	122419442	CACTGACCTGCTCCCGCCCCATG	6528
TJU_CMC.ID06532.3p-miR	12	+	123102907	123102929	AGCGTGGCAGCGTGTGATACAGA	6529
TJU_CMC.ID06533.3p-miR	12	+	123237457	123237479	GCGGCGGGAGCGGAGCCGGCGGG	6530
TJU_CMC.ID06534.5p-miR	12	-	123328067	123328086	CACTCAGGATAGCTGGCATC	6531
TJU_CMC.ID06535.3p-miR	12	+	123463279	123463300	ACCCCAGGAATCCCCTCCCAGG	6532
TJU_CMC.ID06536.5p-miR	12	-	123497851	123497872	TAGCTTATCACTGCTGAGTTGA	6533
TJU_CMC.ID06537.3p-miR	12	+	123544114	123544133	TCATATCATCTGAGCTTCTC	6534
TJU_CMC.ID06538.3p-miR	12	-	123635893	123635914	CGAGGAGCCCGGGGCGGGGATC	6535
TJU_CMC.ID06539.3p-miR	12	-	124235038	124235059	AAGCTTATCACTCTGTATGGTC	6536
TJU_CMC.ID06540.3p-miR	12	-	124745330	124745349	CCCAGCCCTTAGAAAGGGGG	6537
TJU_CMC.ID06541.3p-miR	12	-	124838016	124838037	GAGCTTCGGGCAACAAGATGGT	6538

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TJU_CMC.ID06542.3p-miR	12	+	124991057	124991080	AGGAAGAGAGGGAGATAAACCACA	6539
TJU_CMC.ID06543.5p-miR	12	-	125333418	125333439	AGCAGTTTGCTGAAATGGGACC	6540
TJU_CMC.ID06544.5p-miR	12	+	125899713	125899732	CCATCTCCAGGTGAAGAATA	6541
TJU_CMC.ID06545.3p-miR	12	+	126337830	126337850	CAGGCGGCAGAGGTTGCAATA	6542
TJU_CMC.ID06546.5p-miR	12	-	127444478	127444497	TGGTTCGCTCTACATCTTCT	6543
TJU_CMC.ID06547.3p-miR	12	+	127648162	127648181	ACCTACAGGAAGAGACAGGG	6544
TJU_CMC.ID06548.3p-miR	12	+	128165154	128165173	TCAGTCGTGATGTCTCAGTC	6545
TJU_CMC.ID06549.3p-miR	12	-	128519690	128519710	TATAGGCATCTGCCGCTACGC	6546
TJU_CMC.ID06550.3p-miR	12	-	128658861	128658882	TAATACTGCCTGGGCCACTACA	6547
TJU_CMC.ID06551.3p-miR	12	-	128877057	128877078	ACACACTTTGCTCCTTCATGAC	6548
TJU_CMC.ID06552.3p-miR	12	+	129231684	129231706	TACTGACCCACTGGGCACAGAGG	6549
TJU_CMC.ID06553.5p-miR	12	+	129376314	129376336	CGATCGTATGTTGTGGCAATGCA	6550
TJU_CMC.ID06554.3p-miR	12	-	129378684	129378705	AAGCACCATACAGTGCTGACGC	6551
TJU_CMC.ID06555.5p-miR	12	-	129441539	129441560	TGGCAGCACCTAGCAGCTGTGC	6552
TJU_CMC.ID06556.5p-miR	12	-	129507508	129507529	ATTCACGGTAAGAAGATTTAAG	6553
TJU_CMC.ID06557.3p-miR	12	-	129598827	129598847	AGCAGCATCACTGTCCTTACT	6554
TJU_CMC.ID06558.3p-miR	12	-	130226978	130227001	GAATGGCTTGGCTTGTTAATGAGT	6555
TJU_CMC.ID06559.3p-miR	12	-	130227550	130227573	TCCCTGAGACCCTTACACAGTGTG	6556
TJU_CMC.ID06560.3p-miR	12	-	130357969	130357990	AATGTAGGCGACGGCAGTCTGG	6557
TJU_CMC.ID06561.5p-miR	12	-	130527386	130527407	CACATGGGCTTGCATGAACATG	6558
TJU_CMC.ID06562.3p-miR	12	+	130558940	130558961	CAACGGAATCCCAAAAGGGCAG	6559
TJU_CMC.ID06563.5p-miR	12	+	130567188	130567209	TATATGATACTCATTATGCATA	6560
TJU_CMC.ID06564.3p-miR	12	+	130801496	130801518	ACGCTCACACTGTACTTCGTGAT	6561
TJU_CMC.ID06565.3p-miR	12	+	131572944	131572963	CGGATGACTTGTGGATAATT	6562
TJU_CMC.ID06566.5p-miR	12	-	131680839	131680860	TAGAGGCCTGAGTGTCCTGGTG	6563
TJU_CMC.ID06567.5p-miR	12	+	131812125	131812147	CAATCTGAGTCAGCAGGAGGTCA	6564
TJU_CMC.ID06568.3p-miR	12	+	131893766	131893787	TGGGAGAGACCAGCACTTGTTA	6565
TJU_CMC.ID06569.3p-miR	12	+	131906311	131906332	TCCCTGAGACCCTTTACAGGAG	6566
TJU_CMC.ID06570.5p-miR	12	-	131948844	131948865	CAAGCCTTGGGGGTTAGCAGCT	6567
TJU_CMC.ID06571.3p-miR	12	-	132184090	132184109	CAGCAATTGATCATGGACTG	6568
TJU_CMC.ID06572.3p-miR	12	+	132409593	132409614	TCGATGTACACTGGGCTTTGCA	6569

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TJU_CMC.ID06573.5p-miR	12	-	132550514	132550535	TTGTACATTCATCACTTTGTAA	6570
TJU_CMC.ID06574.3p-miR	12	+	132596713	132596734	TTGTTCAGTAAGAGGATGAACC	6571
TJU_CMC.ID06575.5p-miR	12	+	132624435	132624455	GTCCAGTTTTCCCAGCGCGAG	6572
TJU_CMC.ID06576.5p-miR	12	-	132666573	132666592	GGGCGCCACAACTGCGGTGC	6573
TJU_CMC.ID06577.5p-miR	12	+	132929629	132929650	CACTGCACACAGTGGCGTCCCA	6574
TJU_CMC.ID06578.3p-miR	12	+	133375297	133375319	TAGCTCATCAGACTGCGGTTTGT	6575
TJU_CMC.ID06579.5p-miR	12	+	133378722	133378745	AGTGGGCGCTGAGAGATGCCGCTC	6576
TJU_CMC.ID06580.5p-miR	13	-	19555449	19555469	TCAAGTCCCTGTGTAGGGTGT	6577
TJU_CMC.ID06581.5p-miR	13	-	19842122	19842144	TGGCTCAGAAGTGCAGGCACAGT	6578
TJU_CMC.ID06582.3p-miR	13	+	20238936	20238956	AGGGGCATCTAGGCTCAGGAG	6579
TJU_CMC.ID06583.3p-miR	13	+	20930728	20930749	AAGTCATTTCCAGGAGCCCTTG	6580
TJU_CMC.ID06584.3p-miR	13	+	20989902	20989921	GACTGGCCGCCCGTGTTCAC	6581
TJU_CMC.ID06585.5p-miR	13	+	21510827	21510846	AGCTGGCAGCAAGGTTCTTG	6582
TJU_CMC.ID06586.5p-miR	13	+	22057984	22058005	TGTACTGGGTGACGGCCTTGGT	6583
TJU_CMC.ID06587.5p-miR	13	-	22092563	22092583	TGTCATACTCATCAGCACCAA	6584
TJU_CMC.ID06588.3p-miR	13	-	23043313	23043333	CACGCTGTCTATGTCACGGGC	6585
TJU_CMC.ID06589.5p-miR	13	+	23091685	23091706	ATCACATTGCCAGGTTTGGAAG	6586
TJU_CMC.ID06590.3p-miR	13	+	23220082	23220101	TAGGACTTTGGCATACGAAT	6587
TJU_CMC.ID06591.3p-miR	13	-	23300410	23300429	CTTTCACTCAGATCAAACGT	6588
TJU_CMC.ID06592.3p-miR	13	+	23737595	23737616	AGGTTAATACCTAATTCAGACT	6589
TJU_CMC.ID06593.5p-miR	13	+	24173148	24173171	TGCAAGTGGCTTCTGATAGATAGC	6590
TJU_CMC.ID06594.3p-miR	13	+	24270610	24270629	CCCACGGGAGCTCCCTCACA	6591
TJU_CMC.ID06595.5p-miR	13	+	24384823	24384843	ACCAATGGCAAGTTACTCAGT	6592
TJU_CMC.ID06596.3p-miR	13	-	24410698	24410719	TAGCAGCTGTGCAAATATTTTG	6593
TJU_CMC.ID06597.5p-miR	13	+	24425411	24425432	CAGTGCAATTGGCCAAGTTATG	6594
TJU_CMC.ID06598.5p-miR	13	-	24567401	24567420	TGGACTACAGATGTAACTGG	6595
TJU_CMC.ID06599.5p-miR	13	-	24645722	24645742	CAGAGGGCTGAGTCAGACCAG	6596
TJU_CMC.ID06600.5p-miR	13	+	24679863	24679883	TCCCCAGTACCTCCACATGTG	6597
TJU_CMC.ID06601.3p-miR	13	-	24794768	24794787	CCAGAGGAGCTGGGGGTTAC	6598
TJU_CMC.ID06602.5p-miR	13	-	25721973	25721994	ATCACATGTAACTAAGCCAGTA	6599
TJU_CMC.ID06603.5p-miR	13	-	26330908	26330930	AGCAGCAAGTGCTGATTTCGCAC	6600

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TJU_CMC.ID06604.3p-miR	13	+	26514931	26514951	TTGGGCTCTAGGGCCTTGTTG	6601
TJU_CMC.ID06605.5p-miR	13	-	26952917	26952936	TAGCACCAAAACTTTACATG	6602
TJU_CMC.ID06606.5p-miR	13	+	27355342	27355361	TAAAGTCTCAAAGCTGAGTG	6603
TJU_CMC.ID06607.3p-miR	13	+	27513406	27513427	ACATGACCCACTGGGCTAAAAC	6604
TJU_CMC.ID06608.3p-miR	13	-	27787301	27787321	GTCTCACTGCTTGGTGATAGT	6605
TJU_CMC.ID06609.5p-miR	13	-	27906771	27906793	AGCAGCATTGTTTGAAACTCCCT	6606
TJU_CMC.ID06610.5p-miR	13	-	27921594	27921617	TAGCCCACTGAGTCAGCATCATTC	6607
TJU_CMC.ID06611.3p-miR	13	-	28020548	28020569	GATGTCATGACACTATCCTAAA	6608
TJU_CMC.ID06612.5p-miR	13	+	28343887	28343909	ACAGTTGATGTCAAATACGGGTT	6609
TJU_CMC.ID06613.5p-miR	13	+	28434434	28434453	AACCACCTGATCCCAGAAAT	6610
TJU_CMC.ID06614.5p-miR	13	+	28711800	28711821	CATAATTTACCGAAGGCCCTTG	6611
TJU_CMC.ID06615.3p-miR	13	-	28902801	28902821	CTGCGGCATCTGCCGCCGTAG	6612
TJU_CMC.ID06616.5p-miR	13	+	29644729	29644748	ATTTGTGTGTGGATGTGTGT	6613
TJU_CMC.ID06617.3p-miR	13	-	30256680	30256699	ACAGGAGATAGTCAACGTCT	6614
TJU_CMC.ID06618.3p-miR	13	+	30685256	30685276	AGCATGGCACTCATTGACTTA	6615
TJU_CMC.ID06619.3p-miR	13	-	30848609	30848630	AAGGGCAATGGTATACTGTGTT	6616
TJU_CMC.ID06620.5p-miR	13	+	31774681	31774702	GGCGGCGGCGGCGGTCCCGCCC	6617
TJU_CMC.ID06621.3p-miR	13	-	31939929	31939949	AACCTCTGTGGCTGTGGTGTC	6618
TJU_CMC.ID06622.3p-miR	13	+	31948239	31948258	TAGCAGCACGCGTTATACAA	6619
TJU_CMC.ID06623.5p-miR	13	+	32469967	32469989	TATTCATAGTACAGTGTCTTGCA	6620
TJU_CMC.ID06624.5p-miR	13	+	33029240	33029260	AGCAGCATGACACTATTTTGA	6621
TJU_CMC.ID06625.3p-miR	13	+	34006137	34006158	GAATCAGAGTAAGCCAGGTAGA	6622
TJU_CMC.ID06626.3p-miR	13	-	34267599	34267620	TCTCACAATGTCACATACAAAC	6623
TJU_CMC.ID06627.3p-miR	13	-	34911130	34911152	AAATGTCTGAAATACCACTACGA	6624
TJU_CMC.ID06628.3p-miR	13	-	34945253	34945272	GCATTGGTGGTCCAGTGGGA	6625
TJU_CMC.ID06629.5p-miR	13	-	35194137	35194158	ATATACTAGTGACACTAAAAAA	6626
TJU_CMC.ID06630.5p-miR	13	+	35970703	35970725	TAGCTTATCAGACAGGGTCTTAG	6627
TJU_CMC.ID06631.5p-miR	13	-	36590341	36590361	AGCAGTTTGTGTTGCTTTCCA	6628
TJU_CMC.ID06632.3p-miR	13	+	37107888	37107907	CCTAATCAGAGGCTACTGTC	6629
TJU_CMC.ID06633.3p-miR	13	-	37422614	37422634	CAGTGCAATTGGAAAAGCAGG	6630
TJU_CMC.ID06634.3p-miR	13	+	37802148	37802170	TGTATCAGTTCATACTTCCATTG	6631

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TJU_CMC.ID06635.5p-miR	13	+	37963078	37963100	TCAGGCTCAGTAAACGAAATGGG	6632
TJU_CMC.ID06636.5p-miR	13	+	38409444	38409464	ATGACCTATGAATGTCCAGTG	6633
TJU_CMC.ID06637.5p-miR	13	-	38493808	38493830	AAACTGTGGATTCAGCAATAAAT	6634
TJU_CMC.ID06638.3p-miR	13	+	38618618	38618639	GCCCGTTGCCAGACTGGCCTGG	6635
TJU_CMC.ID06639.3p-miR	13	+	39131990	39132010	GATACTATGACACTATGTCAG	6636
TJU_CMC.ID06640.5p-miR	13	+	39693494	39693513	GACCTGATGCTGCTGGAGCT	6637
TJU_CMC.ID06641.5p-miR	13	-	39820860	39820881	TAGCTTATCAGACCTAGTGGTC	6638
TJU_CMC.ID06642.3p-miR	13	-	40229688	40229708	CGGAGAAGATGTGGGGGGCGG	6639
TJU_CMC.ID06643.3p-miR	13	+	40528793	40528815	CGATAATATCTCACAATCCCTCA	6640
TJU_CMC.ID06644.3p-miR	13	-	40769968	40769987	GTGACCTATTTTAACTGTAT	6641
TJU_CMC.ID06645.5p-miR	13	-	40781307	40781326	GTCCCCGGCACCTCAACCTG	6642
TJU_CMC.ID06646.3p-miR	13	+	41130443	41130464	TGTCAGTTTGTCAAAGCAGAAC	6643
TJU_CMC.ID06647.5p-miR	13	-	41707807	41707828	GAAAGTCTCAAAGTCAGGTGAC	6644
TJU_CMC.ID06648.3p-miR	13	+	41943783	41943805	ATCGTCAAAAGGGGCCTTAAAAG	6645
TJU_CMC.ID06649.3p-miR	13	+	42269894	42269914	AGGCAAGATGCTGGCTATGGA	6646
TJU_CMC.ID06650.5p-miR	13	-	42318329	42318348	CTCAGGATAAGGCCAGTGAA	6647
TJU_CMC.ID06651.3p-miR	13	-	42738295	42738316	TGATTCATTAGGTTTATAGGGC	6648
TJU_CMC.ID06652.5p-miR	13	-	42936675	42936697	TGGAGACCCCTCTTGCCAACACA	6649
TJU_CMC.ID06653.3p-miR	13	-	43837256	43837275	TCCCCAGTACCTCCACTAGG	6650
TJU_CMC.ID06654.5p-miR	13	+	43837265	43837287	GGTACTGGGGAAACTTCCAAAAG	6651
TJU_CMC.ID06655.5p-miR	13	+	44226278	44226299	TAGCACCATTTGACTATCTACA	6652
TJU_CMC.ID06657.3p-miR	13	-	46267138	46267158	TCTCACAGTGGAACATGGTCA	6653
TJU_CMC.ID06658.5p-miR	13	-	46310387	46310406	TATCCAATATGGCAGTCCAC	6654
TJU_CMC.ID06659.5p-miR	13	+	46356964	46356983	GCCCGGCTAGCTCAGCTTTG	6655
TJU_CMC.ID06660.5p-miR	13	+	46938867	46938889	TGGCAGTTTGAGTAATACCAACC	6656
TJU_CMC.ID06661.5p-miR	13	+	47127620	47127641	ACCACCACCATCAGCACCACGG	6657
TJU_CMC.ID06662.3p-miR	13	+	47266682	47266701	AGACACTGTTAGCCTCAATG	6658
TJU_CMC.ID06663.5p-miR	13	-	48714332	48714353	TCTGACTCTGGGATCATTGTCT	6659
TJU_CMC.ID06664.5p-miR	13	+	49305790	49305812	CAATCTGCTTTGAGTCCTCAATC	6660
TJU_CMC.ID06665.5p-miR	13	-	49668721	49668743	TTGCTTATCACTACATCTCCAGT	6661
TJU_CMC.ID06666.5p-miR	13	-	50164435	50164454	TCATGTTGCCCAGGGTTGAG	6662

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TJU_CMC.ID06667.5p-miR	13	+	50195980	50195999	AGGCAAGATGCTGGCCCCTC	6663
TJU_CMC.ID06668.3p-miR	13	-	50371462	50371483	TTACCTGGGCTTGATCTGATAG	6664
TJU_CMC.ID06669.3p-miR	13	+	50475693	50475714	TAGCAGCAGCATAAATAACATA	6665
TJU_CMC.ID06670.5p-miR	13	-	50617153	50617176	TAGCTTATAGGATCAGAGAGTTGA	6666
TJU_CMC.ID06671.5p-miR	13	+	51036825	51036846	TAGTGATTGCCAGGGATTACTC	6667
TJU_CMC.ID06672.3p-miR	13	-	51282950	51282972	TCCCTATACACTGTGGCAGGCTG	6668
TJU_CMC.ID06673.3p-miR	13	+	51307370	51307389	AGCCAGAGCATCAATGGATT	6669
TJU_CMC.ID06674.5p-miR	13	+	51394684	51394705	TGCTAGGGAGACGAGGAACATG	6670
TJU_CMC.ID06675.5p-miR	13	-	51499714	51499734	GTACTCAAAAGGGTCCTTAGT	6671
TJU_CMC.ID06676.5p-miR	13	+	51836930	51836950	ACACTATCTTCCCGAGGTGGT	6672
TJU_CMC.ID06677.5p-miR	13	-	51924331	51924352	CTTGGTGATGTCTAACCTGAAA	6673
TJU_CMC.ID06678.5p-miR	13	+	52100736	52100757	ACTCAGTTTGTCAATATTTTGT	6674
TJU_CMC.ID06679.5p-miR	13	-	52353955	52353976	TAACTGAGACAAGCCAAGTGTC	6675
TJU_CMC.ID06680.3p-miR	13	-	52415129	52415148	ATTCATACAGTAGCCATTTG	6676
TJU_CMC.ID06681.3p-miR	13	-	52467737	52467756	GCAGAAGCGCATACGGTGTG	6677
TJU_CMC.ID06682.5p-miR	13	-	52479701	52479722	CGCGCCGCTGCGAGGGAGGGCT	6678
TJU_CMC.ID06683.3p-miR	13	-	52626593	52626615	TGCCAGTCAAGCTACTCTGTGAG	6679
TJU_CMC.ID06684.5p-miR	13	-	52919950	52919971	TGTCTGGGCTGGTTTATGGGGT	6680
TJU_CMC.ID06685.3p-miR	13	+	53438222	53438242	GGAACCAAAAGGGTCCTTGGA	6681
TJU_CMC.ID06686.3p-miR	13	-	53502418	53502440	AGGAGGAGGGAATCTGGAAGTTT	6682
TJU_CMC.ID06687.3p-miR	13	-	53534835	53534854	CATACATGTTTATCAGATCA	6683
TJU_CMC.ID06688.3p-miR	13	+	53682200	53682220	CAAAGGTGCCGTGTGATTATG	6684
TJU_CMC.ID06689.5p-miR	13	-	53729891	53729910	AAAGTGCTATAGGAATTTAT	6685
TJU_CMC.ID06690.5p-miR	13	+	54950443	54950464	TACTGATGGTGCTTTATGGGGA	6686
TJU_CMC.ID06691.3p-miR	13	-	55141515	55141535	GAAAAAGTCATGGAAATGTTG	6687
TJU_CMC.ID06692.5p-miR	13	+	55796790	55796809	TACTGCAGTTGAACATGATC	6688
TJU_CMC.ID06693.5p-miR	13	-	56090912	56090932	CTAGAAGATCTGTTCCTCAGG	6689
TJU_CMC.ID06694.3p-miR	13	+	56721108	56721129	TGACCATTCTGTCTCTTTAGGA	6690
TJU_CMC.ID06695.3p-miR	13	-	56835249	56835270	TGCTACATTGTCAAATAATTTA	6691
TJU_CMC.ID06696.3p-miR	13	+	57326756	57326778	CAAAGTTCTTACCTGTTGAGTAA	6692
TJU_CMC.ID06697.3p-miR	13	+	57518459	57518480	ATTGCATGTAACTAGATTTCGT	6693

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TJU_CMC.ID06698.3p-miR	13	+	58431325	58431346	ACTTTCGAAGAGATATGTTGCA	6694
TJU_CMC.ID06699.3p-miR	13	-	59755297	59755317	GACTCTTAGATTGTAGATGTC	6695
TJU_CMC.ID06700.5p-miR	13	+	59835836	59835857	AGCTACATTGTCAATATGGTAG	6696
TJU_CMC.ID06701.3p-miR	13	-	60035129	60035149	GATGGCATAGTTTGGGCATAC	6697
TJU_CMC.ID06702.3p-miR	13	-	61095363	61095384	TTACCTGGGCTTAGCTAAGGGT	6698
TJU_CMC.ID06703.5p-miR	13	+	61096982	61097001	AAATTGAAGGTAACATGTTG	6699
TJU_CMC.ID06704.5p-miR	13	+	61454697	61454718	AGCTGACAAGTCTTTATAAAAC	6700
TJU_CMC.ID06705.5p-miR	13	+	62069299	62069320	CTAATGGCTGAGATTTAATGAG	6701
TJU_CMC.ID06706.3p-miR	13	-	62741196	62741217	AGGGGGAACCCTTGTACACTGT	6702
TJU_CMC.ID06707.3p-miR	13	-	62773155	62773178	CACGTGAAACCCTGTCTCTGCTAA	6703
TJU_CMC.ID06708.5p-miR	13	-	62833980	62834001	TCTATTTTCTCCTGACCTGCCA	6704
TJU_CMC.ID06709.5p-miR	13	+	64017724	64017743	TAGGAATAGTCTGACTTGTG	6705
TJU_CMC.ID06710.3p-miR	13	+	64055839	64055858	ATCACATTGCCAGGAAATGG	6706
TJU_CMC.ID06711.5p-miR	13	+	64272939	64272960	GTCTGACGGCTCAGGATAGGAC	6707
TJU_CMC.ID06712.3p-miR	13	-	64418431	64418450	TCCTCGGCGCGCGGCGGCTG	6708
TJU_CMC.ID06713.3p-miR	13	-	64621775	64621795	TGTCCGCTGCTTGGTGTCTGG	6709
TJU_CMC.ID06714.3p-miR	13	-	65659753	65659774	TCCCTGCTAGGAGCTGAACACT	6710
TJU_CMC.ID06715.5p-miR	13	-	66144591	66144611	CATTATTTAGAAGTTGCATAT	6711
TJU_CMC.ID06716.3p-miR	13	-	66487185	66487205	AGCGGTCATCAAAGCACTACT	6712
TJU_CMC.ID06717.5p-miR	13	+	66699146	66699166	AACAATCTCCTTTAGAACACT	6713
TJU_CMC.ID06718.3p-miR	13	-	67943750	67943769	GGAACGTAGCTAGGAATTTA	6714
TJU_CMC.ID06719.5p-miR	13	-	68221670	68221689	CCGTTAGAAATATGAACAAA	6715
TJU_CMC.ID06720.3p-miR	13	+	68345612	68345633	AGCAGCAATGCATAGGACTCAA	6716
TJU_CMC.ID06721.3p-miR	13	-	68437140	68437160	GTCCTCAGAGGCTATTGTTTC	6717
TJU_CMC.ID06722.5p-miR	13	-	69717189	69717209	ATAATTTAACAAAAGAAACAT	6718
TJU_CMC.ID06723.5p-miR	13	+	71361634	71361656	TGGCTCAGGGACTGCTTCGAGGA	6719
TJU_CMC.ID06724.5p-miR	13	-	71413151	71413172	CAGCTGCTGTCTGACTGCAACT	6720
TJU_CMC.ID06725.3p-miR	13	-	71461162	71461181	TGTAACAGCAGTCTTAAAAG	6721
TJU_CMC.ID06726.3p-miR	13	-	71607165	71607185	TCAGTTCTCAGGCCAGTGGGT	6722
TJU_CMC.ID06727.3p-miR	13	-	72438744	72438763	AGATTCCGGGAGAAAGAAAA	6723
TJU_CMC.ID06728.5p-miR	13	+	72534150	72534171	TTAGCAATTGAGTTTATTTTTA	6724

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TJU_CMC.ID06729.5p-miR	13	-	73153156	73153176	GGATGAACATCAAATACCACA	6725
TJU_CMC.ID06730.3p-miR	13	+	73331938	73331958	TAATGATGTGCTGCATAACTT	6726
TJU_CMC.ID06731.3p-miR	13	+	73786022	73786041	TAGAACCATTTGAATTCAGT	6727
TJU_CMC.ID06732.5p-miR	13	-	75123627	75123650	TATTTTTTTAATTTTACTTATTTT	6728
TJU_CMC.ID06733.5p-miR	13	-	75157134	75157153	ATCCCACTCCTGACAACTGA	6729
TJU_CMC.ID06734.3p-miR	13	+	76521815	76521836	CCTGGACGGCTTGATATGACTG	6730
TJU_CMC.ID06735.5p-miR	13	+	76607238	76607259	TATATCTTACTGCTGTTTGTTG	6731
TJU_CMC.ID06736.5p-miR	13	+	76985010	76985032	CTCTTTGGACAGTTTATGGGGTT	6732
TJU_CMC.ID06737.5p-miR	13	-	77123012	77123033	TTTCAGTTTGTACCATTGTTTG	6733
TJU_CMC.ID06738.5p-miR	13	+	77300010	77300030	CTACTACATGCCCAGAACTAT	6734
TJU_CMC.ID06739.3p-miR	13	+	77532193	77532213	GCTTGGTTTTCCCAGGAAAAA	6735
TJU_CMC.ID06740.5p-miR	13	-	78211683	78211703	AGCAGCAACAGCCAGGAATCC	6736
TJU_CMC.ID06741.5p-miR	13	+	78604138	78604159	TCAGTCATTGTCAAATACTCCA	6737
TJU_CMC.ID06742.5p-miR	13	+	79149727	79149748	TGCAGATGACTGATAGTCAGCT	6738
TJU_CMC.ID06743.3p-miR	13	-	79191194	79191215	ACAGTATGAGCGTGAAACCAAT	6739
TJU_CMC.ID06744.5p-miR	13	+	79749269	79749288	AGATTGAAGCGGTAATTTGT	6740
TJU_CMC.ID06745.3p-miR	13	-	79749273	79749292	CCATACAAATTACCGCTTCA	6741
TJU_CMC.ID06746.5p-miR	13	-	79820516	79820537	TGACTCAGGCTTTCAGGCTGTC	6742
TJU_CMC.ID06747.3p-miR	13	-	80999356	80999376	TAGCACCATCTCTCTAGCGCT	6743
TJU_CMC.ID06748.3p-miR	13	-	81416491	81416512	TTCTTTGGTTTCCTGCAACTTT	6744
TJU_CMC.ID06749.3p-miR	13	-	81432433	81432453	ACATGCTGAGTACAGGTGGCC	6745
TJU_CMC.ID06750.3p-miR	13	+	81717158	81717179	TACCTGAGACCCTTTAGTGTGT	6746
TJU_CMC.ID06751.3p-miR	13	-	81899958	81899979	AGATGTCATAGGAATAGCTGAT	6747
TJU_CMC.ID06752.5p-miR	13	-	82063894	82063915	CTCACATTGCCAGAAGCTACCA	6748
TJU_CMC.ID06753.5p-miR	13	+	83016448	83016470	AGCAATGCTCAGGCTAGAGTACA	6749
TJU_CMC.ID06754.3p-miR	13	+	84766388	84766409	TCCCTCTCTGTGATGAAACACT	6750
TJU_CMC.ID06755.3p-miR	13	+	85310361	85310380	GCTTTGTTATCATACAACAT	6751
TJU_CMC.ID06756.3p-miR	13	+	87440121	87440141	AACTAGTTTTATTGCACAAGT	6752
TJU_CMC.ID06757.3p-miR	13	+	88024415	88024436	TTGACTATTAGGTTTATAGGCT	6753
TJU_CMC.ID06758.3p-miR	13	+	88042151	88042171	ATCCAGTTTTCCCAGATTAGT	6754
TJU_CMC.ID06759.5p-miR	13	+	88131097	88131118	ACTCTAGTCTGCAAGCCAAAAT	6755

Table 1. Novel miRNA sequences

TJU_CMC.ID06760.3p-miR	13	-	88584883	88584904	GATCAGAAATTCGGTTTCCATC	6756
TJU_CMC.ID06761.5p-miR	13	-	88625569	88625590	TACACTGTCAACCTAGCAAAGT	6757
TJU_CMC.ID06762.3p-miR	13	+	89723618	89723638	TGAGATGACTACAGTGGCAGG	6758
TJU_CMC.ID06763.3p-miR	13	-	89965180	89965202	AGTTTAAACTTTATGGTGATGAG	6759
TJU_CMC.ID06764.3p-miR	13	+	90078624	90078645	TTCACTGTTAGTCTGATAGGCT	6760
TJU_CMC.ID06765.5p-miR	13	-	91028323	91028344	GAGGAATATGAGTCAGCAGAGA	6761
TJU_CMC.ID06766.3p-miR	13	-	91034346	91034367	ATTGCAATGCTCTAATAATTGC	6762
TJU_CMC.ID06767.5p-miR	13	+	91529477	91529498	TAGCAGCATGTAAAATATTGGA	6763
TJU_CMC.ID06768.3p-miR	13	-	91567487	91567507	GGGCTAGCTTTCCTCTGATTT	6764
TJU_CMC.ID06769.3p-miR	13	-	92003326	92003348	CTACCTGCACTATAAGCACTTTA	6765
TJU_CMC.ID06770.3p-miR	13	-	92098534	92098553	AGTGGTTAATACGTCTTCCT	6766
TJU_CMC.ID06771.3p-miR	13	-	92196325	92196347	GCAATGCATCAGACTGATATTTC	6767
TJU_CMC.ID06772.5p-miR	13	+	92308208	92308228	ATAAACAGAAGTCACACAACAGA	6768
TJU_CMC.ID06773.3p-miR	13	-	92360111	92360133	TAGGAATATGCTGTGATGATCAT	6769
TJU_CMC.ID06774.5p-miR	13	+	92399555	92399576	TGTACCACGTGATGTATCAGGA	6770
TJU_CMC.ID06775.5p-miR	13	+	93015525	93015544	TACTGGATAGAATTGTCAGA	6771
TJU_CMC.ID06776.5p-miR	13	-	93334283	93334305	TCTACACACTGGGGATACAAATG	6772
TJU_CMC.ID06777.5p-miR	13	-	93396262	93396281	ACTCCACCGCTGCCACCATT	6773
TJU_CMC.ID06778.5p-miR	13	+	93435554	93435575	TATAGTAGACTGCTGAGTGCAT	6774
TJU_CMC.ID06779.5p-miR	13	-	93547610	93547632	TGGCAATAACATGGTATGCCCAC	6775
TJU_CMC.ID06780.5p-miR	13	-	94188601	94188622	TATAGAATTTCAGGCTGGGAAG	6776
TJU_CMC.ID06781.5p-miR	13	+	94375817	94375836	CTGACCTATAGGAACTGTGG	6777
TJU_CMC.ID06782.3p-miR	13	+	94531045	94531064	CCCAGCCCTTAGAACTGTGA	6778
TJU_CMC.ID06783.5p-miR	13	+	94741394	94741415	GTACAGTAATCCAGGAGCTGCT	6779
TJU_CMC.ID06784.5p-miR	13	-	94776949	94776970	AGGGACTCTGAGATCCTTGTGA	6780
TJU_CMC.ID06785.3p-miR	13	-	95055297	95055319	ACACGTCATCCATGCACCCACTG	6781
TJU_CMC.ID06786.3p-miR	13	+	95148946	95148965	TTTTTAACTGCTAAAGCACT	6782
TJU_CMC.ID06787.5p-miR	13	+	95329904	95329926	GAGAAACCATTCCACGTGGGTGA	6783
TJU_CMC.ID06788.3p-miR	13	+	95903086	95903107	GATCAGAGCTCACTCAGATCCG	6784
TJU_CMC.ID06789.5p-miR	13	+	96421878	96421899	TCCTTTGCAAAGACAGTCAGTG	6785
TJU_CMC.ID06790.3p-miR	13	-	96564602	96564621	GCTAAAGGATATTTTGGGTT	6786

Table 1. Novel miRNA sequences

TJU_CMC.ID06791.3p-miR	13	-	97886871	97886892	CGCACATTGCCAGGGATTTCTG	6787
TJU_CMC.ID06792.5p-miR	13	-	97949713	97949734	CCCAGTCAAGTCTGATGAGATG	6788
TJU_CMC.ID06793.5p-miR	13	-	98274778	98274799	TGGCTCAGTTCAGTAGGACAGA	6789
TJU_CMC.ID06794.3p-miR	13	+	98793155	98793175	GCGCTTTCTATGATTTTTTGC	6790
TJU_CMC.ID06795.3p-miR	13	-	98793507	98793527	CAAAGTGCTATGTCATACCTC	6791
TJU_CMC.ID06796.3p-miR	13	-	99035664	99035684	AGCAGCCGGTGCACTGGAAGA	6792
TJU_CMC.ID06797.3p-miR	13	+	99200338	99200358	AGGTGCATGTGGCTTCAAATC	6793
TJU_CMC.ID06798.3p-miR	13	-	99356493	99356512	TTGCTATTTGTGATACTGGA	6794
TJU_CMC.ID06799.5p-miR	13	-	99380156	99380177	GTGAGACCCACTGCTATGGGGT	6795
TJU_CMC.ID06800.3p-miR	13	+	99653217	99653239	AGAGGCCAAGGCGCAACAGCAGA	6796
TJU_CMC.ID06801.3p-miR	13	+	99996268	99996290	TCTTATGGAGCTTAGGTCCTGTC	6797
TJU_CMC.ID06802.3p-miR	13	-	100078359	100078380	CGTGACTCTGAGCTGAGTGACC	6798
TJU_CMC.ID06803.5p-miR	13	+	100153650	100153671	AGCATGTGCAGACGGCGGTGCG	6799
TJU_CMC.ID06804.5p-miR	13	+	100315344	100315366	AAGGAATATGCTGTGATGAAAAC	6800
TJU_CMC.ID06805.5p-miR	13	+	100652841	100652863	CAAAGTGCTGGTATTGCAGACGT	6801
TJU_CMC.ID06806.5p-miR	13	-	100682923	100682942	AATCTCAAGCAATAACTTTG	6802
TJU_CMC.ID06807.5p-miR	13	-	100864883	100864883	AGGCAGATGAAGTAATCCAGA	6803
TJU_CMC.ID06808.3p-miR	13	-	101185211	101185230	AACGCAGGTGTCCTGTCTGC	6804
TJU_CMC.ID06809.5p-miR	13	-	101612583	101612605	TGGAGACACCTGATGAAACATCA	6805
TJU_CMC.ID06810.3p-miR	13	-	102530397	102530418	GCATACGTAACTCAGTGGATGG	6806
TJU_CMC.ID06811.3p-miR	13	+	102686052	102686071	GATGCAATGTCTATTCAGCA	6807
TJU_CMC.ID06812.3p-miR	13	+	103082807	103082828	CTTGCCTATCCTGGGGATGTTT	6808
TJU_CMC.ID06813.3p-miR	13	-	103154603	103154624	TTCTGATAATGACTTATGAAAA	6809
TJU_CMC.ID06814.3p-miR	13	-	103871113	103871132	GAGGGGGGACCAAAAAAACCC	6810
TJU_CMC.ID06815.3p-miR	13	+	104150031	104150052	CCTGAGTAATCCAGGATAATCT	6811
TJU_CMC.ID06816.3p-miR	13	+	104197646	104197666	CTGTAGTGGGGTACTTGTGGT	6812
TJU_CMC.ID06817.5p-miR	13	+	104870631	104870652	CTAAGTCTCAGCTACTCCACAG	6813
TJU_CMC.ID06818.3p-miR	13	+	104989826	104989845	CCATCGCCAGGCAGTACTTG	6814
TJU_CMC.ID06819.3p-miR	13	-	105167149	105167171	GGAAAGTTTTCCCAGGAAGAAAG	6815
TJU_CMC.ID06820.3p-miR	13	-	105278101	105278121	GGTTCAGTTTGCTTCACCAAT	6816
TJU_CMC.ID06821.5p-miR	13	+	105430402	105430421	GAATGGAGCATCACGAAGCT	6817

Table 1. Novel miRNA sequences

TJU_CMC.ID06822.5p-miR	13	-	105527979	105528000	CACTGCAATGTCATTATGGCAT	6818
TJU_CMC.ID06823.3p-miR	13	+	106402091	106402113	ATCAAATAGTCTGTGGCAGGAGT	6819
TJU_CMC.ID06824.3p-miR	13	-	106756736	106756757	GTCATGGGCTTGGTATGTGTTT	6820
TJU_CMC.ID06825.3p-miR	13	-	106761692	106761713	TGAGGTTCATCTGGTTTGTTGA	6821
TJU_CMC.ID06826.3p-miR	13	+	107283335	107283354	GCTCAAACATCACGACAGGC	6822
TJU_CMC.ID06827.3p-miR	13	-	107509888	107509910	GGCCTGTATCATATTCGACAGGT	6823
TJU_CMC.ID06828.5p-miR	13	-	107611963	107611982	AAAGCAAGCTGTTCTTCCCT	6824
TJU_CMC.ID06829.5p-miR	13	-	107911659	107911680	AGTTCTTCAGTGATAGATCCCT	6825
TJU_CMC.ID06830.5p-miR	13	-	108324812	108324833	TGAGGCAGGCCTGACTATAGTT	6826
TJU_CMC.ID06831.3p-miR	13	+	108385618	108385639	CAGCAGCACATTGCAAAAGCAC	6827
TJU_CMC.ID06832.5p-miR	13	+	108594158	108594177	AGCATGCTGAGAGCTACCCC	6828
TJU_CMC.ID06833.3p-miR	13	-	108679133	108679155	CATACTAAATGCAAATGTTTTGC	6829
TJU_CMC.ID06834.3p-miR	13	-	109755160	109755179	ATTTTAATGCTCTTGTTGAA	6830
TJU_CMC.ID06835.3p-miR	13	-	109797674	109797693	AGCAGCATTGCATAGGTAGC	6831
TJU_CMC.ID06836.5p-miR	13	+	109930063	109930083	AGGGAAGCCAGCTCCCACACA	6832
TJU_CMC.ID06837.5p-miR	13	+	110015721	110015742	TGGCAGCTGCTATAGCGTGGGC	6833
TJU_CMC.ID06838.5p-miR	13	-	110117863	110117883	GTCCAGTGAAGGGTCCTTGGA	6834
TJU_CMC.ID06839.5p-miR	13	+	110171860	110171882	TGAGGTTCATGGTTGTTAAGTTA	6835
TJU_CMC.ID06840.5p-miR	13	+	110509755	110509774	GATGCCAAGAAGCAACCTCC	6836
TJU_CMC.ID06841.5p-miR	13	-	110657104	110657125	CTGACCTATAGGCCACATTCAA	6837
TJU_CMC.ID06842.3p-miR	13	+	110724601	110724620	GTCGGGCACCTGCACACACT	6838
TJU_CMC.ID06843.3p-miR	13	-	110771510	110771532	CAGCCTAGCATTTTAAATTTTGA	6839
TJU_CMC.ID06844.3p-miR	13	-	110775751	110775772	TGAGTCAAACCTGGGCGGGGGT	6840
TJU_CMC.ID06845.3p-miR	13	+	110776044	110776065	CTTTCCACGGCAGTAGCTCCTG	6841
TJU_CMC.ID06846.5p-miR	13	-	110955837	110955858	TGCACTGAAAGATGACCTTCAA	6842
TJU_CMC.ID06847.3p-miR	13	+	111075450	111075469	TAAAGGTGCCGTGTGATGAA	6843
TJU_CMC.ID06848.3p-miR	13	+	111609528	111609547	AAATACTGTGGTCATATCGT	6844
TJU_CMC.ID06849.3p-miR	13	-	111672427	111672446	CGGGGGTCTGCGCCATTTGG	6845
TJU_CMC.ID06850.5p-miR	13	+	111703572	111703594	TGTGCAAACCCATGCACCCACTC	6846
TJU_CMC.ID06851.3p-miR	13	+	111767890	111767910	AAACCGTTACGTGGCTCATCA	6847
TJU_CMC.ID06852.3p-miR	13	+	111835265	111835284	TAAAATATGCTCTTGTGTGA	6848

Table 1. Novel miRNA sequences

TJU_CMC.ID06853.5p-miR	13	+	112169699	112169718	GAGGCGGGTGCCTCCGCCCT	6849
TJU_CMC.ID06854.5p-miR	13	+	112265456	112265476	AGCGGCTGTACCACCAGCCAC	6850
TJU_CMC.ID06855.5p-miR	13	+	112333586	112333605	GCCGGGGCTGGGATGCGGGC	6851
TJU_CMC.ID06856.5p-miR	13	+	112711718	112711740	CCCCTCCCCGCCCCTCGCGGCTC	6852
TJU_CMC.ID06857.5p-miR	13	-	112758164	112758185	TCCTCCTCCCCGCGCCCCCGCC	6853
TJU_CMC.ID06858.5p-miR	13	-	113054886	113054906	GCTGTGCCATTGAACTTAGCA	6854
TJU_CMC.ID06859.3p-miR	13	-	113110049	113110070	ACTGAACCCACTGGGCGTTTTA	6855
TJU_CMC.ID06860.3p-miR	13	-	113112266	113112287	AGCTCCTCGAGTGGAGAGAGTC	6856
TJU_CMC.ID06861.5p-miR	13	+	113242908	113242927	GCGCGGGCCGGTCCCCCCCG	6857
TJU_CMC.ID06862.3p-miR	13	+	113254779	113254800	ATCAACGGATTGAAACTTGAAC	6858
TJU_CMC.ID06863.5p-miR	13	-	113342862	113342884	AGCAGCACCCTTTGAAGGATCCT	6859
TJU_CMC.ID06864.5p-miR	13	-	113875575	113875596	GAGGACTCTGGGATACTCACAG	6860
TJU_CMC.ID06865.5p-miR	13	+	114265450	114265469	GACGCTGAAGCCTCTTGCTA	6861
TJU_CMC.ID06866.5p-miR	13	+	114750790	114750809	CACGTGACACCAGTATAGCA	6862
TJU_CMC.ID06867.3p-miR	13	+	114808324	114808346	CAGTCGGTCCTGCGGTGACCCTG	6863
TJU_CMC.ID06868.5p-miR	13	+	114885032	114885053	TCCCTCTCTCCAGCCAGGTGTC	6864
TJU_CMC.ID06869.3p-miR	14	-	19268179	19268198	CGACAAACTATCAGAACTTC	6865
TJU_CMC.ID06870.3p-miR	14	-	20376861	20376882	GCAGCAGCAGAGGCACACTGAC	6866
TJU_CMC.ID06871.5p-miR	14	+	20444445	20444465	CATGGCGAAGGCCCGCTCCAC	6867
TJU_CMC.ID06872.5p-miR	14	-	21054453	21054475	TGAACTGGGCTTTGAAGGATTTC	6868
TJU_CMC.ID06873.3p-miR	14	+	21272517	21272538	CACTAAGGCACTGGGCGTGGCT	6869
TJU_CMC.ID06874.5p-miR	14	+	21663916	21663936	TGGGAAGAATCCTGGGAAAGA	6870
TJU_CMC.ID06875.3p-miR	14	-	21994165	21994186	GGGTCGGTCGGGCTGGGCAGGG	6871
TJU_CMC.ID06876.5p-miR	14	+	22216734	22216754	TTGACCTCTGGCACTGTCAAT	6872
TJU_CMC.ID06877.3p-miR	14	-	22518972	22518993	ATGTTGGAGGTCAGACCTGGTG	6873
TJU_CMC.ID06878.3p-miR	14	+	22650442	22650461	ATCCATTGAAGCCTTGCTAT	6874
TJU_CMC.ID06879.3p-miR	14	+	23356283	23356302	TCGGCGGCACCTCCACACCC	6875
TJU_CMC.ID06880.5p-miR	14	+	23835062	23835083	GCGCCCAGGCGGCGGAGGGGCC	6876
TJU_CMC.ID06881.5p-miR	14	+	24002995	24003016	TGCAGACGTCACAGCGGTAGGG	6877
TJU_CMC.ID06882.5p-miR	14	+	24118183	24118203	TGCAGGAGAGACACTGAGAGT	6878
TJU_CMC.ID06883.3p-miR	14	-	24370662	24370684	ATATATATGTGAAAATGTTTTGG	6879

Table 1. Novel miRNA sequences

TJU_CMC.ID06884.5p-miR	14	+	24563402	24563421	CCCGGGGCCGAGGGAGCTGG	6880
TJU_CMC.ID06885.5p-miR	14	-	24885361	24885380	CCTCTTGCCCATGGCATGGG	6881
TJU_CMC.ID06886.5p-miR	14	+	24972195	24972216	TAGGACTCTGGGATCAGCTGTG	6882
TJU_CMC.ID06887.3p-miR	14	-	25489354	25489375	CAGTGCAATCAAAACCTTCAAG	6883
TJU_CMC.ID06888.3p-miR	14	+	25733347	25733368	GCTACTATGCCCAGCTATCCAC	6884
TJU_CMC.ID06889.5p-miR	14	-	25989013	25989032	ACTGGACTTGGAGTCAAGAC	6885
TJU_CMC.ID06890.5p-miR	14	-	26533521	26533542	TTCTAGGAGGTATATATTTGCT	6886
TJU_CMC.ID06891.5p-miR	14	-	26575072	26575091	TCTGGCCCTGCTCCCTACAG	6887
TJU_CMC.ID06892.3p-miR	14	-	27248425	27248447	TATTGCTCAGTAAAGAGGGCTAA	6888
TJU_CMC.ID06893.5p-miR	14	-	27519353	27519374	TGAGTGTTTACTAAATAAAGGT	6889
TJU_CMC.ID06894.3p-miR	14	+	27524707	27524729	TTTGCAAATCTGCATGCCCAGTG	6890
TJU_CMC.ID06895.3p-miR	14	+	28825548	28825569	CCTTGCATCTAGGCTTCTGAAT	6891
TJU_CMC.ID06896.5p-miR	14	+	28961028	28961049	ATTAGATATGGATTAGACTCAA	6892
TJU_CMC.ID06897.5p-miR	14	-	28973782	28973802	TTTTATTACTTTTGCGCATAT	6893
TJU_CMC.ID06898.5p-miR	14	-	29034330	29034350	ACTTCCAGGGGTAACAGTGGT	6894
TJU_CMC.ID06899.3p-miR	14	+	29155510	29155531	GTCTGCAAACAGAAATATTTTG	6895
TJU_CMC.ID06900.5p-miR	14	+	29279743	29279764	TAGCTGCGACCTTGTGACACAG	6896
TJU_CMC.ID06901.5p-miR	14	+	29526642	29526663	TCTTTGGATCTGAATAGCCAAT	6897
TJU_CMC.ID06902.5p-miR	14	-	30085270	30085292	AAGCTCATTTCCAGAGCGAGGTC	6898
TJU_CMC.ID06903.3p-miR	14	+	30146188	30146209	AGCTACATGTGACTAGTGGTTA	6899
TJU_CMC.ID06904.5p-miR	14	-	30225215	30225236	TTTCTCATTAGGTTTATGAAAC	6900
TJU_CMC.ID06905.3p-miR	14	+	30294154	30294175	TCAGTAGACTGAAAAGCCAGAT	6901
TJU_CMC.ID06906.5p-miR	14	-	30421438	30421459	TAAATGGAGAAAGCTGAACATA	6902
TJU_CMC.ID06907.3p-miR	14	-	30433709	30433730	TTCCCTGCCGGCAGGATAGGGG	6903
TJU_CMC.ID06908.3p-miR	14	+	31565865	31565886	GAGACTACATGCATATACATAT	6904
TJU_CMC.ID06909.5p-miR	14	+	32672551	32672571	CGCCCTTTCCTGTCCATCTTG	6905
TJU_CMC.ID06910.5p-miR	14	-	32796716	32796737	CCTTGGTTGAGGCAAGATAAGA	6906
TJU_CMC.ID06911.3p-miR	14	-	33985724	33985745	GCTAGATAGTCTGACTCTGGTT	6907
TJU_CMC.ID06912.5p-miR	14	+	34529337	34529359	CGCGGCGGGGCGCGGGGTGAAGT	6908
TJU_CMC.ID06913.5p-miR	14	-	34575349	34575370	ATCATGTGTGGTGTTCTAAGTG	6909
TJU_CMC.ID06914.5p-miR	14	-	34797689	34797708	CTGGTTCGCAGGCCACATTT	6910

Table 1. Novel miRNA sequences

TJU_CMC.ID06915.3p-miR	14	-	34802402	34802421	TGGACAAAACGCCCACCAAA	6911
TJU_CMC.ID06916.5p-miR	14	-	35402728	35402749	GGCTGGTCCGAGTGCAGTGGTT	6912
TJU_CMC.ID06917.5p-miR	14	-	35770855	35770875	TCTTTATATAGACCAGTGCTG	6913
TJU_CMC.ID06918.3p-miR	14	-	35784203	35784224	TGATGTGTGGGAGTTAGTCACT	6914
TJU_CMC.ID06919.5p-miR	14	-	36699215	36699235	ACTAGATACTTACAGGGATTG	6915
TJU_CMC.ID06920.3p-miR	14	+	37206258	37206280	ACAGCAAATCCATGCATTTGATG	6916
TJU_CMC.ID06921.5p-miR	14	-	37209269	37209288	AATGATGTCTCACTTGGCTG	6917
TJU_CMC.ID06922.3p-miR	14	-	37336229	37336250	ACTCCATCTAGAGCAGCGCTGG	6918
TJU_CMC.ID06923.3p-miR	14	+	37376901	37376920	AAGCTTATCAGACTGGATGA	6919
TJU_CMC.ID06924.5p-miR	14	-	37591801	37591822	ATGTGTACATTCAAAGCTTCCA	6920
TJU_CMC.ID06925.5p-miR	14	-	37641829	37641848	GCCGCTGCGGTGAGCCAACC	6921
TJU_CMC.ID06926.3p-miR	14	-	38067652	38067671	GGGCAGCTTCCGGGAAGGGC	6922
TJU_CMC.ID06927.3p-miR	14	-	38070861	38070882	CCCAATGGGTTTGGAAGCTCAA	6923
TJU_CMC.ID06928.5p-miR	14	-	38830651	38830672	AGACCTGCCGAACTCTTTCTGA	6924
TJU_CMC.ID06929.5p-miR	14	-	38982278	38982297	ACACGCCATGTATAGTTTGT	6925
TJU_CMC.ID06930.3p-miR	14	-	39351132	39351151	GAAGTTCAGGTTAATAAGTA	6926
TJU_CMC.ID06931.3p-miR	14	+	39787966	39787987	GTCACGTTACAATGGAAAGCAT	6927
TJU_CMC.ID06932.5p-miR	14	+	40225838	40225857	CATGCTGAGAGCTATCAACA	6928
TJU_CMC.ID06933.3p-miR	14	+	40440081	40440103	TGCTGCTAACAGTTTTACCCATA	6929
TJU_CMC.ID06934.5p-miR	14	-	40463348	40463369	TAGCAGCACGTCAAATAGCTTA	6930
TJU_CMC.ID06935.5p-miR	14	-	41203898	41203917	TACGGCTGTTGGACTGTTGT	6931
TJU_CMC.ID06936.3p-miR	14	-	41221555	41221576	GCATGGCACTCATTTACCTATG	6932
TJU_CMC.ID06937.3p-miR	14	-	41725987	41726008	TGGCTTAAGAAAAAAACCACAA	6933
TJU_CMC.ID06938.3p-miR	14	-	42333886	42333907	TATCTACCCACTGTTATGGGTT	6934
TJU_CMC.ID06939.5p-miR	14	-	42878338	42878359	GTGTCTTGAATGCTATGTCCTT	6935
TJU_CMC.ID06940.3p-miR	14	+	43123711	43123731	CTCTTGCTGCTTGGTACTCAA	6936
TJU_CMC.ID06941.3p-miR	14	-	43463466	43463486	GTTTTAATAAGACTATTGCTT	6937
TJU_CMC.ID06942.5p-miR	14	+	44093928	44093949	AAGACTAAAAGAGACTGGTGGT	6938
TJU_CMC.ID06943.5p-miR	14	-	44300232	44300252	ATCACATTTTTGACCTATTGG	6939
TJU_CMC.ID06944.3p-miR	14	+	44662654	44662675	TACACCACGGGGTATTTGTGGT	6940
TJU_CMC.ID06945.3p-miR	14	-	44765967	44765988	GAGCCCAACCCTTGCACCAGTG	6941

Table 1. Novel miRNA sequences

TJU_CMC.ID06946.3p-miR	14	+	44897952	44897972	TCTTAGGACCCGAAAGATGTC	6942
TJU_CMC.ID06947.3p-miR	14	+	44918839	44918858	CTAGGGCTGGACTGCACAGT	6943
TJU_CMC.ID06948.3p-miR	14	+	45027216	45027237	TTCTTTGCAAAGAGTACCAGTG	6944
TJU_CMC.ID06949.3p-miR	14	-	45288384	45288405	TTAGCAATGTCTGGGTGGCATA	6945
TJU_CMC.ID06950.5p-miR	14	+	45915039	45915059	ATATTAACCCCAGTTAGCTGC	6946
TJU_CMC.ID06951.3p-miR	14	+	46192256	46192277	CATGCCTGCTTTAAAAGGATAG	6947
TJU_CMC.ID06952.5p-miR	14	-	46360665	46360686	GAAAGTCTCTGGATCCTTGTGA	6948
TJU_CMC.ID06953.3p-miR	14	+	46411721	46411742	TATACTACATATGTATAGTATA	6949
TJU_CMC.ID06954.3p-miR	14	-	48407088	48407107	ATCCCACTCCTGACATCATC	6950
TJU_CMC.ID06955.3p-miR	14	+	48787914	48787935	TGTATATACAGACGTATGCATA	6951
TJU_CMC.ID06956.5p-miR	14	-	49039506	49039527	CAGCATATCATCATGGCCCGTG	6952
TJU_CMC.ID06957.3p-miR	14	-	49076890	49076911	GATGATGGTGACCTATGGATGG	6953
TJU_CMC.ID06958.5p-miR	14	+	49946100	49946122	GTCTTCTTTCTCCAGGAATCCCT	6954
TJU_CMC.ID06959.3p-miR	14	-	50069398	50069417	TCATATCAAGACTCCGTCTC	6955
TJU_CMC.ID06960.3p-miR	14	-	50540565	50540584	GGCGGTCGGGCGGCGGCAGC	6956
TJU_CMC.ID06961.3p-miR	14	-	51209517	51209536	AGGCAGTTTATGCCCTATTT	6957
TJU_CMC.ID06962.3p-miR	14	-	51296075	51296094	CCTTTTTCTGTCAGTTTAA	6958
TJU_CMC.ID06963.5p-miR	14	+	51358787	51358806	TGGGACTCTGGGATTGCATT	6959
TJU_CMC.ID06964.3p-miR	14	+	51495517	51495537	GAGCATGCTGAGAATCACCGA	6960
TJU_CMC.ID06965.3p-miR	14	+	51877008	51877029	TTTAGTCTCAAAGCCAGGAGTC	6961
TJU_CMC.ID06966.3p-miR	14	+	52392931	52392952	CATCAGTTTGACTTTATGTTTG	6962
TJU_CMC.ID06967.3p-miR	14	-	53465239	53465258	TCCCCAGTACAGAACACACA	6963
TJU_CMC.ID06968.5p-miR	14	-	54546204	54546224	GATGATGCTGTACAGGGATGG	6964
TJU_CMC.ID06969.3p-miR	14	-	54655955	54655976	TAATACTGCCTGGAAATGTAGA	6965
TJU_CMC.ID06970.5p-miR	14	+	54802269	54802290	AAATGATGTATACGTTGGGCAT	6966
TJU_CMC.ID06971.3p-miR	14	-	55108398	55108420	ACTGGACTTGGAGTCAGAAGACT	6967
TJU_CMC.ID06972.5p-miR	14	-	55224650	55224671	TGACTTGACCTGATGATGTGAC	6968
TJU_CMC.ID06973.5p-miR	14	-	55689553	55689574	TCAGCGAGTCAGGTAGAGGCTA	6969
TJU_CMC.ID06974.3p-miR	14	-	55903455	55903476	CAGCGAACAGGACGTTGGGCTG	6970
TJU_CMC.ID06975.3p-miR	14	+	56118290	56118313	CACAACCAGTTACAGATTTCTTTA	6971
TJU_CMC.ID06976.5p-miR	14	+	56289882	56289901	TAGCTTGTAATGCAGATGAG	6972

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TJU_CMC.ID06977.3p-miR	14	+	57089846	57089869	GAAATGTAAGTCATCATTATGTAA	6973
TJU_CMC.ID06978.3p-miR	14	+	57180564	57180585	TGGAGACTTTCAGGTCCTTGTC	6974
TJU_CMC.ID06979.5p-miR	14	+	57221563	57221585	TAGCAGTTTACGTTTATTGTTAT	6975
TJU_CMC.ID06980.3p-miR	14	-	57221662	57221683	AACGAATGTCTGCCTAATGATG	6976
TJU_CMC.ID06981.5p-miR	14	-	57473670	57473691	GCTACAAGGAGCTAGCTACATA	6977
TJU_CMC.ID06982.5p-miR	14	+	57520940	57520959	AACCTCGCTTCCCTACCTCC	6978
TJU_CMC.ID06983.3p-miR	14	-	58545780	58545800	CAGGTCAAAAGGGTTTCCAAA	6979
TJU_CMC.ID06984.3p-miR	14	+	58671116	58671136	AAATAAAATCGTGGAGGTGGT	6980
TJU_CMC.ID06985.5p-miR	14	-	58744173	58744195	TGAGGTATGCTGGGTGCAGTGGC	6981
TJU_CMC.ID06986.3p-miR	14	+	59112259	59112279	CGGTGGATCTGAGCTAGATGC	6982
TJU_CMC.ID06987.5p-miR	14	-	59200412	59200431	ATCACATCATTGAAAGAATC	6983
TJU_CMC.ID06988.5p-miR	14	+	59654731	59654751	CCCGCGTTCTGCCTGGTCACC	6984
TJU_CMC.ID06989.3p-miR	14	-	59670452	59670474	TAGCTTGTCATCACAGCAGGTAT	6985
TJU_CMC.ID06990.3p-miR	14	+	59748731	59748751	TTCACAGTGGCTTTCAAGGCT	6986
TJU_CMC.ID06991.3p-miR	14	+	60228985	60229006	TAAGTCATTAAACTTATAGGGA	6987
TJU_CMC.ID06992.5p-miR	14	+	60486441	60486462	TTTTATTTCTAAATTATTTATC	6988
TJU_CMC.ID06993.5p-miR	14	+	60494958	60494979	TAGAAATAGTCTGTGATGCAGA	6989
TJU_CMC.ID06994.3p-miR	14	+	60702308	60702327	TCTAAATAGTCTGACTGCCT	6990
TJU_CMC.ID06995.3p-miR	14	-	60753431	60753452	TCTAGTATCAGACTGATTATGA	6991
TJU_CMC.ID06996.5p-miR	14	+	61638129	61638149	GTGGAGTTTTCCCAGAGGAGG	6992
TJU_CMC.ID06997.3p-miR	14	+	61653465	61653484	TATGCATCAGAGGCTATTTA	6993
TJU_CMC.ID06998.5p-miR	14	-	61673930	61673949	CCACCCTGCCATATAAGCAT	6994
TJU_CMC.ID06999.3p-miR	14	+	62049068	62049090	GGAAGATTACAGACTCCAAAGAG	6995
TJU_CMC.ID07000.5p-miR	14	-	62203606	62203625	GTCGTGCTGAATAATACCAC	6996
TJU_CMC.ID07001.5p-miR	14	-	62205060	62205080	TTTGTCTAGTGCTTCCATCGG	6997
TJU_CMC.ID07002.5p-miR	14	+	62361621	62361640	TGGGGTCATGGCTTGTTGGG	6998
TJU_CMC.ID07003.5p-miR	14	+	62421797	62421818	ACCATAGCAGGATGGTATATAG	6999
TJU_CMC.ID07004.5p-miR	14	+	63175429	63175448	GGAGAATTACTCAAGAGACA	7000
TJU_CMC.ID07005.3p-miR	14	-	63442386	63442405	CTGGTTTGGAATTTTTTCTG	7001
TJU_CMC.ID07006.3p-miR	14	-	64290437	64290458	TTGCTTGAGTCTGGTATGTTGA	7002
TJU_CMC.ID07007.3p-miR	14	-	65429105	65429128	TAGCTTATCTTCTAGTACCTGGCT	7003

Table 1. Novel miRNA sequences

TJU_CMC.ID07008.5p-miR	14	+	65849052	65849073	TACTGATTTTTCTTTATTTTTG	7004
TJU_CMC.ID07009.3p-miR	14	+	66188642	66188663	TCTCAGTTTGTCAAATACTTGA	7005
TJU_CMC.ID07010.5p-miR	14	-	66704395	66704416	GACAGTCTCAAAGCCAGGTGAC	7006
TJU_CMC.ID07011.3p-miR	14	-	66949949	66949970	ATAGTGCTTATGAAATAACTTG	7007
TJU_CMC.ID07012.3p-miR	14	+	68310351	68310370	AGTGTACATAGAGGCGTTTG	7008
TJU_CMC.ID07013.3p-miR	14	+	68949722	68949743	TTGCCACAGTAGGGGAAGGGAA	7009
TJU_CMC.ID07014.3p-miR	14	-	69027977	69028000	CCCCTAAATGATCCTTAAATTTGA	7010
TJU_CMC.ID07015.3p-miR	14	-	69369883	69369904	TCCAGATAGAATGGCTACTGAG	7011
TJU_CMC.ID07016.5p-miR	14	+	70402197	70402216	TGATTAGCTTGAGCAACTTC	7012
TJU_CMC.ID07017.3p-miR	14	-	70586108	70586129	ATAGCAAAGCCCTTTCAAAGGT	7013
TJU_CMC.ID07018.5p-miR	14	-	70619571	70619591	GGCCTTGTAATGACAGCCCCC	7014
TJU_CMC.ID07019.5p-miR	14	+	70833816	70833835	TCCCCCTGCAAGAACAAAGG	7015
TJU_CMC.ID07020.3p-miR	14	+	72386952	72386973	TAGTGGTTATCACACCCAAGGC	7016
TJU_CMC.ID07021.5p-miR	14	+	73958563	73958583	CGCTGCCCGCCGCCGCGTGGT	7017
TJU_CMC.ID07022.5p-miR	14	-	74706467	74706487	CGCCCACCCCCGCGGGGCTGA	7018
TJU_CMC.ID07023.3p-miR	14	-	74853392	74853413	GAATGTCTAGGACTTTCCACCT	7019
TJU_CMC.ID07024.3p-miR	14	+	74859124	74859145	TCGAGGAGCTCACAGTAGAATA	7020
TJU_CMC.ID07025.3p-miR	14	-	75099218	75099238	CGATTGGATGGTTTAGTTATA	7021
TJU_CMC.ID07026.3p-miR	14	-	76024968	76024989	TGAGTCACCACTGGGGGTTTTG	7022
TJU_CMC.ID07027.5p-miR	14	-	76782088	76782110	AAGCTGCATGTCTTGCTGACACA	7023
TJU_CMC.ID07028.5p-miR	14	+	77198730	77198750	CATTAGCCAGCAGGCACCTGT	7024
TJU_CMC.ID07029.5p-miR	14	+	77348566	77348586	TAGCACCAGAGTCACGATGTT	7025
TJU_CMC.ID07030.3p-miR	14	+	77815283	77815302	ATTTTAATGCTCTTCAACCC	7026
TJU_CMC.ID07031.3p-miR	14	-	77932518	77932539	CAACGTTAGTCTGGGCAACATA	7027
TJU_CMC.ID07032.3p-miR	14	-	77946690	77946709	CTCCCTCAGATCAGAAGTGG	7028
TJU_CMC.ID07033.5p-miR	14	+	77948989	77949010	CCTCCACCACCTTGATGGTCAC	7029
TJU_CMC.ID07034.5p-miR	14	-	78196297	78196316	AGGTGTCAGAATAGTTAGGG	7030
TJU_CMC.ID07035.3p-miR	14	-	78318535	78318554	GCCTAGACAATAAGGTGACA	7031
TJU_CMC.ID07036.5p-miR	14	+	78347066	78347088	AGCAGCAATGTGCAGGAAGCACT	7032
TJU_CMC.ID07037.5p-miR	14	-	78816052	78816073	GTCTATGAAGCACTTGCTAGTC	7033
TJU_CMC.ID07038.3p-miR	14	+	79207535	79207557	CTCCAGAAAATCCAGGAATCCTC	7034

Table 1. Novel miRNA sequences

TJU_CMC.ID07039.3p-miR	14	-	79384170	79384189	GCATCCCACCAAGTCAGGTG	7035
TJU_CMC.ID07040.5p-miR	14	+	79806662	79806683	TCGATTTGTAATATTTGACAAC	7036
TJU_CMC.ID07041.3p-miR	14	+	80173373	80173394	CTAATGGCTGAGTATATTGTGT	7037
TJU_CMC.ID07042.5p-miR	14	+	80461635	80461655	GTCAGTTTGTCAAATACCTGG	7038
TJU_CMC.ID07043.3p-miR	14	-	80545314	80545333	CAAGGATTGGGTCTAAGATC	7039
TJU_CMC.ID07044.5p-miR	14	+	80677697	80677719	AGCAGCACCACGTGCTTGAGCAG	7040
TJU_CMC.ID07045.3p-miR	14	-	81152732	81152753	TGCAAGGCAGGCCAGTGGTGAC	7041
TJU_CMC.ID07046.3p-miR	14	-	81157702	81157721	GAAATTTGGGATTACCCATT	7042
TJU_CMC.ID07047.3p-miR	14	-	81912252	81912271	GCTCCGAGGTGAAAAAATGG	7043
TJU_CMC.ID07048.3p-miR	14	-	82029724	82029743	CTTATCTGAGGGGGGGTCACA	7044
TJU_CMC.ID07049.3p-miR	14	+	83022727	83022749	TATCATGAGGTCTTTAGTTTTGC	7045
TJU_CMC.ID07050.5p-miR	14	+	83116747	83116767	ACAGCTGTTTTCCTATAGATG	7046
TJU_CMC.ID07051.3p-miR	14	+	83170624	83170645	TATCATTGGGTCTTTCGTTTTG	7047
TJU_CMC.ID07052.5p-miR	14	+	83313724	83313746	GGTGTAATAGCCAAATTTGCCTT	7048
TJU_CMC.ID07053.3p-miR	14	+	83544543	83544565	AAGTATTTAGGTCATGAAGTCAG	7049
TJU_CMC.ID07054.3p-miR	14	+	83664136	83664158	AATGATGTTGTATGAAAAGCACA	7050
TJU_CMC.ID07055.5p-miR	14	-	83756221	83756244	TGTGCAAATCTGCATTGCTCAGTC	7051
TJU_CMC.ID07056.5p-miR	14	+	83942805	83942828	CAGGAGAATCGCCACCTGGGAGGT	7052
TJU_CMC.ID07057.3p-miR	14	+	85426747	85426768	ATCTACATTGTAGTAGAAACTG	7053
TJU_CMC.ID07058.5p-miR	14	+	86130783	86130805	TGCTCTGGACGACTTATGGGACC	7054
TJU_CMC.ID07059.5p-miR	14	+	86212529	86212550	GCTGAATAGAATATTATTATTT	7055
TJU_CMC.ID07060.3p-miR	14	+	86663019	86663038	CAAGAACTGCTAACTCAACA	7056
TJU_CMC.ID07061.3p-miR	14	-	86919882	86919901	CTGACCTAGTCCGGTTGTGT	7057
TJU_CMC.ID07062.5p-miR	14	-	87136588	87136609	GGCACATTGCCGAAAGCTGAAC	7058
TJU_CMC.ID07063.5p-miR	14	+	87466788	87466807	CAGAGGATACTTAACTGTCT	7059
TJU_CMC.ID07064.5p-miR	14	+	87994045	87994066	TTGGGTCATGGACCACCATCTT	7060
TJU_CMC.ID07065.5p-miR	14	+	88469520	88469541	TGACTGGTCAGAAATGCCAACC	7061
TJU_CMC.ID07066.5p-miR	14	+	88487680	88487701	GCAGACCACCAGATCACCAATT	7062
TJU_CMC.ID07067.3p-miR	14	-	88630182	88630203	CCATGGCCACTCAAATACTATG	7063
TJU_CMC.ID07068.3p-miR	14	-	89115617	89115637	AAGGCCGAAGTGAGAGGATTG	7064
TJU_CMC.ID07069.3p-miR	14	+	89302254	89302275	TTCACATTGCCAGGAGCAGTTC	7065

Table 1. Novel miRNA sequences

TJU_CMC.ID07070.3p-miR	14	-	89451370	89451392	AGTGCAAATCCATGCAAAGGGAG	7066
TJU_CMC.ID07071.5p-miR	14	-	89515550	89515572	ATAGTTGGGTCTTTTATGTTTGT	7067
TJU_CMC.ID07072.3p-miR	14	+	89981136	89981157	CCATGTATCTATCTGTCGCACT	7068
TJU_CMC.ID07073.3p-miR	14	+	90163688	90163709	ATCACAGGGCCTCCCTAATGGT	7069
TJU_CMC.ID07074.5p-miR	14	+	90604226	90604246	TTCCACTGTTAGCCTGGCAAG	7070
TJU_CMC.ID07075.3p-miR	14	+	90869425	90869445	TGACACTGTTAGTCTGGAGTG	7071
TJU_CMC.ID07076.3p-miR	14	+	90920847	90920867	CAATGAAGGTGAAGGCCGAGC	7072
TJU_CMC.ID07077.5p-miR	14	-	90979970	90979991	AGCTGCTCATGCCCCAGGTAGC	7073
TJU_CMC.ID07078.3p-miR	14	-	91036055	91036076	AGGCATGTCTAGGCTCAGGTGT	7074
TJU_CMC.ID07079.3p-miR	14	+	91310855	91310874	CTGTGGTGATCAGTGGTCCA	7075
TJU_CMC.ID07080.3p-miR	14	-	91373236	91373258	AGCAGCAAACATTGAAGCAGGTA	7076
TJU_CMC.ID07081.3p-miR	14	+	91641710	91641730	TGCATAACCGACAACATTAGA	7077
TJU_CMC.ID07082.5p-miR	14	-	92084053	92084075	CGAATGCTTGAAATACCACTACT	7078
TJU_CMC.ID07083.5p-miR	14	+	92742700	92742722	GCTTTAAATAACAAGATTATTAT	7079
TJU_CMC.ID07084.5p-miR	14	+	92817284	92817306	CTTCCTCTCTTTCTGCCTTGTGA	7080
TJU_CMC.ID07085.5p-miR	14	-	92855277	92855298	TAGAGCAAACTCAACGCAAAGT	7081
TJU_CMC.ID07086.3p-miR	14	+	93361141	93361160	CCCATAAAGTAGGGGACTGA	7082
TJU_CMC.ID07087.5p-miR	14	-	93388515	93388534	CCCTTATTTCTGGGGCCCCT	7083
TJU_CMC.ID07088.5p-miR	14	-	93466941	93466962	AGAGCCTGTTTCTGTAGGTGAC	7084
TJU_CMC.ID07089.5p-miR	14	-	93491664	93491683	CAACTAAAGTAGAAAGACAG	7085
TJU_CMC.ID07090.5p-miR	14	+	93680932	93680954	ATCCTTATACAGTAATACAACTG	7086
TJU_CMC.ID07091.5p-miR	14	+	93951263	93951285	GGGAGAGTATGGATTTGTTGGAA	7087
TJU_CMC.ID07092.3p-miR	14	+	94069738	94069758	TCCCTGAGACCCTGACCTCCA	7088
TJU_CMC.ID07093.5p-miR	14	+	94439827	94439846	CCCTGTTGCAATGATGAGCA	7089
TJU_CMC.ID07094.5p-miR	14	+	94474228	94474248	TGGCTCAGTTCAGAAGGACTT	7090
TJU_CMC.ID07095.5p-miR	14	+	94515746	94515765	CCCTCCTATTCCGGTCACTG	7091
TJU_CMC.ID07096.5p-miR	14	+	94829716	94829737	TCTCTGGGTGACCCGCACTTGG	7092
TJU_CMC.ID07097.5p-miR	14	-	95053904	95053926	AGGCTCATGGAGATGCTCACAGG	7093
TJU_CMC.ID07098.5p-miR	14	-	95113733	95113754	TGCCCTGCAGGCCACACCAACT	7094
TJU_CMC.ID07099.5p-miR	14	-	95261474	95261496	TATAGGCTTGAGCCAGCACCCTG	7095
TJU_CMC.ID07100.5p-miR	14	+	95602749	95602770	CGATCACTCAGGCTGAGTGCAG	7096

Table 1. Novel miRNA sequences

TJU_CMC.ID07101.3p-miR	14	+	95756581	95756604	GGGTGGTGGTGCTTTGTGACTCTG	7097
TJU_CMC.ID07102.3p-miR	14	+	95959568	95959588	CGTTCCATTTACTGAGCAGGT	7098
TJU_CMC.ID07103.3p-miR	14	-	96092783	96092805	GCTACACATCCAGGACTGACACC	7099
TJU_CMC.ID07104.5p-miR	14	-	96195002	96195022	TGAGCTGGGATTAGACATGAT	7100
TJU_CMC.ID07105.3p-miR	14	-	96252998	96253017	TCAAGTATCAAAGCACTTGG	7101
TJU_CMC.ID07106.5p-miR	14	+	96386175	96386197	TTGAGATGGTGAGTTTATGGGTG	7102
TJU_CMC.ID07107.5p-miR	14	+	97454122	97454143	CTGGAGAGAGTGATGTCCACAG	7103
TJU_CMC.ID07108.5p-miR	14	+	97530280	97530299	GGAGTAATGCTCTTGTTGCC	7104
TJU_CMC.ID07109.3p-miR	14	-	97647194	97647215	CCCGTGGACGGTGTGCTGCCCC	7105
TJU_CMC.ID07110.5p-miR	14	+	98627855	98627876	ATGAAATCTTACGGATCTGCAT	7106
TJU_CMC.ID07111.5p-miR	14	-	98749952	98749973	GTAGTCATTCAGTTATGTTTTG	7107
TJU_CMC.ID07112.3p-miR	14	+	98790213	98790232	CCACTGTGGACTCATCAAGA	7108
TJU_CMC.ID07113.5p-miR	14	+	99072565	99072586	ACAGCAGGTCATCGTCAGAGCC	7109
TJU_CMC.ID07114.3p-miR	14	+	99161318	99161337	CCATGGTCCATATTGCCCAG	7110
TJU_CMC.ID07115.5p-miR	14	+	99270407	99270429	GTGACTGTTTAGACCATACCCAC	7111
TJU_CMC.ID07116.3p-miR	14	-	99502638	99502657	TGGCTCAGTTCAGCCGGGCC	7112
TJU_CMC.ID07117.5p-miR	14	+	99508959	99508978	TGGAGCAGGGGAGCAAGGGG	7113
TJU_CMC.ID07118.3p-miR	14	-	99546669	99546690	TGGTAAGGCTCTGGGATGGGGT	7114
TJU_CMC.ID07119.5p-miR	14	-	99738393	99738414	CCCGCTCCCCCCGGGCCCGCGG	7115
TJU_CMC.ID07120.3p-miR	14	+	99988831	99988854	GAATGAATGAATGAAGAAGA	7116
TJU_CMC.ID07121.3p-miR	14	-	99989469	99989491	ACAGCCTGCTGATTTATGGGACA	7117
TJU_CMC.ID07122.5p-miR	14	+	100165840	100165863	AGATGTACCGTGCGCTCCAGACTG	7118
TJU_CMC.ID07123.5p-miR	14	+	100219383	100219404	AGTTTCCCTCAGGATAGCCATA	7119
TJU_CMC.ID07124.5p-miR	14	+	100234692	100234712	CCGCTGTCTGAGCTGGGGTGG	7120
TJU_CMC.ID07125.5p-miR	14	-	100263439	100263461	GGCGATGGGGGAACATGGAGTGA	7121
TJU_CMC.ID07126.3p-miR	14	-	100323939	100323960	ATGATGTAGACTAGCAGTTGCC	7122
TJU_CMC.ID07127.3p-miR	14	+	100902596	100902615	ACAAGCAGTGGGAGCCGGGA	7123
TJU_CMC.ID07128.5p-miR	14	-	100935452	100935473	AGGCAAGATGCTGGCCTGAGGG	7124
TJU_CMC.ID07129.3p-miR	14	-	100991327	100991348	GCATAAACAGTTCAGTCCCTGG	7125
TJU_CMC.ID07130.3p-miR	14	-	101144371	101144393	CAGCCAGGCCTCCTAACCCTCCA	7126
TJU_CMC.ID07131.5p-miR	14	+	101239294	101239313	GAAGCGGCTGTGCAGACAGG	7127

Table 1. Novel miRNA sequences

TJU_CMC.ID07132.3p-miR	14	+	101469311	101469331	TGAGGTTTGCTTGGTGCCTGG	7128
TJU_CMC.ID07133.5p-miR	14	+	101498336	101498357	AGTTGCCCGTGTTTTTTTCGCT	7129
TJU_CMC.ID07134.5p-miR	14	+	101512106	101512126	CTGACCTATGGGCACACAGCT	7130
TJU_CMC.ID07135.3p-miR	14	+	101820990	101821009	CACAAGACATGGTTCCCCTC	7131
TJU_CMC.ID07136.3p-miR	14	-	102030056	102030075	CCCCTTGCCTCTCCCGCCGC	7132
TJU_CMC.ID07137.5p-miR	14	-	102050913	102050932	CCCAGCCCGTGGACGGCGCC	7133
TJU_CMC.ID07138.3p-miR	14	-	102122282	102122303	TGTCATGAACAGTAATATTTTG	7134
TJU_CMC.ID07139.5p-miR	14	+	102172253	102172272	CCGTCCTCCTCGCCCTCCCT	7135
TJU_CMC.ID07140.3p-miR	14	-	102488473	102488494	CGCGATCTTACTTACTTACTTA	7136
TJU_CMC.ID07141.5p-miR	14	+	102546185	102546205	ATCCATCTTCTTGGTGGTACA	7137
TJU_CMC.ID07142.5p-miR	14	-	102583794	102583816	TAGCTCATCTCTGCAGCTGGTCA	7138
TJU_CMC.ID07143.3p-miR	14	-	102682214	102682233	GCGCTGCTCAGATCAGCTAC	7139
TJU_CMC.ID07144.3p-miR	14	-	102706661	102706680	TCCCGGGTTTCGGCACCAAA	7140
TJU_CMC.ID07145.3p-miR	14	+	103092964	103092985	TGCAGCTGCTGGAAAAGCAGCT	7141
TJU_CMC.ID07146.3p-miR	14	+	103495133	103495154	TATTTGTATTTTATCTTTTATT	7142
TJU_CMC.ID07147.3p-miR	14	+	103537304	103537324	CTGTCACCACCCATGTACCAC	7143
TJU_CMC.ID07148.5p-miR	14	-	103572006	103572028	ACAGAGACCCAGACCTCACCCCA	7144
TJU_CMC.ID07149.5p-miR	14	-	103574861	103574882	AGCTAGTGGAAGCAGGTGGGGT	7145
TJU_CMC.ID07150.3p-miR	14	-	103574924	103574946	GCAGTCAGGTCTGGGCTGGGGTT	7146
TJU_CMC.ID07151.5p-miR	14	+	103607961	103607980	GTGCCAATGGTTACTGTAGC	7147
TJU_CMC.ID07152.3p-miR	14	+	103732750	103732772	AATCTACCCACGTGGCCTCCCAA	7148
TJU_CMC.ID07153.5p-miR	14	-	103920095	103920116	GAGAAAGCACCTTGTACACTGT	7149
TJU_CMC.ID07154.5p-miR	14	+	104583768	104583789	AGTGGTTCTTAACAGTTCAACA	7150
TJU_CMC.ID07155.3p-miR	14	-	104696354	104696375	TGTCAGTGACAGTTCGCACCCT	7151
TJU_CMC.ID07156.3p-miR	14	+	104736026	104736048	TGCTTGCTGCTTGGGTGTGGTTG	7152
TJU_CMC.ID07157.3p-miR	14	+	104767012	104767033	TCAGTCCCCAGACCCGTGGGGT	7153
TJU_CMC.ID07158.5p-miR	14	-	104840873	104840892	AGCTCCACCGCCCCTGCAAC	7154

Table 1. Novel miRNA sequences

TJU_CMC.ID07159.5p-miR	14	+	104888562	104888581	GGGACCGTGTCATTGCCGTT	7155
TJU_CMC.ID07160.5p-miR	14	+	104925064	104925083	GTGGGGAAGGATCATTAATC	7156
TJU_CMC.ID07161.5p-miR	14	-	105023963	105023984	CCCAGTCAAGTCTGAGTTCACC	7157
TJU_CMC.ID07162.3p-miR	14	+	105262099	105262118	CTCCCCGCCCCCGCGCCCGCC	7158
TJU_CMC.ID07163.3p-miR	14	+	105302812	105302831	TTGTAGTCTCCGATAGCAAA	7159
TJU_CMC.ID07164.3p-miR	14	+	105461613	105461634	TCCTCAGAGCCTCGCAGGTGCC	7160
TJU_CMC.ID07165.3p-miR	14	+	105635275	105635295	GGGCGCCCGGGCGGCGGGGGC	7161
TJU_CMC.ID07166.5p-miR	14	+	105636078	105636099	AGCTAGGGGTCACCTTGGTGGT	7162
TJU_CMC.ID07167.5p-miR	14	-	105998150	105998169	CAGAGCAGGATGTCAGGAGC	7163
TJU_CMC.ID07168.3p-miR	14	-	106124538	106124559	TACCTGCGTAGGCTGGTGTGCT	7164
TJU_CMC.ID07169.3p-miR	14	+	107007482	107007503	GAGCCCAACCCTTGTATCAGTG	7165
TJU_CMC.ID07170.3p-miR	15	+	2243465 5	22434676	TCCCTGAGACAAGGACACCTGT	7166
TJU_CMC.ID07171.3p-miR	15	-	24001323	24001343	TATTCCTTAATTACAGCAGGT	7167
TJU_CMC.ID07172.5p-miR	15	-	24213360	24213379	GTAGTTGAATCGGGTACACT	7168
TJU_CMC.ID07173.5p-miR	15	-	24357190	24357212	ATCGTTACGTAGTTAGCACCAGA	7169
TJU_CMC.ID07174.5p-miR	15	+	24865222	24865243	TAAGTGTGTTTCTGTAGTGACT	7170
TJU_CMC.ID07175.3p-miR	15	-	24921046	24921067	GGCAGGGGCCGGCGGCGGCACC	7171
TJU_CMC.ID07176.3p-miR	15	+	25277632	25277653	GTGCTGTGGGAAGCAGCCTACG	7172
TJU_CMC.ID07177.3p-miR	15	+	25327916	25327937	GATCGATGATGACTTTCATACA	7173
TJU_CMC.ID07178.5p-miR	15	-	25402823	25402842	TGGCAGCACAGTACGCGATG	7174
TJU_CMC.ID07179.3p-miR	15	-	25468068	25468090	TGACTCATCACTGACGCAGGGCA	7175
TJU_CMC.ID07180.5p-miR	15	+	25471769	25471790	CAGTGCAGCACTGGGGTCATGC	7176
TJU_CMC.ID07181.5p-miR	15	+	26257143	26257165	TGGCTCGCTGATGGTGCAGGTCA	7177
TJU_CMC.ID07182.3p-miR	15	-	26711740	26711761	CAGGAATAGTCTGACTTCTTCT	7178
TJU_CMC.ID07183.5p-miR	15	-	26815550	26815571	GCCAGGAGGGCGAGGCCCGCGA	7179
TJU_CMC.ID07184.5p-miR	15	-	27104467	27104490	GGCCCGTTGGTGAAATCCAGCCAT	7180
TJU_CMC.ID07185.5p-miR	15	-	27137567	27137586	CCCCCCACTGCTGGGCCCCC	7181
TJU_CMC.ID07186.5p-miR	15	+	27243910	27243932	AGCATAGAGTATCAGATTCGAGT	7182
TJU_CMC.ID07187.5p-miR	15	+	27305654	27305675	TCCCTGAGACTTCGAGAATGTC	7183
TJU_CMC.ID07188.3p-miR	15	-	27445223	27445242	GAGGCAAAGCTTTAGGATTC	7184
TJU_CMC.ID07189.5p-miR	15	+	27645867	27645887	GAGCTTATCAGACTGAGAGGA	7185

Table 1. Novel miRNA sequences

TJU_CMC.ID07190.5p-miR	15	+	27666611	27666630	CTGAGTATTCTAAGGCGTCC	7186
TJU_CMC.ID07191.5p-miR	15	+	27834354	27834375	AAGGCGGCAGGGGTTGCATCGA	7187
TJU_CMC.ID07192.5p-miR	15	-	27997267	27997289	TGCCTGAGCTTGCATGAGGAGCT	7188
TJU_CMC.ID07193.3p-miR	15	-	28195780	28195803	TGTATGTGCTTTTGACTGGAGTTC	7189
TJU_CMC.ID07194.3p-miR	15	-	28520097	28520116	CCAGAGTGGGATCCCGAGCG	7190
TJU_CMC.ID07195.5p-miR	15	+	29099063	29099085	CTCTTTGGAAAGCACGGGTCACA	7191
TJU_CMC.ID07196.3p-miR	15	-	29626516	29626537	TCGCGTAGTCTCCGATGGAAGG	7192
TJU_CMC.ID07197.5p-miR	15	+	29670323	29670343	GTTCAAGTCCTAGCTCATTAC	7193
TJU_CMC.ID07198.5p-miR	15	+	30081079	30081098	GCAGCAGGAGAGGTGAACAC	7194
TJU_CMC.ID07199.5p-miR	15	-	30081139	30081160	TAGTCACAAGTCTGATGCTTAT	7195
TJU_CMC.ID07200.5p-miR	15	+	30133326	30133345	GACTGGATAAGGCTGACAAC	7196
TJU_CMC.ID07201.5p-miR	15	-	31390635	31390657	GTATTATTATTATTTTTGTGTGT	7197
TJU_CMC.ID07202.3p-miR	15	+	31684224	31684245	TTCACTGCCTCCGAAGCGAGCG	7198
TJU_CMC.ID07203.5p-miR	15	-	31779712	31779734	CTGCCTCTGCACTTTGCAGTGGA	7199
TJU_CMC.ID07204.5p-miR	15	+	31805663	31805684	TTCCTGCTCAGGATCAGGTGCT	7200
TJU_CMC.ID07205.5p-miR	15	+	31843042	31843064	TGGGAGTGTTCAGCAGGTGTCTG	7201
TJU_CMC.ID07206.5p-miR	15	-	32064712	32064734	TGCAGCAAACTTTGGGAATCCCT	7202
TJU_CMC.ID07207.3p-miR	15	-	32154480	32154499	CTGTGCATAAGAATAACAGG	7203
TJU_CMC.ID07208.5p-miR	15	-	33654308	33654327	AAGGGTGCTGTGTTATTTAC	7204
TJU_CMC.ID07209.3p-miR	15	+	33919109	33919129	TAAACGGGTGGGGTCCTCATG	7205
TJU_CMC.ID07210.3p-miR	15	+	33991687	33991708	AGGATGATTGGGATTCTTGTTT	7206
TJU_CMC.ID07211.5p-miR	15	+	35078954	35078975	TCAGGACCTGTCAAATCAAAAC	7207
TJU_CMC.ID07212.3p-miR	15	+	36758911	36758931	CCAGGCCAGTAGAAAGGTGAT	7208
TJU_CMC.ID07213.3p-miR	15	+	36803344	36803364	ATCTGATTGCCAGGGATACCC	7209
TJU_CMC.ID07214.3p-miR	15	-	37034839	37034859	CAGGCAAACCAACAACAGGAA	7210
TJU_CMC.ID07215.5p-miR	15	+	37181008	37181028	GTCCAGTCCCTTTGAAGGAAG	7211
TJU_CMC.ID07216.3p-miR	15	-	38324448	38324467	AAAGCAATTGTCTGCTGGGA	7212
TJU_CMC.ID07217.5p-miR	15	-	38344276	38344298	TACAGTGGCTTGCATGGAGTGAG	7213
TJU_CMC.ID07218.3p-miR	15	-	38348426	38348445	TGATGATGTGCTGCAACCAT	7214
TJU_CMC.ID07219.3p-miR	15	+	38591328	38591350	TGAGGTAGTAGTTTTGTAGTCTT	7215
TJU_CMC.ID07220.5p-miR	15	-	38842400	38842419	GAGTATGGTGGCATGATCTG	7216

Table 1. Novel miRNA sequences

TJU_CMC.ID07221.5p-miR	15	-	39455093	39455116	ATCTCATGTAAAGGGATTTCCATT	7217
TJU_CMC.ID07222.3p-miR	15	-	39463576	39463595	TAGTGGGTTATCAGAAGAAA	7218
TJU_CMC.ID07223.3p-miR	15	-	39544477	39544499	TGGCTCTTAAGTGCAGGAACAGA	7219
TJU_CMC.ID07224.5p-miR	15	+	39748618	39748639	TCCCACATGGAGATTATGGCTT	7220
TJU_CMC.ID07225.5p-miR	15	-	39943477	39943498	TTCATCATTTCCAGAGTCTTAG	7221
TJU_CMC.ID07226.5p-miR	15	-	39971544	39971566	TGTCAGTTTGTCGGCGCAACAGG	7222
TJU_CMC.ID07227.3p-miR	15	+	40593704	40593724	TGGCAGCTTCCGCCTTTGGTT	7223
TJU_CMC.ID07228.3p-miR	15	+	40832147	40832166	GCCCAGGTGGTGAAATGGGC	7224
TJU_CMC.ID07229.3p-miR	15	+	41191669	41191688	GCTTTGTTATTGCCACCACT	7225
TJU_CMC.ID07230.5p-miR	15	-	42161206	42161227	CAGTGCAATGTCAAATACCAGG	7226
TJU_CMC.ID07231.5p-miR	15	+	42264448	42264470	TGACGGTACCTGATGAAGGTGGT	7227
TJU_CMC.ID07232.3p-miR	15	-	42324620	42324643	TCCTGCTCATGCCCCTCCCAGGCC	7228
TJU_CMC.ID07233.5p-miR	15	-	42362758	42362778	GCTCCTGCCAGGGTCCTTAGG	7229
TJU_CMC.ID07234.5p-miR	15	-	42521857	42521878	TCCTCTTAATTCAGGATAGTGC	7230
TJU_CMC.ID07235.5p-miR	15	+	42638106	42638127	CAGACTGGGTGGTTTTACCCAA	7231
TJU_CMC.ID07236.5p-miR	15	-	42638933	42638952	TGGGCCCAGGATTACAACTG	7232
TJU_CMC.ID07237.5p-miR	15	-	43454892	43454913	TTACCGCTGTAATCCCAACACT	7233
TJU_CMC.ID07238.3p-miR	15	-	43576672	43576691	ATCCAGTTTTCCCAGAAGTC	7234
TJU_CMC.ID07239.5p-miR	15	-	43712520	43712541	AAGTGACGGCCCTCTCGGAGGA	7235
TJU_CMC.ID07240.3p-miR	15	+	43791992	43792014	CATGGTGGTGGTGGAGAGAGAGC	7236
TJU_CMC.ID07241.5p-miR	15	-	44159498	44159519	GATCCCAACCCGGTGCTTGGGA	7237
TJU_CMC.ID07242.5p-miR	15	-	44312642	44312661	AGGAGCAGGAACTCTGTCTT	7238
TJU_CMC.ID07243.5p-miR	15	-	44422625	44422646	CTTTACTAGTGAGCCAGGTGTC	7239
TJU_CMC.ID07244.3p-miR	15	+	45415257	45415279	AGACATTTATTGCATGCCCTCAA	7240
TJU_CMC.ID07245.5p-miR	15	+	45725259	45725280	TGGAAACATTTCTGCACAAACT	7241
TJU_CMC.ID07246.5p-miR	15	+	47300628	47300648	GGGGGTACCCGAAGCCTAGTA	7242
TJU_CMC.ID07247.5p-miR	15	+	47455121	47455142	TGGCAGTGTCTTAAAGTTGGTG	7243
TJU_CMC.ID07248.5p-miR	15	-	47505154	47505175	TGAGACAGGAATAGTGCTAGAG	7244
TJU_CMC.ID07249.3p-miR	15	+	48034047	48034067	TCGAGGAGCTCACAGTCTAAA	7245

Table 1. Novel miRNA sequences

TJU_CMC.ID07250.3p-miR	15	-	48472549	48472569	ATGGAATGGTAAAGATTAATC	7246
TJU_CMC.ID07251.5p-miR	15	-	48798830	48798850	AACAACATGGCTTCTCTGTTC	7247
TJU_CMC.ID07252.3p-miR	15	+	49308824	49308846	AGCAGCTAACATGTCCCCTAAAT	7248
TJU_CMC.ID07253.3p-miR	15	+	49352495	49352516	TAATGTTGCCCAGGCGGTCTCA	7249
TJU_CMC.ID07254.5p-miR	15	-	49676121	49676142	TCCTCATTCAAAGCCAGGTGTC	7250
TJU_CMC.ID07255.5p-miR	15	-	49974815	49974834	CCTTGAAGATAGAGGGACAG	7251
TJU_CMC.ID07256.3p-miR	15	-	50641253	50641275	TGGATTTTTGGAATTGAAGATAA	7252
TJU_CMC.ID07257.5p-miR	15	+	51004629	51004649	TTACACTGTTAGCCTAAGAGA	7253
TJU_CMC.ID07258.3p-miR	15	+	51296850	51296871	TTCTGACCCACTAAATAAAAAG	7254
TJU_CMC.ID07259.3p-miR	15	+	51511075	51511094	TAACCAGTGAGTTGCCAGTT	7255
TJU_CMC.ID07260.5p-miR	15	+	52004712	52004731	TAGCGGAAGCTAAGCAGATC	7256
TJU_CMC.ID07261.5p-miR	15	+	52470485	52470505	TGACCTATGAATACTTTTCAC	7257
TJU_CMC.ID07262.3p-miR	15	-	52967513	52967533	CAATTCTGCTCCCTACAGCCT	7258
TJU_CMC.ID07263.3p-miR	15	-	52982778	52982799	TCTACTTAACAGTTTATGGTTT	7259
TJU_CMC.ID07264.5p-miR	15	+	53080939	53080960	CCTTATCTCCCGCGCGCCCAGC	7260
TJU_CMC.ID07265.5p-miR	15	-	53209230	53209249	TTTGGCACACAATAAATGAT	7261
TJU_CMC.ID07266.3p-miR	15	+	53898384	53898403	AACAACTATCAAAGATCTTC	7262
TJU_CMC.ID07267.5p-miR	15	+	55324693	55324713	TAGCAGCACGTAAGGCAACAG	7263
TJU_CMC.ID07268.5p-miR	15	-	55387019	55387039	CAGCTGCATCTGAAATCGGAA	7264
TJU_CMC.ID07269.3p-miR	15	+	55529929	55529948	CAGATAACAATACCGATCCT	7265
TJU_CMC.ID07270.3p-miR	15	+	55530782	55530804	ACTGGGTACTTAACTGTTGGCTC	7266
TJU_CMC.ID07271.3p-miR	15	-	56117747	56117768	AGGAGCTCTGTAGTTAGGTGGA	7267
TJU_CMC.ID07272.3p-miR	15	+	56460443	56460465	TTGTCTGCCTCATAGTAATTAAT	7268
TJU_CMC.ID07273.5p-miR	15	+	56962792	56962813	ATGGGCATCTAGGCTGATTGCA	7269
TJU_CMC.ID07274.3p-miR	15	-	57112168	57112189	TGAGAAAGGATGTCTGCTAGAG	7270
TJU_CMC.ID07275.5p-miR	15	-	57176194	57176213	GAAAACTGCAAGAACACATC	7271
TJU_CMC.ID07276.5p-miR	15	+	57548421	57548442	TAGTCTGCCACTGACTATCCCC	7272
TJU_CMC.ID07277.3p-miR	15	+	58292999	58293020	TCTACATGCTCTCAGCTGAGGC	7273
TJU_CMC.ID07278.5p-miR	15	+	58351955	58351976	GGAAAACCCTCCCAGGAATCCC	7274
TJU_CMC.ID07279.5p-miR	15	+	58578998	58579019	TCTGAGTAATTCAGGCTAGGTT	7275
TJU_CMC.ID07280.3p-miR	15	+	58822485	58822506	TCCCTGAGACCCTGCTCCATGA	7276

Table 1. Novel miRNA sequences

TJU_CMC.ID07281.5p-miR	15	-	59945856	59945877	TGAGAGTCATCACCAGATAGTA	7277
TJU_CMC.ID07282.3p-miR	15	-	60066253	60066272	GCAATACCAAGGAAACCAGC	7278
TJU_CMC.ID07283.3p-miR	15	-	60692539	60692561	GCTAGGCGCTAGTAGGTGTTGAG	7279
TJU_CMC.ID07284.3p-miR	15	+	61070217	61070236	AGTGTATAGACTCAATTGAC	7280
TJU_CMC.ID07285.5p-miR	15	-	61437574	61437593	CACTGGATACTTAACCTGTG	7281
TJU_CMC.ID07286.5p-miR	15	+	61445203	61445223	TGAACTGGCCTTTGAAGGGTG	7282
TJU_CMC.ID07287.3p-miR	15	+	61709097	61709116	GGTGGGCAGTAGTGGGTGGT	7283
TJU_CMC.ID07288.5p-miR	15	-	62035010	62035029	GTATAGGGAGTCTAGTTTGT	7284
TJU_CMC.ID07289.3p-miR	15	-	62094637	62094656	AGTCAAGCAAGGCCAGTGTT	7285
TJU_CMC.ID07290.5p-miR	15	-	62184329	62184350	TCTCTTCCTAAAGCACTTGTGA	7286
TJU_CMC.ID07291.3p-miR	15	+	62894322	62894342	TCTGGATACTTACAGTGGACA	7287
TJU_CMC.ID07292.3p-miR	15	+	62917095	62917114	CTTAATCAGAGGCTATTGCC	7288
TJU_CMC.ID07293.5p-miR	15	+	62942191	62942212	ATCCTTGCTGAGTCAGCAGGCT	7289
TJU_CMC.ID07294.3p-miR	15	+	63179088	63179110	AACATTCACACGACAGAACAAAC	7290
TJU_CMC.ID07295.3p-miR	15	-	63254048	63254068	ATCGTGCCACTGGGCGTTTGC	7291
TJU_CMC.ID07296.3p-miR	15	-	63923617	63923637	CATTATTAGAAGGTTGCATGA	7292
TJU_CMC.ID07297.3p-miR	15	+	64073333	64073354	GTCACAAACAGTTTTATTTTAC	7293
TJU_CMC.ID07298.3p-miR	15	+	64293335	64293357	CAAAGTGCTGCAAGTGCAGGCAT	7294
TJU_CMC.ID07299.3p-miR	15	+	64380449	64380470	GCAATGCTAGTCTGACACCACC	7295
TJU_CMC.ID07300.3p-miR	15	+	64436534	64436554	CTGTCGTCCTCTTCAGCCTCT	7296
TJU_CMC.ID07301.5p-miR	15	+	64795600	64795619	CTTTAGTTTGATTGATGGAT	7297
TJU_CMC.ID07302.5p-miR	15	-	65212702	65212724	TAGCTTAAGTCTGCAGCACCACA	7298
TJU_CMC.ID07303.5p-miR	15	-	65322991	65323012	AGCACTAACGGTCCTCGGAGGT	7299
TJU_CMC.ID07304.3p-miR	15	+	65363212	65363232	ACAGATGAAGCACTGTAGCCT	7300
TJU_CMC.ID07305.3p-miR	15	+	65810470	65810492	AGCGATCTTTCAGCAGGTCACTC	7301
TJU_CMC.ID07306.5p-miR	15	-	65817963	65817984	TCCCTGAGCAAAGTCAGGTTTC	7302
TJU_CMC.ID07307.3p-miR	15	+	65916482	65916504	TGGAGTCGCCTCCTCTTCTTACT	7303
TJU_CMC.ID07308.3p-miR	15	-	66161530	66161550	GCCTGTGAGTGGTGGGTTTGT	7304
TJU_CMC.ID07309.5p-miR	15	-	66361890	66361912	CATCACCATGGTCCCGACTGTGG	7305
TJU_CMC.ID07311.5p-miR	15	-	66832146	66832167	TAGCAGAGTTGGAAAGAATCCT	7306
TJU_CMC.ID07312.3p-miR	15	+	67044118	67044137	CAGAGCAGGATGTCAGAGCT	7307

Table 1. Novel miRNA sequences

TJU_CMC.ID07313.5p-miR	15	+	67213216	67213235	TCTCCAGCTTGCCACGTGTT	7308
TJU_CMC.ID07314.3p-miR	15	+	67229051	67229070	CCACTACGCCTCAATTAAGA	7309
TJU_CMC.ID07315.5p-miR	15	-	67488637	67488659	GATGCTGGGGAGGTCCTTAGGAG	7310
TJU_CMC.ID07316.5p-miR	15	+	67627622	67627644	TAGCTTGTCAGAGCAGGTTGTCA	7311
TJU_CMC.ID07317.3p-miR	15	+	67915847	67915868	TAGCACGTAGAGACACTACTGC	7312
TJU_CMC.ID07318.5p-miR	15	+	68126402	68126423	TCAAATCCCCCTACCCCGTGTG	7313
TJU_CMC.ID07319.3p-miR	15	-	69064184	69064205	TGTGACTCTGGGAGCAGGTGTC	7314
TJU_CMC.ID07320.5p-miR	15	+	69463047	69463067	ATTCGTATCTGGCTACTGGCC	7315
TJU_CMC.ID07321.5p-miR	15	-	69737246	69737265	GGGACATGTGGCTGCATGAC	7316
TJU_CMC.ID07322.5p-miR	15	-	69786131	69786150	ATCACAGTGATCGGACCTGC	7317
TJU_CMC.ID07323.5p-miR	15	+	69987248	69987271	GGTAATAACGATTATGGTGATGAG	7318
TJU_CMC.ID07324.5p-miR	15	-	70381706	70381728	TGTGCTGGGTGTGGGCTGGGGTT	7319
TJU_CMC.ID07325.3p-miR	15	+	70421443	70421463	AATGACAGGACTTGATGCTGT	7320
TJU_CMC.ID07326.5p-miR	15	-	70608279	70608300	ACAGGCATCTAGGCAAGAAGAG	7321
TJU_CMC.ID07327.3p-miR	15	+	70723886	70723909	AGGAAGCCCTGGAGGGGTTGGCTC	7322
TJU_CMC.ID07328.3p-miR	15	+	71050087	71050107	TCAGTGCACTACAGTTGCTAT	7323
TJU_CMC.ID07329.3p-miR	15	-	72322487	72322507	AATGGCAATGGTAATTCAGAA	7324
TJU_CMC.ID07330.3p-miR	15	-	72424362	72424383	TGAGGTAGTAATAACATAATCA	7325
TJU_CMC.ID07331.5p-miR	15	+	72995125	72995145	TATAGTGAGGAGCTGACTCTT	7326
TJU_CMC.ID07332.3p-miR	15	-	73256566	73256585	TGGAGCAGGGAGATGGAGGG	7327
TJU_CMC.ID07333.3p-miR	15	+	73660503	73660524	CCCCCTCCTCCTCGGCGTCCTC	7328
TJU_CMC.ID07334.5p-miR	15	-	73682077	73682098	TGGGACTCTGGAGCCAGGCACT	7329
TJU_CMC.ID07335.5p-miR	15	+	73901629	73901650	AGCAGCATTAGACTTCGCTTGA	7330
TJU_CMC.ID07336.5p-miR	15	-	74193397	74193416	GGCCTGGTAGTTCGACAACT	7331
TJU_CMC.ID07337.5p-miR	15	-	74257385	74257406	CTTCTGAGACCCTAGTACACAG	7332
TJU_CMC.ID07338.5p-miR	15	-	74831749	74831771	TGTCCTGTTGCTGGGCGTGGTGG	7333
TJU_CMC.ID07339.5p-miR	15	-	74875939	74875959	CCGGCTCCCAAGTGGCTGGGA	7334
TJU_CMC.ID07340.3p-miR	15	+	75074368	75074387	CCCCGCCGCGCGCCGGGCAG	7335
TJU_CMC.ID07341.3p-miR	15	-	75326108	75326130	AGGAGCAGGTGACAGGGCTGCAG	7336
TJU_CMC.ID07342.5p-miR	15	+	75500680	75500701	AGCAGCATTTTACAGGACTACA	7337
TJU_CMC.ID07343.5p-miR	15	+	75504300	75504320	AGCTCAGTCCTAGAAGGTCTC	7338

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TJU_CMC.ID07344.3p-miR	15	-	75755677	75755697	CCTGAGTAAAGGTCAGCCATT	7339
TJU_CMC.ID07345.5p-miR	15	+	75970340	75970361	CTGTGCGTGTGACCCGCTGTCT	7340
TJU_CMC.ID07346.5p-miR	15	-	76288201	76288222	TCTCTACTTAACAGTGCTTAGA	7341
TJU_CMC.ID07347.5p-miR	15	+	76400829	76400850	TTCACTGGGCCTGGGATGGGGT	7342
TJU_CMC.ID07348.5p-miR	15	+	76630332	76630351	TGGGCCACCGCGCGCAGGGG	7343
TJU_CMC.ID07349.3p-miR	15	-	76863090	76863110	ACCTTCATTCTAGGCCTCAGA	7344
TJU_CMC.ID07350.5p-miR	15	-	76887264	76887286	ATTCTAGCTGGTTGTCTTGCCGG	7345
TJU_CMC.ID07351.5p-miR	15	-	77247405	77247428	GACTAATTGCTATATGACAGCGAG	7346
TJU_CMC.ID07352.3p-miR	15	+	77331797	77331818	ATCACAACATCAGGGCCTGAAT	7347
TJU_CMC.ID07353.3p-miR	15	+	77456131	77456153	TAGCTCTGTTCAGCAGGTACACA	7348
TJU_CMC.ID07354.5p-miR	15	-	77574992	77575011	ACTGAGGGTTTGGAATTTTT	7349
TJU_CMC.ID07355.5p-miR	15	+	78051204	78051223	GAAGCGGGGGGAGGAAAATA	7350
TJU_CMC.ID07356.3p-miR	15	+	78393929	78393948	CCCAGCCCTTAGAGAGCACC	7351
TJU_CMC.ID07357.3p-miR	15	-	78406467	78406488	AAGCTGCCAGTTGAAGGCCAGT	7352
TJU_CMC.ID07358.3p-miR	15	-	78471693	78471714	TAGCTTATCCTCAGTCTAGTAG	7353
TJU_CMC.ID07359.5p-miR	15	-	79270976	79270996	GCAGTCCATGGGCATAGCCAA	7354
TJU_CMC.ID07360.3p-miR	15	-	79571066	79571088	ACCAGCATTGTGTGATTAGATGT	7355
TJU_CMC.ID07361.5p-miR	15	-	79658543	79658564	CTGATAACGCCAAGGTAGCAGG	7356
TJU_CMC.ID07362.5p-miR	15	+	79684292	79684313	TTTCAGTTTAAGTTTATGTTTG	7357
TJU_CMC.ID07363.5p-miR	15	-	79703949	79703969	GTCACTGGGGACCAGGAGCTA	7358
TJU_CMC.ID07364.5p-miR	15	-	79718046	79718067	TTTCCTCAGCTGTCGAATGAAG	7359
TJU_CMC.ID07365.5p-miR	15	-	79750529	79750550	GCTAGCATCAGAGCAGCACCAG	7360
TJU_CMC.ID07366.5p-miR	15	-	79981538	79981561	ACTCAGCAGTGAAACGATATTGGC	7361
TJU_CMC.ID07367.5p-miR	15	-	81134365	81134387	AGCTCATCCATAGTTGTCACTGT	7362
TJU_CMC.ID07368.3p-miR	15	+	81134370	81134391	GACAACTATGGATGAGCTCTCA	7363
TJU_CMC.ID07368.5p-miR	15	+	81134336	81134358	AGCTCATCCATAGTTGTCACTGA	7364
TJU_CMC.ID07369.3p-miR	15	+	81549505	81549526	TAGCACCATCTGCTGCTGAAAA	7365
TJU_CMC.ID07371.5p-miR	15	+	83472046	83472066	TAGCAGCATAGCTTATACAGC	7366
TJU_CMC.ID07372.3p-miR	15	+	83648269	83648290	GCAAGGCTAGATACAGGGACTG	7367

Table 1. Novel miRNA sequences

TJU_CMC.ID07373.5p-miR	15	+	83692311	83692330	TATTATTTGTAGATGCGGGGG	7368
TJU_CMC.ID07374.3p-miR	15	+	83953361	83953381	CTCGGCGGGCGCCGCCGCATC	7369
TJU_CMC.ID07375.3p-miR	15	-	84621699	84621720	CAACGGAACCCCAAAAACAGCA	7370
TJU_CMC.ID07376.3p-miR	15	-	84646834	84646855	ATGACACAGCATCAATACCTTC	7371
TJU_CMC.ID07377.5p-miR	15	+	86303223	86303243	GTTCTCTCGGGGCCATTCTTA	7372
TJU_CMC.ID07378.5p-miR	15	+	86768037	86768058	AATCATGGGTCTGTTATGGGGT	7373
TJU_CMC.ID07379.3p-miR	15	+	87412807	87412829	ACCCTGTAGATCCGATATGTGGA	7374
TJU_CMC.ID07380.3p-miR	15	+	88404973	88404992	AGACGCGCCCTTGAAAATTT	7375
TJU_CMC.ID07381.3p-miR	15	-	88893627	88893646	TGATGTTGCTCAGGGTTATT	7376
TJU_CMC.ID07382.5p-miR	15	-	88923646	88923667	ATCAAGGCCGACAGGAGCTATG	7377
TJU_CMC.ID07383.5p-miR	15	-	88963291	88963311	TAGCTTTTACTCAGTGGGTCA	7378
TJU_CMC.ID07384.5p-miR	15	+	89006504	89006524	AAAGTGGCTGTGCACCACCAA	7379
TJU_CMC.ID07385.3p-miR	15	-	89081876	89081897	TAATTTCTCGCTGGGGCCTCCA	7380
TJU_CMC.ID07386.3p-miR	15	-	89255779	89255799	TCCCTGTCCTCCAGGAGCACA	7381
TJU_CMC.ID07387.3p-miR	15	+	89778453	89778473	TGGCTCAGTTCAACAGGTGTT	7382
TJU_CMC.ID07388.5p-miR	15	-	89890386	89890407	TCAGGTCTCAAAGCCAGGTGGA	7383
TJU_CMC.ID07389.3p-miR	15	+	89942681	89942700	CGGCAGGCGGCGCTCCCCGG	7384
TJU_CMC.ID07390.3p-miR	15	+	89962385	89962406	CTTCGGAGCTTTGTTAGCAGAG	7385
TJU_CMC.ID07391.5p-miR	15	+	90133707	90133727	AATCTGGTAAAGGAAGAACTG	7386
TJU_CMC.ID07392.5p-miR	15	-	90155354	90155376	ATAAGCAAAGAACAGGAATCCCT	7387
TJU_CMC.ID07393.3p-miR	15	-	90750258	90750278	CGATGGTGAGCTAATAAGTAT	7388
TJU_CMC.ID07394.3p-miR	15	+	91122685	91122706	CTCTAAGGCTGGTTTATAGGGA	7389
TJU_CMC.ID07395.3p-miR	15	-	91226643	91226665	TGTCAGTCCACTGGGCTTTGGGG	7390
TJU_CMC.ID07396.3p-miR	15	+	91738877	91738898	CAGGCTCTAGGGTTAAGCAGCT	7391
TJU_CMC.ID07397.5p-miR	15	-	91896422	91896443	ATAAGTAAGCCAGGGATTTCCT	7392
TJU_CMC.ID07398.5p-miR	15	+	92062470	92062491	TAGCACAAGAGTAGGCTACAAT	7393
TJU_CMC.ID07399.5p-miR	15	-	92149331	92149351	CAGCATAAGACATTTCCTACT	7394
TJU_CMC.ID07400.5p-miR	15	+	92545149	92545168	TTTTTATTAGCTCAGTTGGC	7395
TJU_CMC.ID07401.3p-miR	15	-	93406276	93406295	CTGACCTATGAATTAGTTAG	7396
TJU_CMC.ID07402.3p-miR	15	-	93574842	93574865	TGGAGGCAGGAAGCGGAGCTAGAG	7397
TJU_CMC.ID07403.3p-miR	15	-	94002778	94002797	TGGCTCAGTGACTACATCCA	7398

Table 1. Novel miRNA sequences

TJU_CMC.ID07404.3p-miR	15	-	94848649	94848668	GACTATGGTGCTCTTACCTC	7399
TJU_CMC.ID07405.5p-miR	15	+	95596382	95596403	TGGATGCTATTGGTGTACAGAA	7400
TJU_CMC.ID07406.5p-miR	15	-	95652205	95652226	GTAAATATTTTAAGCTTCGCAA	7401
TJU_CMC.ID07407.3p-miR	15	-	96085995	96086014	GCAAGCATAAGAATAACAGG	7402
TJU_CMC.ID07408.5p-miR	15	+	97339671	97339692	TAGCACACGGGAGTGCTAGCGA	7403
TJU_CMC.ID07409.3p-miR	15	+	97675777	97675798	AATCCTCTGATCAGGGTAGGGG	7404
TJU_CMC.ID07410.3p-miR	15	-	97725945	97725965	CTTATCAGACTGATGTATGGT	7405
TJU_CMC.ID07411.3p-miR	15	-	97779684	97779703	TAGCAGCACGTAAAATGAGT	7406
TJU_CMC.ID07412.5p-miR	15	-	98466947	98466969	ATCATAACCATCCTCTGCTATTG	7407
TJU_CMC.ID07413.3p-miR	15	+	98524919	98524938	GCAGAGGAGCACCCCAGGCC	7408
TJU_CMC.ID07414.3p-miR	15	+	99168886	99168906	GTCCAGTTTTCCCAGACCTCA	7409
TJU_CMC.ID07415.5p-miR	15	-	99395523	99395546	GGGCGGGGTGGGGCGCGCGCCA	7410
TJU_CMC.ID07416.3p-miR	15	+	99600566	99600588	TGATCAACTGGTTCATACTGTGG	7411
TJU_CMC.ID07417.3p-miR	15	+	99699869	99699890	TGGAGTCCAGGTCGTGGACGGT	7412
TJU_CMC.ID07418.3p-miR	15	-	99721324	99721346	TGTTCTGCTGCTGACGCACCATG	7413
TJU_CMC.ID07419.3p-miR	15	-	99972850	99972871	TAGCAGCACGGCTTTCTCAGGG	7414
TJU_CMC.ID07420.5p-miR	15	+	100249302	100249321	CCACATCAGAGGCTACTGTA	7415
TJU_CMC.ID07421.5p-miR	15	-	100457774	100457793	TGGCTCAGGGACTGTCCCTC	7416
TJU_CMC.ID07422.3p-miR	15	+	100526160	100526179	CCCAGTGGGACTCAGCATGG	7417
TJU_CMC.ID07423.3p-miR	15	-	101444603	101444624	AAACCGTGCATGCCACTTGACC	7418
TJU_CMC.ID07424.3p-miR	15	+	101535832	101535854	TAGCTTAATGCTTTGATGTTGTC	7419
TJU_CMC.ID07425.5p-miR	15	+	101633742	101633761	AGTGATGCCACGTGACTAGC	7420
TJU_CMC.ID07426.3p-miR	15	-	101792665	101792685	GGGCTCCGGGACGGCTGTTCC	7421
TJU_CMC.ID07427.3p-miR	15	+	101889157	101889176	TTTGGTTTTCGTAACTGATC	7422
TJU_CMC.ID07428.3p-miR	15	+	102273058	102273078	CACTGGATACTTAGTTGGCTT	7423
TJU_CMC.ID07428.5p-miR	15	+	102273024	102273043	CAGAATGGTAAAGATTAACT	7424
TJU_CMC.ID07429.5p-miR	15	-	102358836	102358856	GAGTGGATAAGGCCAATGATA	7425
TJU_CMC.ID07430.3p-miR	15	+	102506252	102506273	TGCTCCGGCTCCCACCCACAGG	7426
TJU_CMC.ID07431.5p-miR	16	+	93431	93451	AAAGGCAATGGTATTGACTCA	7427
TJU_CMC.ID07432.5p-miR	16	+	323532	323551	CCCCTTGCTGCGCTGCTTGG	7428
TJU_CMC.ID07433.3p-miR	16	+	422695	422714	GGCGATGACCAGTGTACCCA	7429

Table 1. Novel miRNA sequences

TJU_CMC.ID07434.3p-miR	16	-	606412	606432	TTGGGGTAGATCCGGGTCCTG	7430
TJU_CMC.ID07435.5p-miR	16	+	736163	736182	CAGCATGGTCCACGTTTGCG	7431
TJU_CMC.ID07436.5p-miR	16	-	756072	756091	CCCGCCGCGCGCCGGGGTTT	7432
TJU_CMC.ID07437.5p-miR	16	+	1384103	1384122	CCTCCCTCCCCGGGGGAGCA	7433
TJU_CMC.ID07438.5p-miR	16	-	1496635	1496654	AGCTCTCGCTGGCCCAGACG	7434
TJU_CMC.ID07439.3p-miR	16	+	1607946	1607968	GCTTGATGGATTTGAAGGCTTCG	7435
TJU_CMC.ID07440.3p-miR	16	+	1812021	1812040	ACAGCTCTCCCACCCCTCCT	7436
TJU_CMC.ID07441.5p-miR	16	+	2015180	2015203	CCGGCGTTGGTTGAAAATCGCCCC	7437
TJU_CMC.ID07442.3p-miR	16	-	2050257	2050279	AGCTGTGCTTCCCTGCACCCAGC	7438
TJU_CMC.ID07443.3p-miR	16	-	2104127	2104148	ATCAGCATTGTACAGGGCAGGG	7439
TJU_CMC.ID07444.3p-miR	16	+	2211105	2211126	TCCCTGGCTGGGGCTGAACACT	7440
TJU_CMC.ID07445.5p-miR	16	-	2827156	2827177	CCGCGCGGGGGGCCCGGGCTTC	7441
TJU_CMC.ID07446.5p-miR	16	-	3493525	3493544	GCAGGATGGCGGAGAGGGCT	7442
TJU_CMC.ID07447.3p-miR	16	+	3574870	3574891	CAGTTTTTGAATTGCCCTATCC	7443
TJU_CMC.ID07448.3p-miR	16	+	3627559	3627580	CTTGACTCTGGGATTAAGTGTC	7444
TJU_CMC.ID07449.3p-miR	16	-	4028300	4028320	TGACACTTTAGCCCCAAATCA	7445
TJU_CMC.ID07450.5p-miR	16	-	4225547	4225568	CGCTGTTGCCCAGGGCTGAGTG	7446
TJU_CMC.ID07451.3p-miR	16	+	4316762	4316783	TGTAAACGTCCTACACACACAG	7447
TJU_CMC.ID07452.3p-miR	16	-	4526751	4526771	CTCCCCGCGCCCCCGGGGAGA	7448
TJU_CMC.ID07453.5p-miR	16	-	4550519	4550540	TTGCTGAGCTCAGCCAGCACCG	7449
TJU_CMC.ID07454.3p-miR	16	-	4649674	4649695	GAGAAACTGCCTTGTAAACTGT	7450
TJU_CMC.ID07455.5p-miR	16	-	4964754	4964775	CCCCCCACTGCTAAGCCTTCCT	7451
TJU_CMC.ID07456.5p-miR	16	+	5120141	5120163	TAGCTCATCAGAGCAGGACAGGGC	7452
TJU_CMC.ID07457.5p-miR	16	+	5725588	5725609	AAACATGGCAACGGAGCCTCAA	7453
TJU_CMC.ID07458.3p-miR	16	-	5910589	5910610	TAGCTTATCTCTGCAGGCAACT	7454
TJU_CMC.ID07459.5p-miR	16	+	7547302	7547323	GCCCTGATGCTGAGTGTGTGCT	7455
TJU_CMC.ID07460.3p-miR	16	+	7970569	7970589	TCTGGATACTTAACTGCCTTG	7456
TJU_CMC.ID07461.3p-miR	16	+	7975181	7975200	TGATGAACACATCATATCGT	7457
TJU_CMC.ID07462.5p-miR	16	-	8276174	8276195	TCTGCTTACAGAGCAGGATGTG	7458
TJU_CMC.ID07463.5p-miR	16	-	8536527	8536546	GTTTCAACAACCTAGTGGCT	7459
TJU_CMC.ID07464.3p-miR	16	+	8829776	8829797	GTTTCTGGGACTGTCCCACTGT	7460

Table 1. Novel miRNA sequences

TJU_CMC.ID07465.3p-miR	16	+	9058589	9058611	GTGATCAAAGATGGCGCCACTGC	7461
TJU_CMC.ID07466.3p-miR	16	+	9148221	9148242	TCTCCCTTGTTCACAGTTGCAC	7462
TJU_CMC.ID07467.3p-miR	16	-	9221867	9221888	TGAGCTGTGGAATCTGGCAGCA	7463
TJU_CMC.ID07468.5p-miR	16	+	9329871	9329890	CATCTGGAGTCTAGTTTGCA	7464
TJU_CMC.ID07469.3p-miR	16	-	9434298	9434319	CTCAACCCACTGGGCGTTAGTT	7465
TJU_CMC.ID07470.3p-miR	16	+	9911564	9911585	TGACAGTAATCCAAAGCCTGTC	7466
TJU_CMC.ID07471.3p-miR	16	+	10205236	10205258	AGCATGGCGAACCATCTGATCAG	7467
TJU_CMC.ID07472.5p-miR	16	+	10240803	10240824	CAGTGCAATTGGAAATCCTGAA	7468
TJU_CMC.ID07473.5p-miR	16	+	10615871	10615893	CACTTTGGGTCTGGGCGTGGTGG	7469
TJU_CMC.ID07474.5p-miR	16	+	10718805	10718825	GCGTGGCCTGGAGCTGGGCGA	7470
TJU_CMC.ID07475.5p-miR	16	+	10788868	10788887	GACTCTTAGCGGGGCCTTTG	7471
TJU_CMC.ID07476.3p-miR	16	-	10863922	10863941	CGTGAGGAGCTGGGGGTCGG	7472
TJU_CMC.ID07477.5p-miR	16	-	10960740	10960762	AGCAGACCCCTTTGAAGGCAGGA	7473
TJU_CMC.ID07478.5p-miR	16	+	10982035	10982056	GCACTTACTGGTCGCCAGTCCC	7474
TJU_CMC.ID07479.3p-miR	16	-	11042233	11042252	TAACTCAGTTCAGCAGACAG	7475
TJU_CMC.ID07480.5p-miR	16	-	11413210	11413230	TGGCAGAGCAAGAATGCGATC	7476
TJU_CMC.ID07481.5p-miR	16	+	11479217	11479238	CCCATACCCGGCCGTCGAAGGT	7477
TJU_CMC.ID07482.3p-miR	16	-	11670491	11670510	GCCCCATGTTGGACTGTTGG	7478
TJU_CMC.ID07483.5p-miR	16	-	12160151	12160173	TGGCTCACAAGTCGTGTCCACTG	7479
TJU_CMC.ID07484.3p-miR	16	-	12228195	12228216	TCCTCAGAGTCCTAATTCACAG	7480
TJU_CMC.ID07485.5p-miR	16	-	12732848	12732867	AGCTACATTGTCTGCACTTT	7481
TJU_CMC.ID07486.3p-miR	16	-	12780835	12780854	CAGAAAGCGGGCAATGGGCT	7482
TJU_CMC.ID07487.3p-miR	16	-	12786545	12786566	TCAGTGTTCACTTTTATTTTTA	7483
TJU_CMC.ID07488.5p-miR	16	-	13776856	13776877	TGATCATGGGAAGCAGCATACC	7484
TJU_CMC.ID07489.5p-miR	16	+	13979931	13979952	TGAGTTAAACAGAAATAAAAAC	7485
TJU_CMC.ID07490.5p-miR	16	+	14127974	14127995	TCAGGCTTTGTGTAGTTTGTTA	7486
TJU_CMC.ID07491.3p-miR	16	-	14724006	14724025	GGCGCGGGCCCGGGTGGGGC	7487
TJU_CMC.ID07492.3p-miR	16	-	16982938	16982958	CCATGCTGAGAATCGCTGTTC	7488
TJU_CMC.ID07493.5p-miR	16	+	16986770	16986789	GAAGAAATTATAAGCCAGGC	7489
TJU_CMC.ID07494.3p-miR	16	+	17085363	17085384	ATCAGTTTGCTGGGATGGGAAA	7490
TJU_CMC.ID07495.5p-miR	16	+	17420768	17420790	TGCTGACAACAGAAATTCAAACA	7491

Table 1. Novel miRNA sequences

TJU_CMC.ID07496.5p-miR	16	+	17515546	17515567	TCCAGCCCCAGTGGACAACACA	7492
TJU_CMC.ID07497.3p-miR	16	+	17550869	17550891	GTAACACAGACAAGTAAAGTGAC	7493
TJU_CMC.ID07498.5p-miR	16	-	17746338	17746357	ATGCCAGGATTTTATTCTCC	7494
TJU_CMC.ID07499.5p-miR	16	-	17751250	17751269	ATTTCGACTCTTAGCGGAAA	7495
TJU_CMC.ID07500.3p-miR	16	-	18016327	18016346	GGGATGTCTATTAGGCTTTC	7496
TJU_CMC.ID07501.5p-miR	16	+	19025954	19025973	TCCCTGCTCCAACACCAACT	7497
TJU_CMC.ID07502.3p-miR	16	+	19060896	19060915	GAGAAAGCTCACAGGAACTT	7498
TJU_CMC.ID07503.3p-miR	16	+	19157530	19157549	CAGCTTTGGGGGGTTAGCTC	7499
TJU_CMC.ID07504.3p-miR	16	+	19461434	19461454	CAGAACCTGCTTAACATATCA	7500
TJU_CMC.ID07505.5p-miR	16	+	19697177	19697199	AGTGAGGCTATCACAGGAGCATG	7501
TJU_CMC.ID07506.3p-miR	16	+	20011308	20011327	TACAAGTAACTGTCTTAAAA	7502
TJU_CMC.ID07507.5p-miR	16	-	20627820	20627839	TAGTCTGCCAGGTCAGCACG	7503
TJU_CMC.ID07508.3p-miR	16	-	20773223	20773245	CACATGTGCAATGTCTTTACTGA	7504
TJU_CMC.ID07509.3p-miR	16	-	20803777	20803800	TCTTTCTGACTAGCATATTTCTAT	7505
TJU_CMC.ID07510.3p-miR	16	-	21065702	21065722	CCTGTCATTACTGACTATCCA	7506
TJU_CMC.ID07511.5p-miR	16	-	22019479	22019499	CGCGCGCCGCTCGCGCCCTCC	7507
TJU_CMC.ID07512.3p-miR	16	+	2204597	22046619	GTATTCAGTTCAGCTCCGGTGAA	7508
TJU_CMC.ID07513.3p-miR	16	-	22646319	22646338	GGGCCCAGGATATGTTCTTT	7509
TJU_CMC.ID07514.5p-miR	16	+	23117896	23117915	CTTCCTTTACAAGCTATGCA	7510
TJU_CMC.ID07515.5p-miR	16	-	23147444	23147465	GTCCAGTTTTCCCAGGACTATA	7511
TJU_CMC.ID07516.5p-miR	16	+	23184061	23184082	ACAGCAGGCACAGAGAAGCAGC	7512
TJU_CMC.ID07517.3p-miR	16	-	23313777	23313797	CGCGGGAGACCGGGTGCGAGC	7513
TJU_CMC.ID07518.3p-miR	16	-	23647080	23647102	TAGCGGTAGTAGTCAGCACCTTG	7514
TJU_CMC.ID07519.3p-miR	16	-	23825782	23825801	AGGAGTCTACACATGTGATA	7515
TJU_CMC.ID07520.3p-miR	16	-	25080128	25080148	GTCCAGTTTTCTCAGGAAATT	7516
TJU_CMC.ID07521.3p-miR	16	+	25100340	25100362	AGCTTATCCACGTGGCGTTTTGG	7517
TJU_CMC.ID07522.3p-miR	16	-	25379583	25379603	CCCGGGGCCCTCCCTTATCTG	7518
TJU_CMC.ID07523.5p-miR	16	+	25428160	25428182	CTCCATAATTCCCAGGAATCCAT	7519
TJU_CMC.ID07524.3p-miR	16	-	25489309	25489331	CAAAGTGCTGTGATGTAAGGTAT	7520
TJU_CMC.ID07525.5p-miR	16	-	26309844	26309863	AATATCTGTGCAGTATAGCA	7521
TJU_CMC.ID07526.5p-miR	16	-	26530181	26530200	TCAGTTTCCCTAATGTTGCC	7522

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TJU_CMC.ID07527.5p-miR	16	-	26947152	26947171	AGGAAACTCTGTGTTCCTGC	7523
TJU_CMC.ID07528.5p-miR	16	+	26954620	26954641	TAGCTATGACTCATGAAGTTGA	7524
TJU_CMC.ID07529.5p-miR	16	+	27135588	27135607	GCTGTGGTGGTTCAGTGGTT	7525
TJU_CMC.ID07530.3p-miR	16	-	27374137	27374156	GGTTGCCTGCGATGACGAGG	7526
TJU_CMC.ID07531.3p-miR	16	-	27467815	27467834	GCCTGGGGCCATCGATTTTT	7527
TJU_CMC.ID07532.3p-miR	16	+	27965855	27965876	CTGATGGCTGAGTTTATTAATA	7528
TJU_CMC.ID07533.3p-miR	16	-	28266709	28266729	CAGACCTATGGGCCATACCAT	7529
TJU_CMC.ID07534.5p-miR	16	-	28491196	28491217	CAGGGTTTGTACCCACACAAAACC	7530
TJU_CMC.ID07535.3p-miR	16	-	28505656	28505678	TGACTCAGGTCTCGTATCCGCAC	7531
TJU_CMC.ID07536.3p-miR	16	-	28887843	28887863	CCCCCGGCACCTCCACCCGGC	7532
TJU_CMC.ID07537.5p-miR	16	+	29710193	29710215	TGAACTGGGGAAACTGAAGCCCC	7533
TJU_CMC.ID07538.3p-miR	16	+	29813140	29813159	TCCCTGTCCTCCAGGAGCCA	7534
TJU_CMC.ID07539.3p-miR	16	-	29923030	29923049	GGGGGGCCTACAAGAACATC	7535
TJU_CMC.ID07540.5p-miR	16	+	30418894	30418914	CCCCCTCCCCGCCCCCGGAGC	7536
TJU_CMC.ID07541.5p-miR	16	+	30558627	30558646	GCCTTTTACTTCTTCTTTCT	7537
TJU_CMC.ID07542.5p-miR	16	+	30680610	30680632	CGGCCGCCCCCGTTTCTGGGCCC	7538
TJU_CMC.ID07543.3p-miR	16	+	30913195	30913216	GTCCAGTTTAGGGAGGAAGAAA	7539
TJU_CMC.ID07544.5p-miR	16	+	31247397	31247416	AGCAGCAGGTCTCCAGAGTG	7540
TJU_CMC.ID07545.5p-miR	16	+	31266702	31266721	AGTGTATGGTGGCATGATCA	7541
TJU_CMC.ID07546.3p-miR	16	+	31398451	31398471	TGGGCTAACTACTTATGGTGC	7542
TJU_CMC.ID07547.3p-miR	16	-	31513744	31513765	CAAAGTCTCAGGATCATTGTGA	7543
TJU_CMC.ID07548.3p-miR	16	+	31707447	31707468	TAGCTGGACATCATGGTGGGTG	7544
TJU_CMC.ID07549.3p-miR	16	+	31781368	31781389	CAGTGGTGCAGCCTTTCCATGC	7545
TJU_CMC.ID07550.3p-miR	16	-	33547885	33547907	CAATCTGATTCAGCAGGCCTGAG	7546
TJU_CMC.ID07551.3p-miR	16	+	33966407	33966427	CCGCTTCCTCGGACCCGTCCC	7547
TJU_CMC.ID07552.5p-miR	16	+	34329074	34329096	GTCCAGTTGGCCCAGGATAGGGA	7548
TJU_CMC.ID07553.3p-miR	16	-	34661312	34661333	TGAGTCATTGAGTTTACAAAAC	7549
TJU_CMC.ID07554.3p-miR	16	+	34736099	34736120	CAGCACCAGAGAGAATCGTGGC	7550
TJU_CMC.ID07555.5p-miR	16	-	34751407	34751429	TTCAAGTCCCTGTTCAGGTGCCA	7551
TJU_CMC.ID07556.3p-miR	16	+	46567133	46567153	TGAAGGTTAATGGTAGCCTAA	7552
TJU_CMC.ID07557.3p-miR	16	+	47528072	47528091	CTAGAGGTCCACTTCCGATC	7553

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TJU_CMC.ID07558.5p-miR	16	+	47997797	47997818	GATATGCGGACGCCAAGTGCAG	7554
TJU_CMC.ID07559.3p-miR	16	-	48012275	48012296	TGAGTCAAACTCATTATGAACC	7555
TJU_CMC.ID07560.5p-miR	16	+	48279217	48279239	CTTACTACTATATTGCCCAGTAC	7556
TJU_CMC.ID07561.5p-miR	16	-	49095475	49095496	GATGTTCCAGACACAGGACTAA	7557
TJU_CMC.ID07562.5p-miR	16	-	49120594	49120613	GCTCCTGAGGACTGTGGTAA	7558
TJU_CMC.ID07563.3p-miR	16	+	49487510	49487531	AGAGTAGTCTGTGTGCCACCCT	7559
TJU_CMC.ID07564.5p-miR	16	-	49975777	49975796	GAGTCTCACATTGAACTCAG	7560
TJU_CMC.ID07565.5p-miR	16	-	50618944	50618963	CCCCAAATCTGGCAGCACTC	7561
TJU_CMC.ID07566.3p-miR	16	+	50632892	50632913	GTCAGTGGTGGGTGGGAAGGCC	7562
TJU_CMC.ID07567.5p-miR	16	-	50754073	50754095	CATAGACCAAGTATGAAGGTGGC	7563
TJU_CMC.ID07568.5p-miR	16	-	51311960	51311982	ATATGAACCAACTGATCAGTGCT	7564
TJU_CMC.ID07569.3p-miR	16	-	52065786	52065806	ATGGGCATCTAGGCTGTGGTC	7565
TJU_CMC.ID07570.3p-miR	16	+	52069004	52069025	AAGGATGCTTGAGTACCACAAG	7566
TJU_CMC.ID07571.3p-miR	16	+	52488054	52488075	TAAGACTCTGGGATCTCCACTG	7567
TJU_CMC.ID07572.3p-miR	16	-	53116821	53116840	AGCAGGGTGAGCACTCAGAT	7568
TJU_CMC.ID07573.5p-miR	16	+	53359878	53359900	AAATGTTGCCCAGAATCAGTGTT	7569
TJU_CMC.ID07574.5p-miR	16	+	53373163	53373184	TTCACATGTAACTGCTAATGGT	7570
TJU_CMC.ID07575.3p-miR	16	+	53783816	53783836	TCTGGTTTTTGTCCTTCATGT	7571
TJU_CMC.ID07576.3p-miR	16	+	53833786	53833807	TATCCTTTTAATTGGTATGTTG	7572
TJU_CMC.ID07577.3p-miR	16	+	54275069	54275088	GGTGATACTCTCAGCTTGTG	7573
TJU_CMC.ID07578.5p-miR	16	+	54320831	54320850	GCCGCCCACCCCCGCGGATC	7574
TJU_CMC.ID07579.5p-miR	16	+	54500438	54500459	GAGTGACATAGGGAAAGCTACG	7575
TJU_CMC.ID07580.5p-miR	16	-	55173355	55173374	TAGCTTATGTCCATGATGTT	7576
TJU_CMC.ID07581.5p-miR	16	-	55412477	55412496	TATCGGGCCCACAAAAATGT	7577
TJU_CMC.ID07582.3p-miR	16	-	55480534	55480556	CCTTATGCAGTGTTTATGGGGTT	7578
TJU_CMC.ID07583.3p-miR	16	+	55872878	55872900	AGAGGCATGTTCTGTGTGTTTTC	7579
TJU_CMC.ID07584.3p-miR	16	-	56311409	56311429	AAGAATGAAGCACTGTACTCA	7580
TJU_CMC.ID07585.3p-miR	16	-	57111979	57111999	CCCCCCACTGCTCCCGAGGAC	7581
TJU_CMC.ID07586.3p-miR	16	+	57596577	57596598	GATGTCATGACACTAAGTGCAG	7582
TJU_CMC.ID07587.3p-miR	16	+	57635196	57635217	AGCTAAGGGGCTGTTTTCTGAC	7583
TJU_CMC.ID07588.5p-miR	16	+	57729432	57729453	TGCCTTGTAATGGTGATGACTG	7584

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TJU_CMC.ID07589.3p-miR	16	+	57774848	57774867	AAGCAGCACGTAGGCGCGCT	7585
TJU_CMC.ID07590.3p-miR	16	+	57816156	57816178	GAGACTGGGAAGTGAAGGCTCAG	7586
TJU_CMC.ID07591.3p-miR	16	-	58051944	58051966	CATTACATCTGTGACATGAAAGA	7587
TJU_CMC.ID07592.3p-miR	16	-	58245363	58245385	TAGCTTATCAGATAGATGCCAAC	7588
TJU_CMC.ID07593.5p-miR	16	-	58550561	58550581	CTGACCTATAGGCCATCACAA	7589
TJU_CMC.ID07594.5p-miR	16	+	58589795	58589814	ACACCTGAGACAAGTCCGCT	7590
TJU_CMC.ID07595.3p-miR	16	+	58688357	58688378	TGAGTGCTGGAGCCAGCGCTGG	7591
TJU_CMC.ID07596.3p-miR	16	+	59338510	59338529	GCATGTCAGAGGCTATTATG	7592
TJU_CMC.ID07597.5p-miR	16	-	59460111	59460131	ACGATGTAACATCATCTTCTT	7593
TJU_CMC.ID07598.5p-miR	16	+	59579177	59579199	TAGCTTATCAAGTGAGACAAAGT	7594
TJU_CMC.ID07599.5p-miR	16	+	59698315	59698336	CTCTAATTAGGATGGCTACTAG	7595
TJU_CMC.ID07600.3p-miR	16	-	60039327	60039349	CCCTACAGTAGCAACAGGTTTTT	7596
TJU_CMC.ID07601.3p-miR	16	+	60440178	60440198	ATATACGTGTCTATATGCATA	7597
TJU_CMC.ID07602.5p-miR	16	+	60849611	60849633	ATCAGCAAACATGTTATAAGCAG	7598
TJU_CMC.ID07603.5p-miR	16	+	62140709	62140728	AATCAACTCATATTGCTTTT	7599
TJU_CMC.ID07604.5p-miR	16	-	62749048	62749069	TGACAGTAATCCAGGCACTTTG	7600
TJU_CMC.ID07605.5p-miR	16	+	62824742	62824763	TCTTTGCTTAGGCTGATATCTG	7601
TJU_CMC.ID07606.3p-miR	16	+	62850809	62850830	TTCAAGTAATTATCCTATCTGG	7602
TJU_CMC.ID07607.3p-miR	16	-	63131042	63131061	GTCCAGTTTTCCCAGTCAAG	7603
TJU_CMC.ID07608.3p-miR	16	+	63491764	63491784	TGTGGTGATGGTCTTGCAGAT	7604
TJU_CMC.ID07609.5p-miR	16	+	63813522	63813543	ATTTCTGCACATATGCATAGGA	7605
TJU_CMC.ID07610.5p-miR	16	-	64843076	64843097	AAGCAGCCTGTCCCATACCCCT	7606
TJU_CMC.ID07611.5p-miR	16	+	64849507	64849529	GTCCAGTTTCAAACTTCTGAAAA	7607
TJU_CMC.ID07612.3p-miR	16	-	65457631	65457650	TACCACTGTCTGGTAAATGT	7608
TJU_CMC.ID07613.5p-miR	16	-	65671053	65671073	TAGCTTATCAGACCAAGGGGC	7609
TJU_CMC.ID07614.3p-miR	16	-	65696337	65696357	CAGATCTGTTATTCACAGGGA	7610
TJU_CMC.ID07615.3p-miR	16	-	65884219	65884241	ATACATATATACAATATTAAATT	7611
TJU_CMC.ID07616.3p-miR	16	+	66029015	66029034	CCTCCCATCTAGTTTCTACT	7612
TJU_CMC.ID07617.3p-miR	16	-	66730771	66730792	CCCCTCCCCGAGGCCCGCGGCG	7613
TJU_CMC.ID07618.3p-miR	16	-	67132627	67132648	ATTGGAACCAGGACTAGGGTCT	7614
TJU_CMC.ID07619.3p-miR	16	-	67453471	67453492	TGCTGGTGGTCTGGGCTGGGGT	7615

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TJU_CMC.ID07620.3p-miR	16	+	67573726	67573749	CTCCTGACCCACCTCTCCCCCAGC	7616
TJU_CMC.ID07621.5p-miR	16	-	67771701	67771720	TCCTACGACTCTTAGCAGGT	7617
TJU_CMC.ID07622.3p-miR	16	-	67975733	67975752	ACGCTCATCAGACACCACCA	7618
TJU_CMC.ID07623.3p-miR	16	-	68863663	68863683	CAATTTCATCGGGATTGGCAG	7619
TJU_CMC.ID07624.5p-miR	16	+	69003122	69003144	TGCTGACCCAGAAATTACCCCAT	7620
TJU_CMC.ID07625.3p-miR	16	+	69373884	69373907	TCTCCAGTCCTCTTTTTGCCCTCA	7621
TJU_CMC.ID07626.3p-miR	16	+	69412314	69412335	GCTGCTGCCACCAGGATAGTAT	7622
TJU_CMC.ID07627.5p-miR	16	+	69416411	69416430	CAGAGTGAGTCTAGTCTGTA	7623
TJU_CMC.ID07628.5p-miR	16	-	70375757	70375778	TGGGAGTCTTCAGCAGGAGTGG	7624
TJU_CMC.ID07629.5p-miR	16	+	70385301	70385320	GGCTTTGTCATATTGCCCAG	7625
TJU_CMC.ID07630.3p-miR	16	-	70810757	70810778	AGATCACACCACTGCAGCATAG	7626
TJU_CMC.ID07631.5p-miR	16	-	70954886	70954906	AGACCTATGAATTGACACTGA	7627
TJU_CMC.ID07632.3p-miR	16	+	71032821	71032843	AGCTATGCCACGTGAGAAGGGGA	7628
TJU_CMC.ID07633.3p-miR	16	-	71193958	71193977	TAGCAGCACTGCCATATTGC	7629
TJU_CMC.ID07634.3p-miR	16	+	71441620	71441642	AAGCAGCAGCCAAAATCAGTGTT	7630
TJU_CMC.ID07635.3p-miR	16	-	71471448	71471470	GCAACAGCATCACCAACACATCG	7631
TJU_CMC.ID07636.5p-miR	16	+	71514098	71514117	AGATGTTGGTATTGAACTTC	7632
TJU_CMC.ID07637.5p-miR	16	+	71518572	71518591	CTAGGATGCCGGAGCGGTCT	7633
TJU_CMC.ID07638.3p-miR	16	-	71792365	71792385	GTTGGAGGATGAAAGTACGGA	7634
TJU_CMC.ID07639.3p-miR	16	-	71967890	71967912	TGCGGGTCATCAGCAGGACACTG	7635
TJU_CMC.ID07640.5p-miR	16	-	72326179	72326198	GCGATAGTCTCTTCATATCA	7636
TJU_CMC.ID07641.3p-miR	16	+	72825031	72825051	ACACATCAGACGTGTGACCCT	7637
TJU_CMC.ID07642.3p-miR	16	+	73083231	73083251	ACAATAATGAACCATGCAAGT	7638
TJU_CMC.ID07643.5p-miR	16	+	73091884	73091903	GCCGGGAGCGGCGGGGGCGG	7639
TJU_CMC.ID07644.3p-miR	16	+	73857582	73857603	GAGACCATCAGACCCGCAAAAC	7640
TJU_CMC.ID07645.5p-miR	16	+	73919386	73919407	CTGAATCTCTGAAAAGGGGAAG	7641
TJU_CMC.ID07646.5p-miR	16	+	74620617	74620636	ATGTAGTCTCGCTATTGTTG	7642
TJU_CMC.ID07647.3p-miR	16	+	74703660	74703679	GAGAATTTTCACTGTAACTC	7643
TJU_CMC.ID07648.3p-miR	16	-	74988455	74988474	TCCACAGTGGCTAAACCTTT	7644
TJU_CMC.ID07649.5p-miR	16	-	75350325	75350347	TATAGGCGTGAGCCAGCACACTG	7645
TJU_CMC.ID07650.3p-miR	16	+	76014308	76014327	ATAAGGTTAATGCATATGTG	7646

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TJU_CMC.ID07651.3p-miR	16	-	76268583	76268602	ACTACTGCTTCATTCTACAT	7647
TJU_CMC.ID07652.3p-miR	16	-	76606345	76606365	CCTCCCAAGAGAACATGGTCA	7648
TJU_CMC.ID07653.5p-miR	16	-	77095132	77095152	GCAGACCATTAGGAAGAACTG	7649
TJU_CMC.ID07654.3p-miR	16	+	77442196	77442215	ACCGAAGCTGAATTTGCACA	7650
TJU_CMC.ID07655.3p-miR	16	-	77941842	77941863	GTCCAGCCCTTTTGATGGCTTT	7651
TJU_CMC.ID07656.3p-miR	16	-	78466402	78466421	GTCCAGTTTTCCCAAGGAGT	7652
TJU_CMC.ID07657.5p-miR	16	-	78474767	78474789	TCCCACCACACTTTGGAAGGCCA	7653
TJU_CMC.ID07658.3p-miR	16	+	78826068	78826087	TTCGATTCTCGCCATCTCTG	7654
TJU_CMC.ID07659.5p-miR	16	-	79044663	79044686	CATGGTTTCCCCTCTGCTGGCAGC	7655
TJU_CMC.ID07660.5p-miR	16	-	79224449	79224470	ACTGTCGTGCCAGTTTAATCCA	7656
TJU_CMC.ID07661.5p-miR	16	-	79330695	79330716	GCAGAGGGTAATGCTAGGTGGT	7657
TJU_CMC.ID07662.3p-miR	16	-	79534623	79534642	TACTCTTCTAGTAAAAAATC	7658
TJU_CMC.ID07663.3p-miR	16	+	79897744	79897766	GGAGTTTCAGCTTGATTGCATTA	7659
TJU_CMC.ID07664.3p-miR	16	-	80649634	80649654	TCTGCACGCCTGGTCCCCTTT	7660
TJU_CMC.ID07665.5p-miR	16	+	81173073	81173094	TGGAGGGGAGGAGGGCGGGTGC	7661
TJU_CMC.ID07666.3p-miR	16	-	81186416	81186438	CAAAGTGCTGCAATTGCAGACGT	7662
TJU_CMC.ID07667.3p-miR	16	+	81206161	81206182	TGGCTCAGCCTGACAGGCTTTC	7663
TJU_CMC.ID07668.3p-miR	16	+	81352408	81352429	TCAGAGAGGACTGGCATCCCCG	7664
TJU_CMC.ID07669.5p-miR	16	+	81567510	81567532	CTTCCATCTCCATCACCTTGAGC	7665
TJU_CMC.ID07670.3p-miR	16	+	81706024	81706047	TGTGCACTGTACACATACATGTGA	7666
TJU_CMC.ID07671.5p-miR	16	-	81714827	81714847	TGTTGGGAAAATACAGTTATC	7667
TJU_CMC.ID07672.3p-miR	16	+	81780217	81780239	AGGCAGAGAATAAGAGCAATATA	7668
TJU_CMC.ID07673.5p-miR	16	+	82164085	82164106	TTGGGTCATGGAGGTGGATTCT	7669
TJU_CMC.ID07674.3p-miR	16	+	82328012	82328033	AGCAGCCTTGTACAGGGCAGAA	7670
TJU_CMC.ID07675.3p-miR	16	+	82380832	82380851	TAGCAGCACATCATAGCGGT	7671
TJU_CMC.ID07676.3p-miR	16	+	82455902	82455921	ATCACATTGGGTCCTCCCAG	7672
TJU_CMC.ID07677.5p-miR	16	+	82674933	82674952	GCAAGTTGTTGGACTGTCAG	7673
TJU_CMC.ID07678.3p-miR	16	+	82927311	82927330	GACTTTTAATCATTGGGCCA	7674
TJU_CMC.ID07679.5p-miR	16	+	83131075	83131095	AAAATAATGAACCATGCATAA	7675

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TJU_CMC.ID07680.3p-miR	16	-	83699308	83699330	TATGCAAGCTTGCATGCTTGACT	7676
TJU_CMC.ID07681.3p-miR	16	-	83728211	83728232	AGAGACACTCTTTAGTGTGGGA	7677
TJU_CMC.ID07682.3p-miR	16	+	84004088	84004108	CTCCCATAGCTGTGCTTCAGT	7678
TJU_CMC.ID07683.3p-miR	16	-	84448158	84448179	TATCAGCACATCATGCAACACT	7679
TJU_CMC.ID07684.5p-miR	16	+	84662115	84662136	TCAAATCTCTGAAAAGGGGCTC	7680
TJU_CMC.ID07685.3p-miR	16	+	84828207	84828226	ATAGTTTTTATTTTCATAAC	7681
TJU_CMC.ID07686.5p-miR	16	+	84910951	84910970	GCCCTGGTAGTCTAGTGGCC	7682
TJU_CMC.ID07687.3p-miR	16	+	85256050	85256070	GTCCAGTGCCTTTGAGTTAGG	7683
TJU_CMC.ID07688.3p-miR	16	+	85337753	85337773	ATCCCATTGCCAGGGAATACA	7684
TJU_CMC.ID07689.3p-miR	16	+	86117330	86117351	TGGGACTCTGGAGCCAGACACA	7685
TJU_CMC.ID07690.5p-miR	16	-	86318385	86318404	TTGCGCTGGCTCTTTAAGAG	7686
TJU_CMC.ID07691.3p-miR	16	+	86415421	86415442	GTGCACCGATTGTGTGGCTGGA	7687
TJU_CMC.ID07692.3p-miR	16	+	86431452	86431472	GGTGGCTCTGCCCAAGGTGCA	7688
TJU_CMC.ID07693.5p-miR	16	+	86477559	86477578	CGCGACCTCCTCGACTTCCG	7689
TJU_CMC.ID07694.3p-miR	16	-	86606737	86606756	AACACACGTTCCCAAGGTGC	7690
TJU_CMC.ID07695.3p-miR	16	-	86623721	86623742	TAGCACACAGAGACAAGCAGGG	7691
TJU_CMC.ID07696.3p-miR	16	+	86696056	86696075	GCTGCTAATGAAGCTCTTTC	7692
TJU_CMC.ID07697.3p-miR	16	-	86751766	86751785	CATTCACGAGCTTAGGACAG	7693
TJU_CMC.ID07698.3p-miR	16	+	86836762	86836783	TCGCTGTGATGAGTGATGGGGA	7694
TJU_CMC.ID07699.5p-miR	16	-	87120589	87120608	GCCTCCTATGAATTGGCAGC	7695
TJU_CMC.ID07700.5p-miR	16	-	87179044	87179065	TACGTCAACACTGGGCGGGGAT	7696
TJU_CMC.ID07701.5p-miR	16	-	87783815	87783834	GAAAGACCCCGTGGAGCTTG	7697
TJU_CMC.ID07702.5p-miR	16	+	88018419	88018441	ATATTCCAGCCGACAGCTCGTGC	7698
TJU_CMC.ID07703.5p-miR	16	-	88039722	88039743	CCCGGCACCTTCACCACAATGG	7699
TJU_CMC.ID07704.5p-miR	16	+	88106840	88106860	CGCGACAGCCGTGTGATGATG	7700
TJU_CMC.ID07705.5p-miR	16	-	88797775	88797797	TCGGCCGTGATGCCTCACACCCA	7701
TJU_CMC.ID07706.3p-miR	16	-	88833739	88833759	TCTCCCAGCACAGCCCCCCTGA	7702
TJU_CMC.ID07707.3p-miR	16	-	88961238	88961257	CCCCTCCTCCTCGGCGCACA	7703
TJU_CMC.ID07708.3p-miR	16	+	89100940	89100961	GAGCTTCCCTGACCCCTGGGTG	7704
TJU_CMC.ID07709.5p-miR	16	-	89108857	89108877	CAGCAGCACACTGTGACCCAA	7705
TJU_CMC.ID07710.3p-miR	16	+	89114648	89114670	GCTGCCGCGCCGCCCTCCAGGCG	7706

Table 1. Novel miRNA sequences

TJU_CMC.ID07711.3p-miR	16	-	89199730	89199751	CGGTGTCACTCAACGTGGGCAG	7707
TJU_CMC.ID07712.5p-miR	16	-	89461194	89461213	CTCTCGGGGCCATATATTAT	7708
TJU_CMC.ID07713.5p-miR	16	+	89928043	89928063	CGGCAGTGTCTTAGCTGTGTG	7709
TJU_CMC.ID07714.5p-miR	17	+	101437	101459	AGCAGCAAACACACAGCAGCCAC	7710
TJU_CMC.ID07715.3p-miR	17	+	912657	912679	GAGGTTACTACTGGTTACGGGAC	7711
TJU_CMC.ID07716.3p-miR	17	-	990773	990792	GCCCCGCCCTCTTTTAAAAG	7712
TJU_CMC.ID07717.3p-miR	17	+	1552420	1552443	CCGCCCCCGGAGCCCCGCCCAGCG	7713
TJU_CMC.ID07718.3p-miR	17	-	2614433	2614456	GCACCTGCTCCGCGGCGGCCTCCC	7714
TJU_CMC.ID07719.3p-miR	17	-	3305569	3305588	TGGAGCAGGATGTCAGGTCA	7715
TJU_CMC.ID07720.3p-miR	17	-	3755467	3755488	CAGGATGAAAAGAAGCAGACGG	7716
TJU_CMC.ID07721.5p-miR	17	-	3806639	3806659	TCAACACCTTCCACCCCCACA	7717
TJU_CMC.ID07722.3p-miR	17	+	3926493	3926514	GTCCAGTTTTCCCAAAGCTGAC	7718
TJU_CMC.ID07723.5p-miR	17	+	3983415	3983436	AGTAGCTTAGGGTGGGATCTAG	7719
TJU_CMC.ID07724.3p-miR	17	+	4027713	4027733	TAGCACCTCGACTTTAGCTGG	7720
TJU_CMC.ID07725.3p-miR	17	+	4048986	4049007	TCTAGTTGGGAAGCAGTTATGT	7721
TJU_CMC.ID07726.5p-miR	17	-	4089567	4089586	CTAAGTGATGATGTATAACT	7722
TJU_CMC.ID07727.5p-miR	17	+	4437696	4437717	TCATGGCCCTCTGGGCGTGGCA	7723
TJU_CMC.ID07728.3p-miR	17	+	4864277	4864297	CATCAAGCATTTATTGATGTT	7724
TJU_CMC.ID07729.5p-miR	17	-	5142806	5142825	GAGTTGGGTTAAATTGCCAG	7725
TJU_CMC.ID07730.3p-miR	17	-	5288414	5288435	ACAGTAGAGACCACTAACCATT	7726
TJU_CMC.ID07731.5p-miR	17	-	5395064	5395086	TGACCATACTTAACTGTATTAAG	7727
TJU_CMC.ID07732.5p-miR	17	+	5429168	5429187	TCGTATTACAGATAAAATGC	7728
TJU_CMC.ID07733.5p-miR	17	+	5527192	5527214	TATAGACACCTGATGACTGTGGC	7729
TJU_CMC.ID07734.5p-miR	17	-	5556263	5556286	AAGCTCCCACTCACAGCACCAGTG	7730
TJU_CMC.ID07735.3p-miR	17	-	5606216	5606237	CAGACTGGGTGATTTATTTTTC	7731
TJU_CMC.ID07736.5p-miR	17	+	5633577	5633598	GTCACAGTGGCTACTGGAAGGC	7732
TJU_CMC.ID07737.3p-miR	17	+	6303757	6303779	AAGCTTATCAGACACATGTGATG	7733
TJU_CMC.ID07738.5p-miR	17	+	6459921	6459940	CGCGCCCCCCCCCACCCCA	7734
TJU_CMC.ID07739.5p-miR	17	+	6533662	6533683	GGCTGTGGGAAGCAGGCGCCCT	7735
TJU_CMC.ID07740.3p-miR	17	-	6802533	6802554	CAAAGGTTAATGCACTTGGGAT	7736
TJU_CMC.ID07741.5p-miR	17	+	6952468	6952489	ATCTGTGGGCAGGGGCGTTCCA	7737

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TJU_CMC.ID07742.3p-miR	17	-	6955596	6955617	ACACGTCCGAGGAGCAGCAGCT	7738
TJU_CMC.ID07743.5p-miR	17	-	7077558	7077577	GGTGGAGCACGAGCGCAGCT	7739
TJU_CMC.ID07744.3p-miR	17	-	7153909	7153931	GATTTATTGAAGACTAAAGCAGA	7740
TJU_CMC.ID07745.3p-miR	17	+	7321389	7321408	TTCCCGCGTGGAGGTGTGCT	7741
TJU_CMC.ID07746.3p-miR	17	+	7333694	7333713	CCCAGCCCTGCTCCAGCACT	7742
TJU_CMC.ID07747.3p-miR	17	+	7490751	7490773	GAGATCCCCTGATGGCTGGGACC	7743
TJU_CMC.ID07748.3p-miR	17	+	7514300	7514322	TCTAGGAGAAGAGCAGGAACAGT	7744
TJU_CMC.ID07749.3p-miR	17	-	7738774	7738795	TCGGTCCCTAACCCCCTCCGGA	7745
TJU_CMC.ID07750.3p-miR	17	-	8061268	8061287	CAGGAGAATCGCCACCGCGC	7746
TJU_CMC.ID07751.3p-miR	17	-	8725974	8725995	CCTCTTCTCATCTCCCCACAGA	7747
TJU_CMC.ID07752.5p-miR	17	-	8776157	8776176	GGGGGTGTAGCTCAGTGTGT	7748
TJU_CMC.ID07753.5p-miR	17	+	8934671	8934692	TGAGTACCCAGCAAATAAATGT	7749
TJU_CMC.ID07754.3p-miR	17	+	8941381	8941402	GAGTCTGGGCTTGAGATAGGCC	7750
TJU_CMC.ID07755.5p-miR	17	-	9570003	9570025	GAGGAAGCTGAGCTGATGGTGAC	7751
TJU_CMC.ID07756.3p-miR	17	-	9706027	9706046	CCAGATTGACCCCCAGTCTG	7752
TJU_CMC.ID07757.3p-miR	17	-	10141307	10141328	CTAGCTTTAGAATCTTCCACCA	7753
TJU_CMC.ID07758.3p-miR	17	-	10283948	10283969	ACTGGACTTGGAGTCAAAAGAT	7754
TJU_CMC.ID07759.5p-miR	17	-	10710712	10710731	CATCTTATGTCTGTGATGTT	7755
TJU_CMC.ID07760.5p-miR	17	+	10889300	10889321	TCTCAACCAAAGGTAGCCAGTG	7756
TJU_CMC.ID07761.5p-miR	17	+	10965131	10965153	ATAGTCTCATCACAGGGCTATGA	7757
TJU_CMC.ID07762.3p-miR	17	-	11240169	11240188	AGCTCCCACACAGGTCTGCT	7758
TJU_CMC.ID07763.3p-miR	17	-	12110850	12110869	ATCCCAAATAGTAACATGAG	7759
TJU_CMC.ID07764.3p-miR	17	-	12847084	12847106	ATCTACAGGTGATGCTGTTGGGC	7760
TJU_CMC.ID07765.3p-miR	17	-	12971929	12971948	TGAATTGCAGGACACATAGC	7761
TJU_CMC.ID07766.3p-miR	17	-	13190594	13190615	TGGAAGTGTCTTAGTCAGCTGT	7762
TJU_CMC.ID07767.5p-miR	17	-	13748820	13748839	AAGAGACATGAGAGGTGATG	7763
TJU_CMC.ID07768.3p-miR	17	+	13893547	13893569	TGTCCTGCTGCTGGGCGTGGTGG	7764
TJU_CMC.ID07769.3p-miR	17	+	14703987	14704008	AGGGAACAAATGCACTATCTTC	7765
TJU_CMC.ID07770.3p-miR	17	+	14843189	14843209	AGCGTTCTACCTGGCTTAGCT	7766
TJU_CMC.ID07771.5p-miR	17	-	16229153	16229172	AAGATAATGTAGAGGCGGCG	7767
TJU_CMC.ID07773.3p-miR	17	+	16425743	16425762	ATAAACGATGCCGACCGACA	7768

Table 1. Novel miRNA sequences

TJU_CMC.ID07774.5p-miR	17	+	16772806	16772828	CAGTTGCTGCTTGGTGTGCTGTC	7769
TJU_CMC.ID07775.5p-miR	17	-	16783570	16783589	GCCTCGTCCTACAGCCTAGC	7770
TJU_CMC.ID07776.5p-miR	17	-	16909276	16909299	CAGTTGCTGCTTGGTGTGTTGTCC	7771
TJU_CMC.ID07777.3p-miR	17	+	17062604	17062624	CTAGATGGTTTCCTCGTTCTG	7772
TJU_CMC.ID07778.5p-miR	17	+	17084541	17084560	TAGGTGCCATTGAAGGCCCT	7773
TJU_CMC.ID07779.5p-miR	17	-	17184991	17185012	ACAGTCAAGTGACCCGCTCAAC	7774
TJU_CMC.ID07780.3p-miR	17	+	17285808	17285829	CATGAACCGGCATGTCTCTGAG	7775
TJU_CMC.ID07781.3p-miR	17	+	17832074	17832095	GAATAGAACATAAATAGCTGCT	7776
TJU_CMC.ID07782.3p-miR	17	-	18157227	18157250	TATGATGATGCCTTAACACTGACT	7777
TJU_CMC.ID07783.3p-miR	17	+	18847277	18847298	GCCGGTATAGCTACTTTGGAAG	7778
TJU_CMC.ID07784.5p-miR	17	-	19574973	19574995	GATGATGCAAGCTACTTCTGTCT	7779
TJU_CMC.ID07785.3p-miR	17	+	19652819	19652839	GAACATCATCTGAGCTGAGTG	7780
TJU_CMC.ID07786.5p-miR	17	-	19798930	19798952	TCCCTGAGACCCTTTCTGGAGGT	7781
TJU_CMC.ID07787.5p-miR	17	-	21215246	21215269	CTCCTCCGACCCAGCCAGCAGGAC	7782
TJU_CMC.ID07788.3p-miR	17	-	21283776	21283797	AACATCTGCCTCTCTTGCCCCC	7783
TJU_CMC.ID07789.3p-miR	17	-	21813672	21813695	TCAAATGGCAATGCCTGGATTTAA	7784
TJU_CMC.ID07790.5p-miR	17	+	22019276	22019298	GCAACAGCCTTCATAGGCTAGGT	7785
TJU_CMC.ID07791.5p-miR	17	-	25919824	25919846	CGGCTGTACCACCACAACTTAAA	7786
TJU_CMC.ID07792.5p-miR	17	+	26080079	26080101	GGCCGTGATGAAACAACCTGAGT	7787
TJU_CMC.ID07793.3p-miR	17	-	26292372	26292391	GGAACCTAGTGAGCCGAGCA	7788
TJU_CMC.ID07794.3p-miR	17	+	26488164	26488186	CTCCTTAACTTAAAACTTCAAGA	7789
TJU_CMC.ID07795.5p-miR	17	+	26553355	26553375	CCAAGGTATTACTGAGCAGAG	7790
TJU_CMC.ID07796.5p-miR	17	-	26871389	26871410	TGCTGTTGTAGTTTATGGGGTT	7791
TJU_CMC.ID07797.5p-miR	17	+	27055117	27055139	TACTGACCCACTACCGCCCCCAT	7792
TJU_CMC.ID07798.3p-miR	17	+	27148658	27148678	TTTTTGGAAATAGGAGTCCAT	7793
TJU_CMC.ID07799.3p-miR	17	+	27454232	27454253	AAACCTGGCAGTTTATCCTCTA	7794
TJU_CMC.ID07800.3p-miR	17	+	27619892	27619911	CCGGCGACGGGGGGGGGGGC	7795
TJU_CMC.ID07801.3p-miR	17	-	27632054	27632075	TATTGCACTGAGAAATTAAGTC	7796
TJU_CMC.ID07802.3p-miR	17	+	27899889	27899908	CCCCTCCTCCCGCCCACGCC	7797
TJU_CMC.ID07803.5p-miR	17	+	28187139	28187161	TATAGGCGTGAGTCAGCATGCCG	7798
TJU_CMC.ID07804.3p-miR	17	+	28207922	28207941	TGGCTCAGTTCAGGAGTCTT	7799

Table 1. Novel miRNA sequences

TJU_CMC.ID07805.5p-miR	17	+	28285639	28285660	TGTGACTCTGGGATTGGTCACT	7800
TJU_CMC.ID07806.3p-miR	17	-	28775314	28775336	TGATCATAGTTCAACGTAAACTG	7801
TJU_CMC.ID07807.5p-miR	17	+	29791151	29791172	TCCTGTGCCAGACCCGCAGGTT	7802
TJU_CMC.ID07808.5p-miR	17	+	29830755	29830774	CTTGAAGCTCATGTTGGTCT	7803
TJU_CMC.ID07809.5p-miR	17	+	30086048	30086069	CATTATTATAAAAATGCATATG	7804
TJU_CMC.ID07810.3p-miR	17	-	30186098	30186117	GAGCGCCGCGTGGGGGCCAG	7805
TJU_CMC.ID07811.5p-miR	17	-	30817218	30817238	AGTCTGTGCCAGCAGCCGCAG	7806
TJU_CMC.ID07812.5p-miR	17	-	31027366	31027386	GCGGCCTATCAGATCAGCAGC	7807
TJU_CMC.ID07813.3p-miR	17	+	31144088	31144110	TTATCTGCTAGCTACTTCACAGT	7808
TJU_CMC.ID07814.3p-miR	17	-	31272684	31272706	AGCAGCTAACATGTCCTGAGCAT	7809
TJU_CMC.ID07815.5p-miR	17	-	31731707	31731728	CTGCTCTCTGGGATTTCCACAG	7810
TJU_CMC.ID07816.5p-miR	17	-	31779650	31779671	GAGGTCGTGCATGGCATCATTA	7811
TJU_CMC.ID07817.5p-miR	17	-	32339871	32339893	GCTTGACCTTCCCAGGAAAAAAG	7812
TJU_CMC.ID07818.3p-miR	17	-	32408135	32408156	CAGTGCAATTGGCCCCTGGAGC	7813
TJU_CMC.ID07819.5p-miR	17	+	32437866	32437885	ATTTTTTGTGATCATATCGT	7814
TJU_CMC.ID07820.5p-miR	17	-	32706198	32706218	ACAGGTAGTAGGTTGCGTAGT	7815
TJU_CMC.ID07821.3p-miR	17	-	32709851	32709872	TTCTGTGGGCTCAGGCGTCCCA	7816
TJU_CMC.ID07822.3p-miR	17	-	33236874	33236894	GACGTAGATGCTGGCTGCTAG	7817
TJU_CMC.ID07823.5p-miR	17	+	33319503	33319524	GGCAGTGGTTTTGTTTCCTTGT	7818
TJU_CMC.ID07824.5p-miR	17	-	33747305	33747325	TGGAATGGCAACGGCAGAGAC	7819
TJU_CMC.ID07825.5p-miR	17	+	35185734	35185753	GTCCAGTTTTCCCAGAGGAC	7820
TJU_CMC.ID07826.3p-miR	17	-	35443324	35443345	TGGAGAGCCAGTGAGATAGATA	7821
TJU_CMC.ID07827.3p-miR	17	-	35847412	35847431	TCTTTAAATAATATGTTGCC	7822
TJU_CMC.ID07828.5p-miR	17	-	35887137	35887158	TCAGGAGAACAGTTTATTTTCA	7823
TJU_CMC.ID07829.5p-miR	17	+	35942842	35942863	ATCTGTAGTCCCGGTTACTCAC	7824
TJU_CMC.ID07830.5p-miR	17	-	36037124	36037145	TGAGTCAGGCATGGTAGTGGGT	7825
TJU_CMC.ID07831.3p-miR	17	-	36486977	36486996	GCGCCCACAACCTGACGGTG	7826
TJU_CMC.ID07832.3p-miR	17	+	36515577	36515598	GGCACTCAATTCTGCGGTAGGA	7827
TJU_CMC.ID07833.5p-miR	17	+	36601011	36601030	GAGACTTCTCCTGGGCACCA	7828
TJU_CMC.ID07834.3p-miR	17	-	36770174	36770196	AGCAGTGAAAGGGTCCTTAGGGT	7829
TJU_CMC.ID07835.3p-miR	17	-	36853138	36853160	CTGGGCTGTAAGGACAGCAGGGG	7830

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TJU_CMC.ID07836.5p-miR	17	-	36918090	36918112	ACTGTCTTTGCTCAGGACCTCAG	7831
TJU_CMC.ID07837.5p-miR	17	-	36919011	36919032	TCCCTGAGACTTCGGAGACATT	7832
TJU_CMC.ID07838.3p-miR	17	+	37022955	37022976	GAAATTCCGTCTCTGGGCAACA	7833
TJU_CMC.ID07839.3p-miR	17	-	37201702	37201722	TTCACTGCCCCTGGGATAGGA	7834
TJU_CMC.ID07840.3p-miR	17	-	37236264	37236285	TGGCTCAGTTCAGCCATCCCTG	7835
TJU_CMC.ID07841.3p-miR	17	-	37243501	37243520	AGCCCCCAGAAAAGGTGATC	7836
TJU_CMC.ID07842.5p-miR	17	-	37387137	37387158	TGTCCTGGGTGACCCATGGGGC	7837
TJU_CMC.ID07843.5p-miR	17	-	37612364	37612383	TGCTCTTGAAGTCCTCGGCT	7838
TJU_CMC.ID07844.3p-miR	17	-	37751249	37751271	GTCCAATTTCTTCAGGAATCCAG	7839
TJU_CMC.ID07845.5p-miR	17	+	37834449	37834470	TCTACTACAGCTGCAACCTACC	7840
TJU_CMC.ID07846.3p-miR	17	+	38153736	38153757	CTCACTTGCCTCTCTCCCCAGG	7841
TJU_CMC.ID07847.3p-miR	17	-	38172156	38172179	GGATGTTGGCCCTGCAGTTCCATC	7842
TJU_CMC.ID07848.3p-miR	17	-	38278945	38278968	CGGGCCCGCCCAGCGCCGCAGCCC	7843
TJU_CMC.ID07849.5p-miR	17	-	38461741	38461762	TTCAAGTAATCCTCCCGCTGCT	7844
TJU_CMC.ID07850.3p-miR	17	+	38470976	38470997	TGGTGACTAAGTCACTTCTGTC	7845
TJU_CMC.ID07851.5p-miR	17	+	38599552	38599574	CGGCGGCGGCGGCGACTCAGGAC	7846
TJU_CMC.ID07852.5p-miR	17	+	38720685	38720704	TTTTTAAAGCCAACCCTTTG	7847
TJU_CMC.ID07853.3p-miR	17	+	39191029	39191050	GGAGCAGCTGGGATATCCACAG	7848
TJU_CMC.ID07854.5p-miR	17	+	39296490	39296511	AGCTAGGGCGGCAGCAGGTGGT	7849
TJU_CMC.ID07855.5p-miR	17	+	39468024	39468045	TTCAAGTAATATGAAGGCTCAA	7850
TJU_CMC.ID07856.3p-miR	17	+	39843700	39843719	GCAGTCCATGGGCATGCATA	7851
TJU_CMC.ID07857.3p-miR	17	+	39847328	39847348	AGCAATACCGTCATGTTTCAG	7852
TJU_CMC.ID07858.3p-miR	17	+	39925229	39925249	GCGGACCAGAGCAGGGATGCC	7853
TJU_CMC.ID07859.5p-miR	17	-	40830167	40830188	ATCGCCGCTGAGTCAGCAACGC	7854
TJU_CMC.ID07860.3p-miR	17	+	41390097	41390120	CTACAAAAAATTAAAAACTTAAAA	7855
TJU_CMC.ID07861.5p-miR	17	-	41487351	41487373	TGCTTACATCTATGCAAAGTCAG	7856
TJU_CMC.ID07862.3p-miR	17	+	41659932	41659953	GGGACCAGGCTAAACAGTGTTG	7857
TJU_CMC.ID07863.5p-miR	17	-	41956216	41956237	TGGAGGGCTGAGTCAGCGTCAG	7858
TJU_CMC.ID07864.5p-miR	17	-	42537883	42537904	CCAGTGCTGATGTCTTGTTACT	7859
TJU_CMC.ID07865.5p-miR	17	+	42836454	42836475	CCCCGCGCCCCCGCCCCGGCTC	7860
TJU_CMC.ID07866.3p-miR	17	-	42956878	42956899	TCTCATCCACCTGTTATGTTTG	7861

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TJU_CMC.ID07867.3p-miR	17	+	43249529	43249551	AAGCTCCAGTTTACAAGACACCC	7862
TJU_CMC.ID07868.3p-miR	17	+	43344825	43344845	TGAGCTGGGGTTTCTGGCAGG	7863
TJU_CMC.ID07869.3p-miR	17	+	43897075	43897096	TCCCTGAGACTGCGGTCCACTG	7864
TJU_CMC.ID07870.5p-miR	17	-	44852512	44852532	AGCAGTAACAGTTGCCAAATG	7865
TJU_CMC.ID07871.3p-miR	17	+	44924796	44924818	TAGTGCAATGTTGCAAGGGCATT	7866
TJU_CMC.ID07872.3p-miR	17	+	45197275	45197296	TCTCAACCAAAGGTAACCACAC	7867
TJU_CMC.ID07873.3p-miR	17	-	45360838	45360859	TCTCCAGAGCCCTTGTCGCTGA	7868
TJU_CMC.ID07874.3p-miR	17	-	46709857	46709878	ACAACAACATTAAACCACCCGA	7869
TJU_CMC.ID07875.3p-miR	17	-	46719965	46719987	CCCGACAGGGAGGTGGCCGGGCG	7870
TJU_CMC.ID07875.5p-miR	17	-	46720006	46720028	GCGACTGCCTCCCTGCTGTGAGC	7871
TJU_CMC.ID07876.5p-miR	17	+	46820657	46820678	GAGTACCAGGATGCCCACTCCT	7872
TJU_CMC.ID07877.5p-miR	17	-	47025071	47025090	GGTCCTTTTTTTATTTTTTT	7873
TJU_CMC.ID07878.3p-miR	17	-	47261361	47261381	CAGCTGCCAGACCCGCAACTG	7874
TJU_CMC.ID07879.3p-miR	17	+	47823406	47823427	GGAGATGCCACTGTTATGAAGT	7875
TJU_CMC.ID07880.5p-miR	17	-	48129182	48129201	CTATGTACCAATCCTGGGCT	7876
TJU_CMC.ID07881.5p-miR	17	-	48366823	48366842	AGCGGCTGTGCAAAAACAAA	7877
TJU_CMC.ID07882.5p-miR	17	-	48413495	48413516	TATACTGGTGTCTTTATTTTTG	7878
TJU_CMC.ID07883.3p-miR	17	-	48585906	48585925	CCCGCGCGGGGGCGCGCATC	7879
TJU_CMC.ID07884.3p-miR	17	+	48618767	48618786	TCCCACGTCGGGCGCCAATC	7880
TJU_CMC.ID07885.3p-miR	17	+	48828032	48828052	GATAAGACCTCAGATCAGACA	7881
TJU_CMC.ID07886.5p-miR	17	+	48925255	48925276	TATAAGTGTGCTGCATAAATGT	7882
TJU_CMC.ID07887.3p-miR	17	+	48997071	48997090	CCTCTCCGCCCCCGGCATC	7883
TJU_CMC.ID07888.5p-miR	17	+	49059472	49059491	CAGTGCAATGTTATTTCTGT	7884
TJU_CMC.ID07889.3p-miR	17	+	49313462	49313483	TTTACATACCTATAGATATGTC	7885
TJU_CMC.ID07890.3p-miR	17	-	49967250	49967271	GAAAGTCTCAAAGCATGATGTC	7886
TJU_CMC.ID07891.5p-miR	17	+	50330817	50330838	CATCAAGGGAAGTTTATTTTTG	7887
TJU_CMC.ID07892.3p-miR	17	+	50630234	50630253	GGTAGTTAGTCTAGTCTGCA	7888
TJU_CMC.ID07893.5p-miR	17	-	50840496	50840517	TAGCAGCAAGTACCAGCACCCA	7889
TJU_CMC.ID07894.5p-miR	17	+	51028026	51028048	GTAATCAAAAGGGTCCTTAAAAG	7890

Table 1. Novel miRNA sequences

TJU_CMC.ID07895.5p-miR	17	-	53175039	53175060	ATCTGTAGTAAAAACTACAGGC	7891
TJU_CMC.ID07896.5p-miR	17	-	53268642	53268663	CTCCCAGGTGGCACATATGCAC	7892
TJU_CMC.ID07897.3p-miR	17	+	53999925	53999947	TCTCCTGACCCTTGTACTGACTG	7893
TJU_CMC.ID07898.3p-miR	17	-	54604351	54604373	TAAGAATAGCTCATGATGTTGAA	7894
TJU_CMC.ID07899.3p-miR	17	+	54821273	54821292	GGACACTGACGCGGACCTTA	7895
TJU_CMC.ID07900.5p-miR	17	-	54849976	54849998	TGATCCGCTGAGTAAGCACCTCC	7896
TJU_CMC.ID07901.5p-miR	17	+	55208454	55208475	ATTTCAGGGTTACTCAATGCAC	7897
TJU_CMC.ID07902.3p-miR	17	-	56291871	56291893	TTCTGTTTGTCAAATATTTTGGC	7898
TJU_CMC.ID07903.5p-miR	17	+	56310357	56310379	GAGCTTATCCTCATGGCACCCTG	7899
TJU_CMC.ID07904.5p-miR	17	-	56601052	56601072	CAACATGGCAACGGCAGAGCA	7900
TJU_CMC.ID07905.5p-miR	17	-	57056128	57056150	TGCAGCAAAAGGGTCCTTAGCCT	7901
TJU_CMC.ID07906.3p-miR	17	+	57182668	57182689	GTTACAACAGACTAGCTACTTA	7902
TJU_CMC.ID07907.3p-miR	17	+	59295669	59295689	CGAATTCTCCTAAGATTGTTG	7903
TJU_CMC.ID07908.3p-miR	17	+	59372412	59372431	CAAGCTGAGAATCGCACCTT	7904
TJU_CMC.ID07909.3p-miR	17	+	59487258	59487278	AGGGGTTTGGCTGTGTCCCAC	7905
TJU_CMC.ID07910.5p-miR	17	+	59592913	59592934	GAATAGTGCCTGATGAAGGTGA	7906
TJU_CMC.ID07911.3p-miR	17	+	60965903	60965922	TCTTTAATGTTCTGTGGTCA	7907
TJU_CMC.ID07912.3p-miR	17	-	61561407	61561428	CCCCCCACCCCATCAGAGCAGC	7908
TJU_CMC.ID07913.5p-miR	17	-	61615649	61615668	TCCCCCCCACGCCCCGGGGCA	7909
TJU_CMC.ID07914.5p-miR	17	+	61752351	61752373	TAGAGGTAGTGACCATACACTTG	7910
TJU_CMC.ID07915.3p-miR	17	+	62183996	62184018	TGGATCAGCTGATTTTAAGAAAT	7911
TJU_CMC.ID07916.3p-miR	17	-	63221947	63221966	TCCCACTGCTGCCACCAATC	7912
TJU_CMC.ID07917.5p-miR	17	+	63351434	63351456	AGCGATGGGTGCAAATACTATGG	7913
TJU_CMC.ID07918.3p-miR	17	+	63565089	63565111	CAGCTGTATTTCTTGCTGACACC	7914
TJU_CMC.ID07919.5p-miR	17	+	63873288	63873308	ATCCAGTTTTCCCACCTTGGG	7915
TJU_CMC.ID07920.3p-miR	17	+	64148136	64148156	CATATAATGAAAACACGTATA	7916
TJU_CMC.ID07921.3p-miR	17	-	64784514	64784535	TACGTATTGTCTGGGCCAAAAT	7917
TJU_CMC.ID07922.3p-miR	17	+	64810745	64810767	GGAACTGTTTCCAGAAGGCTTTC	7918
TJU_CMC.ID07923.3p-miR	17	+	64893962	64893983	GTCACTGGGCTTGAGGATATGA	7919
TJU_CMC.ID07924.5p-miR	17	+	65644517	65644538	TCTAATAAGCTCCCTTTATGGG	7920
TJU_CMC.ID07925.5p-miR	17	+	65696601	65696623	AGGCAAGATGCTGGCAGTTTACA	7921

Table 1. Novel miRNA sequences

TJU_CMC.ID07926.3p-miR	17	+	65899227	65899246	CTTCCTCTCTTTCTCGAAAG	7922
TJU_CMC.ID07927.3p-miR	17	+	66095656	66095676	CCCGCCGGGCAGCCCTCGGGA	7923
TJU_CMC.ID07928.3p-miR	17	+	66442260	66442281	TGGCTCAGAATGATGAAGGTCA	7924
TJU_CMC.ID07929.5p-miR	17	+	68069652	68069673	GCAATGGCGATCTGACTCAGCT	7925
TJU_CMC.ID07930.3p-miR	17	-	68862873	68862894	TCTCCCCACCCATGTACCAGTG	7926
TJU_CMC.ID07931.5p-miR	17	-	69406788	69406809	TAAATGAGCAAAGCTAAGTGCT	7927
TJU_CMC.ID07932.3p-miR	17	-	69588464	69588484	ATGTGGAGAAATGTCTGGTGC	7928
TJU_CMC.ID07933.3p-miR	17	-	69749105	69749127	GTAAGATTTAAGAAAGAGAAATTT	7929
TJU_CMC.ID07934.5p-miR	17	-	70477505	70477525	CAAGGAATGTCATTCCTTTAC	7930
TJU_CMC.ID07935.3p-miR	17	+	70681458	70681478	CTCTTTGAAAAGGTGCAACTG	7931
TJU_CMC.ID07936.3p-miR	17	+	70775648	70775669	CATGAGAGGTGTAGGATAAATC	7932
TJU_CMC.ID07937.5p-miR	17	+	71394761	71394782	GAATCTCTCAGGATGCTTGTGA	7933
TJU_CMC.ID07938.3p-miR	17	+	71462024	71462046	TGGGAAAAGTGACCATACCCCAC	7934
TJU_CMC.ID07939.5p-miR	17	-	71640969	71640988	CGGCTCCGGGACCCGCAAAG	7935
TJU_CMC.ID07940.5p-miR	17	+	71727467	71727489	ACCACAGAACGAGGTTGGAAGTG	7936
TJU_CMC.ID07941.3p-miR	17	+	71773624	71773643	TGACCGCTCTGACCACCCCT	7937
TJU_CMC.ID07942.3p-miR	17	+	71895417	71895437	ACCCTCCAAATGGGGACGTTG	7938
TJU_CMC.ID07943.3p-miR	17	+	72051816	72051837	TAGCTGGCTGAGACAGCAGGTC	7939
TJU_CMC.ID07944.5p-miR	17	-	72618566	72618586	AGCGATTTAAAGGAAGAAGAC	7940
TJU_CMC.ID07945.5p-miR	17	+	72673391	72673414	TATTAATCCTAGGGAAAGGTCTGG	7941
TJU_CMC.ID07946.5p-miR	17	+	72793735	72793757	TGTCTCAGAAGTCACTTCACAGT	7942
TJU_CMC.ID07947.3p-miR	17	-	72978352	72978375	TCGACCGACCTCGCGCGCTGCACA	7943
TJU_CMC.ID07949.5p-miR	17	+	73445389	73445410	TCTCCCAACCCCTGTAGTGACA	7944
TJU_CMC.ID07950.5p-miR	17	+	73478099	73478118	TGGGCAACATATCGAGGCCC	7945
TJU_CMC.ID07951.3p-miR	17	+	73632228	73632247	CTTAAGGCCAGAGGGAGCCA	7946
TJU_CMC.ID07952.3p-miR	17	-	73646748	73646769	TGAGGGCTGCTTGGTGTAGTCA	7947
TJU_CMC.ID07953.5p-miR	17	+	73851890	73851911	ACTCAGCAGACGTTTATGGGGC	7948
TJU_CMC.ID07954.3p-miR	17	-	74270473	74270493	GCCCCCCGGCCCCGGCAGCTC	7949
TJU_CMC.ID07955.5p-miR	17	+	74397672	74397691	TAATACTGCCGGGCGCGGTG	7950
TJU_CMC.ID07956.3p-miR	17	+	74400811	74400832	TAGCTTGCTGTCAAATGTTTTG	7951
TJU_CMC.ID07957.5p-miR	17	+	74417786	74417807	TAGCACCATTTGAGATCCATTA	7952

Table 1. Novel miRNA sequences

TJU_CMC.ID07958.5p-miR	17	+	74456744	74456765	ATCTTACTATTGGGCAGTTTGG	7953
TJU_CMC.ID07959.5p-miR	17	+	75030514	75030536	AGGCAGAGCATCAATGCAACTGT	7954
TJU_CMC.ID07960.3p-miR	17	+	75085389	75085411	ACGGTCTGGGGAAAGGCTCCTGT	7955
TJU_CMC.ID07961.3p-miR	17	-	75136730	75136749	GGCTGGGCTTCGCGAGTAGC	7956
TJU_CMC.ID07962.5p-miR	17	+	75355586	75355608	TGATGGCTGCTGGGTGCACTGGC	7957
TJU_CMC.ID07963.3p-miR	17	-	75597191	75597210	GGACCAAGGGAGGCTTCAAG	7958
TJU_CMC.ID07964.5p-miR	17	+	75675458	75675478	AGCACCTGCCGAGCACTGAGA	7959
TJU_CMC.ID07965.3p-miR	17	-	75681266	75681288	AAGTTGTGGCTTGAGATAGTAGG	7960
TJU_CMC.ID07966.5p-miR	17	-	75886907	75886928	AGTTCAGAGGAAGCCAGGTGTC	7961
TJU_CMC.ID07967.3p-miR	17	-	76050855	76050876	ACAGTAGTCTGCAGTAATGTAT	7962
TJU_CMC.ID07968.3p-miR	17	+	76136873	76136895	GAAGCAGCGCCTGTCGCAACTCG	7963
TJU_CMC.ID07969.3p-miR	17	+	76250314	76250334	GGTCTTCGCCGTAGTCGTCGT	7964
TJU_CMC.ID07970.3p-miR	17	+	76308514	76308533	GTGCAGCACCAAGTCACCAT	7965
TJU_CMC.ID07971.5p-miR	17	+	76412465	76412486	CAGAGACTTCCACTGTAGCTCT	7966
TJU_CMC.ID07972.3p-miR	17	+	76699853	76699875	TTCTTGCTGCTGGGTCATCTTCC	7967
TJU_CMC.ID07973.3p-miR	17	-	76916096	76916119	CAGCTGCGAGGAGGGATGCAACAG	7968
TJU_CMC.ID07974.5p-miR	17	+	77023109	77023128	CAGGGACTGGAGCTTCCCAT	7969
TJU_CMC.ID07975.3p-miR	17	-	77434774	77434793	CTGACCTAGTCCGATTGTAG	7970
TJU_CMC.ID07976.3p-miR	17	-	77440011	77440032	TGAGATGAAGTGTCACGGCACT	7971
TJU_CMC.ID07977.3p-miR	17	-	77451852	77451873	CTGTGCGTGTGACAGCAGCTCT	7972
TJU_CMC.ID07978.5p-miR	17	+	77681519	77681540	ACGCAGGCGACCCCCGCCCCTC	7973
TJU_CMC.ID07979.3p-miR	17	-	77965984	77966003	CCCCGGGGAGGGGCCGCCTC	7974
TJU_CMC.ID07980.3p-miR	17	-	78044002	78044022	GCATTGGTGGTGACTGGGACC	7975
TJU_CMC.ID07981.5p-miR	17	+	78187316	78187338	AAATCTGACCCAGGTCCTGTGAC	7976
TJU_CMC.ID07982.5p-miR	17	-	78224096	78224115	AGGAAACTCTGACAAGGGTC	7977
TJU_CMC.ID07983.5p-miR	17	-	78402485	78402505	TCTGTGAGATGCCCCTTTAGT	7978
TJU_CMC.ID07984.5p-miR	17	+	78935531	78935550	GGGTTCCGGGGGGGAGTTGGG	7979
TJU_CMC.ID07985.3p-miR	17	-	79208540	79208561	ATCCAGCCATTGACTCAGCTTG	7980
TJU_CMC.ID07986.5p-miR	17	-	79320027	79320047	TCGGGCGGGCGCGCGGGTCGG	7981
TJU_CMC.ID07987.5p-miR	17	+	79344360	79344379	CAGGAACCGGCCCAGAGTGT	7982
TJU_CMC.ID07988.5p-miR	17	-	79518713	79518733	CCCACGGCGGGGCGCGGGATC	7983

Table 1. Novel miRNA sequences

TJU_CMC.ID07989.5p-miR	17	-	79616066	79616085	ATCCCACTCCTGACACCACA	7984
TJU_CMC.ID07990.3p-miR	17	-	79880933	79880955	GACCACCTGCACTGTGCCCCAGG	7985
TJU_CMC.ID07991.5p-miR	17	-	79895405	79895424	CCGCGTCCTCGGACCCCACG	7986
TJU_CMC.ID07992.3p-miR	17	+	80765283	80765304	GAGAACTTGGGAACATGGCTGT	7987
TJU_CMC.ID07993.5p-miR	17	+	81018536	81018559	CTCTCTTTTCCTCCTCCTCCTGCC	7988
TJU_CMC.ID07994.5p-miR	18	-	390869	390890	TGCTTGCTGCTAAACAGTGACA	7989
TJU_CMC.ID07995.3p-miR	18	+	1033044	1033064	ATCCCATTATCATTGTGTAAT	7990
TJU_CMC.ID07996.3p-miR	18	+	1506204	1506225	TAGCTTATCAAGATGAAATCAG	7991
TJU_CMC.ID07997.5p-miR	18	+	1575213	1575232	CTGACCCGACAGAATAATTA	7992
TJU_CMC.ID07998.3p-miR	18	+	1691857	1691876	ATCCCACTCCTGACACCATT	7993
TJU_CMC.ID07999.3p-miR	18	-	1706073	1706094	AGATCATTGTCAAATACACCAA	7994
TJU_CMC.ID08000.3p-miR	18	+	2124294	2124313	AAAGTATAGATTAAGCCCTT	7995
TJU_CMC.ID08001.3p-miR	18	-	2130299	2130320	TTATGTTATCTGAGGGATTGGC	7996
TJU_CMC.ID08002.3p-miR	18	+	2434414	2434436	ATCTATACTGCTGCAGCTTTGTG	7997
TJU_CMC.ID08003.3p-miR	18	-	2895689	2895711	TCGCCATAGTCTGACTACTTGAC	7998
TJU_CMC.ID08004.3p-miR	18	+	3262658	3262680	CCCGGGCGTGTTCGTGTGGAGCA	7999
TJU_CMC.ID08005.5p-miR	18	-	3269294	3269313	CCCCTTGCCTCTCGGCTCTC	8000
TJU_CMC.ID08006.5p-miR	18	-	3394962	3394983	GTCTTGCTGCCAAACATGTGCG	8001
TJU_CMC.ID08007.5p-miR	18	-	3931964	3931984	AGAAACCAAGGGTGCACAGCA	8002
TJU_CMC.ID08008.3p-miR	18	+	4150069	4150089	GCAGTGGTAGACTTGCTAACC	8003
TJU_CMC.ID08009.5p-miR	18	-	4535506	4535526	ATCATATTTATCTTTGTGCCC	8004
TJU_CMC.ID08010.3p-miR	18	-	4773186	4773208	AAGCAGCATACAAATATTATATG	8005
TJU_CMC.ID08011.3p-miR	18	+	4853161	4853181	GACTCTTAGGCCACAGCCCAG	8006
TJU_CMC.ID08012.5p-miR	18	-	5241731	5241750	GATGCTGAGAATCATTGTAG	8007
TJU_CMC.ID08013.3p-miR	18	+	5323100	5323121	GTAACTGGGGCCCAGGAAGTTT	8008
TJU_CMC.ID08014.5p-miR	18	-	5543458	5543477	GCCGGCCCCTCCCCCGGGGA	8009
TJU_CMC.ID08015.3p-miR	18	-	5895650	5895671	CTTCCGAAGGGACGGGCGGCGG	8010
TJU_CMC.ID08016.5p-miR	18	-	5965695	5965717	CAGGAATAGTCTCTGATGGGTTG	8011
TJU_CMC.ID08017.3p-miR	18	+	6001270	6001292	GTCCAGTTTTCCCCTTCTGGGGA	8012
TJU_CMC.ID08018.3p-miR	18	-	6022175	6022197	CATATGGTGAATATGGTGATGCT	8013
TJU_CMC.ID08019.5p-miR	18	-	6571302	6571321	CACAGCATAAGAATAAAAGT	8014

Table 1. Novel miRNA sequences

TJU_CMC.ID08020.5p-miR	18	-	6936258	6936280	GGAGGTAGGAGGTTGTAAAGAAT	8015
TJU_CMC.ID08021.3p-miR	18	+	7432279	7432298	AGAGCAAGTCTGGTGCCAGC	8016
TJU_CMC.ID08022.3p-miR	18	+	7488768	7488790	ATAGCACCTCTCAGCATGGGTCT	8017
TJU_CMC.ID08023.5p-miR	18	-	7621955	7621975	GTTATCCAATGGAGTTGAAAA	8018
TJU_CMC.ID08024.5p-miR	18	+	7680348	7680370	AATAGCCACTTGCGTACAGCAGC	8019
TJU_CMC.ID08025.5p-miR	18	-	7821084	7821103	TAACACTGAGACCATTCCTA	8020
TJU_CMC.ID08026.3p-miR	18	+	8302015	8302036	AGGGACTCTGGGGTGACCACAG	8021
TJU_CMC.ID08027.5p-miR	18	+	8317532	8317553	TGGAGGAGCTCACTCAGAGAAT	8022
TJU_CMC.ID08028.5p-miR	18	-	9136605	9136625	GCGGCAGGCGGCGGAGGGGTG	8023
TJU_CMC.ID08029.3p-miR	18	-	9188095	9188114	CTGACCTAGGAATTGTGTCT	8024
TJU_CMC.ID08030.3p-miR	18	-	9614568	9614590	TCCTCCTCCCCGCCGCCCCTCCC	8025
TJU_CMC.ID08031.5p-miR	18	+	9914990	9915009	GACGCGCCGGGGAGGTGGAG	8026
TJU_CMC.ID08032.3p-miR	18	+	10040801	10040820	GACTGGATAAGGCCATGAGC	8027
TJU_CMC.ID08033.5p-miR	18	+	10087766	10087785	TGATGAACTCTTGAGGTGAT	8028
TJU_CMC.ID08034.5p-miR	18	-	10248365	10248386	AGAGATGGGATGTCACGGTGTT	8029
TJU_CMC.ID08035.5p-miR	18	+	10295764	10295785	GCAGTAGTCTTACAGCCAAGGC	8030
TJU_CMC.ID08036.5p-miR	18	-	10966340	10966359	CATCCAGAAGGAATGACAGC	8031
TJU_CMC.ID08037.5p-miR	18	-	11294479	11294499	CCAGCTAGAATTTCTAAATGT	8032
TJU_CMC.ID08038.3p-miR	18	+	11427234	11427255	CAGTGCAATGTTGAAAGGGCAT	8033
TJU_CMC.ID08039.5p-miR	18	-	11689788	11689808	ACTCAGCTGCTCGGTGCGCTG	8034
TJU_CMC.ID08040.3p-miR	18	+	11846006	11846025	TGATCTGACCTGATGAGGGA	8035
TJU_CMC.ID08041.3p-miR	18	-	12367536	12367555	CCTGATTGGTAAGCTTTGTA	8036
TJU_CMC.ID08042.5p-miR	18	+	12760790	12760813	TCCCACTGCTTCACTTGACTAGTT	8037
TJU_CMC.ID08043.3p-miR	18	+	12892656	12892677	TAGCTTACTGCAGACTCCAACT	8038
TJU_CMC.ID08044.3p-miR	18	+	12969833	12969852	GTGATCAGAGATCGCCACTG	8039
TJU_CMC.ID08045.5p-miR	18	+	13702164	13702186	GCCAGCAAAAGGGTAAGGCTTTC	8040
TJU_CMC.ID08046.5p-miR	18	-	13749817	13749836	GGGGGAGAAGGGTCGGGGGG	8041
TJU_CMC.ID08047.5p-miR	18	-	13922421	13922442	ACAGCAGGCACAGGCAAGCAGA	8042
TJU_CMC.ID08048.3p-miR	18	+	14022975	14022996	GTAGTGTTTGATTTTATTTTTC	8043
TJU_CMC.ID08049.3p-miR	18	+	14746923	14746944	ACAGGCTTGAGTCACGGCACCA	8044
TJU_CMC.ID08050.5p-miR	18	+	19179391	19179413	ATAGCATAGTTCACTGCAACCTG	8045

Table 1. Novel miRNA sequences

TJU_CMC.ID08051.3p-miR	18	+	19778333	19778352	TGCTTATGCTTCTTGTTGCT	8046
TJU_CMC.ID08052.3p-miR	18	-	19932093	19932114	AGGTTCAGCTGATTTATCTCAA	8047
TJU_CMC.ID08053.3p-miR	18	-	20055070	20055092	TGTCACAAAGGTGGCCGTTTTGG	8048
TJU_CMC.ID08054.5p-miR	18	+	20119847	20119869	AGCTCCATTTCTTGAAGGCTTCT	8049
TJU_CMC.ID08055.5p-miR	18	-	20288785	20288806	AGGGACTCTGGAGCACTTGTGT	8050
TJU_CMC.ID08056.5p-miR	18	-	20370002	20370024	TGCCGATGATGCTGATCTGAGGA	8051
TJU_CMC.ID08057.3p-miR	18	+	21268242	21268264	GTCCAGTTTTCCCAGCAGCGTTT	8052
TJU_CMC.ID08058.3p-miR	18	-	21303178	21303199	CAGAGTAGTAGTTTCATGTCAA	8053
TJU_CMC.ID08059.5p-miR	18	-	21311977	21311997	ATCACATTGCCAGGGCTGCCC	8054
TJU_CMC.ID08060.3p-miR	18	-	21427023	21427042	ACCTGGCAGCAGGGTTCTTG	8055
TJU_CMC.ID08061.5p-miR	18	+	21525371	21525392	TGAGTCATTAGTGGGCATTTAC	8056
TJU_CMC.ID08062.5p-miR	18	+	21722698	21722718	GAGATAGTTTATTCTTGGAAA	8057
TJU_CMC.ID08063.3p-miR	18	-	21824512	21824531	CGTATGGTGGTTCAGTCCTT	8058
TJU_CMC.ID08064.5p-miR	18	-	22895874	22895893	TGCTGATGCCTATGTGGGTT	8059
TJU_CMC.ID08065.5p-miR	18	-	23063937	23063958	TTCAGCATGCTTGAGATAGATG	8060
TJU_CMC.ID08066.3p-miR	18	+	23381591	23381611	TAGCAGCCAGGAGTGCAACTG	8061
TJU_CMC.ID08067.3p-miR	18	+	23670150	23670169	AGCGGCCGCCGCCGGGCGCA	8062
TJU_CMC.ID08068.3p-miR	18	+	24128992	24129014	GGGTCGGGGGCGGCGGCTGCGCCG	8063
TJU_CMC.ID08069.5p-miR	18	-	24297072	24297091	TAGCAGCTGCATTTAATCTT	8064
TJU_CMC.ID08070.5p-miR	18	+	24602052	24602072	CTGACCTATGAATTGCATGTT	8065
TJU_CMC.ID08071.3p-miR	18	+	24887270	24887291	TCTACTACGCAGAAATATGTAT	8066
TJU_CMC.ID08072.3p-miR	18	-	25574605	25574626	TTGCAGTGACAGTTTATTTTTG	8067
TJU_CMC.ID08073.3p-miR	18	-	25633043	25633065	GTTTAGTTTCTTTGAAGGCTTCT	8068
TJU_CMC.ID08074.3p-miR	18	+	25731295	25731315	CTACTAGTGGCTACTGGCTCT	8069
TJU_CMC.ID08075.5p-miR	18	+	25847898	25847917	TTGGTGATTAAGGGCTGTTT	8070
TJU_CMC.ID08076.5p-miR	18	+	26392794	26392816	TACAGCATCCTCTACTTCACAGT	8071
TJU_CMC.ID08077.3p-miR	18	-	26999906	26999927	CGTGGACGGTGCAGAGCCGTGC	8072
TJU_CMC.ID08078.3p-miR	18	-	28112604	28112623	AATAGTTCTGAGCTGAGGTG	8073
TJU_CMC.ID08079.3p-miR	18	-	28252874	28252893	TATAGTTCTATGATCCTGGT	8074
TJU_CMC.ID08080.5p-miR	18	+	28572998	28573019	CAGTAAGATCCTCCCCTCAGCT	8075
TJU_CMC.ID08081.3p-miR	18	+	28682493	28682512	GAGCCGCAGAGGCTGGGTTT	8076

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TJU_CMC.ID08082.3p-miR	18	+	28957051	28957072	CAGCCTCTGTTAATTTCAAACA	8077
TJU_CMC.ID08083.5p-miR	18	+	29260019	29260038	GGGACATGTGGCCAGTAAGG	8078
TJU_CMC.ID08084.5p-miR	18	-	29336867	29336888	TGGCTCATGAGTGCAGGACACT	8079
TJU_CMC.ID08085.5p-miR	18	-	29512569	29512591	TGTTCTGTGGACTGTGGACACTG	8080
TJU_CMC.ID08086.3p-miR	18	-	29578253	29578274	AGATAGCATACTGGGGGCAGCT	8081
TJU_CMC.ID08087.5p-miR	18	+	29657220	29657242	AGGCTATAGTGCACTATGATAGT	8082
TJU_CMC.ID08088.3p-miR	18	-	29820858	29820877	CCAGTTGTCATATTGCTTCT	8083
TJU_CMC.ID08089.5p-miR	18	+	30006669	30006688	CAACCTTTGTAACCTTCAGG	8084
TJU_CMC.ID08090.5p-miR	18	+	30219372	30219391	TTATGGTTCCTTTGGAGAGA	8085
TJU_CMC.ID08091.3p-miR	18	-	30724319	30724338	ATTGTGCCATTGAAGAATAA	8086
TJU_CMC.ID08092.3p-miR	18	+	30824956	30824976	GCTCCAAGTAGTTTATGGTTG	8087
TJU_CMC.ID08093.3p-miR	18	-	31484704	31484725	TGTACTGGGACTCCTATGGGGA	8088
TJU_CMC.ID08094.3p-miR	18	+	32292387	32292409	TCAGTCTTTGTAGTTATGGGCTA	8089
TJU_CMC.ID08095.5p-miR	18	+	32314223	32314244	TTCAGACAAAGGTCGAAAGGCT	8090
TJU_CMC.ID08096.5p-miR	18	+	32452703	32452724	TAGGACGCTGCTCCAGCACCAC	8091
TJU_CMC.ID08097.5p-miR	18	+	32641383	32641405	TCTCCATCATCCTTGTGTGAAGT	8092
TJU_CMC.ID08098.5p-miR	18	+	32703281	32703300	GACTGGATAAGGCCAGATAC	8093
TJU_CMC.ID08099.3p-miR	18	+	32780240	32780261	GTCTTGCTGCTTGGTATAGATC	8094
TJU_CMC.ID08100.5p-miR	18	+	33019082	33019102	AAAGGATCCACTGAAGTCCTA	8095
TJU_CMC.ID08101.5p-miR	18	+	33497224	33497243	GAGCTTATCAGACTGTTCAG	8096
TJU_CMC.ID08102.3p-miR	18	+	33768344	33768365	TCCTCAGAGCGGAACAGGCTGA	8097
TJU_CMC.ID08103.3p-miR	18	-	34050883	34050904	TCAGCTGGGAGCAAAGACCCCA	8098
TJU_CMC.ID08104.3p-miR	18	+	34055427	34055447	TCTCCTCGTGGAGGGGTTGGG	8099
TJU_CMC.ID08105.5p-miR	18	+	34109213	34109234	TTCCTTATCAGACTGATAGGGT	8100
TJU_CMC.ID08106.5p-miR	18	-	34706230	34706251	GTGAAATGTTTAGGACTAGAAG	8101
TJU_CMC.ID08107.3p-miR	18	+	35264459	35264478	AGCAGCCCTGCCTGGATGAG	8102
TJU_CMC.ID08108.3p-miR	18	+	35442741	35442762	TAGAGCAGGATGTCAGCAGTCT	8103
TJU_CMC.ID08109.3p-miR	18	+	36125479	36125499	TAGCACCAAAACAAATCAACA	8104
TJU_CMC.ID08110.3p-miR	18	+	36162041	36162061	GAATTGGTTCTAAATTAGCTA	8105
TJU_CMC.ID08111.5p-miR	18	+	36305591	36305610	TAGCAGTAAACTGAGAGTAC	8106
TJU_CMC.ID08112.5p-miR	18	-	37128011	37128031	TCAGCAAACTACTTATTCTCA	8107

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TJU_CMC.ID08113.3p-miR	18	+	37273667	37273687	ACCAAGAGGAACTCTGTCCCC	8108
TJU_CMC.ID08114.5p-miR	18	-	37415217	37415238	CTGACCTATGTATTGTGTTGGG	8109
TJU_CMC.ID08115.3p-miR	18	+	37536370	37536391	TCAGTTGTTGTCAAATACCATG	8110
TJU_CMC.ID08116.5p-miR	18	-	37946389	37946409	ATCTTGCTGCTTGGTGCTCAA	8111
TJU_CMC.ID08117.5p-miR	18	-	39010930	39010951	TGAAGTGGGCAGTTTATGGGGT	8112
TJU_CMC.ID08118.5p-miR	18	-	39318182	39318203	ATCACTGGACAGAAATAAAGGT	8113
TJU_CMC.ID08119.3p-miR	18	+	39681072	39681093	AATGACTCTGTCTAGTCCACAG	8114
TJU_CMC.ID08120.5p-miR	18	+	39880774	39880794	GCTGATAAGAAGAGGAGGGAC	8115
TJU_CMC.ID08121.3p-miR	18	-	40849539	40849559	TGTCACAAGCCTCAGTGTGGC	8116
TJU_CMC.ID08122.5p-miR	18	-	41122483	41122503	ACCCTGAGACCCTAGTGGTCA	8117
TJU_CMC.ID08123.5p-miR	18	+	41211946	41211967	TAAAGCCTCAAAGCCTAACACT	8118
TJU_CMC.ID08124.3p-miR	18	+	41510805	41510824	CAGAGCAGGATGTCAATGGT	8119
TJU_CMC.ID08125.5p-miR	18	+	41536398	41536421	AGGGAAACTAAACCTAATTCTAAT	8120
TJU_CMC.ID08126.5p-miR	18	+	41813874	41813895	GAAGTCCTCGTGTTGCTGGAAA	8121
TJU_CMC.ID08127.3p-miR	18	-	41911830	41911851	TGGCTCAGTCTGAGTCCCACAG	8122
TJU_CMC.ID08128.5p-miR	18	+	42078466	42078486	GACTGGATAAAATTGAGAGTT	8123
TJU_CMC.ID08129.3p-miR	18	+	42289374	42289395	CTGATTCCAGGAACATGGTCTC	8124
TJU_CMC.ID08130.3p-miR	18	+	42313275	42313296	CTCTGACGGCTCAAATAACAAG	8125
TJU_CMC.ID08131.3p-miR	18	-	42485859	42485880	TAGCACCAAAACTTTCTGGCAT	8126
TJU_CMC.ID08132.3p-miR	18	+	42523286	42523305	CTGAAACATTTTTCTTGCCC	8127
TJU_CMC.ID08133.5p-miR	18	+	42626072	42626094	GTGCTCCACCTGTGTCCCACAGT	8128
TJU_CMC.ID08134.5p-miR	18	+	43386132	43386153	ATCCCATTGCCAGGGATTAATT	8129
TJU_CMC.ID08135.3p-miR	18	-	43960986	43961009	CCCCCACACTCCCACACATGGCCA	8130
TJU_CMC.ID08136.5p-miR	18	-	44398775	44398797	GTATTAACAGTTATGGTGATACT	8131
TJU_CMC.ID08137.5p-miR	18	+	44739050	44739070	AGATGCATCAGAGGCTGGGTG	8132
TJU_CMC.ID08138.3p-miR	18	+	44791293	44791314	TCTTTTGGTTTCCTGCAACTTG	8133
TJU_CMC.ID08139.3p-miR	18	-	45734610	45734631	CTTTCAGAGTGGACTAGGTGCT	8134
TJU_CMC.ID08140.3p-miR	18	+	46114414	46114435	TCTCAGTAACTGTTTATGGGGC	8135
TJU_CMC.ID08141.3p-miR	18	-	46596328	46596347	CCTGCACCCCCCGGGTTCAG	8136
TJU_CMC.ID08142.3p-miR	18	+	47191497	47191516	GGCTCACAGCTTGCTACAGT	8137
TJU_CMC.ID08143.3p-miR	18	+	47405646	47405665	CTTCAGAGAGGGAGAGAAAG	8138

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TJU_CMC.ID08144.3p-miR	18	-	48514680	48514699	TGGGACTCTGGGATCAGGTC	8139
TJU_CMC.ID08145.3p-miR	18	-	48827450	48827471	TCTAGAATTGAGTAATACCATA	8140
TJU_CMC.ID08146.3p-miR	18	-	49311446	49311466	AGGCTGAGCATCAATGCCTTT	8141
TJU_CMC.ID08147.3p-miR	18	+	50466405	50466428	GCCTGCTGAAACAGAACCTGTAGG	8142
TJU_CMC.ID08148.3p-miR	18	-	50854299	50854321	CACTGGTCCATCAAATTCCCCAA	8143
TJU_CMC.ID08149.5p-miR	18	-	51086377	51086398	TATATCCACATCTACCAAATGT	8144
TJU_CMC.ID08150.5p-miR	18	-	51412474	51412496	TAGGAATAGTCCATGCCTGGCTG	8145
TJU_CMC.ID08151.5p-miR	18	-	51484746	51484765	GACTATTTGTAGATTATTTG	8146
TJU_CMC.ID08152.5p-miR	18	+	51689992	51690013	CTGCTGAAACCCTAACTTGTGA	8147
TJU_CMC.ID08153.5p-miR	18	+	53408620	53408641	GAGTGCAATCAATTTTCTCTGG	8148
TJU_CMC.ID08154.3p-miR	18	+	53685030	53685052	AGCAGCAAAAGCCAGGATAGGTC	8149
TJU_CMC.ID08155.5p-miR	18	-	53754668	53754689	CCTGAGTAATCCAAGATAGCAA	8150
TJU_CMC.ID08156.5p-miR	18	+	53880663	53880684	GTCTCAAGTTCAAATACCAAGC	8151
TJU_CMC.ID08157.3p-miR	18	+	54075369	54075390	TATCAGTTGCAGTTAATGGAGT	8152
TJU_CMC.ID08158.3p-miR	18	+	54141165	54141186	TAGCACACACAGACATCACTGT	8153
TJU_CMC.ID08159.5p-miR	18	-	54161996	54162018	TAGCAGTATTGACCTATGGGGTG	8154
TJU_CMC.ID08160.5p-miR	18	-	54719729	54719749	CATGCCAACCCACAGAGAATT	8155
TJU_CMC.ID08161.5p-miR	18	+	54947132	54947152	TTACACTGTTAGTCTGGACCA	8156
TJU_CMC.ID08162.5p-miR	18	+	55106700	55106719	CATTTTATCAGCAACTACAA	8157
TJU_CMC.ID08163.5p-miR	18	+	55198896	55198915	GTTGATGTAGATATGTACAC	8158
TJU_CMC.ID08164.5p-miR	18	-	55643213	55643234	TGTACACAACAGGGATACCCCA	8159
TJU_CMC.ID08165.5p-miR	18	+	55660329	55660350	TCTCTGAGACAAGCACTGTGTC	8160
TJU_CMC.ID08166.3p-miR	18	-	55737833	55737854	TAAAGCCTCAAGATCGCCACAG	8161
TJU_CMC.ID08167.3p-miR	18	-	56267849	56267869	ATGTGGACTCTGTGACTTCAG	8162
TJU_CMC.ID08168.3p-miR	18	+	56692058	56692077	AACCTCACATCAAGTGCTGG	8163
TJU_CMC.ID08169.5p-miR	18	-	57534098	57534120	AGCTATGTGTGACATCATCATTA	8164
TJU_CMC.ID08170.5p-miR	18	+	58222238	58222259	AGGTGCAATGGATTACACCTGT	8165
TJU_CMC.ID08171.3p-miR	18	-	59028417	59028437	CACGCAGCGAACCTACAGCAG	8166
TJU_CMC.ID08172.5p-miR	18	-	60094148	60094170	AAGACGGTGAAAATGGTGATGAG	8167
TJU_CMC.ID08173.3p-miR	18	+	60453647	60453666	CATTATTACTTTTGGTTGAG	8168
TJU_CMC.ID08174.3p-miR	18	-	60522747	60522766	CTACCACTAGCTACACCACT	8169

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TJU_CMC.ID08175.5p-miR	18	+	60553324	60553344	CGTACGGTGTCATTATTACCG	8170
TJU_CMC.ID08176.3p-miR	18	-	61550523	61550542	TTGGGACATCTTGGCTAAAA	8171
TJU_CMC.ID08177.5p-miR	18	+	62171378	62171397	TAGCACCATCTCTGTACAGT	8172
TJU_CMC.ID08178.3p-miR	18	-	62503121	62503141	GAGTGTACAGCACTCCATGTG	8173
TJU_CMC.ID08179.3p-miR	18	-	62828721	62828742	TGATGTCAAGATACTAAATTTG	8174
TJU_CMC.ID08180.3p-miR	18	+	63624088	63624107	TTCTGCAGGATGTCTGCTAG	8175
TJU_CMC.ID08181.3p-miR	18	+	63843924	63843943	AGTCACCGAGCTACAAGCAG	8176
TJU_CMC.ID08182.5p-miR	18	-	63952443	63952464	CACTGCTGAGTATGTACCTAAT	8177
TJU_CMC.ID08183.3p-miR	18	+	64379083	64379104	AGTTACATTTGAGTAGTTTGGG	8178
TJU_CMC.ID08184.5p-miR	18	-	64716003	64716023	CTCACAGGGCATTTTCCTAGA	8179
TJU_CMC.ID08185.3p-miR	18	-	64751434	64751454	AGGCATCTAGCTGGTTATCGT	8180
TJU_CMC.ID08186.5p-miR	18	+	65104666	65104687	GTATTGGCAACAGGTACACCAT	8181
TJU_CMC.ID08187.3p-miR	18	+	65240400	65240419	CAAAAAGAACCCCGGAGAGA	8182
TJU_CMC.ID08188.3p-miR	18	+	65741547	65741568	TGATGTTGCCCAGGCAGCGTTA	8183
TJU_CMC.ID08189.3p-miR	18	+	66280437	66280456	CAGAAAATGAGAGATAGAGG	8184
TJU_CMC.ID08190.5p-miR	18	+	66340699	66340720	ACCAGGTTTGTCAAATACAAAC	8185
TJU_CMC.ID08191.5p-miR	18	-	66451972	66451992	GTTCTTGATCCTAACATGTTG	8186
TJU_CMC.ID08192.3p-miR	18	+	66647890	66647911	TAGGAGGTCAGGTAACATGCCA	8187
TJU_CMC.ID08193.3p-miR	18	+	66748068	66748089	CAGACAAACAGAAATACCAACA	8188
TJU_CMC.ID08194.3p-miR	18	+	68139568	68139587	TGGTAGAATGAGATGGATAA	8189
TJU_CMC.ID08195.5p-miR	18	+	68287587	68287609	TAGCTGCTCAAGAATATGACACA	8190
TJU_CMC.ID08196.3p-miR	18	-	68395681	68395702	CATTATTACTTTTGGTATGTTA	8191
TJU_CMC.ID08197.5p-miR	18	+	68510204	68510224	TAGCACCATGGTTTTGGCTAA	8192
TJU_CMC.ID08198.5p-miR	18	+	69134218	69134238	GGGAGAGATTTTTAACAGCGTA	8193
TJU_CMC.ID08199.3p-miR	18	-	70250616	70250637	CAAGGAGGGACTGGGCGTGGGT	8194
TJU_CMC.ID08200.3p-miR	18	-	70251089	70251110	ATCACATTGCCAGGGCAACTTT	8195
TJU_CMC.ID08201.3p-miR	18	-	70589705	70589725	ATATGGCTGAGTAATAGCAGA	8196
TJU_CMC.ID08202.5p-miR	18	+	70821546	70821568	TAGCTGCGACGAGACTACAAAGT	8197
TJU_CMC.ID08203.5p-miR	18	+	70953977	70953996	CATGTTATACAACTTCCACT	8198
TJU_CMC.ID08204.3p-miR	18	+	71073722	71073742	TACCAGGTAGACTTTAGCCAA	8199
TJU_CMC.ID08205.5p-miR	18	-	71081021	71081040	CATAGACTGGACTACTGCTA	8200

Table 1. Novel miRNA sequences

TJU_CMC.ID08206.3p-miR	18	+	71187587	71187606	CGCCTTGTAATGCACAGCTC	8201
TJU_CMC.ID08207.5p-miR	18	+	71255387	71255406	TCTAATTAACATATATATGA	8202
TJU_CMC.ID08208.5p-miR	18	-	71422902	71422924	AGGGCTGCGGAGATGAAGGTGAC	8203
TJU_CMC.ID08209.5p-miR	18	+	71443147	71443167	AGTCCCAACCCTACATGGTCA	8204
TJU_CMC.ID08210.5p-miR	18	+	71672007	71672028	AGGTTATTGATACAATATCGTA	8205
TJU_CMC.ID08211.3p-miR	18	-	71815072	71815091	CGGGCGTGGGGGCGGTGCGT	8206
TJU_CMC.ID08212.3p-miR	18	+	72036577	72036598	AATGTGGTAAACTTGCTACGGC	8207
TJU_CMC.ID08213.5p-miR	18	-	72113124	72113146	GCTAGGCGAACACTGATGGGTCA	8208
TJU_CMC.ID08214.3p-miR	18	-	72136121	72136142	AAAGAGGCTATTGTTTAGCAGG	8209
TJU_CMC.ID08215.3p-miR	18	+	72193937	72193957	CTAGAAGAGAGTCAGCTCAGT	8210
TJU_CMC.ID08216.5p-miR	18	-	72898210	72898229	TTCATCTAATCCTCAGCCAG	8211
TJU_CMC.ID08217.3p-miR	18	+	72997186	72997209	TCCAGCTCAGTCCCCTTTGCTAAA	8212
TJU_CMC.ID08218.5p-miR	18	+	73334182	73334203	TCTCAACCCACTGGGCATTTTT	8213
TJU_CMC.ID08219.3p-miR	18	+	73457866	73457888	GCTACTAAATGCAAATACAAGCC	8214
TJU_CMC.ID08220.5p-miR	18	-	73861667	73861686	CCGTGTATACGCAGGATGTC	8215
TJU_CMC.ID08221.3p-miR	18	-	73887910	73887931	CTAAGCCCTAATGTTCTTGTTG	8216
TJU_CMC.ID08222.5p-miR	18	+	74206940	74206960	CCGGGGGGCCCCTCCCCGGCG	8217
TJU_CMC.ID08223.3p-miR	18	+	74356366	74356385	ATGTGGATAAGGCACTTCGG	8218
TJU_CMC.ID08224.5p-miR	18	-	74871540	74871560	AGCATAAACTGGACTGCATAT	8219
TJU_CMC.ID08225.3p-miR	18	+	74882443	74882462	GGACATGTGGCTGCATCCCT	8220
TJU_CMC.ID08226.5p-miR	18	+	75098410	75098432	GTCATCAAAAGAGTCCTTAGAAG	8221
TJU_CMC.ID08227.3p-miR	18	-	75583963	75583984	TCCTGACTTGAGGGGCGTTTTG	8222
TJU_CMC.ID08228.3p-miR	18	+	75585668	75585691	CTTCCTTCTTTCTCTCCCTGTGTC	8223
TJU_CMC.ID08229.5p-miR	18	-	75718949	75718970	CCATGGCCAATCAAATACAAAC	8224
TJU_CMC.ID08230.3p-miR	18	+	76179479	76179499	TTGTGTCGCTCTGCTGAGCTG	8225
TJU_CMC.ID08231.5p-miR	18	-	76321560	76321581	AGTCCAGGCTGGTGGGATCGCT	8226
TJU_CMC.ID08232.5p-miR	18	-	76411563	76411584	TGCAATCCTGTCCTCAGTGTTG	8227
TJU_CMC.ID08233.5p-miR	18	+	76523136	76523158	TTGGGTAGAATCCGATCTTTGTC	8228
TJU_CMC.ID08234.5p-miR	18	-	76970115	76970136	ACAGCAGGCTCTCTGTGTCCTG	8229
TJU_CMC.ID08235.5p-miR	18	-	77278218	77278240	AAAGCGATGGGAAAAGCTGTTCA	8230
TJU_CMC.ID08236.3p-miR	18	+	77382030	77382051	GAGACTTTGCAGGTGCAACTGT	8231

Table 1. Novel miRNA sequences

TJU_CMC.ID08237.3p-miR	18	+	77395066	77395087	TTCCTCATTGAGTCAGCGAGCT	8232
TJU_CMC.ID08238.5p-miR	18	-	77414622	77414643	GCTGTGGGTAGTTTAGCCCCAT	8233
TJU_CMC.ID08239.3p-miR	18	+	77517953	77517975	CAGCTCATCAGTTACTTCTGTCA	8234
TJU_CMC.ID08240.5p-miR	18	-	77809565	77809584	GAGCTTATCAGACTGAAAAC	8235
TJU_CMC.ID08241.5p-miR	19	-	352149	352170	ACGGGAACGCCGTGTGACTCAC	8236
TJU_CMC.ID08242.5p-miR	19	+	392915	392936	GCCTGGGGGCCGTGGAGGTGGT	8237
TJU_CMC.ID08243.5p-miR	19	-	514122	514144	AGTAATACAGGGCTGGTGTACAG	8238
TJU_CMC.ID08244.3p-miR	19	+	592254	592275	AGAGATGGGTGCACCGCAGCGT	8239
TJU_CMC.ID08245.5p-miR	19	+	695138	695160	GGAGGGGCTCCCGAGCCCGGGAG	8240
TJU_CMC.ID08246.3p-miR	19	+	798313	798336	GAGCCCCCTCCAGAAAGGCCGTGT	8241
TJU_CMC.ID08247.3p-miR	19	+	913366	913385	AGGCGCGCGGGGCGGGGATC	8242
TJU_CMC.ID08248.3p-miR	19	+	1074776	1074798	CTCACGGCCCGTCTCGCCCCAGC	8243
TJU_CMC.ID08249.5p-miR	19	-	1106888	1106908	AGGAAGAGGGGGGCAACAACAC	8244
TJU_CMC.ID08250.3p-miR	19	-	1168303	1168324	GGGCATTTTCGGGGGCTTTTAT	8245
TJU_CMC.ID08251.3p-miR	19	+	1210001	1210022	GTGTGTAACGGCTTTGCCCTTG	8246
TJU_CMC.ID08252.3p-miR	19	+	1666061	1666081	GCTAGGGCTGAGTCAGGGCAG	8247
TJU_CMC.ID08253.3p-miR	19	+	1775449	1775469	CCCCGGCCCCGCGCCCTCCCT	8248
TJU_CMC.ID08254.3p-miR	19	+	1800495	1800516	CACTCTGCCATCAGGATGGGGT	8249
TJU_CMC.ID08255.5p-miR	19	+	1864131	1864150	GCCGGCGGGAGCCCGCCCCC	8250
TJU_CMC.ID08256.3p-miR	19	-	2069702	2069724	GATGCGACCTCAGATCACTGCAG	8251
TJU_CMC.ID08257.5p-miR	19	-	2100806	2100827	TCGGTCCCCAGCATCTCCACCC	8252
TJU_CMC.ID08258.3p-miR	19	-	2233408	2233429	GCTGCTGCCGCCAGGATATGCG	8253
TJU_CMC.ID08259.5p-miR	19	-	2388019	2388040	TCATCAACAACTCCTGTTGGCT	8254
TJU_CMC.ID08260.5p-miR	19	-	2698677	2698699	TCTTTAAAATCGTATCCAGAGTC	8255
TJU_CMC.ID08261.5p-miR	19	+	2734211	2734231	CAGGCTGTAAACGCCCACAAC	8256
TJU_CMC.ID08262.5p-miR	19	-	2774241	2774261	TGGCTCAGTTCAGCTGGAGAC	8257
TJU_CMC.ID08263.3p-miR	19	-	2902960	2902979	CAACTGTGGGCTCAGCTGGA	8258
TJU_CMC.ID08264.5p-miR	19	+	3058429	3058448	AAATAGAACGTACAAAGAGG	8259
TJU_CMC.ID08265.5p-miR	19	-	3163494	3163515	TCCCTGCACCCCTAGTCCACAG	8260
TJU_CMC.ID08266.3p-miR	19	-	3366704	3366724	TCCGGGGCTGGGATGCGGGGG	8261
TJU_CMC.ID08267.5p-miR	19	+	3770834	3770853	TGGCCGGGGGGGCGGGCGAAC	8262

Table 1. Novel miRNA sequences

TJU_CMC.ID08268.5p-miR	19	-	3951852	3951873	AGGCTGAGCAAAGGCAGCACAG	8263
TJU_CMC.ID08269.3p-miR	19	-	4113505	4113527	GAGCTTGCTCAGTCAGCACCAGT	8264
TJU_CMC.ID08270.3p-miR	19	+	4184180	4184201	TGCTCAGAGCCGATCAGGTGTC	8265
TJU_CMC.ID08271.3p-miR	19	+	4229254	4229273	CAGCAGGTCTCCACTTCTCC	8266
TJU_CMC.ID08272.3p-miR	19	+	4314925	4314946	CATGGCTTCCTGCCTTTGACAG	8267
TJU_CMC.ID08273.5p-miR	19	+	4318921	4318943	TTCACCGCTGAGTCCTACACAGT	8268
TJU_CMC.ID08274.3p-miR	19	-	4536737	4536756	GTCCAGTTTTCCCAGCTCCC	8269
TJU_CMC.ID08275.3p-miR	19	+	4570765	4570787	GGGGGTACACTACACACGTTAAC	8270
TJU_CMC.ID08276.5p-miR	19	+	5007995	5008015	GGTAGTTCTGAGCTGGGTATA	8271
TJU_CMC.ID08277.5p-miR	19	+	5053788	5053809	TGCTACGCCTGAGTAGTAGTTG	8272
TJU_CMC.ID08278.3p-miR	19	-	5122950	5122969	CTCTGGATAAGGCCAGGTCC	8273
TJU_CMC.ID08279.5p-miR	19	+	5334154	5334174	GGGGCGGCCTTGATTAAGCAG	8274
TJU_CMC.ID08280.3p-miR	19	-	5486856	5486878	ATCTATGCCACTGTCTGCCACCT	8275
TJU_CMC.ID08281.3p-miR	19	+	5582500	5582520	GCTTGACTTTCCCAGGAATTG	8276
TJU_CMC.ID08282.3p-miR	19	+	5588852	5588873	AAACGGGAAGTGTGTGTCGTGT	8277
TJU_CMC.ID08283.5p-miR	19	-	6433733	6433755	AGCAGCAAACAACTGCTTAGGGA	8278
TJU_CMC.ID08284.5p-miR	19	+	6606895	6606916	TTCAAGTAATCCTCCTATTTAG	8279
TJU_CMC.ID08285.5p-miR	19	-	6728991	6729012	TCCCGGCTCAAAGCCAGACACT	8280
TJU_CMC.ID08286.3p-miR	19	+	6739697	6739716	CCCCGGGGAGGGCGGCGGGC	8281
TJU_CMC.ID08287.5p-miR	19	-	7148785	7148804	TAATATTTGGGGCCACAGCT	8282
TJU_CMC.ID08288.5p-miR	19	-	7581068	7581089	CCGGCTCCCCCCGGGCCCGCAG	8283
TJU_CMC.ID08289.5p-miR	19	-	7598989	7599008	TCCCACCCCTCCTCCCCGCG	8284
TJU_CMC.ID08290.3p-miR	19	-	7699826	7699845	TTATATGTCTGCCTGGTTCT	8285
TJU_CMC.ID08291.5p-miR	19	-	7959688	7959709	GCGACCAGGCTAGGGCTGTGCT	8286
TJU_CMC.ID08292.3p-miR	19	+	8333077	8333100	GAGGCGAGGTCACGCCATTGCATT	8287
TJU_CMC.ID08293.3p-miR	19	+	8419043	8419062	CCCCCGGGGCCGCGGTTGTC	8288
TJU_CMC.ID08294.3p-miR	19	-	9269560	9269580	GTCACACCACTGGGCGTTTCC	8289
TJU_CMC.ID08295.3p-miR	19	-	9300552	9300572	ACTGCAAGCTTGCATGGGTGA	8290
TJU_CMC.ID08296.3p-miR	19	+	9546245	9546266	ACAGCAGCGCTCCGTGACGTCA	8291
TJU_CMC.ID08297.3p-miR	19	+	10047430	10047449	AATTTCACCCTCCGGGGGCA	8292
TJU_CMC.ID08298.3p-miR	19	+	10543067	10543087	TGCCGCCGTCCCCATGCGCGC	8293

Table 1. Novel miRNA sequences

TJU_CMC.ID08299.3p-miR	19	-	10894206	10894225	TAGCAGCACCAAGTCACTGA	8294
TJU_CMC.ID08300.5p-miR	19	-	10925575	10925596	GCATCAGAGTAGCAACAAGCTA	8295
TJU_CMC.ID08301.3p-miR	19	+	10943740	10943762	CAGCAGCACCGCCACGTTGACAG	8296
TJU_CMC.ID08302.3p-miR	19	+	11091728	11091748	GTCAGTTTCAGTTTATTTGAC	8297
TJU_CMC.ID08303.3p-miR	19	-	11214586	11214606	TACTTATAATGCCGAGGTTGC	8298
TJU_CMC.ID08304.5p-miR	19	-	11372823	11372842	GGCTGCCGTTCTGCCTCCGT	8299
TJU_CMC.ID08305.5p-miR	19	+	12107947	12107968	GTCTCTCCCAGTTTATGGGGTG	8300
TJU_CMC.ID08306.3p-miR	19	-	12333763	12333782	GCATTCGTGTCTAGTGGCCT	8301
TJU_CMC.ID08307.3p-miR	19	-	12811917	12811939	CCCCGTCCGTCCGTCCGTCCGTC	8302
TJU_CMC.ID08308.3p-miR	19	+	12832776	12832797	ATCCCAGCAACGCCTCGAAGTC	8303
TJU_CMC.ID08309.5p-miR	19	+	12889731	12889753	CAGCAGCAATCTCTGTTTTGAAA	8304
TJU_CMC.ID08310.5p-miR	19	+	12937199	12937220	AGACACGGTAAGAAAGAACTTG	8305
TJU_CMC.ID08311.3p-miR	19	-	13078988	13079007	GGGTTCGGCCTAGGCATTGC	8306
TJU_CMC.ID08312.3p-miR	19	+	13122132	13122153	GAGTGACGGCTTGCAATTCGCC	8307
TJU_CMC.ID08313.5p-miR	19	-	13210548	13210571	AACCCGGCCCTCCTTGTCCACAGG	8308
TJU_CMC.ID08314.3p-miR	19	-	13212009	13212030	TGGCTGCCTTCTTTCCCACAGG	8309
TJU_CMC.ID08315.3p-miR	19	+	13262602	13262625	CCCGCCCCTCCGCGCCCCCCCCCC	8310
TJU_CMC.ID08316.3p-miR	19	-	13318713	13318732	GCCGGCGGCTCGGGGCCCCC	8311
TJU_CMC.ID08317.5p-miR	19	+	13350206	13350228	CCTTCAGCTCGCAGTGCAGGTAT	8312
TJU_CMC.ID08318.5p-miR	19	-	13511363	13511384	AACTGACTTAGAAATTACCAAC	8313
TJU_CMC.ID08319.5p-miR	19	+	13943918	13943937	GGGGGGAAGGGCACCTAGCT	8314
TJU_CMC.ID08320.5p-miR	19	-	14226390	14226411	TTGGGCATCTAGGCTGTGCCAC	8315
TJU_CMC.ID08321.5p-miR	19	+	14317636	14317655	GCCCCGCTCCCCGGCGCACC	8316
TJU_CMC.ID08322.5p-miR	19	-	14544394	14544413	GGGCGGGGTCCGCCGGCGCC	8317
TJU_CMC.ID08323.3p-miR	19	+	15209365	15209386	TCCCTGAGACTTCACATTGTCT	8318
TJU_CMC.ID08324.5p-miR	19	+	15217486	15217507	ACCGCGCCCAGCTAGCTTTTTT	8319
TJU_CMC.ID08325.3p-miR	19	-	15252448	15252470	CTGCGCTACTCTATGGTCATGAG	8320
TJU_CMC.ID08326.3p-miR	19	-	15291536	15291558	CCTGGATGGAGCGGACGCCTCTG	8321
TJU_CMC.ID08327.5p-miR	19	-	15423750	15423771	AGCTACGCCTGACATCTTTGTT	8322
TJU_CMC.ID08328.5p-miR	19	+	15442806	15442825	CGCGCCCCGCCGGCCAGCCC	8323
TJU_CMC.ID08329.3p-miR	19	+	16192702	16192723	CTGCACCTCCGACCTCCCCAGG	8324

Table 1. Novel miRNA sequences

TJU_CMC.ID08330.3p-miR	19	+	16207677	16207697	GGTTGACCTGTGGGTAATAAA	8325
TJU_CMC.ID08331.5p-miR	19	-	16247903	16247923	GCTGTGCCATTGAAACGGCCT	8326
TJU_CMC.ID08332.3p-miR	19	-	16354456	16354475	TGGCCATTCTCTAATATTTT	8327
TJU_CMC.ID08333.5p-miR	19	-	16682449	16682468	TCCCGCCGTGGAGGTGGAAC	8328
TJU_CMC.ID08334.3p-miR	19	-	16726949	16726969	ACACAGGCTTGGTGGTAGAGA	8329
TJU_CMC.ID08335.3p-miR	19	+	16808172	16808192	ATGGAACATTACACAGCAATG	8330
TJU_CMC.ID08336.3p-miR	19	+	17127729	17127748	CTGTAGGCATTGAAGCCCTA	8331
TJU_CMC.ID08337.3p-miR	19	+	17228065	17228086	TAGTGATTATCCAGGATAGATC	8332
TJU_CMC.ID08338.3p-miR	19	-	17390410	17390432	AATGGCAATGTTGTCCTAGCACC	8333
TJU_CMC.ID08339.3p-miR	19	-	17797640	17797659	CCCGCCGCCCCTCCTCCTCC	8334
TJU_CMC.ID08340.5p-miR	19	+	18221706	18221726	ATACGTTCTAGGGGCTTAATG	8335
TJU_CMC.ID08341.3p-miR	19	-	18418329	18418348	GGCCGAGGTGGGATCCCGGG	8336
TJU_CMC.ID08342.5p-miR	19	-	18430350	18430370	TGAGATGAAGTGTCACTGTCA	8337
TJU_CMC.ID08343.3p-miR	19	+	18610665	18610684	CGGGGCCGAGGGAGCCATCT	8338
TJU_CMC.ID08344.5p-miR	19	+	19131895	19131915	GAGGCTGAGATAGCGGTGAGC	8339
TJU_CMC.ID08345.3p-miR	19	-	19555191	19555211	ACAGCAGGCACAGCACATACC	8340
TJU_CMC.ID08346.3p-miR	19	-	19864829	19864849	GTGACCTAGTCTGGTCACTAA	8341
TJU_CMC.ID08347.5p-miR	19	-	20700102	20700121	TAAAGATTCTCGGTTAGAGC	8342
TJU_CMC.ID08348.3p-miR	19	+	22074627	22074648	TCTCTGAACCCAGCACCTCGGT	8343
TJU_CMC.ID08349.3p-miR	19	+	22215821	22215842	TCAATAGCTCATGTATGTTGGG	8344
TJU_CMC.ID08350.5p-miR	19	+	22513134	22513155	TGCATGGATCCAGTACACCATT	8345
TJU_CMC.ID08351.5p-miR	19	-	22700506	22700525	CGCACGGGGTCGGCAGCAGG	8346
TJU_CMC.ID08352.3p-miR	19	+	22990458	22990478	CCCCGGCCCCGTCCGCCCAGC	8347
TJU_CMC.ID08353.5p-miR	19	-	23270704	23270725	AAGGGCATCTAGGCTGAGTGTG	8348
TJU_CMC.ID08354.3p-miR	19	-	24187289	24187309	AACTCTTAGCGGTGGATCACT	8349
TJU_CMC.ID08355.3p-miR	19	-	24245208	24245228	TGAGCTGGGTTTAGAAATGAT	8350
TJU_CMC.ID08356.5p-miR	19	+	24503418	24503437	CTTCCCACAGAGATAAAACT	8351
TJU_CMC.ID08357.5p-miR	19	-	28169420	28169441	TCCAGTCTCGAGCACCCAGGGA	8352
TJU_CMC.ID08358.3p-miR	19	-	28249969	28249991	TACCTGGTTGACTTCAGGCATTG	8353
TJU_CMC.ID08359.5p-miR	19	+	28842716	28842737	TAGCTGCCTGGGAATGTACACTG	8354
TJU_CMC.ID08360.3p-miR	19	+	29036730	29036752	ACATAACAACAGAAATACAAACA	8355

Table 1. Novel miRNA sequences

TJU_CMC.ID08361.5p-miR	19	+	29079244	29079265	GAAAGTCTCATTCGACTTGTCT	8356
TJU_CMC.ID08362.3p-miR	19	-	29697617	29697639	TAATACTGCCTGCATGCAGAAGT	8357
TJU_CMC.ID08363.5p-miR	19	+	29759647	29759668	CAGTGCACGTGATGGGAACGTG	8358
TJU_CMC.ID08364.3p-miR	19	+	29766008	29766029	TAGCACCAAAACTGGCTCGTAA	8359
TJU_CMC.ID08365.5p-miR	19	+	29912676	29912696	AGCAGCCCACTGGCGCAAGGC	8360
TJU_CMC.ID08366.3p-miR	19	-	30017819	30017838	GGCTGGGGCGCGCCTACTCC	8361
TJU_CMC.ID08367.3p-miR	19	-	30206703	30206724	CTCACTGGCAGCTGGGATTACG	8362
TJU_CMC.ID08368.3p-miR	19	-	30576346	30576367	GTGCTCAGTTCAGCAGAGAGAG	8363
TJU_CMC.ID08369.5p-miR	19	+	30621133	30621153	TTGAAACCAAAGGTATGGTCA	8364
TJU_CMC.ID08370.3p-miR	19	+	30796759	30796780	ACTGTGCCATCAGGCGCCCTGT	8365
TJU_CMC.ID08371.3p-miR	19	+	30804149	30804168	TCCCTGTCCAGGCGCCTTGT	8366
TJU_CMC.ID08372.5p-miR	19	-	31088116	31088137	TAGCAGCGACTCAGTCAGGGTC	8367
TJU_CMC.ID08373.3p-miR	19	+	31268344	31268364	GGAAGGTTAATGGTGATTCCC	8368
TJU_CMC.ID08374.5p-miR	19	-	31410480	31410502	TAAAGTGCTAATAGGATGACATC	8369
TJU_CMC.ID08375.5p-miR	19	-	31792805	31792825	TTCATCAGACGTGTATCTGGG	8370
TJU_CMC.ID08376.5p-miR	19	-	31826755	31826774	TGTGACGTCCACCTTCTGTA	8371
TJU_CMC.ID08377.3p-miR	19	-	31959108	31959129	ATTTGATTTGTCTTTATGGTTG	8372
TJU_CMC.ID08378.5p-miR	19	+	31991391	31991410	ACACCTCGGGCTGACAGTTG	8373
TJU_CMC.ID08379.3p-miR	19	-	32187017	32187038	GAGGTGGTACCAGGGCTGTGTG	8374
TJU_CMC.ID08380.5p-miR	19	-	32752386	32752409	TCAGTAGAGACGGGGTCTTGCTATA	8375
TJU_CMC.ID08381.5p-miR	19	-	33302145	33302168	TGTCATCCAGGGCCCAGGCGTCTT	8376
TJU_CMC.ID08382.3p-miR	19	+	33616881	33616900	AGGTTAATGTTCTTGTTGGG	8377
TJU_CMC.ID08383.5p-miR	19	-	33635646	33635666	TAGCTTATCTCTGGTAGCAAA	8378
TJU_CMC.ID08384.5p-miR	19	+	33750463	33750482	CTTTCTAGCCTAAGCCCCCA	8379
TJU_CMC.ID08385.5p-miR	19	+	34072718	34072739	TCTCCCAAAAAGCAAAATGTTG	8380
TJU_CMC.ID08386.3p-miR	19	+	34112983	34113003	CCGCCCCGCGCCCTCTCGCTC	8381
TJU_CMC.ID08387.3p-miR	19	+	34153437	34153458	TGGCTCAGGGACTGTCTTTGCC	8382
TJU_CMC.ID08388.3p-miR	19	+	35030425	35030445	CTATCCATAATTACAGCAGTT	8383
TJU_CMC.ID08389.5p-miR	19	-	35232124	35232146	TGGCTTATCAGATGTCGTGTAAG	8384
TJU_CMC.ID08390.3p-miR	19	+	35767706	35767725	CTTCAGTGATGACACGAATG	8385
TJU_CMC.ID08391.3p-miR	19	+	36043467	36043488	ACCATAAGTCCAGGCAGTCTGG	8386

Table 1. Novel miRNA sequences

TJU_CMC.ID08392.3p-miR	19	-	36130640	36130659	TCCTGCTCACAGCGCCATCT	8387
TJU_CMC.ID08393.3p-miR	19	-	36259787	36259806	TGACCATCATCCAACACTCT	8388
TJU_CMC.ID08394.3p-miR	19	-	36390656	36390677	CCTCCTCCCGCCCCCGCCCCGC	8389
TJU_CMC.ID08395.5p-miR	19	+	36431371	36431392	TGGGACGCTGGAGCTGCTGGTC	8390
TJU_CMC.ID08396.3p-miR	19	+	36457796	36457815	CTGGGGCTTGCACAAGTGAC	8391
TJU_CMC.ID08397.3p-miR	19	-	36570501	36570520	AACAGCAGTTGAGTGCAAGG	8392
TJU_CMC.ID08398.5p-miR	19	-	36759992	36760012	GCGGCGGCTCGGGCCTTGCGC	8393
TJU_CMC.ID08399.5p-miR	19	-	37063739	37063760	TCCGACTCTGTGATGTCTGTGA	8394
TJU_CMC.ID08400.5p-miR	19	-	38228627	38228649	TCCATGAGCTTGCAGTCTTCTGA	8395
TJU_CMC.ID08401.5p-miR	19	-	38389497	38389516	TGGCCTCCGTTGCCCTCTGC	8396
TJU_CMC.ID08402.5p-miR	19	+	38712275	38712296	ATCACTATGCCCTCCAATACCA	8397
TJU_CMC.ID08403.3p-miR	19	-	39191884	39191903	CACTGCTGAGTATGTACTGG	8398
TJU_CMC.ID08404.5p-miR	19	-	39542534	39542556	CCCAGTGTTTAGACTGAGGCTAG	8399
TJU_CMC.ID08405.3p-miR	19	+	39667957	39667978	TGGCTCAGCCTGGGTCCTGTGC	8400
TJU_CMC.ID08406.5p-miR	19	-	39893341	39893361	TGGCCGAGTGCGCGGGCGAGC	8401
TJU_CMC.ID08407.3p-miR	19	+	39955505	39955527	AGCAGACCCACGTGAAGCAGGCC	8402
TJU_CMC.ID08408.3p-miR	19	-	40021324	40021346	AGCTACTCCACTGGGCGTTTTTT	8403
TJU_CMC.ID08409.5p-miR	19	+	40479543	40479562	ATCAGAGTATATTGTAGCTG	8404
TJU_CMC.ID08410.5p-miR	19	-	40562686	40562708	TTTTCTCTCCAGATAACAGGAAG	8405
TJU_CMC.ID08411.5p-miR	19	+	40719516	40719535	CCCTCCCCGGGGGCGCGGGC	8406
TJU_CMC.ID08412.3p-miR	19	-	40788462	40788483	TGACTGTCCTATGTCTTTCCTT	8407
TJU_CMC.ID08413.3p-miR	19	+	41103887	41103908	GAGGACTCTGGGATTGAATGAG	8408
TJU_CMC.ID08414.5p-miR	19	+	42137168	42137187	ATCCCACTTCTGACACCATA	8409
TJU_CMC.ID08415.3p-miR	19	+	42188220	42188241	ATTGTGCAGCAGCGTTGGCCCA	8410
TJU_CMC.ID08416.5p-miR	19	-	42369661	42369680	AAAGCGGCTGTACACCAGAA	8411
TJU_CMC.ID08417.5p-miR	19	+	42523801	42523823	GGAATCACAAGGGTCCTTAGGAG	8412
TJU_CMC.ID08418.5p-miR	19	+	42788747	42788766	CCCGCTCCCCCCGGGCCCAA	8413
TJU_CMC.ID08419.3p-miR	19	+	43056065	43056087	ACACAGCCATGAGGGCGCCTTGG	8414
TJU_CMC.ID08420.5p-miR	19	+	43443595	43443616	TCAAATCAGAGGCAGGGCTTGT	8415

Table 1. Novel miRNA sequences

TJU_CMC.ID08421.5p-miR	19	+	43772416	43772438	GCACACATACAAACAAACACACA	8416
TJU_CMC.ID08422.3p-miR	19	-	44057060	44057081	AATCCATCCCCATCCCCTCAGC	8417
TJU_CMC.ID08423.5p-miR	19	-	44096761	44096781	GCTGGAGGAGGCGCCGCCGCC	8418
TJU_CMC.ID08424.5p-miR	19	-	44317347	44317368	AAGTTACCGCCGCTACTGAGTA	8419
TJU_CMC.ID08425.3p-miR	19	-	44484406	44484426	ACTTGCAAGAGAATCCTCCTG	8420
TJU_CMC.ID08426.3p-miR	19	-	45132531	45132551	TAGCGTTGTAGTACTAGCCAA	8421
TJU_CMC.ID08427.3p-miR	19	+	45350197	45350217	CCCTCCCCACCCCGCGCCGAG	8422
TJU_CMC.ID08428.3p-miR	19	-	46305392	46305412	CCCCCCACTGCTAACGCCACT	8423
TJU_CMC.ID08429.5p-miR	19	+	46697035	46697054	TCGATGTAATGATGCTGCTC	8424
TJU_CMC.ID08430.5p-miR	19	+	47615788	47615807	CGGCGGCGGCGACTCTGATG	8425
TJU_CMC.ID08431.5p-miR	19	-	48112780	48112799	GCCGGCGGGAGGGCCGGGGA	8426
TJU_CMC.ID08432.5p-miR	19	-	48130651	48130671	TGACCTATGAATGTCATCTAT	8427
TJU_CMC.ID08433.5p-miR	19	-	48302224	48302245	ACCCTGAGAGGGATGTACACAG	8428
TJU_CMC.ID08434.5p-miR	19	-	48737337	48737356	GGCTGATGATGAGGCTGAAG	8429
TJU_CMC.ID08435.3p-miR	19	-	49037809	49037831	TGTGTTTTAGGTACTGGGAGACA	8430
TJU_CMC.ID08436.5p-miR	19	+	49160464	49160485	TCAGCTGCTGAGTTTATGGTAA	8431
TJU_CMC.ID08437.5p-miR	19	+	49167558	49167577	GCAGAGGAGCTGGGGGCATG	8432
TJU_CMC.ID08438.3p-miR	19	+	49925565	49925586	AGAGAGATGCCAGAGTGGCCGA	8433
TJU_CMC.ID08439.5p-miR	19	+	49993873	49993892	CGGCCGGTGATGAGAACTTC	8434
TJU_CMC.ID08440.5p-miR	19	-	50110360	50110380	CGGGGGCTCACAATGTTGCCC	8435
TJU_CMC.ID08441.5p-miR	19	-	50456309	50456330	TCTGGTCCCTTCGTGGTCGCCA	8436
TJU_CMC.ID08442.5p-miR	19	-	50536389	50536409	TAATACTGCCTGCATTCTATG	8437
TJU_CMC.ID08443.3p-miR	19	+	50881598	50881617	GCCGGGGTGGCGGAACCTGC	8438
TJU_CMC.ID08444.3p-miR	19	+	51071344	51071363	CGCGCTCTCCCCCCTCCCCG	8439
TJU_CMC.ID08445.5p-miR	19	-	51189970	51189991	CCCAGCCCTGCTCCTCGGGATG	8440
TJU_CMC.ID08446.3p-miR	19	-	51213462	51213481	ACATGGTGCCGGCACTTCTC	8441
TJU_CMC.ID08447.3p-miR	19	-	51221462	51221481	GGGGTCCGCCGGCCCTGGGT	8442
TJU_CMC.ID08448.5p-miR	19	+	51307861	51307882	TTGCAGCACGCGCCATTTTATA	8443
TJU_CMC.ID08449.3p-miR	19	+	51463827	51463846	CATCTGCTTCCTTACTACTT	8444
TJU_CMC.ID08450.5p-miR	19	-	51535354	51535375	CTGGGGGAACACAGCCTCAGCC	8445
TJU_CMC.ID08451.5p-miR	19	+	51716100	51716121	TTTGGCAGCAACAGCATAGACT	8446

Table 1. Novel miRNA sequences

TJU_CMC.ID08452.5p-miR	19	+	51840753	51840774	TGGCTCTCTGAAGCCTCCACGA	8447
TJU_CMC.ID08453.5p-miR	19	-	51972508	51972529	AGGGACTCTGGGGCTGAACTGA	8448
TJU_CMC.ID08454.3p-miR	19	+	52141293	52141314	TACTGGTTTGTACCATCAAAAC	8449
TJU_CMC.ID08455.5p-miR	19	+	52297749	52297770	CTGAATCTCTGAAAAGAAAGGG	8450
TJU_CMC.ID08456.3p-miR	19	-	52361338	52361359	TAGTTCAGCTGATTGGGGAGTT	8451
TJU_CMC.ID08457.3p-miR	19	-	52420899	52420918	CTGGGAAGAATGGCAGCTAC	8452
TJU_CMC.ID08458.3p-miR	19	-	52542201	52542222	GTCCAGTTTTTCCAAAGGCTGG	8453
TJU_CMC.ID08459.3p-miR	19	-	53046219	53046240	TCCCTGATCAAAGCCTCCACCC	8454
TJU_CMC.ID08460.3p-miR	19	-	53104388	53104407	GAGCCCAGCGCCTCCGTTTT	8455
TJU_CMC.ID08461.5p-miR	19	+	53126132	53126152	AATGGCAATGCATTTCTGAGT	8456
TJU_CMC.ID08462.3p-miR	19	-	53127712	53127733	TAGGACAGCAAAGCCAGGTGTC	8457
TJU_CMC.ID08463.3p-miR	19	-	53131332	53131353	AGAGAGTAAAGGGAGATAGATA	8458
TJU_CMC.ID08464.3p-miR	19	-	53409625	53409644	GGCGTGATTCATACCTTGCA	8459
TJU_CMC.ID08465.3p-miR	19	-	54466599	54466618	CGAGGCGCCGCCGCCCCCGC	8460
TJU_CMC.ID08466.5p-miR	19	+	54772090	54772109	CCTGGTGATGACAGATGGAA	8461
TJU_CMC.ID08467.5p-miR	19	+	55100607	55100626	ATATCACTCAGATCAGATTA	8462
TJU_CMC.ID08468.5p-miR	19	+	55156646	55156665	ATTAGAGGCTATTGTTCAGT	8463
TJU_CMC.ID08469.5p-miR	19	+	55306384	55306403	AAGTCCCATTGGTCTAGTTT	8464
TJU_CMC.ID08470.3p-miR	19	+	55404949	55404970	TAGCTTGCTTAGTCATATGGTC	8465
TJU_CMC.ID08471.3p-miR	19	+	55515739	55515758	AGCAGCATTAGCACTTGCTT	8466
TJU_CMC.ID08472.3p-miR	19	+	55813900	55813921	GGTCTGAGATGGGGGGCGAGGT	8467
TJU_CMC.ID08473.5p-miR	19	-	55881414	55881436	AGGGCCCCGAGAGGGAGCGAGAC	8468
TJU_CMC.ID08474.5p-miR	19	-	55943631	55943652	CCTCCACTGCTGCCACCATGTT	8469
TJU_CMC.ID08475.3p-miR	19	+	56632034	56632053	GCCCTCGGGGCCGCGGTATC	8470
TJU_CMC.ID08476.5p-miR	19	+	57081697	57081717	AGGTAGAGGTGGCAGGAATTA	8471
TJU_CMC.ID08477.5p-miR	19	+	57123168	57123189	TCCCTGATCAAAGTATCCACAG	8472
TJU_CMC.ID08478.5p-miR	19	+	57367262	57367283	TCTTCAGAGTTTCAGTCCAGCT	8473
TJU_CMC.ID08479.5p-miR	19	+	57950479	57950500	TTAGTGGCTCCCTCTGCCTGCA	8474
TJU_CMC.ID08480.5p-miR	19	-	58024411	58024430	ACGTCCCTGTTCGGGCGCCA	8475
TJU_CMC.ID08481.5p-miR	19	+	58070140	58070161	TGACAGTAATCTGGGCTATCAT	8476
TJU_CMC.ID08482.5p-miR	19	-	58171461	58171482	GAATGATGGAGTGACGGCATCT	8477

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TJU_CMC.ID08483.5p-miR	19	+	58596257	58596276	CAGGCGTAGCGCTTCCGGCC	8478
TJU_CMC.ID08484.5p-miR	19	-	58691605	58691625	AACCTTCTGAGCCAGATGTAT	8479
TJU_CMC.ID08485.3p-miR	19	+	58760992	58761013	CAGTTGGGTAGTTTTTTGGGTGG	8480
TJU_CMC.ID08486.5p-miR	19	-	58973157	58973177	GGACAGGGCTGTGTTTCCACA	8481
TJU_CMC.ID08487.5p-miR	19	+	58990573	58990594	CAGCACCATCTCTAGCTGTGGC	8482
TJU_CMC.ID08488.3p-miR	20	-	307186	307205	CGGCCGCCCCCTCGCCCGAC	8483
TJU_CMC.ID08489.3p-miR	20	-	611415	611437	TCCCTGTCCTCCAGGAGCTCACT	8484
TJU_CMC.ID08490.3p-miR	20	+	756073	756095	CGTCCGACCTGGGTAATTTTTGT	8485
TJU_CMC.ID08491.3p-miR	20	+	1016794	1016813	GAGGTTGACCTGTCCCTGCT	8486
TJU_CMC.ID08492.5p-miR	20	-	1371677	1371698	GTCTCTTTGTGAAATATCCCCA	8487
TJU_CMC.ID08493.5p-miR	20	+	1467433	1467455	TAATAATAACTCTCAGCAAACTG	8488
TJU_CMC.ID08494.5p-miR	20	+	1657265	1657286	GTCAGTGGTTTTGTTTAAGGAG	8489
TJU_CMC.ID08495.3p-miR	20	-	1815901	1815923	AAAGCAGGCACAGACAGTACGTA	8490
TJU_CMC.ID08496.3p-miR	20	+	1816851	1816870	GGAAGCTCTGGTGGAGGATC	8491
TJU_CMC.ID08497.5p-miR	20	+	1875392	1875415	CCCTCGCTCCCTCCCCCGGGGCGC	8492
TJU_CMC.ID08498.3p-miR	20	+	1886966	1886988	TTATAAGTGAGTCTATGACAGGG	8493
TJU_CMC.ID08499.5p-miR	20	-	2549628	2549648	GTCTGGCTGCTATTGCTACAG	8494
TJU_CMC.ID08500.5p-miR	20	+	3025523	3025542	TGGTCATCAGAGGCCATTGT	8495
TJU_CMC.ID08501.5p-miR	20	+	3194761	3194782	CAAAATGATGAGGTACCTGATA	8496
TJU_CMC.ID08502.5p-miR	20	-	3255901	3255922	TTCACTGCCAGACCCGCCAGAG	8497
TJU_CMC.ID08503.5p-miR	20	+	3549952	3549971	GCTTGTTGCTCCTAGCTACA	8498
TJU_CMC.ID08504.3p-miR	20	+	3573898	3573919	TTTTCAGAGTCCTAATCCACGG	8499
TJU_CMC.ID08505.3p-miR	20	-	3714918	3714940	GTCACTGGGGACCAGGATAGGGT	8500
TJU_CMC.ID08506.3p-miR	20	-	3865771	3865790	GGACATGAGGGGTGTAGATC	8501
TJU_CMC.ID08507.5p-miR	20	-	3905112	3905132	CTTGCCCCAGCTGGAACACGG	8502
TJU_CMC.ID08508.5p-miR	20	+	4385272	4385293	CAACGGAAATTTGGGGATGGGG	8503
TJU_CMC.ID08509.5p-miR	20	-	4537547	4537566	CCTCTTTACAGTGACCGTTT	8504
TJU_CMC.ID08510.5p-miR	20	-	4690808	4690827	ACTTCTAATCAGCATAACTC	8505
TJU_CMC.ID08511.3p-miR	20	-	4772949	4772971	CACTGACATGTCTTTATGGGTGG	8506
TJU_CMC.ID08512.3p-miR	20	+	4861390	4861411	TGCTCAGAGCAAAGGGGCTCCA	8507
TJU_CMC.ID08513.3p-miR	20	+	4893540	4893559	CGTTTTCCGTAGTGTAGATC	8508

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TJU_CMC.ID08514.3p-miR	20	+	5165605	5165627	CCTAATGTGAAATACCACTGTGA	8509
TJU_CMC.ID08515.5p-miR	20	-	5274758	5274777	TCCCCTCCTCCAACATGCAG	8510
TJU_CMC.ID08516.5p-miR	20	+	5464293	5464315	TTGGGGTTTGAGTTTATGTTTGG	8511
TJU_CMC.ID08517.3p-miR	20	-	5494967	5494987	ATCATGGAACGGGGCTTGTAC	8512
TJU_CMC.ID08518.5p-miR	20	-	5799079	5799102	GTGAACAGCCTCTGGCAATGGCAG	8513
TJU_CMC.ID08519.3p-miR	20	-	6008946	6008966	TCCACTCTCTAATTAACATAT	8514
TJU_CMC.ID08520.5p-miR	20	+	6497061	6497082	TCTACAACAAACTGGCTTTGTG	8515
TJU_CMC.ID08521.3p-miR	20	-	6570578	6570598	CCTTAGTTCTGCCATTTATTG	8516
TJU_CMC.ID08522.5p-miR	20	+	7629563	7629584	TGGATGTTTGTCCCCGCAAATA	8517
TJU_CMC.ID08523.5p-miR	20	-	7725461	7725482	TTCATCATTAGGTCAGCCTGCT	8518
TJU_CMC.ID08524.5p-miR	20	+	8133073	8133095	AATGTGTGCTAGAAGAAATGGTG	8519
TJU_CMC.ID08525.3p-miR	20	+	9140578	9140599	TTCAGAAGGCTTCTGATAGATT	8520
TJU_CMC.ID08526.5p-miR	20	-	9240623	9240643	GACTGCTCAGTAAAAGTATAG	8521
TJU_CMC.ID08527.5p-miR	20	+	9608854	9608875	TGAGGTAGTACTGTTATATCCA	8522
TJU_CMC.ID08528.5p-miR	20	-	9739157	9739179	AGCATACCACTATGCAAAGTACT	8523
TJU_CMC.ID08529.3p-miR	20	-	10059047	10059068	GCTACGTGCTCAGAATCGTGCC	8524
TJU_CMC.ID08530.5p-miR	20	+	10178768	10178790	ACTGTCAACCTTGATCCCCCACAG	8525
TJU_CMC.ID08531.3p-miR	20	-	10793235	10793256	AGCGCAGCTGGAGCCAGGTGCT	8526
TJU_CMC.ID08532.5p-miR	20	+	11057175	11057196	TCTCAACCACAGTGTAAGTTAC	8527
TJU_CMC.ID08533.5p-miR	20	-	11252647	11252666	ATCCCCACACGACCCACTGCC	8528
TJU_CMC.ID08534.5p-miR	20	-	11518426	11518448	GTATAATCACTGGCACCACGCAG	8529
TJU_CMC.ID08535.3p-miR	20	+	11881920	11881941	TGCATTCCAGAGTGCTCTGTCT	8530
TJU_CMC.ID08536.5p-miR	20	+	12096056	12096077	TAACTTATCAGACTGATTTCCT	8531
TJU_CMC.ID08537.5p-miR	20	+	12097144	12097165	GGACTCATTTCCAGGATAAAGC	8532
TJU_CMC.ID08538.5p-miR	20	-	12907349	12907370	CTTATCTGGGAAGGAGAGTTGT	8533
TJU_CMC.ID08539.3p-miR	20	+	13109885	13109904	GTGATTTGCCCACCCCAGGC	8534
TJU_CMC.ID08540.3p-miR	20	-	13317149	13317170	GCATCAGAGTCCTGACTTGCAG	8535
TJU_CMC.ID08541.5p-miR	20	+	14606939	14606960	TGAGGTAGTAGTTTGGCATGGC	8536
TJU_CMC.ID08542.3p-miR	20	+	15035332	15035352	TCAGTAACAGCACTCCACTGT	8537
TJU_CMC.ID08543.3p-miR	20	-	15577204	15577226	TAAATTAGCTCTCAGAGCATTCT	8538
TJU_CMC.ID08544.3p-miR	20	-	15741212	15741232	ATGACCTATTCCGCAGTGGGA	8539

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TJU_CMC.ID08545.5p-miR	20	-	15755261	15755282	TCCTCAGAGTTTCGGTTCACTC	8540
TJU_CMC.ID08546.5p-miR	20	-	15960270	15960289	CTGAGGATACTTAACTATGG	8541
TJU_CMC.ID08547.5p-miR	20	+	16347905	16347924	GAACAACTGGACATTTGGGG	8542
TJU_CMC.ID08548.3p-miR	20	-	16805664	16805685	GAGAGATAGCTTGACTACTTCT	8543
TJU_CMC.ID08549.3p-miR	20	-	17449366	17449388	TGCCTGTCTACAGCAGGACACTG	8544
TJU_CMC.ID08550.3p-miR	20	-	17484911	17484932	CATCAGTCCACTTTTATAAACC	8545
TJU_CMC.ID08551.3p-miR	20	+	17580320	17580339	ATGTCTGGGTGCTGTAGTTG	8546
TJU_CMC.ID08552.3p-miR	20	+	17671405	17671424	CTTCATCTCCCATTCCTGGT	8547
TJU_CMC.ID08553.3p-miR	20	-	17724205	17724226	CTCTAAGGCTTCACATGGGACT	8548
TJU_CMC.ID08554.3p-miR	20	+	17981205	17981227	TTATAATAGGAGTCAGCACACTG	8549
TJU_CMC.ID08555.3p-miR	20	-	18055252	18055273	AACAGCATGAGAATAGGGAAGA	8550
TJU_CMC.ID08556.5p-miR	20	-	18137802	18137821	ATGTGTTATTTACTGTGTCG	8551
TJU_CMC.ID08557.3p-miR	20	+	18193864	18193886	TAGCAATAGTGACCACGTGGCCC	8552
TJU_CMC.ID08558.5p-miR	20	-	18528973	18528995	TAACACTACTCAACGGTATGCTT	8553
TJU_CMC.ID08559.3p-miR	20	+	19468706	19468725	CCAGAAGATTGATGGGGCTG	8554
TJU_CMC.ID08560.3p-miR	20	-	19641726	19641747	AGCTACAGTTTCCACGTTGTTT	8555
TJU_CMC.ID08561.5p-miR	20	-	19937382	19937403	ACTCAGCTGCAGCCATATGGGG	8556
TJU_CMC.ID08562.5p-miR	20	-	20441045	20441064	AGCAGGTAACATGTCATAGC	8557
TJU_CMC.ID08563.5p-miR	20	-	20546890	20546911	GAAAGCTAGAAAGCTGAACACT	8558
TJU_CMC.ID08564.3p-miR	20	-	20805409	20805431	CTTATTTTTTCTCCTTTGAGGGG	8559
TJU_CMC.ID08565.3p-miR	20	+	20805520	20805540	CCCGTGGATCGCCCCGAAGTG	8560
TJU_CMC.ID08566.3p-miR	20	+	20923561	20923581	TCCTGTGTGTTATGCATGAAG	8561
TJU_CMC.ID08567.3p-miR	20	+	20998754	20998775	TCTCCCCCAAAGGAGCAACTAT	8562
TJU_CMC.ID08568.5p-miR	20	+	21221164	21221186	GTCCAGTTGTAAACTTCTAGGGA	8563
TJU_CMC.ID08569.3p-miR	20	-	21594679	21594701	GTCCCTAAAGAAACTTCTAGGGA	8564
TJU_CMC.ID08570.3p-miR	20	+	21851124	21851145	TGTCTCAAACTCAAATAAAGGG	8565
TJU_CMC.ID08571.3p-miR	20	-	22424876	22424899	TATAATATGAAATACACAGCACAG	8566
TJU_CMC.ID08572.3p-miR	20	+	23008385	23008406	TGTCAGGGGTGTGGGCTGGGGA	8567
TJU_CMC.ID08573.5p-miR	20	+	23038535	23038556	ATGCGTATGCCAAAAGCCATTG	8568
TJU_CMC.ID08574.5p-miR	20	+	23055937	23055958	AGCAGCATCAGCAGAAATGCAG	8569
TJU_CMC.ID08575.5p-miR	20	-	23291475	23291496	GGAGTCATTAGGCTTATAGGGT	8570

Table 1. Novel miRNA sequences

TJU_CMC.ID08576.3p-miR	20	-	24078386	24078406	TAGCTTATCAGATACTCATGG	8571
TJU_CMC.ID08577.5p-miR	20	+	24759814	24759835	TCTCAGTTGGGAACACAACTGT	8572
TJU_CMC.ID08578.5p-miR	20	-	24770848	24770870	TCAGTGCTCTACCTCCAGGCTTG	8573
TJU_CMC.ID08579.5p-miR	20	-	24869524	24869543	CTATAAGTGCCTCATATAAG	8574
TJU_CMC.ID08580.5p-miR	20	-	24942970	24942991	TGCTGGTCAGGCCCCATGTTGG	8575
TJU_CMC.ID08581.3p-miR	20	-	25058848	25058868	CATTCCAATTAATGAGAAAAA	8576
TJU_CMC.ID08582.3p-miR	20	-	25491056	25491075	CCCGTGGCCGAGGGAGCATC	8577
TJU_CMC.ID08583.5p-miR	20	-	26189348	26189369	AGCGAGGGTTCCGCCGGCCACC	8578
TJU_CMC.ID08584.5p-miR	20	-	29646972	29646993	AGAACATTGCCAGGAGCCCTTC	8579
TJU_CMC.ID08585.3p-miR	20	-	30449496	30449518	CGCCGGCCTTGACCCCGCCCACC	8580
TJU_CMC.ID08586.3p-miR	20	-	31078031	31078052	GAGCAGGGACAGTTTATGGGGT	8581
TJU_CMC.ID08587.5p-miR	20	-	31202882	31202902	CAGCTGTAAGAAGAGCTGTAA	8582
TJU_CMC.ID08588.5p-miR	20	-	31304745	31304766	AGCTACATTGGAGGCTGAACCC	8583
TJU_CMC.ID08589.5p-miR	20	-	31333096	31333117	TGTCTGTTTGTCACCCGAAGGT	8584
TJU_CMC.ID08590.3p-miR	20	+	31600071	31600090	ACAGGATTGAACCCAGGATT	8585
TJU_CMC.ID08591.5p-miR	20	-	31778654	31778673	CACGCTATTGAAAGCTGATG	8586
TJU_CMC.ID08592.5p-miR	20	+	32153578	32153598	CCAGTAATGACCCAAGCATAT	8587
TJU_CMC.ID08593.3p-miR	20	-	32361978	32361998	AGGCTCCGGAGTGGCTGGGAC	8588
TJU_CMC.ID08594.5p-miR	20	-	32524282	32524301	CGCGCCCCCCCCACCCCCAC	8589
TJU_CMC.ID08595.5p-miR	20	-	33173208	33173229	GACCTGCTGCTGCTGTGTGTAC	8590
TJU_CMC.ID08596.5p-miR	20	-	34177980	34178000	CAGAGAAATACAGGGTTAGGT	8591
TJU_CMC.ID08597.5p-miR	20	+	34856661	34856680	AAACGGAATCCCAGAAGCAT	8592
TJU_CMC.ID08598.5p-miR	20	-	34879176	34879195	ACAAAGCGAGTCTTTTCAAC	8593
TJU_CMC.ID08599.3p-miR	20	+	34949881	34949901	CTCGCCAGGCTGGCCCCGGCT	8594
TJU_CMC.ID08600.3p-miR	20	+	34966254	34966276	TGTCAGCCTGCTGGGCACCCACA	8595
TJU_CMC.ID08601.5p-miR	20	-	35202940	35202959	GGGGACGGCGGAGCGTGCGC	8596
TJU_CMC.ID08602.3p-miR	20	+	35402836	35402857	CAGGTCGGGCTGGTCCTTAGGG	8597
TJU_CMC.ID08603.5p-miR	20	-	35425109	35425128	AGTTGGGAGAGCATCGGGAT	8598
TJU_CMC.ID08604.3p-miR	20	+	36002451	36002470	ATCACATTGAACTTCTAGAT	8599
TJU_CMC.ID08605.3p-miR	20	-	36498791	36498810	TGGTGCCAACAACAGGGAGG	8600
TJU_CMC.ID08606.5p-miR	20	+	36498795	36498815	CCTGTTGTTGGCACCAGCACC	8601

Table 1. Novel miRNA sequences

TJU_CMC.ID08607.3p-miR	20	-	36531540	36531563	AGCGAGCGCACGCCCAGCCGGCCG	8602
TJU_CMC.ID08608.5p-miR	20	+	36578024	36578043	CCCAGCATAAGAATAGCATG	8603
TJU_CMC.ID08609.3p-miR	20	-	36815445	36815464	CCCCGTCCTCCCCCCTCCCT	8604
TJU_CMC.ID08610.5p-miR	20	-	36941380	36941401	TCCCTGAGACCCTACCCTGAGA	8605
TJU_CMC.ID08611.3p-miR	20	-	37053843	37053865	AACTCTGGAGCTTTCGTACATGC	8606
TJU_CMC.ID08612.5p-miR	20	+	37078079	37078100	GCTGAAAGCCGTTTCCCGTGTT	8607
TJU_CMC.ID08613.3p-miR	20	-	37215010	37215030	TTTGTAAAGGCTCCTTGTGGC	8608
TJU_CMC.ID08614.3p-miR	20	-	37234406	37234425	ATTATGTGCATGGATTGGAT	8609
TJU_CMC.ID08615.3p-miR	20	+	37920348	37920367	ATTTAGATTATAGTTCGCAA	8610
TJU_CMC.ID08616.5p-miR	20	-	38106165	38106186	TTCACTTAATCCAGAGGCTTAT	8611
TJU_CMC.ID08617.5p-miR	20	+	38972282	38972301	AGGAGGTTTCCAGACAAGCA	8612
TJU_CMC.ID08618.3p-miR	20	+	39111740	39111762	GGGTGACTTAGCAAATACAAACC	8613
TJU_CMC.ID08619.5p-miR	20	-	39134713	39134735	GAAAAGTGGGAGGTCCTTAGGGA	8614
TJU_CMC.ID08620.3p-miR	20	+	39874575	39874594	CATTCCATAATTACAGCCTT	8615
TJU_CMC.ID08621.3p-miR	20	-	39995084	39995105	AAGCGCGGGGCGGGCGGGCGG	8616
TJU_CMC.ID08622.3p-miR	20	-	40025121	40025142	TGGCTCTCAGAAGCAGGACACT	8617
TJU_CMC.ID08623.3p-miR	20	-	40029423	40029442	CCCAATTTTGCCTTTCGTGA	8618
TJU_CMC.ID08624.3p-miR	20	-	40448697	40448716	GGCAGCAGGTCTCCACTCAC	8619
TJU_CMC.ID08625.5p-miR	20	+	40556411	40556431	ATCACATTGCATCCCTTTGAA	8620
TJU_CMC.ID08626.3p-miR	20	-	40576930	40576951	ACTAGTTTTCTGGCGCAAAGTT	8621
TJU_CMC.ID08627.5p-miR	20	-	40704947	40704966	AGTCACATGGTTGCTAATGT	8622
TJU_CMC.ID08628.5p-miR	20	+	40823428	40823449	AGCAATGGCCCATATCTGACAA	8623
TJU_CMC.ID08629.5p-miR	20	+	41264600	41264622	CTACTAGACTGTGAGGACTCTTT	8624
TJU_CMC.ID08630.3p-miR	20	+	41496851	41496872	TGGAGAGAAAGGCTCAATCTTC	8625
TJU_CMC.ID08631.3p-miR	20	-	41771250	41771269	TAGCTATAGCTCTTGTTATT	8626
TJU_CMC.ID08632.3p-miR	20	+	41892326	41892348	CACTGGTTCACCAAATGCAAACA	8627
TJU_CMC.ID08633.3p-miR	20	-	41940320	41940342	TCTCTCTCTTTCCCCCCTCCTTC	8628
TJU_CMC.ID08634.3p-miR	20	+	42074268	42074289	CGGGCCTTAGGGTGGGATGAAA	8629
TJU_CMC.ID08635.3p-miR	20	-	42365375	42365394	GGTAGTTCTGAGTTGAGTGT	8630
TJU_CMC.ID08636.3p-miR	20	-	42664829	42664851	TCTAAAATCAGTGCAGCTGTGAC	8631
TJU_CMC.ID08637.3p-miR	20	+	42853167	42853187	AAGGTACGAGCTTAGCTGGAC	8632

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TJU_CMC.ID08638.3p-miR	20	+	42932725	42932746	CAACAAATCATGACTCATTGTG	8633
TJU_CMC.ID08639.3p-miR	20	+	43039858	43039878	CCCTGCCCTGCTCCCCACAGC	8634
TJU_CMC.ID08640.5p-miR	20	-	43094541	43094561	CTGTGACAGTGGCCATCTCCA	8635
TJU_CMC.ID08641.5p-miR	20	-	44109757	44109777	CCTAGCAGGCACCTGGGTATA	8636
TJU_CMC.ID08642.5p-miR	20	-	44128617	44128638	TGGTGCAATGGACCTATGGACA	8637
TJU_CMC.ID08643.3p-miR	20	-	44506370	44506391	GACAATGTCTAGGCTGTCCATG	8638
TJU_CMC.ID08644.5p-miR	20	+	44574199	44574219	TATGGCTTTTCATTCCCTTTC	8639
TJU_CMC.ID08645.3p-miR	20	-	44791817	44791836	TTTGGCAATGGTAATGTGAG	8640
TJU_CMC.ID08646.3p-miR	20	-	44823850	44823872	TGAATGGGCTTGCATGCCCAGTT	8641
TJU_CMC.ID08647.5p-miR	20	-	44990564	44990584	CAGTGCTGCAGCAGGAAATGC	8642
TJU_CMC.ID08648.3p-miR	20	-	45078394	45078416	ACTTGCATCTAAATCTGATCAAG	8643
TJU_CMC.ID08649.3p-miR	20	+	45439824	45439845	CTCCCCCCTCCCCGCCCCTCGC	8644
TJU_CMC.ID08650.5p-miR	20	-	45470318	45470337	AGGGCTGCAGCATGAAGGTT	8645
TJU_CMC.ID08651.3p-miR	20	+	46061705	46061724	AACGGCAACTTGGGGTAAGG	8646
TJU_CMC.ID08652.5p-miR	20	+	46243561	46243584	AGGGGAGCATTAGTATCTGCTGAG	8647
TJU_CMC.ID08653.3p-miR	20	+	46321539	46321559	ATGCTGTGCAGACATTAAAAA	8648
TJU_CMC.ID08654.3p-miR	20	-	46380895	46380914	TGCCACAGTGTTGTTTGTCT	8649
TJU_CMC.ID08655.5p-miR	20	+	46679807	46679826	CAGCAATTCCTGATGTGCTG	8650
TJU_CMC.ID08656.5p-miR	20	-	46727416	46727436	CAGAGCAGGAACAGTGGCAGA	8651
TJU_CMC.ID08657.5p-miR	20	-	47211293	47211314	TTCTTTGGTTTCCAGCAACAGA	8652
TJU_CMC.ID08658.5p-miR	20	+	47229013	47229032	CCCCCGGCATCTCCACCGCC	8653
TJU_CMC.ID08659.5p-miR	20	-	47422584	47422604	TGAACGTCCTACAGTGCCTAG	8654
TJU_CMC.ID08660.5p-miR	20	+	48055171	48055193	TTCAAGTAATCCTCCCGCTTCAG	8655
TJU_CMC.ID08661.3p-miR	20	-	48997404	48997424	CATCGCTGGAGAATCTCATGC	8656
TJU_CMC.ID08662.5p-miR	20	-	49135661	49135682	TAGCAGGTAGAGAAATAGGGGC	8657
TJU_CMC.ID08663.3p-miR	20	+	49184328	49184350	TAGGAATAGTTGCTGATGTTTCA	8658
TJU_CMC.ID08664.5p-miR	20	-	49408801	49408821	CCACTACGCCTAATATTTTTT	8659
TJU_CMC.ID08665.5p-miR	20	+	49424460	49424481	TTCAGACGGGAGTCTCGCTCTC	8660
TJU_CMC.ID08666.5p-miR	20	+	49430456	49430477	TGAGTGGAGCAGTTTATGCCCA	8661
TJU_CMC.ID08667.3p-miR	20	+	49600885	49600906	TTCAAGGCCGACAGGAAGAAGG	8662
TJU_CMC.ID08668.5p-miR	20	+	49809036	49809057	TGGGGCTTTTTCGTTTGCTGGT	8663

Table 1. Novel miRNA sequences

TJU_CMC.ID08669.5p-miR	20	+	49842489	49842510	GTCTGATTGCAGAAAGCAACCA	8664
TJU_CMC.ID08670.3p-miR	20	-	49855666	49855687	GGCTGGGTGCTCAATGATGTCT	8665
TJU_CMC.ID08671.3p-miR	20	+	49870517	49870539	GAGCTCGCTGAGTGGGGTAGGGA	8666
TJU_CMC.ID08672.5p-miR	20	+	49871084	49871105	TCTGACTCTGAAGCCCCTGCAT	8667
TJU_CMC.ID08673.3p-miR	20	+	50900047	50900069	TGTCCTTAGTTACCATATGCAGA	8668
TJU_CMC.ID08674.5p-miR	20	+	51105603	51105622	GCATTGGTGGTTCAGCTTGA	8669
TJU_CMC.ID08675.5p-miR	20	-	51151695	51151718	GATTATTAGTGAGGCTGGTGATGA	8670
TJU_CMC.ID08676.3p-miR	20	-	51290470	51290491	TGGTGTCCCAGAGGTTGTGAGG	8671
TJU_CMC.ID08677.3p-miR	20	+	51877873	51877892	CTTTTAATGCTCTTGTTCAA	8672
TJU_CMC.ID08678.5p-miR	20	+	51880827	51880847	TAGCAGGTAGCAGGTAGCACA	8673
TJU_CMC.ID08679.5p-miR	20	+	52015815	52015835	TTCTGCTTGATCTTTGGTGTA	8674
TJU_CMC.ID08680.5p-miR	20	+	52025500	52025521	TAGAGACGGTCACTGATTCCCT	8675
TJU_CMC.ID08681.3p-miR	20	-	52226045	52226065	CATGCTGTTTTTATTTGTGGG	8676
TJU_CMC.ID08682.5p-miR	20	-	52380660	52380679	CGTCTCCTCGTGTTTCTATG	8677
TJU_CMC.ID08683.3p-miR	20	+	52544673	52544695	ACCCAAAAACGTGTGACCACTGA	8678
TJU_CMC.ID08684.3p-miR	20	+	52580769	52580789	TTGCAAACTCAAATACCCACA	8679
TJU_CMC.ID08685.3p-miR	20	+	52763687	52763708	TCCCTGAGCAAGATACTTAACT	8680
TJU_CMC.ID08686.5p-miR	20	+	52775389	52775409	TTTCTAATTAGCTAGGGGAAG	8681
TJU_CMC.ID08687.5p-miR	20	-	53711710	53711731	GTGGCAAATCTGGTATGGGGTT	8682
TJU_CMC.ID08688.3p-miR	20	+	53738361	53738382	TGTGCGAATCCCAAAAGCATAG	8683
TJU_CMC.ID08689.3p-miR	20	-	54499953	54499972	CCAGGAGCTATACAACGGCT	8684
TJU_CMC.ID08690.5p-miR	20	-	54606317	54606338	TGAGGTAGTAGTTTGTGTCTTT	8685
TJU_CMC.ID08691.3p-miR	20	-	54776103	54776126	TTGGAGGACATTGTGTTCAGTGGA	8686
TJU_CMC.ID08692.5p-miR	20	-	54821481	54821501	AAGCCATCTAGGAAGTTGGGG	8687
TJU_CMC.ID08693.3p-miR	20	+	55449576	55449595	CCCCGGCATCTCCAGGCAAA	8688
TJU_CMC.ID08694.5p-miR	20	-	56192332	56192354	GTGCTCCTGGCAGCAGGAACAGT	8689
TJU_CMC.ID08695.3p-miR	20	-	56228083	56228104	CAACGGAATCCCAGAGGTGAGA	8690
TJU_CMC.ID08696.3p-miR	20	+	56305864	56305887	CCTCCCGGGGCTTGCGGGTGAGGC	8691
TJU_CMC.ID08697.5p-miR	20	-	56337594	56337615	CAAATAGCAGGGTCCATATATT	8692
TJU_CMC.ID08698.5p-miR	20	-	56885758	56885779	TCTGAGTAATCCCTGATGAATC	8693
TJU_CMC.ID08699.5p-miR	20	-	56964629	56964650	CCCGCCGCGCCGGGCTCCGTCC	8694

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TJU_CMC.ID08700.5p-miR	20	-	57414195	57414214	TGAGGTAGTAGTTTGCAAGT	8695
TJU_CMC.ID08701.5p-miR	20	+	57421458	57421479	TCGACACCATTAACATCACTGT	8696
TJU_CMC.ID08702.3p-miR	20	-	57423120	57423141	GGTGGCAAACAGTGGCGTTTTG	8697
TJU_CMC.ID08703.3p-miR	20	-	57427095	57427116	GCCTCAGAGTTTCGCAGGTCCT	8698
TJU_CMC.ID08704.5p-miR	20	+	57629412	57629432	TATCAACTTAGCAAATCGAAA	8699
TJU_CMC.ID08705.3p-miR	20	-	58152532	58152554	GGGCCGCGGAGCGGAGCCGGGGC	8700
TJU_CMC.ID08706.5p-miR	20	+	58518202	58518224	AACTCTGATGTGAGATTCAGCAT	8701
TJU_CMC.ID08707.3p-miR	20	-	58654870	58654893	GCCTAGGCTTTGACATATTTTTTG	8702
TJU_CMC.ID08708.3p-miR	20	-	58672295	58672314	CTCCAAGGTGAACAGAAGAG	8703
TJU_CMC.ID08709.3p-miR	20	+	58844250	58844272	GAGAAACCAAAGGTGCCTCTGTG	8704
TJU_CMC.ID08710.5p-miR	20	+	58847872	58847891	GACAGCTAAGGACTGCAGGT	8705
TJU_CMC.ID08711.5p-miR	20	+	58968619	58968640	TACTGAACTCTTGCCACGTGGC	8706
TJU_CMC.ID08712.3p-miR	20	-	59208401	59208423	TGGCACCATCCATGCAGGTGACC	8707
TJU_CMC.ID08713.3p-miR	20	+	59219880	59219899	GCCTCCAACTGGACATTTTG	8708
TJU_CMC.ID08714.3p-miR	20	+	59304804	59304824	TCTCTTATCAGATCAGCAGCA	8709
TJU_CMC.ID08715.5p-miR	20	+	59363402	59363423	CATGCCTTAGGGAAAAGCCCAT	8710
TJU_CMC.ID08716.5p-miR	20	+	59713779	59713801	TAGCTTACTGCTTCAGCAGCATT	8711
TJU_CMC.ID08717.3p-miR	20	+	59745844	59745864	TGGCTCACAAGTCACTTGTCT	8712
TJU_CMC.ID08718.3p-miR	20	+	59881147	59881169	TCTTGAAAACTTTGAAGGCTTCT	8713
TJU_CMC.ID08719.5p-miR	20	+	60202254	60202274	CTGGGGATCAGGCCAGTGGTT	8714
TJU_CMC.ID08720.3p-miR	20	-	60219279	60219301	CCTCTGGGCCCTCTTCTGGACGG	8715
TJU_CMC.ID08721.3p-miR	20	-	60359907	60359926	GGGAAACTCGCGCCATCCAG	8716
TJU_CMC.ID08722.5p-miR	20	-	60736075	60736094	GGCAGAGGTGGGATCCCTCT	8717
TJU_CMC.ID08723.3p-miR	20	+	60740354	60740373	TCCTGCCGGCTCTTGTTGCC	8718
TJU_CMC.ID08724.3p-miR	20	-	60747646	60747665	CGACACGGTAACTTTGGAAT	8719
TJU_CMC.ID08725.3p-miR	20	+	60783406	60783425	GCGCGCCCCCCCCCACCCCG	8720
TJU_CMC.ID08726.5p-miR	20	-	60903672	60903694	TGACGATGATGTTGATTCTGAGC	8721
TJU_CMC.ID08727.5p-miR	20	+	61042840	61042861	ACAGCAGGCACAAGTGAGCCAG	8722
TJU_CMC.ID08728.3p-miR	20	+	61050309	61050329	GCCCCGGGCGGGTGCGCGGCT	8723
TJU_CMC.ID08729.3p-miR	20	-	61050664	61050684	CGGCGGCACCTGCCCGGCATA	8724

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TJU_CMC.ID08730.5p-miR	20	+	61151519	61151541	ACATACTTCTTTATATGCCCATA	8725
TJU_CMC.ID08731.3p-miR	20	-	62171173	62171194	CGTGGGGGATTTGGAGTCTTCT	8726
TJU_CMC.ID08732.5p-miR	20	-	62387806	62387827	AGTTGATGTGTTTGGATCCCTTTC	8727
TJU_CMC.ID08733.3p-miR	20	-	62544493	62544512	ACGGGCATGACACAGCACAG	8728
TJU_CMC.ID08734.5p-miR	20	+	62717625	62717644	TCTGCAAGAAGGGGCTTGTA	8729
TJU_CMC.ID08735.3p-miR	20	-	62830601	62830622	TAGCACCAAGACTGATCGCCTG	8730
TJU_CMC.ID08736.3p-miR	20	-	62862970	62862991	CAGTGCAATCAGGGGGCAATGC	8731
TJU_CMC.ID08737.5p-miR	20	-	62872095	62872116	TCCCTGAGAACCTTGTCCATGA	8732
TJU_CMC.ID08738.3p-miR	21	+	15715921	15715941	CAGCAGCAATTCTAGTTTAGA	8733
TJU_CMC.ID08739.5p-miR	21	-	15806700	15806722	CTTAGGCTCCTGATGCCTGTGAC	8734
TJU_CMC.ID08740.3p-miR	21	-	16029420	16029441	TCTCAACCACAGTGTTGTGACA	8735
TJU_CMC.ID08741.5p-miR	21	+	16309674	16309696	CTATTAGGTCCGCGTTGTGCAGA	8736
TJU_CMC.ID08742.5p-miR	21	+	16750553	16750575	CACATTTTAGATACGTTTTGAAG	8737
TJU_CMC.ID08743.3p-miR	21	-	17216335	17216354	TGAGGTAGTAGGTTGCTACC	8738
TJU_CMC.ID08744.3p-miR	21	+	17417345	17417366	TCTAGTTAGTTGAAATCAGTGT	8739
TJU_CMC.ID08745.5p-miR	21	-	17433633	17433655	GCTTCTGGGGCCCAGGAAGCCCC	8740
TJU_CMC.ID08746.3p-miR	21	+	18646051	18646071	AAAAATGCAGGGGTTGCATAT	8741
TJU_CMC.ID08747.5p-miR	21	+	18769465	18769486	TCCAAACTGGGATGTACTGACA	8742
TJU_CMC.ID08748.5p-miR	21	-	20057906	20057926	TGTGATGCCACGTGAACGCAG	8743
TJU_CMC.ID08749.5p-miR	21	-	20514049	20514068	TGAGATGAAGCACTGTGTTG	8744
TJU_CMC.ID08750.3p-miR	21	-	20779118	20779139	GTCCAGTTTTTCCAGGAAGAGG	8745
TJU_CMC.ID08751.5p-miR	21	-	21093112	21093133	TTGGACTCCGGGATTAGGTGCT	8746
TJU_CMC.ID08752.5p-miR	21	-	21879941	21879961	GTCCAGCCCCTTCAGGAATCA	8747
TJU_CMC.ID08753.3p-miR	21	+	22043358	22043377	GTGACGACATTGCCCTGCAG	8748
TJU_CMC.ID08754.3p-miR	21	-	22229362	22229381	CCCCCGGCATCTCTGTTTTC	8749
TJU_CMC.ID08755.5p-miR	21	-	23655825	23655845	AGAGGTAGTACTGGTATAAGT	8750
TJU_CMC.ID08756.3p-miR	21	+	24906083	24906102	GCCACTTGACCAGTATAGCA	8751
TJU_CMC.ID08757.3p-miR	21	-	24993616	24993637	GTCTTGCTGCTGTTGTTGTGT	8752
TJU_CMC.ID08758.5p-miR	21	-	25568177	25568197	CAACTCCAAATAAAACATGGT	8753

Table 1. Novel miRNA sequences

TJU_CMC.ID08759.5p-miR	21	-	25680843	25680862	CCTTCACACCATGTACCCAG	8754
TJU_CMC.ID08760.5p-miR	21	+	26088059	26088079	TTGTAGAGATTACAGTGACCA	8755
TJU_CMC.ID08761.5p-miR	21	-	26177274	26177293	GCAAGGTGCTGTGCTGTTGA	8756
TJU_CMC.ID08762.5p-miR	21	+	26219517	26219537	CTGACCTATGGGCCAGGGGCT	8757
TJU_CMC.ID08763.5p-miR	21	-	26784693	26784714	TAGGATATCAGACACTAAAACT	8758
TJU_CMC.ID08764.5p-miR	21	-	26880956	26880976	TTCCAGTTTTCCCAGGAAAGA	8759
TJU_CMC.ID08765.3p-miR	21	+	27089017	27089037	ACAGCAGGCACAGACAAGATT	8760
TJU_CMC.ID08766.5p-miR	21	-	27252749	27252770	CACACCTGTTGTGTCTTAATTG	8761
TJU_CMC.ID08767.5p-miR	21	+	27728086	27728108	ACTGAACTTCCTGGGCAGCACTC	8762
TJU_CMC.ID08768.5p-miR	21	-	28034076	28034098	TAGCTTATAATCAGCTACAATCT	8763
TJU_CMC.ID08769.5p-miR	21	+	28158450	28158471	TAGCACCATAGTCCATATGCAG	8764
TJU_CMC.ID08770.5p-miR	21	-	28200297	28200317	GGGAAGGCCACATTCCTTTAC	8765
TJU_CMC.ID08771.5p-miR	21	+	28347232	28347252	CTTACCTATGAATGTCACTTA	8766
TJU_CMC.ID08772.5p-miR	21	+	28370708	28370727	ATCCCACATAGTAACAAGGG	8767
TJU_CMC.ID08773.5p-miR	21	-	29658210	29658229	CTGCGCTGGAGTCTTGTGTG	8768
TJU_CMC.ID08774.5p-miR	21	+	29661067	29661086	GAAGGCATGCTCTTGTTGCC	8769
TJU_CMC.ID08775.5p-miR	21	+	30204627	30204646	AAAGCTGGGTTGAGAGAGGA	8770
TJU_CMC.ID08776.3p-miR	21	+	30407244	30407264	GGACAACTGGAGTGTATGGTG	8771
TJU_CMC.ID08777.5p-miR	21	+	30589442	30589461	GCCCGTGGACAACACACCAT	8772
TJU_CMC.ID08778.5p-miR	21	-	30856059	30856081	TGCAAGCGCTTACAGTGAGGTCT	8773
TJU_CMC.ID08779.3p-miR	21	-	30892876	30892897	TAGAAACTAAAGACATGGTCAC	8774
TJU_CMC.ID08780.3p-miR	21	+	31358202	31358222	CCTAGGCGAGAGCCATAACAC	8775
TJU_CMC.ID08781.3p-miR	21	-	32097171	32097191	AGCTCGAGTCTGTGATCTCTG	8776
TJU_CMC.ID08782.5p-miR	21	-	32113467	32113488	ACGAGGTTAATGCACTAGTCCT	8777
TJU_CMC.ID08783.5p-miR	21	+	32437746	32437765	GGGCTGAAGGGTATACATGG	8778
TJU_CMC.ID08784.3p-miR	21	-	32538344	32538365	TGTCAGTTTGAGAAGCACCCCA	8779
TJU_CMC.ID08785.5p-miR	21	+	33245642	33245663	GCGCCCCACCCCGCGCGCCCGA	8780
TJU_CMC.ID08786.5p-miR	21	-	33499764	33499783	TAGGATGCTATAGGAGCCCA	8781
TJU_CMC.ID08787.3p-miR	21	-	33684800	33684821	GGGAGGTTGAAGGTGCAACTCA	8782
TJU_CMC.ID08788.3p-miR	21	-	33697894	33697915	TAGAAACTGAAGGTATGGTCAT	8783
TJU_CMC.ID08789.3p-miR	21	-	34171844	34171864	GCAGTCTCAAGTATAGATCTG	8784

Table 1. Novel miRNA sequences

TJU_CMC.ID08790.3p-miR	21	-	34400080	34400099	ATAGCCGACACGTGGTGGTG	8785
TJU_CMC.ID08791.3p-miR	21	-	35079776	35079796	GGGAATGATGATTTCACAGGC	8786
TJU_CMC.ID08792.5p-miR	21	-	36098951	36098972	AGGAGTCTCAAATCCAGGTGTC	8787
TJU_CMC.ID08793.5p-miR	21	-	36280851	36280872	GTCCACAAAACCCAGGAAACAC	8788
TJU_CMC.ID08794.3p-miR	21	-	36413135	36413156	AGCTCTGAACACACCGCAGGGT	8789
TJU_CMC.ID08795.3p-miR	21	-	36837409	36837429	ACAGGCCAGTAAGGAAATGTT	8790
TJU_CMC.ID08796.3p-miR	21	-	37446358	37446378	CAGGAACTAATGACAGCAGGG	8791
TJU_CMC.ID08797.5p-miR	21	-	37529070	37529089	CGCGCGGGTCGGGGCGGAGC	8792
TJU_CMC.ID08798.3p-miR	21	-	37657827	37657846	GGGGCTGGGCCTATCCACGA	8793
TJU_CMC.ID08799.5p-miR	21	-	38167607	38167626	GACCTAGATGCTGGCTAGCT	8794
TJU_CMC.ID08800.3p-miR	21	+	38252386	38252407	TCAGTAGAAGTCAAATCCCTCA	8795
TJU_CMC.ID08801.5p-miR	21	+	38375712	38375731	ATGGGGGGCCGGTTGCACAA	8796
TJU_CMC.ID08802.3p-miR	21	+	38553883	38553903	AGGGAACATTACTGAGCTGTT	8797
TJU_CMC.ID08803.3p-miR	21	+	38617298	38617320	TGCATGGGCTCATGCAAAGTCAA	8798
TJU_CMC.ID08804.3p-miR	21	-	38824730	38824751	TCTATAAACGGCATCTCCACCC	8799
TJU_CMC.ID08805.3p-miR	21	+	39052765	39052786	TCGACTGGGCATGGGGCACCCA	8800
TJU_CMC.ID08806.5p-miR	21	-	39077528	39077548	GCCCCTCTAGAGGAGCCTACA	8801
TJU_CMC.ID08807.3p-miR	21	+	39268782	39268804	TGGCATGGGGTTCGGCTGTGTCT	8802
TJU_CMC.ID08808.5p-miR	21	-	39847473	39847492	ATGCGGACCAGGGGAATGGC	8803
TJU_CMC.ID08809.3p-miR	21	+	39895879	39895900	ACACTTTGTTTTTGTAGGTGTT	8804
TJU_CMC.ID08810.5p-miR	21	+	40057272	40057293	TCTCCAAGTACCACCACGCTAA	8805
TJU_CMC.ID08811.5p-miR	21	+	40124199	40124218	CTGCATGGATTGGATGGAGG	8806
TJU_CMC.ID08812.3p-miR	21	-	40461188	40461207	TAAAGTGCACAATACGCATC	8807
TJU_CMC.ID08813.3p-miR	21	-	40480387	40480408	CTTTTGACCAGACTTGGGCCCG	8808
TJU_CMC.ID08814.3p-miR	21	-	40948671	40948690	CTCTGCAGGTAGAGCAAATG	8809
TJU_CMC.ID08815.5p-miR	21	+	41656585	41656605	AGCAGCTGTTAGCAGTGACGG	8810
TJU_CMC.ID08816.3p-miR	21	-	41812902	41812923	TAGCCTGCATCCAGTGCAGACC	8811
TJU_CMC.ID08817.5p-miR	21	+	41856663	41856685	CAAAGTGCTGCTGACATAAGTCT	8812
TJU_CMC.ID08818.5p-miR	21	+	41907585	41907604	AGGATGGATAAGAGCCAATC	8813
TJU_CMC.ID08819.3p-miR	21	+	41955317	41955336	ATAACCCACAAACGAACCCA	8814
TJU_CMC.ID08820.3p-miR	21	+	42279052	42279074	AACGATGTCAGAGAGATTCCATC	8815

Table 1. Novel miRNA sequences

TJU_CMC.ID08821.5p-miR	21	-	42540698	42540718	CCTCAGTGCGCCCCGGGCGGG	8816
TJU_CMC.ID08822.3p-miR	21	+	42854372	42854394	TCACGTTATTCATGCAAAGCTGA	8817
TJU_CMC.ID08823.5p-miR	21	+	43041858	43041879	TGGACCCCGCCCAAAGCAGCT	8818
TJU_CMC.ID08824.5p-miR	21	+	43266651	43266673	CAGAAGTTTGCTGGGCGTGGTGG	8819
TJU_CMC.ID08825.5p-miR	21	-	43476261	43476282	TAGCTTTACAGGTGTCAACCAG	8820
TJU_CMC.ID08826.3p-miR	21	+	43531921	43531942	CTAGCAATGCTCAGGCGGCATC	8821
TJU_CMC.ID08827.3p-miR	21	-	43533865	43533885	GATCTCAACCAGGTGCAAGAC	8822
TJU_CMC.ID08828.3p-miR	21	+	43574348	43574369	AGTCAGGGGCAGTTTATGGGGT	8823
TJU_CMC.ID08829.5p-miR	21	+	43639365	43639386	CCCGGGGCATGGCCTGTCTGAT	8824
TJU_CMC.ID08830.3p-miR	21	-	43769402	43769424	TAGCACAGGTTGATTAGTCTGGG	8825
TJU_CMC.ID08831.3p-miR	21	+	44107028	44107047	ACATCACCCCATAGGTGCCT	8826
TJU_CMC.ID08832.5p-miR	21	-	44179398	44179419	TTGCTTATCAGAGCAGGAGTAG	8827
TJU_CMC.ID08833.5p-miR	21	-	44418169	44418188	CTTGGGTACAACTTTATCAG	8828
TJU_CMC.ID08834.5p-miR	21	-	44889788	44889807	GGAGAGCCGGCCGAGTGGCA	8829
TJU_CMC.ID08835.3p-miR	21	-	44914302	44914321	CCTCCCCCGTCTCCGCCCAC	8830
TJU_CMC.ID08836.5p-miR	21	+	44968332	44968353	TAGTCATTGCCAGGGATGGAGT	8831
TJU_CMC.ID08837.3p-miR	21	+	45735089	45735108	TAGCTTATGTCTGTGACTCA	8832
TJU_CMC.ID08838.5p-miR	21	-	45895698	45895718	TCCGAGTCACGGCACCAAAGT	8833
TJU_CMC.ID08839.3p-miR	21	-	45931306	45931327	TGTATCTGCATGTGTATCCACA	8834
TJU_CMC.ID08840.3p-miR	21	-	45941826	45941845	TCAACGGCACCTCCACCAAG	8835
TJU_CMC.ID08841.3p-miR	21	-	45956846	45956865	AGGTATTTCATAGGGATGTT	8836
TJU_CMC.ID08842.3p-miR	21	-	46076955	46076976	GTCCAGGGGAGGCAGGAATCCT	8837
TJU_CMC.ID08843.3p-miR	21	+	46099890	46099911	CTAGGCAAACAGTTTATGGCTA	8838
TJU_CMC.ID08844.5p-miR	21	+	46301290	46301311	AGTCACCTGCCAGGGATTTCCA	8839
TJU_CMC.ID08845.3p-miR	21	-	46644345	46644366	CCTGGACGGCTTGGGATAGGGT	8840
TJU_CMC.ID08846.3p-miR	21	-	46679572	46679592	TGTTAGAGTTCTGATGGCATC	8841
TJU_CMC.ID08847.5p-miR	21	-	46782247	46782268	CCTGATGCCACCCCAAAGGTGC	8842
TJU_CMC.ID08848.3p-miR	21	-	46786432	46786451	GAGGACGCGAGCCGAGCCCT	8843
TJU_CMC.ID08849.3p-miR	21	-	46901391	46901412	TGTCATGGGTGACCTAACCCCA	8844
TJU_CMC.ID08850.3p-miR	21	+	47371352	47371373	CCCATGGGCACCTAGCGGGGTT	8845
TJU_CMC.ID08851.3p-miR	21	+	47459909	47459928	ACCCCACCGCTGCCACCCGC	8846

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TJU_CMC.ID08852.5p-miR	21	+	47508070	47508092	TACCTTAGACTCTCAGCTGGTCC	8847
TJU_CMC.ID08853.5p-miR	21	+	47662463	47662482	TGAGATGAAATGTCAGCTGT	8848
TJU_CMC.ID08854.3p-miR	21	+	47821166	47821187	TGTCAGTTTTGAAAATATTGGT	8849
TJU_CMC.ID08855.3p-miR	21	-	48081624	48081643	CCCCTCCACGCGCCCCGCGC	8850
TJU_CMC.ID08856.3p-miR	22	-	18239057	18239079	CGTCAGTTTGTCAACGCATTTCC	8851
TJU_CMC.ID08857.5p-miR	22	-	18352157	18352179	CGTCAGTGATGAGCCTGAGACTG	8852
TJU_CMC.ID08858.5p-miR	22	+	18921660	18921679	GCTACTACAACCTGACACGC	8853
TJU_CMC.ID08859.5p-miR	22	+	18956020	18956041	GCTGTGGTGCCAGAAGCCTCCA	8854
TJU_CMC.ID08860.3p-miR	22	+	19046323	19046344	TGAGTCAGGCAACCAGCAAAAC	8855
TJU_CMC.ID08861.5p-miR	22	+	19116423	19116444	TGGGACTCTGGGAGGCTGTCAC	8856
TJU_CMC.ID08862.3p-miR	22	+	19215509	19215529	TCTAATGATGGTCTTGACAAG	8857
TJU_CMC.ID08863.5p-miR	22	-	19267022	19267043	GGCTCACAAATCTGATGGATAA	8858
TJU_CMC.ID08864.5p-miR	22	+	19615084	19615105	GCCCCTGGGCCTCGAAGCTCCC	8859
TJU_CMC.ID08865.3p-miR	22	+	19796226	19796245	AGTAACAGCAACTCCGGGAC	8860
TJU_CMC.ID08866.3p-miR	22	-	20004465	20004485	CCCAATGGCAAGCCGTCATCT	8861
TJU_CMC.ID08867.3p-miR	22	+	20052742	20052764	CCCTCCTCTCCTGTGGCCACAGA	8862
TJU_CMC.ID08868.5p-miR	22	+	20070251	20070272	CTTGCCTGCTTGTAAAGCAGCT	8863
TJU_CMC.ID08869.5p-miR	22	+	21167317	21167337	ACTGGACTTGGAGTCAGAATC	8864
TJU_CMC.ID08870.3p-miR	22	-	21343139	21343160	TGGCGTTGCCGTCATAGCCAGC	8865
TJU_CMC.ID08871.3p-miR	22	+	21347237	21347258	CCCCCGTGATGAGAAACTGAGG	8866
TJU_CMC.ID08872.5p-miR	22	-	21570279	21570299	CTATGAGATGCTGGCCATCGA	8867
TJU_CMC.ID08873.3p-miR	22	-	21604332	21604351	GCCACTTGTGGAGTATAGCA	8868
TJU_CMC.ID08874.5p-miR	22	-	22111728	22111749	AAACATGACACCGGTTCCATGC	8869
TJU_CMC.ID08875.3p-miR	22	+	22273035	22273054	CGAGGATGGCGGAGCGGGGT	8870
TJU_CMC.ID08876.5p-miR	22	+	22392387	22392409	TCTCTTATCAGACTGAGTCACTG	8871
TJU_CMC.ID08877.5p-miR	22	+	22438688	22438709	AAACCTTTACCAAATGCAGACC	8872
TJU_CMC.ID08878.3p-miR	22	-	22758269	22758291	TCTCAGTAATGGTACGCAGGCAT	8873
TJU_CMC.ID08879.5p-miR	22	+	23104876	23104897	TGCTGACTGGTACCCGCAAAAG	8874
TJU_CMC.ID08880.5p-miR	22	-	23226212	23226234	GAGGGCTCTGGTGGCCGGGCAGA	8875
TJU_CMC.ID08881.3p-miR	22	-	23871980	23872001	CTGACCTGCTCATTGATAGCCA	8876
TJU_CMC.ID08882.5p-miR	22	-	24851223	24851245	TGGCTCAGTTCAGCATTTGTTGA	8877

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TJU_CMC.ID08883.3p-miR	22	-	24928467	24928489	CGCACCCAGCTGACAACTGTGAA	8878
TJU_CMC.ID08884.5p-miR	22	+	25265693	25265712	TAGAGGCGAAGCAGAGCACC	8879
TJU_CMC.ID08885.5p-miR	22	+	25416516	25416536	GCTAGGAGCTCACAGTCTAGT	8880
TJU_CMC.ID08886.5p-miR	22	-	25591675	25591696	AGCATAGATCAACAAAGCAGCT	8881
TJU_CMC.ID08887.3p-miR	22	+	25679055	25679074	CGCCGCCGTCCCCAAGCGGC	8882
TJU_CMC.ID08888.3p-miR	22	-	26406554	26406575	ACTCTAGAGTGCTAATTTGCTA	8883
TJU_CMC.ID08889.3p-miR	22	+	26621144	26621163	AGTTTTCTGATTAGCTTGGT	8884
TJU_CMC.ID08890.5p-miR	22	+	26694490	26694510	CTGTCTCGCAGGCCAGTAGTT	8885
TJU_CMC.ID08891.3p-miR	22	-	26735121	26735142	ATTTGTAAGCCAGGGATTGTGG	8886
TJU_CMC.ID08892.5p-miR	22	-	26968328	26968349	GGCTCCACCTTCCTAGGTTGGC	8887
TJU_CMC.ID08893.3p-miR	22	+	27428244	27428265	AAGCTCGCTCTCACAGCAAACT	8888
TJU_CMC.ID08894.3p-miR	22	+	27760706	27760729	TTTGCTGCTCTATAAGTAAGGTGT	8889
TJU_CMC.ID08895.3p-miR	22	+	27776543	27776562	TCCAATGCATCTCTGTTGTA	8890
TJU_CMC.ID08896.3p-miR	22	-	27853240	27853261	TCCCTTCCTGGGGCCAGTGTGA	8891
TJU_CMC.ID08897.5p-miR	22	+	27900531	27900552	ATGATGTGTTGTTGCCATCCAT	8892
TJU_CMC.ID08898.5p-miR	22	+	27923600	27923621	AGCAGCACTGTGAGATTGAGAG	8893
TJU_CMC.ID08899.3p-miR	22	+	28072903	28072924	CAAAAGGCCTCTTAAAACCTAG	8894
TJU_CMC.ID08900.3p-miR	22	+	28081198	28081217	TAAAGGCATCACGCTGTGGA	8895
TJU_CMC.ID08901.5p-miR	22	+	29656795	29656815	CTGCAGCACCTGCAGCCGTCG	8896
TJU_CMC.ID08902.5p-miR	22	-	29746572	29746593	AGCCTATGATGCCGTCCTGAGA	8897
TJU_CMC.ID08903.3p-miR	22	-	29860711	29860731	CTGTGCTGCTCAGATCAGACC	8898
TJU_CMC.ID08904.3p-miR	22	+	29906347	29906368	AGGCTGAGACAAGCTGATCACT	8899
TJU_CMC.ID08905.5p-miR	22	+	29957830	29957849	CCTGAGAATCGCCACAGGTG	8900
TJU_CMC.ID08906.5p-miR	22	-	30431138	30431158	GCTGGAGTGCAGTAACGCGAC	8901
TJU_CMC.ID08907.3p-miR	22	+	30669383	30669404	TTGCTTATGTCACACGGTGGCT	8902
TJU_CMC.ID08908.3p-miR	22	+	30819310	30819332	CTGAGTGTCCCGCGGTGCCCGCC	8903
TJU_CMC.ID08909.3p-miR	22	+	30882121	30882141	AAGCGGCTGTGCAAACTGTGG	8904
TJU_CMC.ID08910.5p-miR	22	+	31609059	31609080	AAAGATCTCTGCTACAGGTGGC	8905
TJU_CMC.ID08911.5p-miR	22	-	31613416	31613439	TGAGCTGGGATTAGACCACAGGTC	8906
TJU_CMC.ID08912.3p-miR	22	+	32210755	32210776	TAGGACTTTGGCTGCATAATGT	8907
TJU_CMC.ID08913.3p-miR	22	+	32257009	32257029	ACACTCTGATGAGACCTGAGA	8908

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TJU_CMC.ID08914.3p-miR	22	+	32270513	32270532	AATAAGTGGGAGGCCTTTCT	8909
TJU_CMC.ID08916.5p-miR	22	+	32792895	32792915	ATGCAAGATGCTGGCAAGCTG	8910
TJU_CMC.ID08917.3p-miR	22	-	32800428	32800447	CACTCTAGTCTGGCATGATC	8911
TJU_CMC.ID08918.3p-miR	22	-	33041636	33041657	AGCAGCCCACTGGCTCAAATGG	8912
TJU_CMC.ID08919.5p-miR	22	+	33345968	33345989	AGGCAAGATGCTGGCAGATAGA	8913
TJU_CMC.ID08920.3p-miR	22	-	33927767	33927788	TCCTTGAGACCCTACAGCTGAG	8914
TJU_CMC.ID08921.5p-miR	22	+	34064398	34064417	TGAGATGAAGCACTAGAGGC	8915
TJU_CMC.ID08922.5p-miR	22	+	34117772	34117791	TGATTGGTCTGAGTGGTATC	8916
TJU_CMC.ID08923.3p-miR	22	-	34316921	34316941	CAGCCCGGAGCCCGGACCCCA	8917
TJU_CMC.ID08924.3p-miR	22	+	34809575	34809597	TATATATATATATGTATACGCAT	8918
TJU_CMC.ID08925.3p-miR	22	-	35116424	35116446	ATACTCTGATATACTGTCTTATA	8919
TJU_CMC.ID08926.3p-miR	22	+	35126608	35126628	CTTCCTTCTGAGAACAACACT	8920
TJU_CMC.ID08927.5p-miR	22	-	35277290	35277310	CAGAGCAGCTACTCAGGATCT	8921
TJU_CMC.ID08928.3p-miR	22	-	35530831	35530852	TGGTGACCCAGGTTTATGGGGC	8922
TJU_CMC.ID08929.3p-miR	22	-	35562640	35562661	TGATGATGGTGACGTACAATTG	8923
TJU_CMC.ID08930.5p-miR	22	-	35651068	35651089	TGCTGCTGCTGCTGATTGGTTA	8924
TJU_CMC.ID08931.5p-miR	22	+	36032173	36032192	TTCAAGTAATCCAGCTGCCT	8925
TJU_CMC.ID08932.3p-miR	22	+	36044982	36045003	CCTGGCCCTTAGAAAGCAGATG	8926
TJU_CMC.ID08933.3p-miR	22	+	36310648	36310669	CTGCAATGTCTGCCATTCCCTG	8927
TJU_CMC.ID08934.5p-miR	22	+	36436374	36436395	CGTCAGATCACTGGGCGTGGTG	8928
TJU_CMC.ID08935.5p-miR	22	+	37062796	37062817	TTCACTGCCTTCAGAGGGAACC	8929
TJU_CMC.ID08936.5p-miR	22	-	37141897	37141918	CGGTGTTGCCCAGGGCTGAGCC	8930
TJU_CMC.ID08937.5p-miR	22	+	37167045	37167065	TAGCAATGGCCTGCACCCCAG	8931
TJU_CMC.ID08938.5p-miR	22	+	37186265	37186285	CAGCTCCGTCTCTGGGCACCA	8932
TJU_CMC.ID08939.5p-miR	22	+	37266384	37266406	CGGGACATCTAGGCTGGGGTGTC	8933
TJU_CMC.ID08940.3p-miR	22	-	37355941	37355960	TCCCAGGTCCTAATGTTTCA	8934
TJU_CMC.ID08941.5p-miR	22	-	38015830	38015852	TAGCAGCAAACTGGGCTGGGGAA	8935
TJU_CMC.ID08942.5p-miR	22	-	38395714	38395736	GCCCAGGTCACAGGGCCAAGGAG	8936
TJU_CMC.ID08943.3p-miR	22	-	38471697	38471716	GCGACCACTGCGCCATCCAG	8937
TJU_CMC.ID08944.3p-miR	22	+	38602917	38602937	CCTGGATACTTAACTGTAACT	8938
TJU_CMC.ID08945.3p-miR	22	+	38649231	38649251	GCTACACATTCGAGGCTAACC	8939

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TJU_CMC.ID08946.3p-miR	22	-	38949544	38949565	TGAGTCACCGCACTTTACCCCA	8940
TJU_CMC.ID08947.3p-miR	22	-	39640569	39640591	CCCGCGCCAGGGCGCACACGCTC	8941
TJU_CMC.ID08948.5p-miR	22	-	39908616	39908638	CCAAATGCTGCTGAGGTACACAG	8942
TJU_CMC.ID08949.5p-miR	22	-	39910631	39910653	GGCAGCAAACATGGGCCAAAACG	8943
TJU_CMC.ID08950.3p-miR	22	-	39944226	39944246	CTCAGGATATCCGGTGACTAG	8944
TJU_CMC.ID08951.3p-miR	22	-	40064347	40064366	CATCCAGTCCATTGTACATG	8945
TJU_CMC.ID08952.5p-miR	22	-	40118582	40118603	CCCAAGTCTACTAAAATTCTGG	8946
TJU_CMC.ID08953.5p-miR	22	-	40166140	40166162	TATGAAGCTGACACAGCAGCTCA	8947
TJU_CMC.ID08954.3p-miR	22	-	40889250	40889269	GGTTCCAGCTGTGCTGTCAG	8948
TJU_CMC.ID08955.3p-miR	22	-	41488071	41488090	CGGCGGCGGGAGAAGACGCC	8949
TJU_CMC.ID08956.3p-miR	22	+	41971229	41971250	GAGCTGCGAGAGCCTGCGCTGG	8950
TJU_CMC.ID08957.5p-miR	22	-	42004850	42004873	AGTGGGTGATGTTTGCTGACACTC	8951
TJU_CMC.ID08958.5p-miR	22	+	42570023	42570043	CTAATAATGAGGGTCCTGCGC	8952
TJU_CMC.ID08959.3p-miR	22	+	42739441	42739462	GCGCCCACCCCCCGCCCCCGC	8953
TJU_CMC.ID08960.5p-miR	22	+	42775959	42775981	TGCACTGGGTCCCAGGAATCCCT	8954
TJU_CMC.ID08961.5p-miR	22	+	42782798	42782817	TGCACAGTGGCTAAGGGACA	8955
TJU_CMC.ID08962.5p-miR	22	+	42995013	42995032	ACCAACGGAATCCAGACTCC	8956
TJU_CMC.ID08963.3p-miR	22	+	43122033	43122054	GCCAACTGTCTGGTAACAGCAC	8957
TJU_CMC.ID08964.3p-miR	22	+	43142916	43142935	CAGGCCAGCTCCCACACCGT	8958
TJU_CMC.ID08965.3p-miR	22	+	43372540	43372560	GGCTTGCTGCTGGGTGTTGGC	8959
TJU_CMC.ID08966.5p-miR	22	-	43383186	43383207	TGTTCAGGGACACATGGGTGGT	8960
TJU_CMC.ID08967.3p-miR	22	+	43523055	43523077	TAGAGGCCCAGACCAGCAAGCTG	8961
TJU_CMC.ID08968.5p-miR	22	-	43687653	43687672	CCCGCTGTACCAGTATAGCA	8962
TJU_CMC.ID08969.3p-miR	22	+	43855480	43855500	CTTTCTTCTGCCAGCTTGAAA	8963
TJU_CMC.ID08970.5p-miR	22	+	44225591	44225611	CTGACAGCGGAATGTCACTGA	8964
TJU_CMC.ID08971.5p-miR	22	-	44539097	44539118	TGAGTGCTGCTTGGTGTGTCAC	8965
TJU_CMC.ID08972.5p-miR	22	-	44738620	44738640	TAGAGCAGGATGTCAGCAAAC	8966
TJU_CMC.ID08973.5p-miR	22	+	45204090	45204111	CTACTGGGTGACCATAGCTTCC	8967
TJU_CMC.ID08974.5p-miR	22	+	45235245	45235266	CCACCCATCGAGATTGGATATG	8968
TJU_CMC.ID08975.3p-miR	22	+	45241254	45241276	TGAGGGCTGCTGGGTGCACCTCT	8969
TJU_CMC.ID08976.5p-miR	22	+	45339405	45339424	CGTCTCCTCGTGGGGACACG	8970

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TJU_CMC.ID08977.3p-miR	22	+	45417198	45417219	ATGACTGGTGTCTTTATGGAAC	8971
TJU_CMC.ID08978.3p-miR	22	-	45475989	45476010	TGTCAGTTGTCTGGTATCCACC	8972
TJU_CMC.ID08979.5p-miR	22	-	45722041	45722061	GTGGGGGCGGGTTCAGGAGGA	8973
TJU_CMC.ID08980.5p-miR	22	-	46509620	46509641	GGCAGTAGGTTGTATAGTTATC	8974
TJU_CMC.ID08981.5p-miR	22	-	46542884	46542904	TGACTCCATCTGATTAGCACC	8975
TJU_CMC.ID08982.3p-miR	22	-	46576695	46576714	ATCCCGGACGAGCCCCCAGA	8976
TJU_CMC.ID08983.5p-miR	22	+	46784645	46784666	CGATACTGCTCAGGGGATGACA	8977
TJU_CMC.ID08984.3p-miR	22	+	46947511	46947533	GCTTCTGGGTCCCAGGAATGCCA	8978
TJU_CMC.ID08985.5p-miR	22	+	46972741	46972762	CGTGGCCGGCGGCGGCCGCGCG	8979
TJU_CMC.ID08986.3p-miR	22	-	47134475	47134494	CGATCGCCAGGACTGCGTTT	8980
TJU_CMC.ID08987.5p-miR	22	+	47188799	47188818	TTCCCGCATTCTCCACCAGC	8981
TJU_CMC.ID08988.3p-miR	22	+	47225311	47225331	CCTGTTGTTGCTTCTCTCTTC	8982
TJU_CMC.ID08989.5p-miR	22	-	47671316	47671335	GCCAGCCCTGCTCCCTACAG	8983
TJU_CMC.ID08990.3p-miR	22	+	47736645	47736666	TTCTCACATCTATACATGTGGC	8984
TJU_CMC.ID08991.5p-miR	22	-	47820619	47820641	GTCTCTGTTTCCTGAAGGCTTTC	8985
TJU_CMC.ID08992.5p-miR	22	-	48304151	48304170	CAGAACGGAGCTAATATTTC	8986
TJU_CMC.ID08993.5p-miR	22	+	48539205	48539224	ACGTGAGCTGGTTTTAGATC	8987
TJU_CMC.ID08994.3p-miR	22	+	48771106	48771126	TGAAATGAAGCTATTTTGGCT	8988
TJU_CMC.ID08995.5p-miR	22	-	48778682	48778704	GGGGCTGATAGTCACTTCCACTG	8989
TJU_CMC.ID08996.5p-miR	22	+	48828622	48828645	GGGGCCACAGCTCAGCTGTGCTCT	8990
TJU_CMC.ID08997.3p-miR	22	+	49250743	49250762	CCATATTCTGCTCCCTACAA	8991
TJU_CMC.ID08998.3p-miR	22	+	49916640	49916661	TGAACTGGGGACCAGGAGACCC	8992
TJU_CMC.ID08999.3p-miR	22	+	50167749	50167768	CCTCCCCCCTCCCCGGGGAA	8993
TJU_CMC.ID09000.3p-miR	22	+	50324098	50324118	GGGTGGGGTCCGCGCAGGCCG	8994
TJU_CMC.ID09001.5p-miR	22	+	50416248	50416269	TGGTAACCCACTGGGCGTTTTC	8995
TJU_CMC.ID09002.3p-miR	22	+	50728096	50728116	CCCCCCACTGCTCCGGCTGTC	8996
TJU_CMC.ID09003.3p-miR	22	+	50745877	50745900	CCCCGGGCCCCAGCGCGGCAGGCC	8997
TJU_CMC.ID09004.3p-miR	22	-	50750847	50750868	TAGACCCCGTCTTGCCCTGCAG	8998
TJU_CMC.ID09005.3p-miR	22	+	50779629	50779652	CCGCGCCTGTCCCTTTATTTTTT	8999
TJU_CMC.ID09006.3p-miR	22	+	50873669	50873688	TCTCCTCGTGGGGGCCTGGG	9000
TJU_CMC.ID09007.5p-miR	22	+	50904068	50904087	CTGCTTCTGCTACTGGAGCC	9001

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TJU_CMC.ID09008.5p-miR	22	+	50959720	50959740	GGAAGGCGGCTGTGCACCCCC	9002
TJU_CMC.ID09009.3p-miR	22	-	50989567	50989589	TAGCTGTATGCACTGTACTTGTT	9003
TJU_CMC.ID09010.3p-miR	22	+	51113079	51113101	CCCGGGGCCAGCGCCGTGGTCGT	9004
TJU_CMC.ID09011.3p-miR	X	-	174685	174704	CGGCTGTACCATCCCAGGCG	9005
TJU_CMC.ID09012.5p-miR	X	+	299825	299844	CGTGATGCGGAGGCGACTAG	9006
TJU_CMC.ID09013.3p-miR	X	+	644106	644125	TAGCTGCGACTCCTGACGTG	9007
TJU_CMC.ID09014.3p-miR	X	-	708126	708147	TCTCCCAACCCTTGCGCCACAG	9008
TJU_CMC.ID09015.3p-miR	X	+	1963447	1963469	TCGAGAGGGTGGTGGCGTTTTGG	9009
TJU_CMC.ID09016.3p-miR	X	+	1963700	1963719	GCATGATATAGGGGAAAAGT	9010
TJU_CMC.ID09017.5p-miR	X	+	2376361	2376380	ATCCCACCGCTCGGTGTGTA	9011
TJU_CMC.ID09018.5p-miR	X	+	2605468	2605489	GACTGTGGCCAGGGAAAAAGAA	9012
TJU_CMC.ID09019.5p-miR	X	-	2658939	2658918	TCTCTGCTCTCAGGCAGGTGTC	9013
TJU_CMC.ID09020.3p-miR	X	+	2871696	2871675	TCTCAACCACCTGGGCTCAAAC	9014
TJU_CMC.ID09021.3p-miR	X	+	3879439	3879418	GAGAACACATGGTTGCATAGTG	9015
TJU_CMC.ID09022.5p-miR	X	+	3911247	3911267	TTCCAGTTTTCCCAGATTAGG	9016
TJU_CMC.ID09023.5p-miR	X	+	4051447	4051469	TTCATTTCCTCTTCTTATGAGGT	9017
TJU_CMC.ID09024.3p-miR	X	-	4174899	4174921	TAGCGGCCTCTCCAGATGGGCTG	9018
TJU_CMC.ID09025.5p-miR	X	+	4655240	4655262	TGTCAGTTTGTCAAATATTAATA	9019
TJU_CMC.ID09026.3p-miR	X	-	4763862	4763882	CTTCTATGGTAGCCACCTGGG	9020
TJU_CMC.ID09027.5p-miR	X	-	4884516	4884538	GTCCAGTTTCTTGGAAGGCTATT	9021
TJU_CMC.ID09028.5p-miR	X	+	4928832	4928851	GATCACAGGCTAGGTAGCTT	9022
TJU_CMC.ID09029.3p-miR	X	-	4946628	4946650	CCCAACAGGACTCAGCAAGTAAA	9023
TJU_CMC.ID09030.5p-miR	X	+	6015309	6015330	ATACATACTTTGAAATATTCAC	9024
TJU_CMC.ID09031.5p-miR	X	-	6360929	6360948	GACATCAGAGGCTACTGTTG	9025
TJU_CMC.ID09032.5p-miR	X	+	6363696	6363717	AGCAAACGGCTTGAGATAGTAG	9026
TJU_CMC.ID09033.3p-miR	X	-	6498779	6498800	TTCTGAAATAGACCCGCAGGGA	9027
TJU_CMC.ID09034.5p-miR	X	+	6995206	6995227	TTATTTGGTGGAACATGGTTGT	9028
TJU_CMC.ID09035.5p-miR	X	-	7304704	7304725	AGCTATGCCAGCTGCAGGTGCT	9029
TJU_CMC.ID09036.3p-miR	X	-	7421026	7421046	GATATTTGAGATGAAAGATAC	9030
TJU_CMC.ID09037.3p-miR	X	+	7790069	7790088	CAAAGCATAACAGCATAAGA	9031
TJU_CMC.ID09038.5p-miR	X	+	7898011	7898032	TAGCAAGTGTTACGTTGGTACA	9032

Table 1. Novel miRNA sequences

TJU_CMC.ID09039.5p-miR	X	-	8495269	8495290	TCAATGGCTGCTGCCGCCACCC	9033
TJU_CMC.ID09040.5p-miR	X	-	8589638	8589659	GAGCTTATCAAGCTGTACAAAA	9034
TJU_CMC.ID09041.3p-miR	X	+	9079042	9079061	GCATGTACACCGCATGCCTT	9035
TJU_CMC.ID09042.5p-miR	X	+	9348542	9348563	AGGTATGGCTTGCATGGAGACC	9036
TJU_CMC.ID09043.5p-miR	X	-	9758240	9758263	TACATCAGAGGCGCGGGGCCTCCA	9037
TJU_CMC.ID09044.5p-miR	X	+	9880483	9880504	ACAGCAGGCACAGACAGGCCAG	9038
TJU_CMC.ID09045.5p-miR	X	-	9983088	9983107	CCCCGGCCCCCGCGTCCTCCG	9039
TJU_CMC.ID09046.5p-miR	X	+	10128512	10128531	AAACCTGCCGGGGCTTCGTG	9040
TJU_CMC.ID09047.3p-miR	X	+	10132674	10132695	AGCAGCAATGTTGTCCTAGGTG	9041
TJU_CMC.ID09048.5p-miR	X	-	10224706	10224727	ATTGCATCAGGAGGGATTTCCA	9042
TJU_CMC.ID09049.5p-miR	X	-	10301251	10301272	TTCACTGCCGAGTCAGGCTGAT	9043
TJU_CMC.ID09050.3p-miR	X	+	11529326	11529347	ATCATATTGCCAGGGATTCTTG	9044
TJU_CMC.ID09051.3p-miR	X	+	11747878	11747899	AAATTATGTTTTATGGTGATGA	9045
TJU_CMC.ID09052.3p-miR	X	+	11776942	11776963	TCCCTGGGACCCTAGTCCAGTT	9046
TJU_CMC.ID09053.3p-miR	X	-	12190167	12190186	GCATTGGTGACCTGACATGG	9047
TJU_CMC.ID09054.5p-miR	X	-	13110343	13110362	GACCTGAGACAAGCTGAACA	9048
TJU_CMC.ID09055.5p-miR	X	-	13858569	13858590	CCAGTCAACAAGTGAGGGGATG	9049
TJU_CMC.ID09056.3p-miR	X	+	14628319	14628341	TGCTGGCTTGAGTTTATGTTTGG	9050
TJU_CMC.ID09057.5p-miR	X	+	15515922	15515942	AGATGTTGCTCAGAATATTGG	9051
TJU_CMC.ID09058.3p-miR	X	+	15535772	15535791	GAAGTCCATGGGCATAACAA	9052
TJU_CMC.ID09059.5p-miR	X	+	15596348	15596368	TGCAGCATATGCCATATCATA	9053
TJU_CMC.ID09060.3p-miR	X	+	15617724	15617746	ATGATGCGAGAGGATCATTTGAG	9054
TJU_CMC.ID09061.3p-miR	X	-	15681191	15681212	GCACTTACTGTGATGTCTGAAG	9055
TJU_CMC.ID09062.3p-miR	X	+	16321615	16321636	GTCTTGGCATCCAACATATCTG	9056
TJU_CMC.ID09063.3p-miR	X	+	16963749	16963768	ACTGTGCCATTGAACTACAG	9057
TJU_CMC.ID09064.3p-miR	X	-	17024867	17024887	AGGCTGAGCACTGGCAGGTAT	9058
TJU_CMC.ID09065.3p-miR	X	+	17125926	17125948	TGGCTCAGCTCAGAAGAGGTGAC	9059
TJU_CMC.ID09066.3p-miR	X	+	17183324	17183343	GGATCTATTGAATCAGTCAG	9060
TJU_CMC.ID09067.5p-miR	X	-	17187404	17187425	TAGCTCATCAGGATGATCCAGT	9061
TJU_CMC.ID09068.5p-miR	X	-	17948855	17948874	AATGGCAATGGCAATGGTAA	9062
TJU_CMC.ID09069.5p-miR	X	-	17956885	17956906	GAGTGGTGACAATTTTCCATGC	9063

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TJU_CMC.ID09070.5p-miR	X	-	18188736	18188759	AGAAGGTTAATTTGCTAAGTTTCT	9064
TJU_CMC.ID09071.5p-miR	X	-	18693008	18693027	AGCCGTAAGGCGGCTGTTTT	9065
TJU_CMC.ID09072.3p-miR	X	-	19140658	19140680	GGCCGGGAGCGGCGGGGGCGGCG	9066
TJU_CMC.ID09073.3p-miR	X	-	19454796	19454815	CTGAGGGGGACAAAAAAAAG	9067
TJU_CMC.ID09074.3p-miR	X	-	19701271	19701290	CGCGCTTGTGGCTGCCGATG	9068
TJU_CMC.ID09075.5p-miR	X	-	19742042	19742062	GGTGGGGTCGGCGGGGGACAT	9069
TJU_CMC.ID09076.3p-miR	X	-	19795893	19795914	CTGGTGATGCTGCTGGTGTGGA	9070
TJU_CMC.ID09077.5p-miR	X	+	19831681	19831700	CAGCAGGTCTCCAGAACTCG	9071
TJU_CMC.ID09078.3p-miR	X	+	20146964	20146983	GAAAATCTTGACCACGCCTA	9072
TJU_CMC.ID09079.3p-miR	X	-	20820287	20820306	CTGACAGCGTCTAATACAGC	9073
TJU_CMC.ID09080.5p-miR	X	-	21236638	21236659	ACTCAGTTTGTCTTTATCCCCA	9074
TJU_CMC.ID09081.3p-miR	X	-	21244900	21244919	GCAAGGTGCCGTCACTACCG	9075
TJU_CMC.ID09082.5p-miR	X	+	21497973	21497992	AGCATGCTGAGATAGCCTCA	9076
TJU_CMC.ID09083.3p-miR	X	-	21621380	21621402	TGACCTATGATAAAGTGACTGAG	9077
TJU_CMC.ID09084.5p-miR	X	+	22292462	22292482	CGGCTCAGTTCAGCAGAGCTG	9078
TJU_CMC.ID09085.5p-miR	X	+	23825633	23825652	GCTAGTTGTTGGACTGGAAG	9079
TJU_CMC.ID09086.3p-miR	X	+	24787740	24787759	GCATTGGTGGTTCATGGCAG	9080
TJU_CMC.ID09087.3p-miR	X	-	24850228	24850248	CGTGGTGGGCCCAGCTAGGAG	9081
TJU_CMC.ID09088.3p-miR	X	+	24892193	24892215	TGTGCAAAAAACGTACTTTCTTC	9082
TJU_CMC.ID09089.3p-miR	X	+	26391632	26391653	GAGAGGAGCTCACTCAGAAGGC	9083
TJU_CMC.ID09090.5p-miR	X	+	27033374	27033396	GTCTGACAAATTTGAAGGCTTTG	9084
TJU_CMC.ID09091.3p-miR	X	-	27105216	27105237	CAGACATCATGTTTGTACAGTT	9085
TJU_CMC.ID09092.5p-miR	X	+	27446660	27446679	TCAGTAGTCTGCACAGGGGA	9086
TJU_CMC.ID09093.5p-miR	X	+	27724802	27724823	TTGTGAAGTGGTACAGCTGCTT	9087
TJU_CMC.ID09094.3p-miR	X	+	28191107	28191127	ATCCAGTTTTCCCAGGAAAAT	9088
TJU_CMC.ID09095.5p-miR	X	+	29543928	29543950	CACTGGTGGTGATTTATTGGGTG	9089
TJU_CMC.ID09096.3p-miR	X	-	29658427	29658448	CCCCACTCTGGGATTGAACCTC	9090
TJU_CMC.ID09097.3p-miR	X	+	29665028	29665047	TCAAGGGAGTTCTTCACCAC	9091
TJU_CMC.ID09098.5p-miR	X	-	30250352	30250373	TCCCTGAGACCCGCCAGGCTGA	9092
TJU_CMC.ID09099.5p-miR	X	+	30368593	30368614	TACAGTATCAAAGCAGCCATAG	9093
TJU_CMC.ID09100.3p-miR	X	+	30549334	30549355	TGTCAGTTTTCTCCATACCTTT	9094

Table 1. Novel miRNA sequences

TJU_CMC.ID09101.3p-miR	X	-	31285002	31285021	TTCGGGGAGCCCGGCGGCTC	9095
TJU_CMC.ID09102.5p-miR	X	+	31868574	31868596	CCCATTGACTTTGGGCTTGACTG	9096
TJU_CMC.ID09103.3p-miR	X	-	31907324	31907345	ACTGAAAAGTCAATATGGTTTT	9097
TJU_CMC.ID09104.3p-miR	X	+	31925248	31925269	TAGCAAACCCAGAAATAAAAAT	9098
TJU_CMC.ID09105.5p-miR	X	+	32208837	32208856	TTAGAACATTCGAAATCTTC	9099
TJU_CMC.ID09106.3p-miR	X	-	32641366	32641386	TACTCACTTCCTTGCTAATCA	9100
TJU_CMC.ID09107.3p-miR	X	-	32688677	32688696	TTACAATATGGCAGGAGCAT	9101
TJU_CMC.ID09108.3p-miR	X	-	32892976	32892997	GGCTCAGTTCAGCAGGGACTGT	9102
TJU_CMC.ID09109.3p-miR	X	-	33928992	33929011	GACTATTTGTAGGAATAGAT	9103
TJU_CMC.ID09110.3p-miR	X	-	35105165	35105184	CACAATAAATGAGCTACGTA	9104
TJU_CMC.ID09111.3p-miR	X	+	35263431	35263451	CAATCTATTGAACTGACTGAA	9105
TJU_CMC.ID09112.5p-miR	X	+	35399099	35399119	TTGACCTACAGGCCAGTAGGT	9106
TJU_CMC.ID09113.3p-miR	X	+	35454694	35454714	ATCCATCTCGAAATTCCACTG	9107
TJU_CMC.ID09114.5p-miR	X	-	35509287	35509306	TGCGTAGATATAGGAAGTGG	9108
TJU_CMC.ID09115.5p-miR	X	-	37200697	37200718	TATGGCTTTTCATTTCTAATGT	9109
TJU_CMC.ID09116.3p-miR	X	+	37572198	37572219	ACTAGCACACAACAGTGTCGAGGA	9110
TJU_CMC.ID09117.3p-miR	X	+	37732989	37733010	CATTGCTGAGTACATAACCTTA	9111
TJU_CMC.ID09118.5p-miR	X	-	37749479	37749500	TCTCCTGGTAGGTCATGGAGGT	9112
TJU_CMC.ID09119.3p-miR	X	-	37912852	37912873	ATTTCAGATGAGATCAGGTGCT	9113
TJU_CMC.ID09120.3p-miR	X	+	38040451	38040471	CAGAGCAGGATGTCAGAGCCC	9114
TJU_CMC.ID09121.3p-miR	X	+	38040726	38040747	ACAGCAGATGTGAGTGTTGTCA	9115
TJU_CMC.ID09122.5p-miR	X	-	38067583	38067605	ATAGCAGTTGTCTTTATGGGGTA	9116
TJU_CMC.ID09123.5p-miR	X	-	38320101	38320121	TAGCACCAGCCAGGCAGCACC	9117
TJU_CMC.ID09124.3p-miR	X	+	38496902	38496924	AGCAGTTTGCCAACGTGGATGGC	9118
TJU_CMC.ID09125.3p-miR	X	+	38524154	38524174	CTGATAATGGAGCTTGATGGT	9119
TJU_CMC.ID09126.5p-miR	X	-	38584567	38584588	AGAGGTTCAGGGTTGCATAGTG	9120
TJU_CMC.ID09127.5p-miR	X	+	38741737	38741757	GCAGGAGGATATGCGTAGGTT	9121
TJU_CMC.ID09128.5p-miR	X	-	38745525	38745544	ATATCACCTGAGCTGAGTAA	9122
TJU_CMC.ID09129.3p-miR	X	+	38757037	38757056	GTGACCTATGAATGTCCTGG	9123
TJU_CMC.ID09130.5p-miR	X	+	38835519	38835540	CATCCATCATCATTGTATAGGG	9124
TJU_CMC.ID09131.3p-miR	X	-	38852647	38852668	ATCACATTTAAGACTCGGGAAT	9125

Table 1. Novel miRNA sequences

TJU_CMC.ID09132.3p-miR	X	+	38868302	38868321	CCTTCCACTACTGGTCAGGA	9126
TJU_CMC.ID09133.5p-miR	X	-	38983131	38983152	ATTGGACTAGGATAAATTCTGG	9127
TJU_CMC.ID09134.5p-miR	X	+	39257107	39257128	TCCCTGCTCATTCGCAGGTGGA	9128
TJU_CMC.ID09135.3p-miR	X	+	39321403	39321424	AAGGAGCTTACAATCTAGTCAG	9129
TJU_CMC.ID09136.5p-miR	X	-	39368585	39368606	ACCCCACTCCTGGTACCAAAAA	9130
TJU_CMC.ID09137.3p-miR	X	+	39682975	39682995	CCTGCTGAGTACAGCCAAGTA	9131
TJU_CMC.ID09138.3p-miR	X	-	39787359	39787378	ATGCCTAGGTCCTCTCGGCA	9132
TJU_CMC.ID09139.5p-miR	X	+	39965730	39965749	GAGCCCAGCGCCGACGACTC	9133
TJU_CMC.ID09140.5p-miR	X	-	40271618	40271639	AGGGACTCTGTTGGGTCCAGTC	9134
TJU_CMC.ID09141.3p-miR	X	+	40439552	40439572	CGAATCAAAATATAGGATACC	9135
TJU_CMC.ID09142.5p-miR	X	-	40554605	40554626	GTCTTGCTGCAGTTGATATCCC	9136
TJU_CMC.ID09143.5p-miR	X	+	40955659	40955680	ACTGGACTTGGAGTCACAAGAT	9137
TJU_CMC.ID09144.5p-miR	X	+	41112719	41112738	CAGCGCCGTGGTCATATTAC	9138
TJU_CMC.ID09145.5p-miR	X	+	41182848	41182870	TAGAGGAGCTCACAGTCTAGATG	9139
TJU_CMC.ID09146.3p-miR	X	-	41191397	41191416	AGCAGCATTGCTACTAGGAA	9140
TJU_CMC.ID09147.3p-miR	X	+	41766933	41766954	GTGACTACAGCACTCCAGGACA	9141
TJU_CMC.ID09148.3p-miR	X	+	42495053	42495075	AAGCAGCTTACTGTTATGGGCAA	9142
TJU_CMC.ID09149.3p-miR	X	-	42554709	42554728	GTCCAGTTTTCCTAGGGCCT	9143
TJU_CMC.ID09150.5p-miR	X	+	43594932	43594953	AACCGCATCTAGGTCAGAACAA	9144
TJU_CMC.ID09151.3p-miR	X	-	43917057	43917076	AGTCCTCGTGTTGATTGCCA	9145
TJU_CMC.ID09152.3p-miR	X	-	44143975	44143995	ATCCAGAAAATTTGAAGGCTG	9146
TJU_CMC.ID09153.3p-miR	X	+	45092495	45092515	AACATAGATATGTACGTTAGG	9147
TJU_CMC.ID09154.3p-miR	X	+	45840512	45840533	AGCTCCTCTCTGTCTCTCTCTC	9148
TJU_CMC.ID09155.3p-miR	X	+	46249733	46249755	GGCCAGTTTAGCCAGAAATCCCC	9149
TJU_CMC.ID09156.3p-miR	X	+	46254617	46254640	CGGACCGGGTGGTGGCCGGGCAGA	9150
TJU_CMC.ID09157.5p-miR	X	+	46586051	46586073	AGTGGCACAGCTATGGTGATGAG	9151
TJU_CMC.ID09158.3p-miR	X	+	47414104	47414126	TATGATGGGTGGTGAAATCTACT	9152
TJU_CMC.ID09159.5p-miR	X	-	48055485	48055506	CAAGCGATCTGCACGCCTTGGC	9153
TJU_CMC.ID09160.5p-miR	X	+	48343713	48343734	TAGCAGCACTATCTATAGTATA	9154
TJU_CMC.ID09161.5p-miR	X	-	48478770	48478791	TAGCCAAGCTCAGGGCTACACT	9155
TJU_CMC.ID09162.5p-miR	X	+	48887366	48887387	TGAGTCCCACAGGGGCAGGGGT	9156

Table 1. Novel miRNA sequences

TJU_CMC.ID09163.3p-miR	X	-	50444337	50444356	ATAGAGACAGCAGGACGATC	9157
TJU_CMC.ID09164.3p-miR	X	+	50606650	50606672	CTATCTGTGGACTACTTGGTGAC	9158
TJU_CMC.ID09165.3p-miR	X	+	51204676	51204697	GCAGGACATCTTGGCGGCCCAC	9159
TJU_CMC.ID09166.5p-miR	X	-	51351337	51351359	CTATTTCACTTTATGGTGAGTCT	9160
TJU_CMC.ID09167.3p-miR	X	+	51781453	51781475	AGCAGCATTGTGTGAAGAGCGTT	9161
TJU_CMC.ID09168.5p-miR	X	+	51942598	51942619	GTTTCTTTGTCTTTATGGGGTA	9162
TJU_CMC.ID09169.5p-miR	X	-	52021889	52021909	CCCAGTGTAGTCTGATGTACT	9163
TJU_CMC.ID09170.3p-miR	X	+	52586147	52586166	CAGAGCAGGATGTCACCCTG	9164
TJU_CMC.ID09171.3p-miR	X	+	53216317	53216336	CCACAATATGGACTTCCACC	9165
TJU_CMC.ID09172.5p-miR	X	+	53382702	53382723	TTCAAGTAATCCACTCGCCTAG	9166
TJU_CMC.ID09173.3p-miR	X	+	53388616	53388637	TCCAGACGGCTTGACTATATTC	9167
TJU_CMC.ID09174.5p-miR	X	-	53408602	53408624	TCGAGGAGCTCACAGTCTAGTAG	9168
TJU_CMC.ID09175.3p-miR	X	+	53694973	53694994	TAGACTACTGTCAAATACAATA	9169
TJU_CMC.ID09176.3p-miR	X	-	53739852	53739873	TGGCTCAGTTCACACTTCAATA	9170
TJU_CMC.ID09177.3p-miR	X	-	53785598	53785619	TGAGGTAGTAGACTGTGTGGCT	9171
TJU_CMC.ID09178.5p-miR	X	-	53931347	53931368	GGCTAATTATTTGTATTTTTGT	9172
TJU_CMC.ID09179.3p-miR	X	-	54327985	54328005	TGACGTTTGGGTTGCGTTTGT	9173
TJU_CMC.ID09180.3p-miR	X	+	54364046	54364067	AGGTGCAATGGATTACGCCTGC	9174
TJU_CMC.ID09181.5p-miR	X	-	55339322	55339344	ATACTGCCAGGCTGGATTCTTGG	9175
TJU_CMC.ID09182.5p-miR	X	-	55886230	55886250	GCTAGTAATAGTTTATGGTTG	9176
TJU_CMC.ID09183.3p-miR	X	-	56338910	56338929	ATGTGTTGTTGCCTTGATCT	9177
TJU_CMC.ID09184.5p-miR	X	+	57242329	57242349	CCATGGCACTCATATATATAT	9178
TJU_CMC.ID09185.5p-miR	X	-	57314441	57314462	ATCCCATTGCCTCCCTAACTGG	9179
TJU_CMC.ID09186.5p-miR	X	+	57484963	57484983	GATGGATGTCGAGATGGCTGA	9180
TJU_CMC.ID09187.3p-miR	X	+	57851462	57851481	TATGTCGTGCATGGTATTGC	9181
TJU_CMC.ID09188.5p-miR	X	-	58004315	58004336	GCTGTCGTGCCAGGAGCCCTTG	9182
TJU_CMC.ID09189.5p-miR	X	+	58283400	58283421	TCTCAACCACAGGGGCCACCCA	9183
TJU_CMC.ID09190.5p-miR	X	+	62095041	62095062	TGTGCCTGTTTCTGTACCAGTG	9184
TJU_CMC.ID09191.5p-miR	X	-	62336434	62336455	GTCTGTGGGTGTTTATACCCCA	9185
TJU_CMC.ID09192.5p-miR	X	-	62787088	62787109	AAATGCAATGGTAATGAACTAG	9186
TJU_CMC.ID09193.5p-miR	X	+	63778973	63778994	TCTCCTGAACTCAAGCGTTTTG	9187

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TJU_CMC.ID09194.3p-miR	X	+	63942756	63942779	TATGTGAAACTAATAATAGTACAT	9188
TJU_CMC.ID09195.3p-miR	X	-	64709135	64709156	TGATCTGCCCTTCTGAATCACC	9189
TJU_CMC.ID09196.5p-miR	X	-	64742053	64742073	CCAGTCTCAGGATGAGGTGGC	9190
TJU_CMC.ID09197.5p-miR	X	+	65629030	65629049	GACCTAGCCTTTCTGCTTCT	9191
TJU_CMC.ID09198.3p-miR	X	+	65730854	65730875	TGTCAGTTTGTCAAATAGGAAT	9192
TJU_CMC.ID09199.3p-miR	X	-	65830490	65830510	TTAGTCACAATATTCAGAATA	9193
TJU_CMC.ID09200.5p-miR	X	-	65855511	65855532	TATGGCTTTTCATTTTCCACAG	9194
TJU_CMC.ID09201.5p-miR	X	-	67027291	67027310	ACCAAGTTACCATATCTGAG	9195
TJU_CMC.ID09202.5p-miR	X	-	67359850	67359872	GTTGCCTTAGGGTTTAGTTTCCC	9196
TJU_CMC.ID09203.3p-miR	X	+	67474469	67474490	ACTCCGCTATTGCCAATGAGTT	9197
TJU_CMC.ID09204.3p-miR	X	-	67606008	67606029	GTTCACAACAGTTTATGGTTAA	9198
TJU_CMC.ID09205.5p-miR	X	-	67919207	67919228	ATCACATTCCCAGGTATTGAAC	9199
TJU_CMC.ID09206.5p-miR	X	+	68159476	68159498	GAGGGAGGGGAGGCTTAATCCCT	9200
TJU_CMC.ID09207.5p-miR	X	-	68204466	68204488	GTGCTCTGCCTGATGACTGTGAA	9201
TJU_CMC.ID09208.3p-miR	X	+	68220591	68220612	AAGTGATAATCTACATACTAGA	9202
TJU_CMC.ID09209.3p-miR	X	+	68612918	68612940	AGCAGTTTTCAGTGATGGACAAA	9203
TJU_CMC.ID09210.3p-miR	X	-	68697704	68697725	GGTCAATTTCTGGGACTTTCTA	9204
TJU_CMC.ID09211.5p-miR	X	-	69101797	69101816	TCGGGTCATGGAGGTGGATC	9205
TJU_CMC.ID09212.3p-miR	X	-	69628045	69628066	ACTGGACTTGGAGTCAGAATAT	9206
TJU_CMC.ID09213.3p-miR	X	-	69655448	69655468	AGTCTCCTCGTGGGGTTTCCC	9207
TJU_CMC.ID09214.5p-miR	X	+	69656256	69656277	CAGCTTATCAGACAGACACAGCAG	9208
TJU_CMC.ID09215.5p-miR	X	-	70296529	70296549	TCAGTGATGTGGCCAGTGATT	9209
TJU_CMC.ID09216.5p-miR	X	+	70356123	70356144	TGGAGCAGGGTCTACAGGTTTC	9210
TJU_CMC.ID09217.5p-miR	X	-	70478135	70478156	TCAGTAGAACAGTTTAGAAAAT	9211
TJU_CMC.ID09218.5p-miR	X	-	71271397	71271419	GCTGGATAGGAGATGATCACCTG	9212
TJU_CMC.ID09219.5p-miR	X	-	71301284	71301304	AGAAAGCTCGCTCCTCACATGC	9213
TJU_CMC.ID09220.5p-miR	X	+	71350996	71351017	GGCAGCGCCGGCGGGGGCGGGA	9214
TJU_CMC.ID09221.5p-miR	X	+	72420635	72420656	GCGGTACAGGTGAAAGAAAGTG	9215
TJU_CMC.ID09222.3p-miR	X	+	72533907	72533926	TGGGAATGCTGTATCAAATG	9216
TJU_CMC.ID09223.5p-miR	X	-	74476917	74476938	CTATGTACATCAGGGATACTGT	9217
TJU_CMC.ID09224.3p-miR	X	-	75876716	75876739	TGTCATCTGACGTGTAACAGGCAT	9218

Table 1. Novel miRNA sequences

TJU_CMC.ID09225.3p-miR	X	-	76189149	76189168	ATCACATTATTGAAACAGAA	9219
TJU_CMC.ID09226.5p-miR	X	+	77265694	77265713	CAGCAATGTGGTCATATTCA	9220
TJU_CMC.ID09227.5p-miR	X	-	78412553	78412572	AAAACCAGGCTATTGCTTGG	9221
TJU_CMC.ID09228.3p-miR	X	-	78596636	78596656	ACAAAGCAGATGCTTATAAAT	9222
TJU_CMC.ID09229.3p-miR	X	+	78845367	78845388	GCCCCCATGTAGCCATTTGCAG	9223
TJU_CMC.ID09230.3p-miR	X	-	79198586	79198605	ACTTCATCATCCAATATATC	9224
TJU_CMC.ID09231.3p-miR	X	-	79384667	79384688	AAGTGACTTAGCTCCTATCTAG	9225
TJU_CMC.ID09232.5p-miR	X	+	79520228	79520249	GAAATGATAGCTCAGTCAATAG	9226
TJU_CMC.ID09233.5p-miR	X	-	79615655	79615675	CATTATTACTTTTGTATTATA	9227
TJU_CMC.ID09234.3p-miR	X	+	80514290	80514309	ATAGATCAGAGGCTATTCTC	9228
TJU_CMC.ID09235.5p-miR	X	-	80572076	80572098	TGCCTCAGAAGGGTCCTTAGGGA	9229
TJU_CMC.ID09236.3p-miR	X	-	81011321	81011341	ATCTACCTTTTATCTTTGTGG	9230
TJU_CMC.ID09237.3p-miR	X	+	81285519	81285539	TCTGTCACTTGGCCAGAGTTT	9231
TJU_CMC.ID09238.5p-miR	X	-	81336239	81336260	TGGAGGGAAAGATGACCTGACT	9232
TJU_CMC.ID09239.3p-miR	X	+	81920586	81920607	CATAATTTACTAGGAATTTTTT	9233
TJU_CMC.ID09240.3p-miR	X	+	82115795	82115816	CAAGCCTTAGGGTTTAGTGTTG	9234
TJU_CMC.ID09241.3p-miR	X	+	83249368	83249388	CGCGACCTCAGATCACCGCAA	9235
TJU_CMC.ID09242.3p-miR	X	-	84092577	84092597	GCTTCCATGATCCACTACTTT	9236
TJU_CMC.ID09243.5p-miR	X	-	85104677	85104698	ACGAAGAAAAAAGCAAAATTGGT	9237
TJU_CMC.ID09244.3p-miR	X	-	85358743	85358762	CTTCGGCACAGCTATTTTGA	9238
TJU_CMC.ID09245.5p-miR	X	-	85641716	85641737	AAAAAATCCACAATGTTGGGGG	9239
TJU_CMC.ID09246.5p-miR	X	-	86623087	86623106	GCATCATTGCCATACTTGTG	9240
TJU_CMC.ID09247.3p-miR	X	+	86731149	86731170	TCAAGTCCTGGAATCAGGTACT	9241
TJU_CMC.ID09248.3p-miR	X	+	86928845	86928865	GCAATCGTGGCATCATGGCTC	9242
TJU_CMC.ID09249.5p-miR	X	+	87975505	87975525	TTCACAGTGGCTAAGCTAATT	9243
TJU_CMC.ID09250.3p-miR	X	-	88203259	88203280	ATGGTGCCATTGAAAGCCATTG	9244
TJU_CMC.ID09251.3p-miR	X	-	88888832	88888853	AGCGATGTGGTGACTGATTGCT	9245
TJU_CMC.ID09252.5p-miR	X	-	88925377	88925398	AAACATGGCAACTTATCAGAAA	9246
TJU_CMC.ID09253.3p-miR	X	+	89311252	89311273	AAATTTAAACAAGATTTTTATG	9247
TJU_CMC.ID09254.5p-miR	X	+	91720046	91720067	TGAGATGGGGATGACTGCTAGAG	9248
TJU_CMC.ID09255.3p-miR	X	+	92663426	92663447	TAAGGATGTATCATGGTGATGT	9249

Table 1. Novel miRNA sequences

TJU_CMC.ID09256.5p-miR	X	-	92673973	92673994	TGTCTGTGGGAAGCAGTTATGG	9250
TJU_CMC.ID09257.3p-miR	X	-	92913905	92913926	ATCACATCATCAGGGCTTGAAC	9251
TJU_CMC.ID09258.5p-miR	X	+	93365180	93365202	TAGCAATTCAGAGCAGCACACTT	9252
TJU_CMC.ID09259.5p-miR	X	-	95094710	95094731	TTTGACTGTGCTGCAACCTACA	9253
TJU_CMC.ID09260.5p-miR	X	+	95140186	95140205	GCTACACTGACAGAGCCAAG	9254
TJU_CMC.ID09261.5p-miR	X	-	95166866	95166888	GATCTACCACATTGGCGTCCCAA	9255
TJU_CMC.ID09262.3p-miR	X	-	95411680	95411703	TGTCACAGGGCATTTTAAGTGGAT	9256
TJU_CMC.ID09263.5p-miR	X	-	95501381	95501400	GACTGGATACTTAGCTGTGC	9257
TJU_CMC.ID09264.5p-miR	X	+	95700989	95701009	CTAGATATGAGCGTATTAGTA	9258
TJU_CMC.ID09265.5p-miR	X	+	96214114	96214135	TCAGATTACAGCATTATTGTAT	9259
TJU_CMC.ID09266.3p-miR	X	+	96364019	96364040	ATCACATTTAAGTTCTAATGCA	9260
TJU_CMC.ID09267.3p-miR	X	+	96988856	96988877	TGATCCGCTGGACACTAAAACT	9261
TJU_CMC.ID09268.3p-miR	X	+	97335316	97335338	TATAAAATGTTCATGGCAGCAGG	9262
TJU_CMC.ID09269.3p-miR	X	+	98175304	98175326	GGCTCTACTAGTTCTGAGCTGAG	9263
TJU_CMC.ID09270.3p-miR	X	-	99038439	99038460	TAGCTTATCAAGCTGATTAGTA	9264
TJU_CMC.ID09271.3p-miR	X	-	99603722	99603745	ACAGCAGCGTTGAGACTTACTGGG	9265
TJU_CMC.ID09272.5p-miR	X	-	100139696	100139718	TCAGTAGGTCAGGGGAGGGCATT	9266
TJU_CMC.ID09273.3p-miR	X	+	100613586	100613608	TTGGAATAGTAGCACTCACCCTG	9267
TJU_CMC.ID09274.3p-miR	X	-	100615747	100615768	CCTACCTTTTCTCCTAACTACA	9268
TJU_CMC.ID09275.5p-miR	X	-	100930526	100930547	CACTAGTTTGGCAAATACCCTC	9269
TJU_CMC.ID09276.5p-miR	X	-	101957429	101957450	GTCCAGTTTATTGAGGAATCCA	9270
TJU_CMC.ID09277.5p-miR	X	-	102313730	102313752	ATCCAGTTTGATTGAAGAAGGGGA	9271
TJU_CMC.ID09278.5p-miR	X	+	102433851	102433872	TCTATGCATCTCTGATCTGTAT	9272
TJU_CMC.ID09279.3p-miR	X	+	102452167	102452188	CACTGACTTAGAAATATGTTCA	9273
TJU_CMC.ID09280.5p-miR	X	+	102559493	102559514	TTTCTTTGTAATATAATTATCT	9274
TJU_CMC.ID09281.3p-miR	X	+	102771726	102771745	ATTATATGTACAGTATAGCA	9275
TJU_CMC.ID09282.5p-miR	X	+	102996208	102996229	AAACCGTTTGGAAATGACCTGG	9276
TJU_CMC.ID09283.5p-miR	X	-	103010621	103010640	AAGAGCATAAGAATAACAGC	9277
TJU_CMC.ID09284.3p-miR	X	+	103114990	103115011	TAGGAATTAATGCACTATATTC	9278
TJU_CMC.ID09285.3p-miR	X	-	103517201	103517223	ATCGTCATTTCCCAGGTTAGGGA	9279
TJU_CMC.ID09286.5p-miR	X	+	103706193	103706214	CATCATTCTGTCTCTATGAGTT	9280

Table 1. Novel miRNA sequences

TJU_CMC.ID09287.5p-miR	X	+	103788920	103788943	CATTCAGAGTAAGGGCCAAGTACT	9281
TJU_CMC.ID09288.3p-miR	X	-	104521213	104521233	GCTAGGGTTGAGTCAGTACAG	9282
TJU_CMC.ID09289.5p-miR	X	-	104743546	104743566	TAGTCAATCAGTTTATTTTTG	9283
TJU_CMC.ID09290.3p-miR	X	-	104864623	104864642	GCTAAGGCCAGAGGAGATGA	9284
TJU_CMC.ID09291.3p-miR	X	+	104901559	104901579	AGTTCAGCATGTAGTGGTGTA	9285
TJU_CMC.ID09292.5p-miR	X	-	105355463	105355485	TGTCAGTAGTGTGGGCCAAAACA	9286
TJU_CMC.ID09293.5p-miR	X	+	105451727	105451747	CAGCAGTTCTACTTTCCCGTA	9287
TJU_CMC.ID09294.3p-miR	X	+	105606244	105606263	TAATAGTGTGGTCATAGCTG	9288
TJU_CMC.ID09295.5p-miR	X	+	105704468	105704488	GAGTGTCCTATAAAAGGGCTG	9289
TJU_CMC.ID09296.5p-miR	X	+	106331434	106331453	TTAAAACGCTAAGGATAGTT	9290
TJU_CMC.ID09297.3p-miR	X	-	106374839	106374860	CGCGGCGCCTCGCCTACTAGTC	9291
TJU_CMC.ID09298.3p-miR	X	-	106753774	106753793	GAGGGCATGAGTTAGCACCA	9292
TJU_CMC.ID09299.5p-miR	X	+	107275099	107275118	AACTGGATACTTATAACAGC	9293
TJU_CMC.ID09300.5p-miR	X	+	108638669	108638688	AACTACTGGTCTGTACACAG	9294
TJU_CMC.ID09301.3p-miR	X	-	109413168	109413189	GTCATGAACTCAAATGCCCCAA	9295
TJU_CMC.ID09302.5p-miR	X	-	109511308	109511327	AGTTATCAAGACTATCAGAC	9296
TJU_CMC.ID09303.3p-miR	X	+	109964393	109964413	GCTTTAAGACTGGGATATGAT	9297
TJU_CMC.ID09304.5p-miR	X	-	110255083	110255105	GCTAGGAGGTCTGTGATGCACTG	9298
TJU_CMC.ID09305.5p-miR	X	+	110366362	110366381	CCCCCGGCTCCTCCACTGAG	9299
TJU_CMC.ID09306.3p-miR	X	+	110576077	110576098	TGGGACTCTGGGATATCCAGTC	9300
TJU_CMC.ID09307.3p-miR	X	-	110659931	110659952	AAGCTTATCATCATGGCAAAAG	9301
TJU_CMC.ID09308.3p-miR	X	+	111096258	111096278	AAAGCTGTGGCTGTGGTCTAG	9302
TJU_CMC.ID09309.3p-miR	X	+	111557282	111557303	TGCTCATCATCATTGTATAGTT	9303
TJU_CMC.ID09310.3p-miR	X	+	111697070	111697091	ATCACATTCTGAGGAGCCAGGT	9304
TJU_CMC.ID09311.5p-miR	X	-	113295168	113295190	GAGCTCGGAGAGTCAGCAAACTG	9305
TJU_CMC.ID09312.5p-miR	X	-	114257507	114257528	TAATAATAGTAGTCAGCAAAGT	9306
TJU_CMC.ID09313.3p-miR	X	-	114873849	114873871	GTTACTGGGCTTTGAAGGTCCAG	9307
TJU_CMC.ID09314.5p-miR	X	+	116055953	116055972	CAAATTGCTCCTAGGTAGCC	9308
TJU_CMC.ID09315.5p-miR	X	+	116592491	116592512	TCTAGGCCTGCTACAGCACCAG	9309
TJU_CMC.ID09316.5p-miR	X	+	116661672	116661691	CCTTGGTGGTATAAATTTGA	9310
TJU_CMC.ID09317.3p-miR	X	-	117571441	117571460	AGAGCTAGTGCAGTCAGCAC	9311

Table 1. Novel miRNA sequences

TJU_CMC.ID09318.3p-miR	X	-	118921316	118921338	ATGACAGATTGACATGGACAATT	9312
TJU_CMC.ID09319.3p-miR	X	-	119254444	119254465	ATCTGCGGTAATCCCCGGTCCG	9313
TJU_CMC.ID09320.5p-miR	X	-	119671667	119671688	TCGTTTGGTAATTTGCATGTTC	9314
TJU_CMC.ID09321.5p-miR	X	-	119691475	119691496	AGCATGAATCCCAAAGATGATT	9315
TJU_CMC.ID09322.5p-miR	X	+	119912960	119912979	CCCATAAAGTAGGGGATAAT	9316
TJU_CMC.ID09323.5p-miR	X	-	120441553	120441575	GCTACTTGGCCAGAGCTGCTGTC	9317
TJU_CMC.ID09324.5p-miR	X	-	120563386	120563405	CCTGAGAATCTAACAAGATA	9318
TJU_CMC.ID09325.3p-miR	X	+	120979640	120979661	ATATCGCACATCATGGATCCAC	9319
TJU_CMC.ID09326.3p-miR	X	-	122246619	122246639	AGCATGCTGACTTAGAGATGT	9320
TJU_CMC.ID09327.3p-miR	X	-	122503199	122503222	CCCACTGCTGCACTTGACTAGCCT	9321
TJU_CMC.ID09328.5p-miR	X	+	122526078	122526101	AGCAGCACTGCTACTAGGAGTGAC	9322
TJU_CMC.ID09329.5p-miR	X	+	122571612	122571633	TTTCAGTAATCACTTATGAAAT	9323
TJU_CMC.ID09330.5p-miR	X	+	122648473	122648495	ATTAGACGTTCAGAAGTCCACTG	9324
TJU_CMC.ID09331.3p-miR	X	+	122828790	122828811	CATAGCGAGACCCCGTCTCTTA	9325
TJU_CMC.ID09332.3p-miR	X	+	124170236	124170256	ACACTTACGTTTGAAATGCTT	9326
TJU_CMC.ID09333.5p-miR	X	-	124262391	124262412	AGCAGTGCCACGTGACCGTTTT	9327
TJU_CMC.ID09334.5p-miR	X	-	124328284	124328303	AAGTAGATTAGGAGTATAGT	9328
TJU_CMC.ID09335.3p-miR	X	-	124700407	124700427	ATATGTGTTGTGTATGATATC	9329
TJU_CMC.ID09336.5p-miR	X	-	125293085	125293107	GCTCTGTAGATATCATACTGTAG	9330
TJU_CMC.ID09337.5p-miR	X	+	125301924	125301946	GCTATTATCAGACTAGTTGGTCA	9331
TJU_CMC.ID09338.5p-miR	X	-	125770996	125771018	CATGATGGGAGACAATATTTTGG	9332
TJU_CMC.ID09339.3p-miR	X	+	126207590	126207610	GAGAAACCACCTTGATGGTCT	9333
TJU_CMC.ID09340.3p-miR	X	+	126210004	126210025	TTATATAGTGGTGAGTATTTTT	9334
TJU_CMC.ID09341.5p-miR	X	-	126523527	126523548	CTCCGTCTCAAAGCTCTTGTGA	9335
TJU_CMC.ID09342.3p-miR	X	+	126823261	126823282	TCAAGTCCTGGAATTGAACACT	9336
TJU_CMC.ID09343.5p-miR	X	+	126901292	126901311	TTTTAAAAGATTTAATATTG	9337
TJU_CMC.ID09344.3p-miR	X	-	127085752	127085773	TACTGGTTTGTCAAAGCAAAAT	9338
TJU_CMC.ID09345.3p-miR	X	+	127466123	127466143	ACCTCTCTTCCTCTCACTTTT	9339
TJU_CMC.ID09346.3p-miR	X	+	127747027	127747047	TGATGTTGCTCAGGCGATTGT	9340
TJU_CMC.ID09347.3p-miR	X	-	127753648	127753667	GGAAAGTGGTGGTGGGAGAT	9341
TJU_CMC.ID09348.3p-miR	X	+	129084202	129084222	GGGTGCCCTTAGATCTACAGC	9342

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TJU_CMC.ID09349.3p-miR	X	-	129324830	129324851	TGTCAACCCACTGGGCTTCCTG	9343
TJU_CMC.ID09350.5p-miR	X	-	129997214	129997235	TAGCTTATGTCTGAGGTCCCAC	9344
TJU_CMC.ID09351.5p-miR	X	-	130027860	130027882	TTGCTTGCTGAGTCAGCAGGGCT	9345
TJU_CMC.ID09352.5p-miR	X	-	130371281	130371302	CAGTGCAAATGGAAGGAGATGG	9346
TJU_CMC.ID09353.3p-miR	X	+	130677772	130677793	AGGAGGGCTGGAGAAATTTTCA	9347
TJU_CMC.ID09354.3p-miR	X	-	131023204	131023223	CCTGTTCTATTTTGTTGATC	9348
TJU_CMC.ID09355.5p-miR	X	-	131297387	131297408	TTGCACCATCTGAAGCCAGGGC	9349
TJU_CMC.ID09356.5p-miR	X	-	131603287	131603307	AAGGAGCTCACAGTCAGCCAG	9350
TJU_CMC.ID09357.5p-miR	X	-	131854495	131854515	CAGCAGCAATTCATGTGAGTT	9351
TJU_CMC.ID09358.5p-miR	X	-	132087544	132087563	ATCAGAGGCTATTGTGGCTG	9352
TJU_CMC.ID09359.3p-miR	X	+	132654710	132654731	TGCTGACCACAGTGTATGTGTG	9353
TJU_CMC.ID09360.5p-miR	X	-	132790986	132791006	CCTTCCAGCCGTGTGATTCCA	9354
TJU_CMC.ID09361.3p-miR	X	+	132805004	132805024	CGACACGGTAACTATCCAAAC	9355
TJU_CMC.ID09362.5p-miR	X	-	133083177	133083199	ACTGGACTTGGAGTCAGAAAATC	9356
TJU_CMC.ID09363.5p-miR	X	-	133212252	133212273	TCTCCCTTGGAGGTATGACTGT	9357
TJU_CMC.ID09364.5p-miR	X	+	133980732	133980752	GAGTAGGTCATCTCTGGAGCC	9358
TJU_CMC.ID09365.3p-miR	X	-	134018316	134018335	ATGCACCCACCAGTATAGCA	9359
TJU_CMC.ID09366.5p-miR	X	+	134090099	134090120	TGAGATGAAGCCAGTGCTTTGA	9360
TJU_CMC.ID09367.5p-miR	X	+	134474927	134474947	TAAGAATAGTCTGACTCACAG	9361
TJU_CMC.ID09368.5p-miR	X	+	134760473	134760495	ACCACGCCTGGTCCCTGGCTTAG	9362
TJU_CMC.ID09369.5p-miR	X	-	134768025	134768045	ACACAACCTGATGATTCTCAA	9363
TJU_CMC.ID09370.5p-miR	X	-	134975830	134975850	GAGCACCAGAGTCAGCTAAGG	9364
TJU_CMC.ID09371.5p-miR	X	+	135590893	135590914	GCTCTTATCAGTGTGATGTTGA	9365
TJU_CMC.ID09372.3p-miR	X	+	135633087	135633108	GAGTCTCCAGTAATGGACGGGA	9366
TJU_CMC.ID09373.3p-miR	X	+	135923537	135923556	ATAAGCCATTGCGTCCAGTC	9367
TJU_CMC.ID09374.3p-miR	X	+	135992103	135992123	CTTCGCGGATCTTTCCCGCCC	9368
TJU_CMC.ID09375.3p-miR	X	+	136708458	136708477	ATCTATACATGTGGCTTAAG	9369
TJU_CMC.ID09376.3p-miR	X	+	136846025	136846046	TAGGAATACAGACACAGGTTAG	9370
TJU_CMC.ID09377.3p-miR	X	-	136922130	136922149	GCCAATAAGGATTGGCTCTA	9371

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Table 1. Novel miRNA sequences

TJU_CMC.ID09378.3p-miR	X	+	136933236	136933255	GGCCACCAGACAAGATTGGT	9372
TJU_CMC.ID09379.3p-miR	X	+	137006576	137006597	AACAATAACTATGGGCGCACCC	9373
TJU_CMC.ID09380.3p-miR	X	+	137373350	137373370	AGCAGTCTTCTCCTGGGCACT	9374
TJU_CMC.ID09381.3p-miR	X	-	137730146	137730167	GTAGAATTATTTGTTATTTTGT	9375
TJU_CMC.ID09382.3p-miR	X	-	137946529	137946551	TAGCAGTGGTGCTTTATGTTTTG	9376
TJU_CMC.ID09383.5p-miR	X	-	138004417	138004438	ATTCTGCCATTGAAAGCCAGTG	9377
TJU_CMC.ID09384.3p-miR	X	-	138114966	138114988	TAGAGAACTGAATAAAGAAATAT	9378
TJU_CMC.ID09385.3p-miR	X	-	138311663	138311685	TTGTCATAGTAGTGTCGTGGAGA	9379
TJU_CMC.ID09386.5p-miR	X	+	138625250	138625271	TAGATAGCACAGTTTATGGGGC	9380
TJU_CMC.ID09387.3p-miR	X	-	138935021	138935041	GAGGTTGACCTGTTTCCCCCC	9381
TJU_CMC.ID09388.3p-miR	X	+	139603289	139603311	ATCATTATCATAGTGATGTTCGT	9382
TJU_CMC.ID09389.5p-miR	X	+	139737703	139737722	CCCATCGTTCAGGTGAAGAA	9383
TJU_CMC.ID09390.5p-miR	X	-	140376184	140376204	AGATGATAATAGTACAAAACT	9384
TJU_CMC.ID09391.3p-miR	X	+	141420998	141421019	CCCAGCCCTGTCTTCTACATAC	9385
TJU_CMC.ID09392.3p-miR	X	+	142076263	142076284	GCATGGCACTCATTCGCACATC	9386
TJU_CMC.ID09393.3p-miR	X	+	142424778	142424797	GAATAATGTGCAGTATAATG	9387
TJU_CMC.ID09394.3p-miR	X	+	143445888	143445908	TGATGATGTATATTCAAGGTG	9388
TJU_CMC.ID09395.5p-miR	X	-	143559071	143559092	GGACAGTGTTGGTACGGAAGAC	9389
TJU_CMC.ID09396.3p-miR	X	-	145200267	145200290	ACAATATTACAACATTATTACAAT	9390
TJU_CMC.ID09397.3p-miR	X	+	145305924	145305946	TGGACACCAAAGGTGCAACTGTC	9391
TJU_CMC.ID09398.5p-miR	X	+	145863814	145863836	CACATGAGATGATACATATATTA	9392
TJU_CMC.ID09399.3p-miR	X	-	147215994	147216013	GCGGGTCGGGGGGCGGGTTC	9393
TJU_CMC.ID09400.5p-miR	X	+	147640244	147640265	TGGCACCATCTCTTTAGCCTTA	9394
TJU_CMC.ID09401.5p-miR	X	-	148051529	148051549	TGGAGAGATCTGTAGAGATCA	9395
TJU_CMC.ID09402.3p-miR	X	+	148151954	148151974	ACAGTAGTCTGCACCAATTAA	9396
TJU_CMC.ID09403.3p-miR	X	-	149166619	149166640	TAGCACCATCCTCCTAGCACTG	9397
TJU_CMC.ID09404.3p-miR	X	+	149704418	149704439	AAACCGTTTGGTGATTCCTCAA	9398
TJU_CMC.ID09405.5p-miR	X	+	149787757	149787778	TTCATCATTTCCAGAGGGAACA	9399
TJU_CMC.ID09406.3p-miR	X	+	149805880	149805901	GTCTTCATTCGGTCAGCGAGCC	9400
TJU_CMC.ID09407.5p-miR	X	-	149902280	149902302	GAGCTTATCAGCATCATGTACTG	9401
TJU_CMC.ID09408.5p-miR	X	-	150215535	150215556	GAAAATATCAAAGCTGAACACT	9402

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TJU_CMC.ID09409.5p-miR	X	-	150380665	150380687	TAATCTATCCTGATGAATGTGAG	9403
TJU_CMC.ID09410.3p-miR	X	+	150878550	150878569	GCTGAGGAGCCAGCAAACAA	9404
TJU_CMC.ID09411.5p-miR	X	+	150893210	150893230	AGCAGGGAGATGGAGCAGGGG	9405
TJU_CMC.ID09412.3p-miR	X	+	150918519	150918541	GTGGCTGCCCCCCGGGGCCTTGC	9406
TJU_CMC.ID09413.5p-miR	X	+	150932985	150933007	CTGGTACCCACTCAATATTTGTT	9407
TJU_CMC.ID09414.5p-miR	X	-	150971088	150971109	TGGCTGGTAAACTTGCTGGACA	9408
TJU_CMC.ID09415.5p-miR	X	-	150988300	150988319	ATCACATTGCCAGGTCACGA	9409
TJU_CMC.ID09416.5p-miR	X	-	151163669	151163688	ATCAGAGGCTATTGTTGTCA	9410
TJU_CMC.ID09417.3p-miR	X	+	151257688	151257708	TTCTTCTACAAGGGGTAATTG	9411
TJU_CMC.ID09418.5p-miR	X	+	151787188	151787207	GTACAGTACTGTGATAATTC	9412
TJU_CMC.ID09419.5p-miR	X	+	152228089	152228108	CAAGGCACATGCTGTGAGCT	9413
TJU_CMC.ID09420.5p-miR	X	-	152950520	152950539	GGGGTTCCGAGCATGTGCAG	9414
TJU_CMC.ID09421.3p-miR	X	-	153209607	153209630	TTGCTAACCCTGCCTTCCCACAGG	9415
TJU_CMC.ID09422.5p-miR	X	-	153233669	153233691	GCTACTGTGCTTGTCCTTAGGGA	9416
TJU_CMC.ID09423.5p-miR	X	-	153359479	153359498	TGTTCCCGCTGTGCTGTGTG	9417
TJU_CMC.ID09424.3p-miR	X	-	153593854	153593876	CAGCTGGCCCCTCTGCCTGCAGC	9418
TJU_CMC.ID09425.3p-miR	X	-	153596106	153596127	ACAGCCTCCCTTGCGCCACAGG	9419
TJU_CMC.ID09426.3p-miR	X	-	153599691	153599711	CCTCGCCTCCCGCGCGCCTAG	9420
TJU_CMC.ID09427.3p-miR	X	+	154031444	154031466	GAGCTTGCTGCTGCAGCAAAGAC	9421
TJU_CMC.ID09428.5p-miR	X	-	154161622	154161643	TAGCTTATACCTATGTCAGAAG	9422
TJU_CMC.ID09429.5p-miR	Y	+	4474181	4474201	TTCACAGTGGCTAAGCTATGG	9423
TJU_CMC.ID09430.5p-miR	Y	-	6584691	6584713	TATCCAATACCTCCATACTGTGC	9424
TJU_CMC.ID09431.5p-miR	Y	-	7074441	7074462	CAAAGTGCTTACATTGCAGTGT	9425
TJU_CMC.ID09432.3p-miR	Y	+	7687892	7687913	GGACAGTAATGACATCTAGGTT	9426
TJU_CMC.ID09433.3p-miR	Y	+	8267863	8267883	GGCCCGTTAACAGGATAACCT	9427
TJU_CMC.ID09434.3p-miR	Y	+	8420513	8420535	CATTTGGGTGCAAATTGGGGTTA	9428
TJU_CMC.ID09435.5p-miR	Y	-	8452825	8452844	ATCATGCAATGGATTCCCAT	9429
TJU_CMC.ID09436.5p-miR	Y	-	8493875	8493895	CTATTTGGATCGGGGTTTGAA	9430
TJU_CMC.ID09437.3p-miR	Y	-	8526197	8526218	TACCTGAGACCCTAGAGGTGAG	9431
TJU_CMC.ID09438.5p-miR	Y	-	8865025	8865044	ATATAGTTCTGAGCTGATCG	9432
TJU_CMC.ID09439.5p-miR	Y	-	10037827	10037848	AATGTGTCCTGCAATTCACATT	9433

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TJU_CMC.ID09440.5p-miR	Y	-	13981167	13981186	GTCTGACCCCTTTGAAGAGA	9434
TJU_CMC.ID09441.5p-miR	Y	+	14092822	14092842	GGAGTCTAACACGTGGCCCAG	9435
TJU_CMC.ID09442.5p-miR	Y	+	14149752	14149771	GAATTTGTACCCCTCCATGA	9436
TJU_CMC.ID09443.3p-miR	Y	-	15163129	15163150	TGTCTCAAAGAGTTTATCCCTG	9437
TJU_CMC.ID09444.3p-miR	Y	+	15574257	15574280	AGTATATTCTCAATGTTGTGCAGC	9438
TJU_CMC.ID09445.3p-miR	Y	-	16020553	16020572	CATTATATAGGGAAAAGTGC	9439
TJU_CMC.ID09446.5p-miR	Y	-	16480026	16480047	TGTGGCTTTAATTTGCATGTTG	9440
TJU_CMC.ID09447.5p-miR	Y	+	16887602	16887623	TGTCAGTTTTTCAAATGTTTTC	9441
TJU_CMC.ID09448.3p-miR	Y	+	17325477	17325496	GTCTGGCCTTGACTCTAGAG	9442
TJU_CMC.ID09449.3p-miR	Y	-	19417381	19417401	CCACTGTGAGTCTGATGGACT	9443
TJU_CMC.ID09450.3p-miR	Y	-	20830248	20830267	GATATAGTTCTGAGCTGATC	9444
TJU_CMC.ID09451.5p-miR	Y	+	21051094	21051113	GACTATAGTTCTGAGCTGAG	9445
TJU_CMC.ID09452.5p-miR	Y	-	21147621	21147641	TTTGCACAAGTCTGACAAACA	9446
TJU_CMC.ID09453.5p-miR	Y	-	21247549	21247569	ACAAGTTGAGATAGGGATCAG	9447
TJU_CMC.ID09454.3p-miR	Y	+	21361666	21361685	ACGGTCTTGAACAGGAATTA	9448
TJU_CMC.ID09455.3p-miR	Y	+	21431921	21431940	GCAGTTCGCCTTACAGTGTC	9449
TJU_CMC.ID09456.3p-miR	Y	-	22574091	22574113	AGACTACAACATACTTTGATGCA	9450
TJU_CMC.ID09457.5p-miR	Y	+	23435318	23435339	CAGGTCAATTCTTGAAGGCTTT	9451
TJU_CMC.ID09458.3p-miR	Y	+	23983196	23983218	TAGCAGTGGCAACCCGGGGGGTT	9452
TJU_CMC.ID09459.3p-miR	Y	+	27419586	27419607	ACAGTAGCTCAAGTTATGGGGC	9453
TJU_CMC.ID09460.3p-miR	Y	+	28757296	28757315	GCTAGGTGCTCACCAGAGCT	9454
TJU_CMC.ID09461.3p-miR	1	-	1166553	1166575	CACCGTGATGAATAGATACTCTG	9455
TJU_CMC.ID09462.5p-miR	1	+	1601334	1601353	AACGCACACCAGGCTGGCTG	9456
TJU_CMC.ID09463.3p-miR	1	+	2407044	2407064	CTTGGGCGAGGCCCCTGTCCA	9457
TJU_CMC.ID09464.5p-miR	1	+	6663216	6663236	CGCCGCGCGCCGGGACCGGGG	9458
TJU_CMC.ID09465.3p-miR	1	-	10282538	10282558	CAGCCAGGATTATATTCCTAA	9459
TJU_CMC.ID09466.5p-miR	1	-	13801828	13801848	GAACGAGAACTTTGATCCTTA	9460
TJU_CMC.ID09467.5p-miR	1	+	18191037	18191057	CCAATATGGTAGCCACTCACC	9461
TJU_CMC.ID09468.3p-miR	1	+	20622348	20622369	TGAGGTTGTAGGTTGTTTGGTT	9462
TJU_CMC.ID09469.5p-miR	1	+	23346063	23346082	CGGCCGTCGGCGGCCCGGCG	9463
TJU_CMC.ID09470.5p-miR	1	-	24529240	24529260	CGTCTCGAGGCCCAGCCCGTG	9464

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TJU_CMC.ID09471.3p-miR	1	+	35530874	35530895	TCATTCCCGGCTTTCGGCACCA	9465
TJU_CMC.ID09472.3p-miR	1	+	36590690	36590709	CCCTCGAGGGCGGCCCCGGGC	9466
TJU_CMC.ID09473.3p-miR	1	+	36621971	36621992	CGCCGCCCGCCGCCGCTGAGACC	9467
TJU_CMC.ID09474.5p-miR	1	-	38677949	38677968	TGCCCGGCACCTCCACCACA	9468
TJU_CMC.ID09475.5p-miR	1	-	39963895	39963914	TCAGCCCGGAGGAGCCCCCA	9469
TJU_CMC.ID09476.3p-miR	1	+	40244560	40244579	TCAGCCCGGAAGAGCCCCCA	9470
TJU_CMC.ID09477.3p-miR	1	+	40416349	40416368	ATCCCACTCCTGACACCAGT	9471
TJU_CMC.ID09478.3p-miR	1	-	43204515	43204537	CCAGGCCAGAAAGCAACAGCAGA	9472
TJU_CMC.ID09479.3p-miR	1	+	43455502	43455525	CGCGCGCGTGTGTGTGTATGAGGG	9473
TJU_CMC.ID09480.3p-miR	1	-	50722483	50722503	ATCATGTGAAGGGACTTGTAC	9474
TJU_CMC.ID09481.5p-miR	1	-	58577647	58577667	GGTGTAGGTCGAGGTTTGTGT	9475
TJU_CMC.ID09482.5p-miR	1	-	64240372	64240392	CGGCCCGCCGCGGGGCTCCGG	9476
TJU_CMC.ID09483.3p-miR	1	-	65806698	65806721	ACCCGCCCAAGCTAAGGGGTCTGG	9477
TJU_CMC.ID09484.3p-miR	1	-	66862393	66862415	TAGCTGAGCAACATTAGTCACAT	9478
TJU_CMC.ID09485.3p-miR	1	+	76329033	76329055	AACTAACTAGTTAGCCTGCCATA	9479
TJU_CMC.ID09486.5p-miR	1	+	76745965	76745986	TGAATATATTTGGGGTATATTC	9480
TJU_CMC.ID09487.3p-miR	1	-	77234320	77234339	GGGTGCAGAGCAGATATTTA	9481
TJU_CMC.ID09488.5p-miR	1	-	84094711	84094733	TACGGTCCTAAATATTGCTTTGG	9482
TJU_CMC.ID09489.3p-miR	1	-	85957139	85957161	CAACTATGATCTCTCATCTCATC	9483
TJU_CMC.ID09490.3p-miR	1	-	92336635	92336656	GTGCCAGGATTTATAAGCTGGT	9484
TJU_CMC.ID09491.5p-miR	1	+	95582824	95582844	GCGGCCCGCCTCGGGGCCCCG	9485
TJU_CMC.ID09492.3p-miR	1	-	99465524	99465546	ATGATTTAAAGGAAATGAAGCTA	9486
TJU_CMC.ID09493.5p-miR	1	-	100553595	100553618	AGCTGTGATGCCCACCTGTTTACC	9487
TJU_CMC.ID09494.5p-miR	1	-	112594665	112594688	GCCTGGGCTTCCTAGGGGCATGGT	9488
TJU_CMC.ID09495.3p-miR	1	+	119614940	119614961	AAATTAATGAAAATGGTGATGA	9489
TJU_CMC.ID09496.3p-miR	1	+	151171341	151171362	CCCCGGAGGGGGCGGGGAGGTG	9490
TJU_CMC.ID09497.3p-miR	1	+	154787889	154787909	CATCTCCGCGTGAAACCTGCC	9491
TJU_CMC.ID09498.3p-miR	1	+	160313315	160313337	CTCGGATCGGCCCCGCCGCGACC	9492
TJU_CMC.ID09499.3p-miR	1	-	161500108	161500131	ATATGTGTTTTCCGTCCTTACTTT	9493
TJU_CMC.ID09500.5p-miR	1	+	161957866	161957885	GAGAAAGTTCAAAGGAACTG	9494
TJU_CMC.ID09501.3p-miR	1	-	162662707	162662729	ACTATTGATGAATGTCTGGGTAT	9495

Table 1. Novel miRNA sequences

TJU_CMC.ID09502.5p-miR	1	+	167873466	167873486	TAAGCGTGCGCCACCATGCCA	9496
TJU_CMC.ID09503.3p-miR	1	+	170065156	170065175	AGGAAACTCTGGTGGATCAG	9497
TJU_CMC.ID09504.5p-miR	1	-	172185005	172185024	TTTAGGATTTATAAGAGCCA	9498
TJU_CMC.ID09506.3p-miR	1	+	175375541	175375560	GGCCCATGTACTCTGCCAGA	9499
TJU_CMC.ID09508.5p-miR	1	-	176055110	176055131	TTACTGTGATGAACTTCTGAGG	9500
TJU_CMC.ID09509.3p-miR	1	+	183954695	183954714	CCGCACCCGGCCAGGACACG	9501
TJU_CMC.ID09510.3p-miR	1	-	189643818	189643839	GACACATTTTAAATAAACTATA	9502
TJU_CMC.ID09511.5p-miR	1	+	203645868	203645887	CTCTCCAGGCAGGAATTGGA	9503
TJU_CMC.ID09512.3p-miR	1	-	210145257	210145237	CGTAACTTATTCTATGAAGCC	9504
TJU_CMC.ID09513.5p-miR	1	-	216394719	216394699	CTGTTAATCGGGGAAAACCAA	9505
TJU_CMC.ID09514.5p-miR	1	+	219496630	219496653	TCATGAAGAGGAAGAAAAATGAGA	9506
TJU_CMC.ID09515.3p-miR	1	+	249168519	249168539	GTAAGCCGTTTTAAAAACTGT	9507
TJU_CMC.ID09516.5p-miR	2	+	5702586	5702608	CAGGTCTCCATCCACTGGGGGGA	9508
TJU_CMC.ID09517.3p-miR	2	+	10291382	10291402	TTGGCTATGATGAATCAAGTT	9509
TJU_CMC.ID09518.3p-miR	2	-	52491524	52491544	TCTCTCCTGGCTGGCTCGCCA	9510
TJU_CMC.ID09519.5p-miR	2	-	67532278	67532298	ATAATATTAGTTGTAGAATAT	9511
TJU_CMC.ID09520.3p-miR	2	+	71822500	71822520	ACTGGACTAGGAGTCAGGGGG	9512
TJU_CMC.ID09521.5p-miR	2	+	78870915	78870934	TTACAAAGTCAAGGTCTAGT	9513
TJU_CMC.ID09522.5p-miR	2	-	82997851	82997873	TGAGCTGGGTGGTCTGGCAGCAC	9514
TJU_CMC.ID09523.3p-miR	2	+	85838974	85838993	CGGCGGCGGCGCAGGGCGGG	9515
TJU_CMC.ID09524.5p-miR	2	-	88751687	88751706	CCCGCCTCGCCCGCCGCGCC	9516
TJU_CMC.ID09525.5p-miR	2	-	101254089	101254110	GCTCTGGAAATCAAACTAACAT	9517
TJU_CMC.ID09526.5p-miR	2	-	117475363	117475384	TCGAATCCTGTTCGTGACGCCA	9518
TJU_CMC.ID09527.5p-miR	2	+	124729146	124729167	TCATGACAGTGGCCAGAGAGAT	9519
TJU_CMC.ID09528.3p-miR	2	+	130478734	130478754	CTCACCTGGAGCATGTTTTCC	9520
TJU_CMC.ID09529.3p-miR	2	+	131032190	131032210	TATTCTGATTCTTCGGTCACC	9521
TJU_CMC.ID09530.3p-miR	2	+	131750110	131750129	CGAACCGGGCGGGAACACCA	9522
TJU_CMC.ID09531.5p-miR	2	-	133010728	133010749	GGGCTATGCCTGTCTGAGCGTC	9523
TJU_CMC.ID09532.3p-miR	2	+	133444869	133444888	ATACAATATGGCAGGAACAG	9524
TJU_CMC.ID09533.3p-miR	2	-	140979249	140979268	AGGTCGGTTTCTATCTACTG	9525
TJU_CMC.ID09534.3p-miR	2	+	145325212	145325231	GCTTATACAGCATAATTTTA	9526

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TJU_CMC.ID09535.3p-miR	2	+	191423358	191423379	TGTAACCCTAAAGTGGAAGCCA	9527
TJU_CMC.ID09536.3p-miR	2	-	194136425	194136447	ATTCCAGGAGGGTATTCCTAACA	9528
TJU_CMC.ID09537.5p-miR	2	-	194592575	194592595	GCTACATCTCTTCAGCTAACC	9529
TJU_CMC.ID09538.3p-miR	2	-	198976714	198976736	CAAGATACACTCTCTCGCTGTAG	9530
TJU_CMC.ID09539.5p-miR	2	-	199047064	199047086	ACTGGAGTTGGAGTCAGAAGCCA	9531
TJU_CMC.ID09540.3p-miR	2	-	218905715	218905735	TAGAGAACCATCTGAAAGACT	9532
TJU_CMC.ID09541.5p-miR	2	-	220158886	220158907	GTCATTTTTGTGATCTGCAGCT	9533
TJU_CMC.ID09542.3p-miR	2	+	220492264	220492287	GCGGCGGCGGCGGCGGCGGAGGTG	9534
TJU_CMC.ID09543.3p-miR	2	+	223076409	223076430	CCAGGAAATGTTCCTTAAAACT	9535
TJU_CMC.ID09544.3p-miR	2	+	234915514	234915533	AATGAGACTCTGGCATGGGA	9536
TJU_CMC.ID09545.3p-miR	2	-	237506444	237506467	CAGCCAGTCCGAGGTCCACATAAG	9537
TJU_CMC.ID09546.5p-miR	2	-	239054461	239054483	AAGGCCTCACCGCCGATAACGTA	9538
TJU_CMC.ID09547.5p-miR	3	-	15578258	15578279	TCAATTAACCCTTATACCAGTG	9539
TJU_CMC.ID09548.3p-miR	3	+	27763589	27763609	CCGCTCACCGCCTCGCAGGAG	9540
TJU_CMC.ID09549.5p-miR	3	-	31203246	31203266	TGTGTTGCATGTGTGTATATG	9541
TJU_CMC.ID09550.3p-miR	3	-	39385516	39385539	TTGTTCATTTTGAGACTACAGAAT	9542
TJU_CMC.ID09551.3p-miR	3	-	41558775	41558794	GGTTCTAATATATGAATTGT	9543
TJU_CMC.ID09552.5p-miR	3	-	42563046	42563065	CTTCCCGTGGATATAATTCT	9544
TJU_CMC.ID09553.5p-miR	3	+	54356772	54356793	AGGGAACGTGAACTGGGTTTAG	9545
TJU_CMC.ID09554.3p-miR	3	+	63947809	63947828	TTAGCTATTTCCCTCATCCC	9546
TJU_CMC.ID09555.5p-miR	3	+	65342202	65342225	ACCGCTCTCTCCTGCGCTCGGGGG	9547
TJU_CMC.ID09556.5p-miR	3	+	73793127	73793146	ATTTCACCCCATAAACACCA	9548
TJU_CMC.ID09557.3p-miR	3	-	81647068	81647090	CCTAAAAACCTTAATATTGGAAT	9549
TJU_CMC.ID09558.3p-miR	3	-	102099007	102099028	GACACTGTTGTTAACTCTCAAT	9550
TJU_CMC.ID09559.3p-miR	3	+	113465106	113465129	CTCGCGCGCCGGCGCGCCGCCGCC	9551
TJU_CMC.ID09560.5p-miR	3	-	114105919	114105942	CAATGAGATGATATATATATAAAG	9552
TJU_CMC.ID09561.5p-miR	3	+	115998302	115998323	TCTTTGACTAAAGCCAGGTGTA	9553

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TJU_CMC.ID09562.5p-miR	3	+	124451297	124451317	AAAATGCAGAATCCATTTCTG	9554
TJU_CMC.ID09563.3p-miR	3	+	138600258	138600279	ATCCCAGGATTTATAAGAGCTG	9555
TJU_CMC.ID09564.5p-miR	3	-	142682770	142682790	CTCGGCGCGCGCGCCGCCGCG	9556
TJU_CMC.ID09565.3p-miR	3	+	148709444	148709464	CGCAGCCCGCCGCCGCCAGCC	9557
TJU_CMC.ID09566.3p-miR	3	+	156709280	156709299	TGATTTACAAGCTATTTTGA	9558
TJU_CMC.ID09567.3p-miR	3	-	159659031	159659052	TGAGGTTCATTGTTGTTATCAT	9559
TJU_CMC.ID09568.3p-miR	3	+	160176098	160176117	ATGCTATCAGGACTGCCATT	9560
TJU_CMC.ID09569.3p-miR	3	+	171740479	171740499	TGGGGATTGATGAATACCTGG	9561
TJU_CMC.ID09570.5p-miR	3	+	179641418	179641439	ATCATGGTTTTGAAATCACACA	9562
TJU_CMC.ID09571.5p-miR	3	+	180397790	180397811	ACCGGCCCCATCGCGGATGTCC	9563
TJU_CMC.ID09572.5p-miR	3	-	184098570	184098592	TGCACTCACCGCCTCGCAGGCGC	9564
TJU_CMC.ID09573.3p-miR	3	+	186504112	186504133	ATGCAGGTACTGTTACAATACA	9565
TJU_CMC.ID09574.5p-miR	3	+	196871049	196871070	TTTGACTAAAATAAATGTGGCA	9566
TJU_CMC.ID09575.5p-miR	4	+	5357238	5357259	AACTTATGATGAGATTCTGAAG	9567
TJU_CMC.ID09576.5p-miR	4	-	6193071	6193094	GGCCCGTGATGAGTTCTCTGAGGG	9568
TJU_CMC.ID09577.5p-miR	4	-	9941079	9941101	TAGCACCATGCTCGGCACTGTGG	9569
TJU_CMC.ID09578.5p-miR	4	+	20760052	20760072	CAGATTTCATATCTATAAATT	9570
TJU_CMC.ID09579.3p-miR	4	+	55871611	55871634	GTTCATACCAAGGGACAGTTCTCA	9571
TJU_CMC.ID09580.3p-miR	4	+	68253774	68253797	TATATATAAACTCCCTTTATTTTT	9572
TJU_CMC.ID09581.3p-miR	4	-	78400909	78400930	AGAATCACATAGTTCCATCTCA	9573
TJU_CMC.ID09582.3p-miR	4	-	79820222	79820241	CTGATCAGCACCGGAGTTTT	9574
TJU_CMC.ID09583.3p-miR	4	+	103422602	103422622	CCGTCGGTCGGGCCGCCAGCC	9575
TJU_CMC.ID09584.5p-miR	4	-	113013884	113013903	GAAGGGACAAGCTATTATCT	9576
TJU_CMC.ID09585.5p-miR	4	-	121154538	121154560	GCCATATGAAGACATGCCTTGCT	9577
TJU_CMC.ID09586.3p-miR	4	-	129733495	129733516	GGGCCGCGGTTCCGCGCGGCGC	9578
TJU_CMC.ID09587.3p-miR	4	-	142061823	142061842	TGCACAGTGCTCTGAATGTC	9579
TJU_CMC.ID09588.5p-miR	4	+	144987867	144987889	ACTGGACTTAGAGTCAGAAGGCA	9580
TJU_CMC.ID09589.3p-miR	4	+	157251791	157251812	TTGACTTTTTATTATACAAGTG	9581
TJU_CMC.ID09590.3p-miR	4	-	166795253	166795272	GCAGCGGCCCCCGGCGCGCC	9582

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TJU_CMC.ID09591.5p-miR	5	+	9403431	9403451	CACAATCGAGCTTAGGTCTGA	9583
TJU_CMC.ID09592.3p-miR	5	+	10954632	10954653	TCTGAGATTAGGACCAGGACAG	9584
TJU_CMC.ID09593.5p-miR	5	-	11588973	11588995	GAGGTGGGTAGGATGCCAGGAAC	9585
TJU_CMC.ID09594.5p-miR	5	-	27266387	27266408	TACATGAAAATGGATCTCTGTG	9586
TJU_CMC.ID09595.3p-miR	5	+	29923245	29923265	CTATAGCCAGCAAATCAAGTT	9587
TJU_CMC.ID09596.5p-miR	5	-	36712280	36712303	GCTGATGATGAAAGATGGTCTGAA	9588
TJU_CMC.ID09597.5p-miR	5	+	50575392	50575413	AGTGCAGAGTTGATTCAACAGA	9589
TJU_CMC.ID09598.5p-miR	5	+	61195805	61195826	TTGTGAGATCAGAAATGTTTCT	9590
TJU_CMC.ID09599.5p-miR	5	-	64967970	64967993	AAAAATGATGAAACTGTTCTGAAT	9591
TJU_CMC.ID09600.5p-miR	5	-	76148591	76148612	TGCTGCAAACTCAAATACCTAC	9592
TJU_CMC.ID09601.3p-miR	5	-	81934675	81934697	TTACATACTGAGAGACGGAGTAG	9593
TJU_CMC.ID09602.5p-miR	5	-	82013322	82013344	CGTATTATGAGTCATCTAGAGAT	9594
TJU_CMC.ID09603.5p-miR	5	+	96016880	96016902	GCACAATGATGATTTTCTGAGTG	9595
TJU_CMC.ID09604.5p-miR	5	+	99386421	99386440	AATTCGGCTCAGTCTAATCC	9596
TJU_CMC.ID09605.3p-miR	5	+	102055860	102055882	AACATTCAGGCGATAGCCACTCA	9597
TJU_CMC.ID09606.3p-miR	5	+	154026948	154026969	CCTCCTTTACACTACGCCCCAG	9598
TJU_CMC.ID09607.3p-miR	5	-	161619585	161619604	GAGAAAGCTCACAAGAAAGG	9599
TJU_CMC.ID09608.3p-miR	5	-	166054896	166054919	TTTCAGCATTACCTTGGGAATTAG	9600
TJU_CMC.ID09609.5p-miR	5	+	166405992	166406013	GCGCGCGCGCGTGTGTTGTGCG	9601
TJU_CMC.ID09610.3p-miR	5	-	171115251	171115271	CTGTAGACCTGGCCAGAGAAG	9602
TJU_CMC.ID09611.3p-miR	5	-	174178746	174178765	GCCCCGGGCCGGTCGCGCCG	9603
TJU_CMC.ID09612.5p-miR	5	+	180692668	180692687	TCTTCCCGGCCCATGCACCA	9604
TJU_CMC.ID09613.3p-miR	6	-	5065274	5065293	TGGTTGCCATGGTTTAGGGT	9605
TJU_CMC.ID09614.3p-miR	6	+	26537799	26537818	GTGTAAGCAGGGTCGTTTTA	9606
TJU_CMC.ID09615.3p-miR	6	-	27509450	27509473	TTGTTCCAACCTGATCAGACTTTT	9607
TJU_CMC.ID09616.3p-miR	6	-	29599342	29599364	TACACCCGCCCTGGGAAGGGGGC	9608
TJU_CMC.ID09617.5p-miR	6	-	62190812	62190835	CTCACTATGTCCCTTCAGCTTCTA	9609
TJU_CMC.ID09618.5p-miR	6	-	80895348	80895368	CCCATCTCCAGGTGAAGGGGA	9610
TJU_CMC.ID09619.5p-miR	6	+	86984024	86984043	ATATTGAAGCCCTATTCCAA	9611
TJU_CMC.ID09620.5p-miR	6	-	92230490	92230511	AATTAAAACAGGATGCTATGAA	9612
TJU_CMC.ID09621.5p-miR	6	-	92436800	92436821	AACAACTAAGGACTGCAAAACC	9613

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TJU_CMC.ID09622.5p-miR	6	-	110679356	110679376	CGGCGCGCCGGGCCCGGGTCC	9614
TJU_CMC.ID09623.5p-miR	6	-	112463570	112463591	AGAGTTTATAGGCCCCTGTCAC	9615
TJU_CMC.ID09624.5p-miR	6	+	116109653	116109673	GGTCAATGATGAGCACCTCCA	9616
TJU_CMC.ID09625.3p-miR	6	+	126448905	126448925	CTGAACGCGCCCGATCTCGTC	9617
TJU_CMC.ID09626.3p-miR	6	-	130639242	130639262	AAGGATTTCGCCTCTAATCCT	9618
TJU_CMC.ID09627.3p-miR	6	+	131701125	131701147	GGTCCAGAGCCCCGCCTCTAACC	9619
TJU_CMC.ID09628.3p-miR	7	+	6692798	6692817	CGGCGGCCGCCGCGGGGCCC	9620
TJU_CMC.ID09629.3p-miR	7	+	17983155	17983174	AATTAAAACAAAGCAAGCTA	9621
TJU_CMC.ID09630.5p-miR	7	+	45286223	45286242	GTAAGCAGGAAATGAAAACC	9622
TJU_CMC.ID09631.5p-miR	7	+	47789245	47789264	AAATATTGATGAATACCTGT	9623
TJU_CMC.ID09632.3p-miR	7	+	54609936	54609958	CGGCGCGAGCTCCCGGGCGGGGC	9624
TJU_CMC.ID09633.5p-miR	7	+	81313503	81313523	GAGTGACAGGTTAACTCTAAA	9625
TJU_CMC.ID09634.3p-miR	7	-	96253212	96253233	CGGCAAGCCAAGGAATGCCAGG	9626
TJU_CMC.ID09635.3p-miR	7	-	96654078	96654101	CTCCTCCTCGCCGCGGCCGCCGCC	9627
TJU_CMC.ID09636.3p-miR	7	-	103629811	103629834	GGCGCGCGGCGGCGGCGGCGGCGG	9628
TJU_CMC.ID09637.5p-miR	7	-	137329873	137329894	ATCGCAGCAAATCAATGGGTTT	9629
TJU_CMC.ID09638.3p-miR	7	-	138728846	138728867	TCTCTCGGACAAGCTGTAGGTC	9630
TJU_CMC.ID09639.5p-miR	7	-	148552525	148552548	GGCCAACTTCACACCCAGCTGCTA	9631
TJU_CMC.ID09640.3p-miR	7	-	149570671	149570690	CGGCCCCGCGGGGGTCGGAC	9632
TJU_CMC.ID09641.3p-miR	7	-	152582186	152582209	ACGGGCATCTGCCACACTCTAAAA	9633
TJU_CMC.ID09642.3p-miR	8	+	9515858	9515879	CAGGCGGCGCTCGCCGGCGCGG	9634
TJU_CMC.ID09643.5p-miR	8	-	9798364	9798387	ACTCTATTCTACAGCATAATTTTA	9635
TJU_CMC.ID09644.5p-miR	8	-	10579422	10579444	GCTTGTTGCCCAGGGCACACAGG	9636
TJU_CMC.ID09645.5p-miR	8	+	11741226	11741245	AGTCAGAGGAGGAGAAGAAA	9637
TJU_CMC.ID09646.3p-miR	8	+	20917036	20917057	CGTAATTAGCCCATAGGGATTG	9638
TJU_CMC.ID09647.3p-miR	8	-	22994139	22994162	AATTAAGTTAGATCCGAGACTGCG	9639
TJU_CMC.ID09648.3p-miR	8	+	31995533	31995553	ACAATAGAGGATTTTCATATG	9640
TJU_CMC.ID09649.5p-miR	8	-	48566699	48566719	TCACTCACCTGGCCAGAGAAC	9641
TJU_CMC.ID09650.3p-miR	8	+	52995825	52995845	GCGTATGAATTGTCTGGAGAT	9642
TJU_CMC.ID09651.5p-miR	8	-	59940472	59940492	CAGTGAAATACAAAACCTGGC	9643
TJU_CMC.ID09652.3p-miR	8	+	67807915	67807935	TTGGGTTTTAAGTGGGAGGTG	9644

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TJU_CMC.ID09653.3p-miR	8	-	74269384	74269407	TGGCAGCTTCGGAAAGGACTAATG	9645
TJU_CMC.ID09654.3p-miR	8	-	77557822	77557841	AGTGCACTTGGACGAACCAA	9646
TJU_CMC.ID09655.5p-miR	8	+	80824423	80824446	GTTCCATGATACTTCTTGCTCTTT	9647
TJU_CMC.ID09656.5p-miR	8	-	103819398	103819421	CGGGGCGGGGGCGCCTCGGGCGCG	9648
TJU_CMC.ID09657.5p-miR	8	-	119680177	119680196	ACTGAAAAGGCTTATGACAA	9649
TJU_CMC.ID09658.5p-miR	8	-	120083248	120083269	ACTGGACTTGGAGCCAGAAGGC	9650
TJU_CMC.ID09659.3p-miR	8	-	130973538	130973561	TCCATATGATGACTCCCGTTTCTG	9651
TJU_CMC.ID09660.3p-miR	8	+	133492728	133492751	CGTCGCCGCCGCCGCCAGCCGCCC	9652
TJU_CMC.ID09661.5p-miR	8	-	136786019	136786041	GGGGGCCCAAGTCCTTCTGATCG	9653
TJU_CMC.ID09662.5p-miR	8	+	143250006	143250028	CAGGTCTCCATCCACACACAAAG	9654
TJU_CMC.ID09663.5p-miR	8	-	143557101	143557120	CTTCTGCTCGAGGCCCCGCC	9655
TJU_CMC.ID09664.3p-miR	9	+	649436	649457	TACAGATGTGTGATAACTGACT	9656
TJU_CMC.ID09665.5p-miR	9	+	11846629	11846650	TTCTGTTGCCCAGGTAGTAGTG	9657
TJU_CMC.ID09666.5p-miR	9	+	24017273	24017294	CCAAGCGTTCAATTCTCATCTA	9658
TJU_CMC.ID09667.5p-miR	9	+	26097322	26097344	TATGATACTGAGTCTTAAGCATT	9659
TJU_CMC.ID09668.3p-miR	9	+	27983233	27983253	ATAAAAAGCATTAGTTAATAG	9660
TJU_CMC.ID09669.3p-miR	9	-	36847068	36847088	CATAATGATGTGGACCTGACT	9661
TJU_CMC.ID09670.3p-miR	9	-	66477051	66477073	TCTCTATTCCTCCCTTTATTTTT	9662
TJU_CMC.ID09671.3p-miR	9	+	82800415	82800434	CTGGGAGACCCGACGCACCC	9663
TJU_CMC.ID09672.5p-miR	9	+	98118007	98118029	AGAATTGTGGCTGGAAATCTGAA	9664
TJU_CMC.ID09673.3p-miR	9	-	102582327	102582346	AGGGCGCGCGGGGCGGGGCG	9665
TJU_CMC.ID09674.3p-miR	9	+	103624075	103624094	ACACTACTGTGAACATGGGT	9666
TJU_CMC.ID09675.5p-miR	9	+	116918270	116918293	GCGGCGGCGGCGGCGCGCGGGGGG	9667
TJU_CMC.ID09676.5p-miR	9	+	122496737	122496760	CGGGAGGGGGGTAGGGGGGATAAA	9668
TJU_CMC.ID09677.5p-miR	9	-	127616120	127616143	GGAGCTTTGTGCCCCTCTCGAGGC	9669
TJU_CMC.ID09678.3p-miR	9	+	130547657	130547678	AGGCGGAGGAGGGGCCGCGGGC	9670
TJU_CMC.ID09679.5p-miR	9	+	130659774	130659793	CCCCTCCCCGTGGGAGCGCC	9671
TJU_CMC.ID09680.3p-miR	9	-	131843624	131843643	CGGCGCGCGCGCCGGCCGAG	9672
TJU_CMC.ID09681.3p-miR	9	+	136793244	136793266	TCCCCAGTTATAAAACGGCGGGT	9673
TJU_CMC.ID09682.5p-miR	9	-	138708863	138708884	TTCCTGTGATGAGACTGAGGCC	9674
TJU_CMC.ID09684.5p-miR	9	+	139937558	139937578	CGGCCCCGCAGGGCTCGGCCC	9675

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TJU_CMC.ID09685.5p-miR	10	+	1621712	1621731	AAGCGATCCCTTTCTGATTT	9676
TJU_CMC.ID09686.5p-miR	10	+	2771532	2771552	TATTTTCTGCATTCTCCCTGG	9677
TJU_CMC.ID09687.3p-miR	10	-	5895654	5895673	TGGTGTGGTCTGTTGTTTTC	9678
TJU_CMC.ID09688.3p-miR	10	-	13936529	13936552	GAGCAGTGATGTGAGCTGAGCTCT	9679
TJU_CMC.ID09689.5p-miR	10	-	16166647	16166667	AGCATGGAGGAAATTCCATGT	9680
TJU_CMC.ID09690.3p-miR	10	+	20505354	20505373	TAAATGAGACCCTAGTATGT	9681
TJU_CMC.ID09691.5p-miR	10	-	23640713	23640735	CCCACGCCTAGCCCTTTAAAAAA	9682
TJU_CMC.ID09692.5p-miR	10	+	31014721	31014741	GCGGGCCAGGGGAATCCGGCT	9683
TJU_CMC.ID09693.3p-miR	10	-	35988455	35988475	AGTGCAAACTGACTACAGCTG	9684
TJU_CMC.ID09694.3p-miR	10	-	86348022	86348043	TCTCCATCTGGGATTGAATGTC	9685
TJU_CMC.ID09695.5p-miR	10	+	88937110	88937132	GCTGATGATGAAAGATTCTGAGG	9686
TJU_CMC.ID09696.5p-miR	10	+	95806982	95807004	TGGTATACTGTCTCTTAAGTGCT	9687
TJU_CMC.ID09697.3p-miR	10	+	100805730	100805752	CCTAACTTATTTTAGGAAGCCAA	9688
TJU_CMC.ID09698.3p-miR	10	-	129149255	129149274	TTTACTTGACCACTCTGACC	9689
TJU_CMC.ID09699.5p-miR	10	+	132588139	132588158	CCCCAGCTGCGGCGGGCGGC	9690
TJU_CMC.ID09700.5p-miR	10	-	134986648	134986668	TTAACTGTCCAATCAGAGAAT	9691
TJU_CMC.ID09701.5p-miR	11	-	386833	386853	CAGATCCCAGACGAGCCCCCA	9692
TJU_CMC.ID09702.5p-miR	11	-	1063488	1063509	TATGTGGTTTTGAAATCGGGGT	9693
TJU_CMC.ID09703.3p-miR	11	+	2537244	2537265	GCCCCTGGGCCTATCCGCCCAC	9694
TJU_CMC.ID09704.3p-miR	11	-	12990786	12990806	GAACAGCCTCTGGCATCTTGG	9695
TJU_CMC.ID09705.3p-miR	11	+	48320227	48320250	GCAGTGGGAACAGGTGTTGTCTTC	9696
TJU_CMC.ID09706.3p-miR	11	+	58105061	58105084	GGTTCATTATTGCAGGGGTGAGCT	9697
TJU_CMC.ID09707.5p-miR	11	+	62495716	62495735	AGGGCGAGGAACTGGTCACG	9698
TJU_CMC.ID09708.3p-miR	11	+	67210784	67210803	CCGCGATCCCCCCTCAGCCC	9699
TJU_CMC.ID09709.5p-miR	11	+	73085276	73085296	ATGCCAGGATTTTATAAAGCC	9700
TJU_CMC.ID09710.5p-miR	11	-	76381445	76381467	CTTGGCGGATCTTTCCCGCAAAG	9701
TJU_CMC.ID09711.5p-miR	11	-	77390142	77390161	TACTTACATGTTGTCCGTAG	9702
TJU_CMC.ID09712.3p-miR	11	-	87171464	87171483	ATAACCGCAGCATTGAGAAC	9703
TJU_CMC.ID09713.3p-miR	11	+	105092440	105092461	ACAGCATCACCTTGGGAATACT	9704
TJU_CMC.ID09714.5p-miR	11	+	118388760	118388780	TGGAATTGCATATGTGCAATT	9705
TJU_CMC.ID09715.3p-miR	11	+	118405277	118405298	TGATGAGATCTGGCTCTGAGCC	9706

Table 1. Novel miRNA sequences

TJU_CMC.ID09716.5p-miR	11	-	122622239	122622260	AATTAAAACACCTAATTATAGG	9707
TJU_CMC.ID09717.5p-miR	11	+	133127011	133127034	GGTCCACTCCAGAACACCACTGTC	9708
TJU_CMC.ID09718.5p-miR	12	+	3475221	3475241	TCACCTGGCCCGGACACGGGC	9709
TJU_CMC.ID09719.5p-miR	12	+	5020520	5020539	CCCACCCCCGCGCCCGGCTT	9710
TJU_CMC.ID09720.5p-miR	12	+	10869482	10869503	TGAGGTGACTCACCACACAACC	9711
TJU_CMC.ID09721.3p-miR	12	-	24859933	24859952	CTGATCAGCACCGGAGTTAT	9712
TJU_CMC.ID09722.3p-miR	12	+	33049886	33049905	CGCGCAGTCGGGCCCGGGGG	9713
TJU_CMC.ID09723.3p-miR	12	-	54385289	54385308	TGGCGGCCAAATACCTGCCC	9714
TJU_CMC.ID09724.5p-miR	12	-	54947213	54947235	AGCATAGAACATTGAGCCTAGAC	9715
TJU_CMC.ID09725.5p-miR	12	-	57835985	57836004	TACTTACATATTGAGGCATT	9716
TJU_CMC.ID09726.3p-miR	12	-	71830725	71830747	AGCATTCAACATGTGACCTGAGT	9717
TJU_CMC.ID09727.5p-miR	12	+	72927793	72927815	AGATTGATGAGTACCTGGGTATA	9718
TJU_CMC.ID09728.3p-miR	12	-	103195146	103195169	ACTCTAGTGCACAGCATAATTTTG	9719
TJU_CMC.ID09729.3p-miR	12	+	105652314	105652337	GGAGAGGGTGTTTCCTCTATATTA	9720
TJU_CMC.ID09730.3p-miR	12	-	111099581	111099601	AGGTTGTGATGTCTCTGAACC	9721
TJU_CMC.ID09731.3p-miR	12	-	113507173	113507195	CGGAGAGGCTACCACCTTGGAGG	9722
TJU_CMC.ID09732.3p-miR	12	-	116988313	116988335	CATAATTGGAAATACCACCGAGA	9723
TJU_CMC.ID09733.5p-miR	12	-	123040099	123040122	GCCCGGCCCTTCTTTTTTATTTTT	9724
TJU_CMC.ID09734.5p-miR	12	+	124456694	124456713	TGGGCGCGCGCCGCGGCCGG	9725
TJU_CMC.ID09735.5p-miR	12	-	133739729	133739752	GAAAAAGTCACTTCTTCCATTTTT	9726
TJU_CMC.ID09736.3p-miR	13	+	21277872	21277895	CGGCTCGGGGCGGCGGCGGCGGCG	9727
TJU_CMC.ID09737.3p-miR	13	-	23626202	23626223	AGTTCTTTATATGTAAAATAAT	9728
TJU_CMC.ID09738.3p-miR	13	+	24906356	24906377	ATCTGTCATCTGAAATATTGAT	9729
TJU_CMC.ID09739.5p-miR	13	-	27334955	27334974	GCGGGGGCGGCGCGCGCGCG	9730
TJU_CMC.ID09740.5p-miR	13	+	31471440	31471463	AATAGGCAGCAGGCTGGACTTGGC	9731
TJU_CMC.ID09741.3p-miR	13	-	37664894	37664913	TTGGGGACCAGCCTCATCAC	9732
TJU_CMC.ID09742.3p-miR	13	-	46609254	46609276	TGATAACTGAATTCCAAGGGTTA	9733
TJU_CMC.ID09743.3p-miR	13	+	71421290	71421313	TGGGATAAGCTCCCTTATAAAAAA	9734
TJU_CMC.ID09744.3p-miR	13	+	73912311	73912334	GCAGATATTATCTTTTAATATTTA	9735
TJU_CMC.ID09745.3p-miR	13	-	74675092	74675115	CCTGGTTGATGAGATTTCTGACAG	9736
TJU_CMC.ID09746.5p-miR	13	+	84144564	84144584	ATCATGGAGGAAAATCATATT	9737

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TJU_CMC.ID09747.5p-miR	13	+	102636722	102636744	AATATTGATAAATCAAGTTTTAT	9738
TJU_CMC.ID09748.5p-miR	13	-	109127636	109127657	ATGCCAGGATGGAAGGAAGCCA	9739
TJU_CMC.ID09749.3p-miR	14	+	32267636	32267656	TGCAGGCTCTATATTAAATTA	9740
TJU_CMC.ID09750.3p-miR	14	-	69050372	69050394	GAGCTGAGTGCCCACACATGTGT	9741
TJU_CMC.ID09751.3p-miR	14	+	73001914	73001934	CCAGAATGTATAACAAATGCC	9742
TJU_CMC.ID09752.5p-miR	14	-	93515397	93515420	GGCAGTGATGATTGGCCTGAGCCT	9743
TJU_CMC.ID09753.5p-miR	14	-	100069777	100069800	GTGGCGGCGGCGGCGGGGGCGGCG	9744
TJU_CMC.ID09754.3p-miR	14	+	104657532	104657555	CTTGCAGGAGCCAGCTCCGACCTG	9745
TJU_CMC.ID09755.5p-miR	14	-	106331771	106331794	TGGCTGAGCTGAGAACCACTGTGC	9746
TJU_CMC.ID09756.5p-miR	15	-	29761090	29761110	CATATTAATATATTTTTTTTG	9747
TJU_CMC.ID09757.3p-miR	15	+	30237528	30237547	CTAAGAATCACCAGCTGATA	9748
TJU_CMC.ID09758.5p-miR	15	-	33912888	33912907	CGTAACTTGCCCTATGAGAT	9749
TJU_CMC.ID09759.5p-miR	15	+	37392612	37392631	CGGCGGCGGGAGAACGAAAT	9750
TJU_CMC.ID09760.5p-miR	15	-	38099610	38099630	GCTGATGAGGTCAACATAAGT	9751
TJU_CMC.ID09761.3p-miR	15	-	46846163	46846182	ACCTAGTTTTAGTGTTGTGA	9752
TJU_CMC.ID09762.3p-miR	15	-	56657483	56657504	CTCGGCCTTTGCTCGCAGCACT	9753
TJU_CMC.ID09763.5p-miR	15	-	59089737	59089759	TTAATAAAGGTCAAAATAAACAG	9754
TJU_CMC.ID09764.5p-miR	15	-	66927897	66927919	ACCGGACTGGGAGTCAGAAGGCT	9755
TJU_CMC.ID09765.3p-miR	15	+	72818261	72818280	CGTGAGCCACCACGTTCAAT	9756
TJU_CMC.ID09766.3p-miR	15	-	82220687	82220707	TCTTTGGTTATCTTCGACTGC	9757
TJU_CMC.ID09767.3p-miR	15	-	87605426	87605449	GCTTCTAATAGTTCTTGGTGTTTG	9758
TJU_CMC.ID09768.3p-miR	15	+	89043200	89043221	CCTGAATGTACTTAGCACTACT	9759
TJU_CMC.ID09769.3p-miR	15	+	89718759	89718781	AGAAGCATTGTACATTTGATACA	9760
TJU_CMC.ID09770.3p-miR	15	-	101735728	101735751	CCCGGCCAGCTTTTAAATAAAAAA	9761
TJU_CMC.ID09771.3p-miR	16	-	2264780	2264803	GGGCGGCGGCGGCCGGCGGGCGGC	9762
TJU_CMC.ID09772.5p-miR	16	-	10813513	10813535	ACATGATGAAACTTCGGCTCACT	9763
TJU_CMC.ID09773.5p-miR	16	-	28635353	28635375	CGGCGGGCAGATCACTCGAGACC	9764
TJU_CMC.ID09774.5p-miR	16	-	28893213	28893236	GCTGCCCTGCAGATGCTGTCCTGG	9765
TJU_CMC.ID09775.5p-miR	16	+	33965461	33965480	ATGAAGAACGCAGCTAGCTG	9766
TJU_CMC.ID09777.3p-miR	16	-	50113714	50113734	AACATGGAGGAAGTTCCTGAA	9767
TJU_CMC.ID09778.3p-miR	16	-	52830477	52830499	CAGTGAGGGTCTTGTAACAGGGA	9768

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Table 1. Novel miRNA sequences

TJU_CMC.ID09779.3p-miR	16	-	59310048	59310067	TCCTGGATTTGCGGAAGCCA	9769
TJU_CMC.ID09780.5p-miR	16	-	67523607	67523627	TAGCCCAAGCCAAAAGCCAAA	9770
TJU_CMC.ID09781.3p-miR	16	-	67762940	67762963	CTCCAATGATGCCAGGCTGAGGAT	9771
TJU_CMC.ID09782.3p-miR	16	+	68978630	68978651	TGGAATCCCACTTCTGACACCA	9772
TJU_CMC.ID09783.3p-miR	16	-	77384052	77384072	AAGCAGGATTCCCTCTGTAAC	9773
TJU_CMC.ID09784.3p-miR	16	-	80628535	80628557	TCCATATGAGAGACACGCTGTAG	9774
TJU_CMC.ID09785.3p-miR	16	-	80837976	80837999	CGGGCGGCGGCGGCGGGCGGCGGG	9775
TJU_CMC.ID09786.3p-miR	16	-	82850406	82850425	CCCACCCCCCGCCCCCCGAA	9776
TJU_CMC.ID09787.5p-miR	16	+	89193768	89193791	TATTATTATTATTTTGTGTGTGGG	9777
TJU_CMC.ID09788.3p-miR	17	-	1374452	1374473	CAACCCCGGGCTGATCACTACT	9778
TJU_CMC.ID09789.5p-miR	17	+	4613723	4613742	CCCCGCGCGCGGGGGAGGGC	9779
TJU_CMC.ID09790.5p-miR	17	+	5852068	5852090	GCTTAAGACAATAAACATGTTAT	9780
TJU_CMC.ID09791.3p-miR	17	-	8042747	8042769	GAGTTAGCGGGGAGTGATATATT	9781
TJU_CMC.ID09792.3p-miR	17	+	10771589	10771608	CGGGATGACAATCCATAATC	9782
TJU_CMC.ID09793.3p-miR	17	-	22020789	22020809	ATCGCGTGCACACCCCCCAGA	9783
TJU_CMC.ID09794.3p-miR	17	-	27236407	27236427	AGCAGCATCAGCAGCCCCCTGA	9784
TJU_CMC.ID09795.3p-miR	17	+	29021569	29021591	ATTAAAAAAAAATTTTCGCCCGGC	9785
TJU_CMC.ID09796.5p-miR	17	+	29886134	29886155	GCGGGCGTCGCGGCCGGGGGCG	9786
TJU_CMC.ID09797.5p-miR	17	-	31859451	31859474	ACTTTTAATCAAACCCAGTCCTGG	9787
TJU_CMC.ID09798.5p-miR	17	-	33038743	33038762	CCTGAGCAGCATTAGCCAGC	9788
TJU_CMC.ID09799.3p-miR	17	+	37881869	37881891	GCCATGATGCTAGACTCCTGAGC	9789
TJU_CMC.ID09800.3p-miR	17	+	49663244	49663263	AGCATTGGACTGTAGCACCA	9790
TJU_CMC.ID09801.5p-miR	17	+	57679896	57679916	CAAAAGAGACCTTTGAAGGCC	9791
TJU_CMC.ID09802.3p-miR	17	+	57750296	57750317	TGGAATGTAACAGGACATGTAT	9792
TJU_CMC.ID09803.5p-miR	17	-	62336564	62336586	ACTAGACTTGGAGTCAGAAGGCT	9793
TJU_CMC.ID09804.3p-miR	17	-	65822073	65822093	GGGGGGCCGGCGGCGGCGGCG	9794
TJU_CMC.ID09805.3p-miR	17	+	70587967	70587986	AGTAACGGAGCCCGGAGGGC	9795
TJU_CMC.ID09806.5p-miR	17	+	75955301	75955320	CGCCACCGGAGCCCCGCGGA	9796
TJU_CMC.ID09807.3p-miR	17	-	76277494	76277513	CTTCCCGACCTTCGCCCCAG	9797
TJU_CMC.ID09808.5p-miR	17	-	77851253	77851273	ACTGAGACTTGGCCAGAGAAA	9798
TJU_CMC.ID09809.5p-miR	17	-	79583448	79583467	TACTCTTCTACATTTGGATT	9799

Table 1. Novel miRNA sequences

TJU_CMC.ID09810.3p-miR	17	-	80626111	80626134	ATCAGCGTGCACTTCCCCACCCTG	9800
TJU_CMC.ID09811.5p-miR	17	-	81037657	81037677	TCCGCCGCCCGGCCCCGCGTC	9801
TJU_CMC.ID09812.5p-miR	18	-	14692423	14692445	AGACGAGACCAAGCTGAGGGAAG	9802
TJU_CMC.ID09813.3p-miR	18	+	25185170	25185191	TTAAGTACATTAACAGGCATGG	9803
TJU_CMC.ID09814.3p-miR	18	+	28068836	28068855	TGAAGCATTGGACTGTAAAA	9804
TJU_CMC.ID09815.5p-miR	18	+	40180374	40180394	ATAATAATAGTCTCAAGTATG	9805
TJU_CMC.ID09816.3p-miR	18	+	62217991	62218012	TTGTAGACAGAGAGTAAAAAAT	9806
TJU_CMC.ID09817.5p-miR	18	-	67570065	67570084	CATCATTTCTAATTAGCTAG	9807
TJU_CMC.ID09818.5p-miR	18	-	73479938	73479959	AAGATATTTGCCCATTATTTTT	9808
TJU_CMC.ID09819.3p-miR	18	-	76147953	76147972	GGAACATGTACCTCATTGAG	9809
TJU_CMC.ID09820.5p-miR	19	+	917575	917598	TGTGGCGCCAACGCCTCGGACGGC	9810
TJU_CMC.ID09821.5p-miR	19	-	2163735	2163754	CCTCGGTTGCCCTCGGCCGA	9811
TJU_CMC.ID09822.3p-miR	19	-	10468594	10468616	ACCTCTGACCTTGGCCTCCCAGA	9812
TJU_CMC.ID09823.3p-miR	19	-	15563709	15563728	GGCCGGTGATGACGCTGAGC	9813
TJU_CMC.ID09824.3p-miR	19	+	21623443	21623464	TCTGCTCCTGGCTGGCTCGCCA	9814
TJU_CMC.ID09825.5p-miR	19	+	28405629	28405649	TATTATTATTGAGACAGTATA	9815
TJU_CMC.ID09826.5p-miR	19	-	29282335	29282355	ACCCAAGAACAGGGTGCTGGG	9816
TJU_CMC.ID09827.5p-miR	19	-	31211041	31211060	TCCTCCCAGCGGTGCCTCCA	9817
TJU_CMC.ID09828.3p-miR	19	+	36900105	36900128	AAACATGAGATCTTATGATATACT	9818
TJU_CMC.ID09829.3p-miR	19	+	38534305	38534327	TTTACTGTTGCTACTATTACTAG	9819
TJU_CMC.ID09830.5p-miR	19	+	41049428	41049447	CTGCACTACAGAACTTTGAA	9820
TJU_CMC.ID09831.3p-miR	19	+	44037646	44037668	CCGCCCCCGGGGAGGGGCCGTCC	9821
TJU_CMC.ID09832.5p-miR	20	-	3913062	3913081	TGGTCAAAATAGGCCATTTC	9822
TJU_CMC.ID09833.3p-miR	20	+	7050897	7050920	ACCCCTATGATGATATAAAGCTGA	9823
TJU_CMC.ID09834.5p-miR	20	+	7179538	7179561	GTTGGCTATATATAAGATAAGATT	9824
TJU_CMC.ID09835.5p-miR	20	+	21290922	21290945	CTTATCAGAGATCATATTTAATTT	9825
TJU_CMC.ID09836.5p-miR	20	+	22116001	22116020	ATGAGATGGTATATATATGA	9826
TJU_CMC.ID09837.5p-miR	20	+	32273899	32273922	GGCCGGCGGCGGGCGCCGCGGGGC	9827
TJU_CMC.ID09838.3p-miR	20	-	33960396	33960418	GTTCCGGATTACAGGCGTGAGCC	9828

Table 1. Novel miRNA sequences

TJU_CMC.ID09839.3p-miR	20	+	36251417	36251440	GTCCTGGGAGGAGGAGGGGGCAGA	9829
TJU_CMC.ID09840.3p-miR	20	-	46773487	46773508	TAGCCAAGGCTCTTTAGCCAAT	9830
TJU_CMC.ID09841.3p-miR	20	+	60533863	60533882	GAAGGGTATTTGGCTTGTCT	9831
TJU_CMC.ID09842.5p-miR	20	-	61992758	61992780	GCTCCCCCTCCTCCCCCCTCCCC	9832
TJU_CMC.ID09843.5p-miR	21	-	45285033	45285054	CCTCGGCCGCGCCGCCGCCGCC	9833
TJU_CMC.ID09844.3p-miR	22	-	18026305	18026325	AACATAGCTCAGGCTACTTGA	9834
TJU_CMC.ID09845.3p-miR	22	-	29600659	29600682	CCATAGGCAGGCAGGCAGGCAGGA	9835
TJU_CMC.ID09846.3p-miR	22	-	29702966	29702985	CCTGCCCGGAGGGGGCGGGC	9836
TJU_CMC.ID09847.5p-miR	22	+	38135116	38135136	ATGTACCCAGTCAGCCAGGCC	9837
TJU_CMC.ID09848.3p-miR	22	-	42002905	42002926	CTGAATGATGAGGGCTCTGAGA	9838
TJU_CMC.ID09849.5p-miR	22	+	42267326	42267347	TCCTGCTGATGACTTCTGAAGG	9839
TJU_CMC.ID09850.3p-miR	22	-	44580903	44580922	AGGCGAATGAATGAATGAAG	9840
TJU_CMC.ID09851.5p-miR	22	+	48490217	48490239	TTTAATAAGCTCCCTTCCCCCCA	9841
TJU_CMC.ID09852.5p-miR	X	-	3552875	3552896	TAGCTGAGCATGATGGTACACG	9842
TJU_CMC.ID09853.3p-miR	X	-	9286310	9286329	ACGAAGCCCCTTTCTGATTT	9843
TJU_CMC.ID09854.5p-miR	X	-	15885038	15885060	CCCAGCGGATATTTTTTATTTTT	9844
TJU_CMC.ID09855.5p-miR	X	-	20009078	20009101	CCCGAGGGGCCGGCGGCGGCGGCG	9845
TJU_CMC.ID09856.3p-miR	X	+	48846795	48846816	CCAGGTCCTAAGATAAGAGCCA	9846
TJU_CMC.ID09857.3p-miR	X	-	49048220	49048240	CGAGCCTTGTCTCCCTGCAGG	9847
TJU_CMC.ID09858.3p-miR	X	+	65921827	65921850	CCTCTCCCACATTTTCTCGTATGC	9848
TJU_CMC.ID09859.5p-miR	X	+	68477522	68477544	GGAAATCTGGCAGCACAGACAGG	9849
TJU_CMC.ID09860.5p-miR	X	-	75367751	75367773	CAGGTCTCACAGCTGAACAGGGA	9850
TJU_CMC.ID09861.5p-miR	X	+	77010045	77010068	TCCGTAAAGGATTTTATTCCTCCT	9851
TJU_CMC.ID09862.3p-miR	X	-	96181730	96181753	CAACATGAGATGCATATATATCCT	9852
TJU_CMC.ID09863.3p-miR	X	+	111650495	111650514	GCCCAGTGCTCTGAAGGGGA	9853
TJU_CMC.ID09864.5p-miR	X	+	113887130	113887151	AGGTCCTCAATAAGTATTTGTT	9854
TJU_CMC.ID09865.3p-miR	X	-	134117869	134117888	CTAGCTAGTTCCCTCAGCCC	9855
TJU_CMC.ID09866.5p-miR	X	+	145109325	145109345	ACAACAAACATGTGCCACTGA	9856
TJU_CMC.ID09867.5p-miR	X	+	147575528	147575548	CTGTTACAATCCAGGCCAACT	9857

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Table 1. Novel miRNA sequences

TJU_CMC.ID09868.5p-miR	Y	-	15357111	15357134	TTGCTGTGATGTTAACCTGAGCAG	9858
TJU_CMC.ID09869.5p-miR	Y	+	15840473	15840496	GTGATGACCTCAGACCTGAGGCCC	9859
TJU_CMC.ID00537.3p-miR	1	-	160312275	160312296	GTTGCTTACCAGAAGTTCAAAT	9860
TJU_CMC.ID01082.3p-miR	2	-	74766443	74766464	CAGTTCAATGGTGTTCAGCAGA	9861
TJU_CMC.ID02222.5p-miR	3	+	186505088	186505111	AAAGCAGGATTCAGACTACAATAT	9862
TJU_CMC.ID02387.3p-miR	4	+	41617312	41617331	ACCAGCTTTGGGGGGTTCAG	9863
TJU_CMC.ID03379.5p-miR	6	-	10662279	10662298	ATCCCACCGCTGCCAAAAGG	9864
TJU_CMC.ID05612.5p-miR	10	-	120819562	120819584	ATTGAAGGCTAATTAGCAGTATA	9865
TJU_CMC.ID05998.5p-miR	11	-	93463722	93463743	GTTCTCTATAGGAAGCCATAGC	9866
TJU_CMC.ID06410.3p-miR	12	+	95841407	95841426	CCTCACACGGGGCACCAATT	9867
TJU_CMC.ID06656.5p-miR	13	-	45911720	45911743	TGCATCCACTGATAGACCTTGAAC	9868
TJU_CMC.ID07310.3p-miR	15	-	66639616	66639637	CAACCATAGACAGTCACACACA	9869
TJU_CMC.ID07370.3p-miR	15	+	83424800	83424820	AGACCTACTTATCTACCAACA	9870
TJU_CMC.ID07370.5p-miR	15	+	83424761	83424782	AAGGTAGATAGAACAGGTCTTG	9871
TJU_CMC.ID07772.3p-miR	17	+	16353854	16353875	TGTCACTCTTGTGTGTTGCAGA	9872
TJU_CMC.ID07948.3p-miR	17	-	73202534	73202554	TGACCTGTGCTTTTTCCCGGT	9873

Table 1. Novel miRNA sequences

TJU_CMC.ID08915.3p-miR	22	-	32744121	32744144	TCCCTGTCCTCCAGGAGCTCACCC	9874
TJU_CMC.ID09505.5p-miR	1	-	173834893	173834912	TTGGCTGATGAATACTGACT	9875
TJU_CMC.ID09683.5p-miR	9	-	139902018	139902038	TGCCCGGCCTCGGAACCAGCT	9876
TJU_CMC.ID09776.5p-miR	16	+	33965561	33965580	TGCCTGTCTGAGCGTCGCTT	9877

Table 1. Novel miRNA sequences

Hairpin Label	SEQ ID NO:	Hairpin Coordinates				
TJU_CMC.ID00001.hairpin	9878	1	+	888672	888742	
TJU_CMC.ID00002.hairpin	9879	1	-	1016388	1016458	
TJU_CMC.ID00003.hairpin	9880	1	-	1063590	1063662	
TJU_CMC.ID00004.hairpin	9881	1	-	1102493	1102565	
TJU_CMC.ID00005.hairpin	9882	1	-	1183062	1183134	
TJU_CMC.ID00006.hairpin	9883	1	+	1262299	1262371	
TJU_CMC.ID00007.hairpin	9884	1	-	1364986	1365056	
TJU_CMC.ID00008.hairpin	9885	1	-	1494208	1494280	
TJU_CMC.ID00009.hairpin	9886	1	-	1828651	1828722	
TJU_CMC.ID00010.hairpin	9887	1	+	1840183	1840252	
TJU_CMC.ID00011.hairpin	9888	1	+	1990969	1991039	
TJU_CMC.ID00012.hairpin	9889	1	-	2086090	2086162	
TJU_CMC.ID00013.hairpin	9890	1	+	2158875	2158945	
TJU_CMC.ID00014.hairpin	9891	1	-	2267902	2267975	
TJU_CMC.ID00015.hairpin	9892	1	-	2813174	2813243	
TJU_CMC.ID00016.hairpin	9893	1	+	2837057	2837128	
TJU_CMC.ID00017.hairpin	9894	1	-	2929202	2929273	
TJU_CMC.ID00018.hairpin	9895	1	-	3019888	3019957	
TJU_CMC.ID00019.hairpin	9896	1	+	3211156	3211225	
TJU_CMC.ID00020.hairpin	9897	1	+	3259417	3259489	
TJU_CMC.ID00021.hairpin	9898	1	-	3495303	3495373	
TJU_CMC.ID00022.hairpin	9899	1	-	3731038	3731108	
TJU_CMC.ID00023.hairpin	9900	1	-	3766776	3766849	
TJU_CMC.ID00024.hairpin	9901	1	+	4236895	4236966	
TJU_CMC.ID00025.hairpin	9902	1	+	4399541	4399612	
TJU_CMC.ID00026.hairpin	9903	1	+	4405937	4406010	

Table 1. Novel miRNA sequences

TJU_CMC.ID00027.hairpin	9904	1	-	4459599	4459670
TJU_CMC.ID00028.hairpin	9905	1	+	5211230	5211299
TJU_CMC.ID00029.hairpin	9906	1	-	5508645	5508715
TJU_CMC.ID00030.hairpin	9907	1	-	5559883	5559954
TJU_CMC.ID00031.hairpin	9908	1	-	5598576	5598648
TJU_CMC.ID00032.hairpin	9909	1	-	5662529	5662600
TJU_CMC.ID00033.hairpin	9910	1	-	5676892	5676963
TJU_CMC.ID00034.hairpin	9911	1	+	5719845	5719914
TJU_CMC.ID00035.hairpin	9912	1	+	5759853	5759923
TJU_CMC.ID00036.hairpin	9913	1	+	6126310	6126383
TJU_CMC.ID00037.hairpin	9914	1	+	6136415	6136486
TJU_CMC.ID00038.hairpin	9915	1	-	6182233	6182305
TJU_CMC.ID00039.hairpin	9916	1	+	6247036	6247108
TJU_CMC.ID00040.hairpin	9917	1	-	6620965	6621037
TJU_CMC.ID00041.hairpin	9918	1	-	6910912	6910983
TJU_CMC.ID00042.hairpin	9919	1	-	7181853	7181926
TJU_CMC.ID00043.hairpin	9920	1	+	7455337	7455406
TJU_CMC.ID00044.hairpin	9921	1	-	7508057	7508128
TJU_CMC.ID00045.hairpin	9922	1	-	7670876	7670948
TJU_CMC.ID00046.hairpin	9923	1	-	7831431	7831503
TJU_CMC.ID00047.hairpin	9924	1	+	8138316	8138386
TJU_CMC.ID00048.hairpin	9925	1	+	8156878	8156949
TJU_CMC.ID00049.hairpin	9926	1	+	8409652	8409723
TJU_CMC.ID00050.hairpin	9927	1	-	8449893	8449965
TJU_CMC.ID00051.hairpin	9928	1	-	8906402	8906473
TJU_CMC.ID00052.hairpin	9929	1	+	9267501	9267573
TJU_CMC.ID00053.hairpin	9930	1	+	9431632	9431702
TJU_CMC.ID00054.hairpin	9931	1	+	9692409	9692479
TJU_CMC.ID00055.hairpin	9932	1	-	9779291	9779362
TJU_CMC.ID00056.hairpin	9933	1	-	9864625	9864696
TJU_CMC.ID00057.hairpin	9934	1	+	10381917	10381989

Table 1. Novel miRNA sequences

TJU_CMC.ID00058.hairpin	9935	1	+	10400750	10400823
TJU_CMC.ID00059.hairpin	9936	1	+	10494441	10494512
TJU_CMC.ID00060.hairpin	9937	1	+	10900602	10900673
TJU_CMC.ID00061.hairpin	9938	1	-	10921395	10921467
TJU_CMC.ID00062.hairpin	9939	1	+	10997934	10998003
TJU_CMC.ID00063.hairpin	9940	1	+	11010799	11010872
TJU_CMC.ID00064.hairpin	9941	1	-	11087545	11087617
TJU_CMC.ID00065.hairpin	9942	1	+	11222368	11222437
TJU_CMC.ID00066.hairpin	9943	1	+	11316068	11316138
TJU_CMC.ID00067.hairpin	9944	1	-	11764308	11764377
TJU_CMC.ID00068.hairpin	9945	1	+	11828183	11828255
TJU_CMC.ID00069.hairpin	9946	1	-	11968853	11968924
TJU_CMC.ID00070.hairpin	9947	1	+	11979016	11979085
TJU_CMC.ID00071.hairpin	9948	1	-	12072115	12072184
TJU_CMC.ID00072.hairpin	9949	1	+	12186294	12186367
TJU_CMC.ID00073.hairpin	9950	1	+	12188109	12188181
TJU_CMC.ID00074.hairpin	9951	1	+	12364669	12364738
TJU_CMC.ID00075.hairpin	9952	1	+	12513833	12513904
TJU_CMC.ID00076.hairpin	9953	1	+	12571822	12571893
TJU_CMC.ID00077.hairpin	9954	1	-	13964415	13964487
TJU_CMC.ID00078.hairpin	9955	1	+	14230923	14230994
TJU_CMC.ID00079.hairpin	9956	1	-	14673108	14673177
TJU_CMC.ID00080.hairpin	9957	1	+	14694805	14694876
TJU_CMC.ID00081.hairpin	9958	1	+	14924940	14925013
TJU_CMC.ID00082.hairpin	9959	1	+	14981854	14981924
TJU_CMC.ID00083.hairpin	9960	1	+	15027235	15027306
TJU_CMC.ID00084.hairpin	9961	1	+	15513221	15513292
TJU_CMC.ID00085.hairpin	9962	1	-	15545203	15545274
TJU_CMC.ID00086.hairpin	9963	1	+	15597997	15598068
TJU_CMC.ID00087.hairpin	9964	1	+	15637556	15637627
TJU_CMC.ID00088.hairpin	9965	1	+	15639461	15639533

Table 1. Novel miRNA sequences

TJU_CMC.ID00089.hairpin	9966	1	-	15673622	15673694
TJU_CMC.ID00090.hairpin	9967	1	+	15738803	15738873
TJU_CMC.ID00091.hairpin	9968	1	-	15939433	15939504
TJU_CMC.ID00092.hairpin	9969	1	+	16009904	16009977
TJU_CMC.ID00093.hairpin	9970	1	-	16022667	16022738
TJU_CMC.ID00094.hairpin	9971	1	+	16121971	16122040
TJU_CMC.ID00095.hairpin	9972	1	+	16134905	16134975
TJU_CMC.ID00096.hairpin	9973	1	-	16319964	16320035
TJU_CMC.ID00097.hairpin	9974	1	+	16333549	16333622
TJU_CMC.ID00098.hairpin	9975	1	+	16483630	16483702
TJU_CMC.ID00099.hairpin	9976	1	+	16712314	16712383
TJU_CMC.ID00100.hairpin	9977	1	+	17250554	17250625
TJU_CMC.ID00101.hairpin	9978	1	-	17473626	17473695
TJU_CMC.ID00102.hairpin	9979	1	+	18312379	18312449
TJU_CMC.ID00103.hairpin	9980	1	+	18328727	18328799
TJU_CMC.ID00104.hairpin	9981	1	+	18581082	18581153
TJU_CMC.ID00105.hairpin	9982	1	-	18630565	18630636
TJU_CMC.ID00106.hairpin	9983	1	-	18637366	18637437
TJU_CMC.ID00107.hairpin	9984	1	+	18661389	18661459
TJU_CMC.ID00108.hairpin	9985	1	+	18766374	18766444
TJU_CMC.ID00109.hairpin	9986	1	-	18805425	18805496
TJU_CMC.ID00110.hairpin	9987	1	-	19239785	19239857
TJU_CMC.ID00111.hairpin	9988	1	-	19388852	19388923
TJU_CMC.ID00112.hairpin	9989	1	+	19684636	19684707
TJU_CMC.ID00113.hairpin	9990	1	-	19705047	19705118
TJU_CMC.ID00114.hairpin	9991	1	+	19706702	19706771
TJU_CMC.ID00115.hairpin	9992	1	-	20102857	20102929
TJU_CMC.ID00116.hairpin	9993	1	-	20760042	20760114
TJU_CMC.ID00117.hairpin	9994	1	-	20930333	20930405
TJU_CMC.ID00118.hairpin	9995	1	+	20931305	20931375
TJU_CMC.ID00119.hairpin	9996	1	+	20987237	20987309

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TJU_CMC.ID00120.hairpin	9997	1	-	21231765	21231836
TJU_CMC.ID00121.hairpin	9998	1	-	21415661	21415732
TJU_CMC.ID00122.hairpin	9999	1	+	21754894	21754963
TJU_CMC.ID00123.hairpin	10000	1	-	21801217	21801290
TJU_CMC.ID00124.hairpin	10001	1	-	21931045	21931115
TJU_CMC.ID00125.hairpin	10002	1	+	21940832	21940903
TJU_CMC.ID00126.hairpin	10003	1	+	22112477	22112550
TJU_CMC.ID00127.hairpin	10004	1	-	22165830	22165899
TJU_CMC.ID00128.hairpin	10005	1	+	22441103	22441176
TJU_CMC.ID00129.hairpin	10006	1	-	22893724	22893794
TJU_CMC.ID00130.hairpin	10007	1	+	22978859	22978929
TJU_CMC.ID00131.hairpin	10008	1	+	23412032	23412103
TJU_CMC.ID00132.hairpin	10009	1	-	23639662	23639735
TJU_CMC.ID00133.hairpin	10010	1	+	24197302	24197374
TJU_CMC.ID00134.hairpin	10011	1	-	24197309	24197379
TJU_CMC.ID00135.hairpin	10012	1	-	24256259	24256328
TJU_CMC.ID00136.hairpin	10013	1	+	24514214	24514284
TJU_CMC.ID00137.hairpin	10014	1	+	24634618	24634690
TJU_CMC.ID00138.hairpin	10015	1	-	24907215	24907287
TJU_CMC.ID00139.hairpin	10016	1	+	25345072	25345143
TJU_CMC.ID00140.hairpin	10017	1	+	25370116	25370187
TJU_CMC.ID00141.hairpin	10018	1	+	25832192	25832265
TJU_CMC.ID00142.hairpin	10019	1	-	26196315	26196386
TJU_CMC.ID00143.hairpin	10020	1	-	26473851	26473924
TJU_CMC.ID00144.hairpin	10021	1	-	26583963	26584034
TJU_CMC.ID00145.hairpin	10022	1	-	26883975	26884044
TJU_CMC.ID00146.hairpin	10023	1	-	27286379	27286448
TJU_CMC.ID00147.hairpin	10024	1	-	27381407	27381477
TJU_CMC.ID00148.hairpin	10025	1	-	27902363	27902436
TJU_CMC.ID00149.hairpin	10026	1	+	28305137	28305209
TJU_CMC.ID00150.hairpin	10027	1	+	28395996	28396068

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TJU_CMC.ID00151.hairpin	10028	1	+	28891078	28891149	
TJU_CMC.ID00152.hairpin	10029	1	+	28975192	28975263	
TJU_CMC.ID00153.hairpin	10030	1	-	28985933	28986004	
TJU_CMC.ID00154.hairpin	10031	1	-	29606773	29606845	
TJU_CMC.ID00155.hairpin	10032	1	-	29821538	29821610	
TJU_CMC.ID00156.hairpin	10033	1	+	30041463	30041532	
TJU_CMC.ID00157.hairpin	10034	1	+	30218462	30218533	
TJU_CMC.ID00158.hairpin	10035	1	-	30351617	30351690	
TJU_CMC.ID00159.hairpin	10036	1	+	30442864	30442934	
TJU_CMC.ID00160.hairpin	10037	1	+	30504210	30504280	
TJU_CMC.ID00161.hairpin	10038	1	+	30545272	30545343	
TJU_CMC.ID00162.hairpin	10039	1	+	30757137	30757210	
TJU_CMC.ID00163.hairpin	10040	1	-	30885723	30885792	
TJU_CMC.ID00164.hairpin	10041	1	+	31386854	31386926	
TJU_CMC.ID00165.hairpin	10042	1	+	31540696	31540768	
TJU_CMC.ID00166.hairpin	10043	1	+	32069943	32070014	
TJU_CMC.ID00167.hairpin	10044	1	-	32114760	32114833	
TJU_CMC.ID00168.hairpin	10045	1	+	32237624	32237697	
TJU_CMC.ID00169.hairpin	10046	1	+	32447581	32447653	
TJU_CMC.ID00170.hairpin	10047	1	+	32546462	32546531	
TJU_CMC.ID00171.hairpin	10048	1	+	32801544	32801614	
TJU_CMC.ID00172.hairpin	10049	1	+	32802831	32802902	
TJU_CMC.ID00173.hairpin	10050	1	+	32981905	32981976	
TJU_CMC.ID00174.hairpin	10051	1	+	33633892	33633963	
TJU_CMC.ID00175.hairpin	10052	1	-	33717015	33717088	
TJU_CMC.ID00176.hairpin	10053	1	-	34365019	34365092	
TJU_CMC.ID00177.hairpin	10054	1	+	34469641	34469713	
TJU_CMC.ID00178.hairpin	10055	1	+	34683823	34683893	
TJU_CMC.ID00179.hairpin	10056	1	+	34925676	34925747	
TJU_CMC.ID00180.hairpin	10057	1	-	34932282	34932354	
TJU_CMC.ID00181.hairpin	10058	1	+	35101571	35101641	

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TJU_CMC.ID00182.hairpin	10059	1	-	35104189	35104258
TJU_CMC.ID00183.hairpin	10060	1	+	35247482	35247552
TJU_CMC.ID00184.hairpin	10061	1	+	37061353	37061424
TJU_CMC.ID00185.hairpin	10062	1	+	37822595	37822667
TJU_CMC.ID00186.hairpin	10063	1	+	38010178	38010249
TJU_CMC.ID00187.hairpin	10064	1	+	38070882	38070954
TJU_CMC.ID00188.hairpin	10065	1	-	38070889	38070959
TJU_CMC.ID00189.hairpin	10066	1	+	38511196	38511267
TJU_CMC.ID00190.hairpin	10067	1	-	38541399	38541468
TJU_CMC.ID00191.hairpin	10068	1	-	39023540	39023612
TJU_CMC.ID00192.hairpin	10069	1	-	39194810	39194880
TJU_CMC.ID00193.hairpin	10070	1	+	39403171	39403242
TJU_CMC.ID00194.hairpin	10071	1	-	40093213	40093282
TJU_CMC.ID00195.hairpin	10072	1	+	40100942	40101015
TJU_CMC.ID00196.hairpin	10073	1	+	40254256	40254329
TJU_CMC.ID00197.hairpin	10074	1	-	40802923	40802995
TJU_CMC.ID00198.hairpin	10075	1	-	40873659	40873728
TJU_CMC.ID00199.hairpin	10076	1	+	41087364	41087434
TJU_CMC.ID00200.hairpin	10077	1	-	41245203	41245272
TJU_CMC.ID00201.hairpin	10078	1	+	41316504	41316574
TJU_CMC.ID00202.hairpin	10079	1	+	41322670	41322739
TJU_CMC.ID00203.hairpin	10080	1	+	41681494	41681565
TJU_CMC.ID00204.hairpin	10081	1	+	41960752	41960821
TJU_CMC.ID00205.hairpin	10082	1	+	42025487	42025556
TJU_CMC.ID00206.hairpin	10083	1	-	42182806	42182877
TJU_CMC.ID00207.hairpin	10084	1	-	42447095	42447167
TJU_CMC.ID00208.hairpin	10085	1	-	42641390	42641461
TJU_CMC.ID00209.hairpin	10086	1	-	43024555	43024626
TJU_CMC.ID00210.hairpin	10087	1	-	43220771	43220843
TJU_CMC.ID00211.hairpin	10088	1	-	43399002	43399073
TJU_CMC.ID00212.hairpin	10089	1	+	43812171	43812244

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TJU_CMC.ID00213.hairpin	10090	1	+	43969328	43969399
TJU_CMC.ID00214.hairpin	10091	1	-	44057881	44057951
TJU_CMC.ID00215.hairpin	10092	1	+	44161571	44161643
TJU_CMC.ID00216.hairpin	10093	1	+	44280474	44280546
TJU_CMC.ID00217.hairpin	10094	1	-	44412538	44412608
TJU_CMC.ID00218.hairpin	10095	1	-	44466353	44466425
TJU_CMC.ID00219.hairpin	10096	1	+	44604549	44604618
TJU_CMC.ID00220.hairpin	10097	1	+	44716222	44716294
TJU_CMC.ID00221.hairpin	10098	1	+	44804512	44804583
TJU_CMC.ID00222.hairpin	10099	1	-	45187179	45187250
TJU_CMC.ID00223.hairpin	10100	1	+	45241522	45241592
TJU_CMC.ID00224.hairpin	10101	1	-	45349959	45350032
TJU_CMC.ID00225.hairpin	10102	1	+	45816626	45816696
TJU_CMC.ID00226.hairpin	10103	1	+	45821898	45821970
TJU_CMC.ID00227.hairpin	10104	1	-	46151944	46152016
TJU_CMC.ID00228.hairpin	10105	1	-	46250635	46250707
TJU_CMC.ID00229.hairpin	10106	1	+	46357642	46357714
TJU_CMC.ID00230.hairpin	10107	1	+	46645984	46646057
TJU_CMC.ID00231.hairpin	10108	1	-	46649948	46650021
TJU_CMC.ID00232.hairpin	10109	1	+	46669369	46669438
TJU_CMC.ID00233.hairpin	10110	1	+	47693676	47693747
TJU_CMC.ID00234.hairpin	10111	1	+	47946620	47946691
TJU_CMC.ID00235.hairpin	10112	1	+	48191020	48191093
TJU_CMC.ID00236.hairpin	10113	1	+	48283168	48283238
TJU_CMC.ID00237.hairpin	10114	1	+	48465087	48465157
TJU_CMC.ID00238.hairpin	10115	1	-	48785728	48785801
TJU_CMC.ID00239.hairpin	10116	1	-	49129254	49129326
TJU_CMC.ID00240.hairpin	10117	1	+	49199196	49199267
TJU_CMC.ID00241.hairpin	10118	1	-	49215398	49215468
TJU_CMC.ID00242.hairpin	10119	1	-	49282897	49282969
TJU_CMC.ID00243.hairpin	10120	1	+	49664274	49664345

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TJU_CMC.ID00244.hairpin	10121	1	+	51634885	51634956
TJU_CMC.ID00245.hairpin	10122	1	+	51750438	51750509
TJU_CMC.ID00246.hairpin	10123	1	+	51838426	51838499
TJU_CMC.ID00247.hairpin	10124	1	+	51961388	51961461
TJU_CMC.ID00248.hairpin	10125	1	+	52075655	52075726
TJU_CMC.ID00249.hairpin	10126	1	-	52266279	52266351
TJU_CMC.ID00250.hairpin	10127	1	+	52405235	52405307
TJU_CMC.ID00251.hairpin	10128	1	+	52456306	52456379
TJU_CMC.ID00252.hairpin	10129	1	+	52901000	52901072
TJU_CMC.ID00253.hairpin	10130	1	-	53016265	53016336
TJU_CMC.ID00254.hairpin	10131	1	+	53776286	53776359
TJU_CMC.ID00255.hairpin	10132	1	+	54044621	54044691
TJU_CMC.ID00256.hairpin	10133	1	-	54268874	54268947
TJU_CMC.ID00257.hairpin	10134	1	-	54322325	54322396
TJU_CMC.ID00258.hairpin	10135	1	-	54736411	54736482
TJU_CMC.ID00259.hairpin	10136	1	+	54747903	54747975
TJU_CMC.ID00260.hairpin	10137	1	+	54872423	54872492
TJU_CMC.ID00261.hairpin	10138	1	-	55023806	55023878
TJU_CMC.ID00262.hairpin	10139	1	+	55144471	55144543
TJU_CMC.ID00263.hairpin	10140	1	+	55230161	55230230
TJU_CMC.ID00264.hairpin	10141	1	-	55242851	55242923
TJU_CMC.ID00265.hairpin	10142	1	-	55460135	55460206
TJU_CMC.ID00266.hairpin	10143	1	-	55530189	55530259
TJU_CMC.ID00267.hairpin	10144	1	+	55784351	55784423
TJU_CMC.ID00268.hairpin	10145	1	+	55798623	55798693
TJU_CMC.ID00269.hairpin	10146	1	-	55908946	55909017
TJU_CMC.ID00270.hairpin	10147	1	+	56454323	56454396
TJU_CMC.ID00271.hairpin	10148	1	+	56632987	56633057
TJU_CMC.ID00272.hairpin	10149	1	+	56755020	56755091
TJU_CMC.ID00273.hairpin	10150	1	+	57284766	57284837
TJU_CMC.ID00274.hairpin	10151	1	+	57323800	57323869

Table 1. Novel miRNA sequences

TJU_CMC.ID00275.hairpin	10152	1	+	57579536	57579608	
TJU_CMC.ID00276.hairpin	10153	1	-	57646755	57646828	
TJU_CMC.ID00277.hairpin	10154	1	-	57866562	57866633	
TJU_CMC.ID00278.hairpin	10155	1	+	58066748	58066818	
TJU_CMC.ID00279.hairpin	10156	1	+	58746063	58746132	
TJU_CMC.ID00280.hairpin	10157	1	+	58847017	58847089	
TJU_CMC.ID00281.hairpin	10158	1	+	59230388	59230458	
TJU_CMC.ID00282.hairpin	10159	1	-	59348323	59348394	
TJU_CMC.ID00283.hairpin	10160	1	-	59936255	59936328	
TJU_CMC.ID00284.hairpin	10161	1	+	60065782	60065853	
TJU_CMC.ID00285.hairpin	10162	1	-	60163997	60164067	
TJU_CMC.ID00286.hairpin	10163	1	+	60448863	60448934	
TJU_CMC.ID00287.hairpin	10164	1	+	61203536	61203607	
TJU_CMC.ID00288.hairpin	10165	1	-	61372180	61372252	
TJU_CMC.ID00289.hairpin	10166	1	-	61784626	61784696	
TJU_CMC.ID00290.hairpin	10167	1	-	61815950	61816021	
TJU_CMC.ID00291.hairpin	10168	1	-	62266444	62266515	
TJU_CMC.ID00292.hairpin	10169	1	-	62490958	62491031	
TJU_CMC.ID00293.hairpin	10170	1	+	62797542	62797614	
TJU_CMC.ID00294.hairpin	10171	1	-	63349482	63349555	
TJU_CMC.ID00295.hairpin	10172	1	-	63478543	63478612	
TJU_CMC.ID00296.hairpin	10173	1	-	63752052	63752124	
TJU_CMC.ID00297.hairpin	10174	1	+	64193398	64193469	
TJU_CMC.ID00298.hairpin	10175	1	-	64273130	64273201	
TJU_CMC.ID00299.hairpin	10176	1	-	64287594	64287665	
TJU_CMC.ID00300.hairpin	10177	1	+	64339604	64339675	
TJU_CMC.ID00301.hairpin	10178	1	-	64736168	64736239	
TJU_CMC.ID00302.hairpin	10179	1	-	64802856	64802928	
TJU_CMC.ID00303.hairpin	10180	1	+	64902831	64902904	
TJU_CMC.ID00304.hairpin	10181	1	-	64970461	64970532	
TJU_CMC.ID00305.hairpin	10182	1	+	64984429	64984500	

Table 1. Novel miRNA sequences

TJU_CMC.ID00306.hairpin	10183	1	+	65319050	65319120
TJU_CMC.ID00307.hairpin	10184	1	+	65343332	65343405
TJU_CMC.ID00308.hairpin	10185	1	+	65712386	65712455
TJU_CMC.ID00309.hairpin	10186	1	-	66627685	66627757
TJU_CMC.ID00310.hairpin	10187	1	+	67231584	67231653
TJU_CMC.ID00311.hairpin	10188	1	-	68661651	68661724
TJU_CMC.ID00312.hairpin	10189	1	+	68944844	68944916
TJU_CMC.ID00313.hairpin	10190	1	-	69013170	69013241
TJU_CMC.ID00314.hairpin	10191	1	+	69524381	69524451
TJU_CMC.ID00315.hairpin	10192	1	-	69648893	69648964
TJU_CMC.ID00316.hairpin	10193	1	-	69732005	69732077
TJU_CMC.ID00317.hairpin	10194	1	+	70204856	70204927
TJU_CMC.ID00318.hairpin	10195	1	-	70226822	70226894
TJU_CMC.ID00319.hairpin	10196	1	-	70232679	70232752
TJU_CMC.ID00320.hairpin	10197	1	-	70887039	70887110
TJU_CMC.ID00321.hairpin	10198	1	+	70945043	70945113
TJU_CMC.ID00322.hairpin	10199	1	+	71621293	71621364
TJU_CMC.ID00323.hairpin	10200	1	-	71827220	71827291
TJU_CMC.ID00324.hairpin	10201	1	+	72352932	72353001
TJU_CMC.ID00325.hairpin	10202	1	+	74067681	74067754
TJU_CMC.ID00326.hairpin	10203	1	-	74111522	74111593
TJU_CMC.ID00327.hairpin	10204	1	-	74897730	74897799
TJU_CMC.ID00328.hairpin	10205	1	+	75036839	75036909
TJU_CMC.ID00329.hairpin	10206	1	-	75205625	75205694
TJU_CMC.ID00330.hairpin	10207	1	-	75555977	75556050
TJU_CMC.ID00331.hairpin	10208	1	+	75754999	75755071
TJU_CMC.ID00332.hairpin	10209	1	-	76945663	76945734
TJU_CMC.ID00333.hairpin	10210	1	-	77561239	77561308
TJU_CMC.ID00334.hairpin	10211	1	-	78132881	78132952
TJU_CMC.ID00335.hairpin	10212	1	-	79765575	79765647
TJU_CMC.ID00336.hairpin	10213	1	+	80472670	80472741

Table 1. Novel miRNA sequences

TJU_CMC.ID00337.hairpin	10214	1	+	80695642		80695711
TJU_CMC.ID00338.hairpin	10215	1	+	81845306		81845378
TJU_CMC.ID00339.hairpin	10216	1	-	82807054		82807124
TJU_CMC.ID00340.hairpin	10217	1	+	83028196		83028267
TJU_CMC.ID00341.hairpin	10218	1	+	83108601		83108670
TJU_CMC.ID00342.hairpin	10219	1	-	83339865		83339938
TJU_CMC.ID00343.hairpin	10220	1	+	83413104		83413175
TJU_CMC.ID00344.hairpin	10221	1	+	84160446		84160515
TJU_CMC.ID00345.hairpin	10222	1	+	84187509		84187579
TJU_CMC.ID00346.hairpin	10223	1	-	84705521		84705594
TJU_CMC.ID00347.hairpin	10224	1	+	84763675		84763747
TJU_CMC.ID00348.hairpin	10225	1	-	85061454		85061526
TJU_CMC.ID00349.hairpin	10226	1	+	85066261		85066333
TJU_CMC.ID00350.hairpin	10227	1	+	85321420		85321491
TJU_CMC.ID00351.hairpin	10228	1	+	85483415		85483488
TJU_CMC.ID00352.hairpin	10229	1	-	85486794		85486867
TJU_CMC.ID00353.hairpin	10230	1	-	85755807		85755878
TJU_CMC.ID00354.hairpin	10231	1	-	85858132		85858201
TJU_CMC.ID00355.hairpin	10232	1	-	86962695		86962768
TJU_CMC.ID00356.hairpin	10233	1	+	87170942		87171011
TJU_CMC.ID00357.hairpin	10234	1	-	87748437		87748508
TJU_CMC.ID00358.hairpin	10235	1	+	88285223		88285296
TJU_CMC.ID00359.hairpin	10236	1	+	88414854		88414927
TJU_CMC.ID00360.hairpin	10237	1	+	89030628		89030698
TJU_CMC.ID00361.hairpin	10238	1	-	89034422		89034493
TJU_CMC.ID00362.hairpin	10239	1	+	89365678		89365750
TJU_CMC.ID00363.hairpin	10240	1	-	89668911		89668981
TJU_CMC.ID00364.hairpin	10241	1	+	89763348		89763419
TJU_CMC.ID00365.hairpin	10242	1	-	90155976		90156046
TJU_CMC.ID00366.hairpin	10243	1	+	90172150		90172222
TJU_CMC.ID00367.hairpin	10244	1	+	90621658		90621729

Table 1. Novel miRNA sequences

TJU_CMC.ID00368.hairpin	10245	1	-	90668325	90668394
TJU_CMC.ID00369.hairpin	10246	1	-	90873234	90873305
TJU_CMC.ID00370.hairpin	10247	1	-	91086597	91086669
TJU_CMC.ID00371.hairpin	10248	1	-	91561265	91561334
TJU_CMC.ID00372.hairpin	10249	1	+	91980354	91980426
TJU_CMC.ID00373.hairpin	10250	1	-	92212745	92212816
TJU_CMC.ID00374.hairpin	10251	1	+	92218188	92218259
TJU_CMC.ID00375.hairpin	10252	1	-	92431337	92431408
TJU_CMC.ID00376.hairpin	10253	1	-	92935316	92935389
TJU_CMC.ID00377.hairpin	10254	1	+	93862076	93862145
TJU_CMC.ID00378.hairpin	10255	1	-	94061704	94061776
TJU_CMC.ID00379.hairpin	10256	1	+	94223336	94223406
TJU_CMC.ID00380.hairpin	10257	1	-	94361199	94361270
TJU_CMC.ID00381.hairpin	10258	1	-	94429795	94429866
TJU_CMC.ID00382.hairpin	10259	1	-	94492115	94492188
TJU_CMC.ID00383.hairpin	10260	1	+	94561775	94561847
TJU_CMC.ID00384.hairpin	10261	1	-	94728840	94728911
TJU_CMC.ID00385.hairpin	10262	1	-	95399623	95399692
TJU_CMC.ID00386.hairpin	10263	1	+	95656887	95656958
TJU_CMC.ID00387.hairpin	10264	1	-	95833479	95833549
TJU_CMC.ID00388.hairpin	10265	1	+	95947811	95947881
TJU_CMC.ID00389.hairpin	10266	1	-	96719707	96719778
TJU_CMC.ID00390.hairpin	10267	1	-	97291046	97291117
TJU_CMC.ID00391.hairpin	10268	1	-	97339237	97339309
TJU_CMC.ID00392.hairpin	10269	1	+	97577801	97577873
TJU_CMC.ID00393.hairpin	10270	1	-	97817650	97817721
TJU_CMC.ID00394.hairpin	10271	1	+	98085615	98085684
TJU_CMC.ID00395.hairpin	10272	1	-	98273735	98273807
TJU_CMC.ID00396.hairpin	10273	1	+	98925541	98925614
TJU_CMC.ID00397.hairpin	10274	1	+	99102822	99102895
TJU_CMC.ID00398.hairpin	10275	1	-	99429196	99429266

Table 1. Novel miRNA sequences

TJU_CMC.ID00399.hairpin	10276	1	+	99689493	99689564
TJU_CMC.ID00400.hairpin	10277	1	+	99738961	99739030
TJU_CMC.ID00401.hairpin	10278	1	-	99770636	99770705
TJU_CMC.ID00402.hairpin	10279	1	+	99890501	99890572
TJU_CMC.ID00403.hairpin	10280	1	+	100195089	100195160
TJU_CMC.ID00404.hairpin	10281	1	+	101522470	101522541
TJU_CMC.ID00405.hairpin	10282	1	+	101641180	101641252
TJU_CMC.ID00406.hairpin	10283	1	-	101849847	101849916
TJU_CMC.ID00407.hairpin	10284	1	+	102262558	102262631
TJU_CMC.ID00408.hairpin	10285	1	+	102352661	102352734
TJU_CMC.ID00409.hairpin	10286	1	-	102660478	102660548
TJU_CMC.ID00410.hairpin	10287	1	+	102736486	102736557
TJU_CMC.ID00411.hairpin	10288	1	-	103306523	103306595
TJU_CMC.ID00412.hairpin	10289	1	-	103563138	103563210
TJU_CMC.ID00413.hairpin	10290	1	+	104492367	104492437
TJU_CMC.ID00414.hairpin	10291	1	+	104600588	104600660
TJU_CMC.ID00415.hairpin	10292	1	-	104887117	104887186
TJU_CMC.ID00416.hairpin	10293	1	+	105098293	105098363
TJU_CMC.ID00417.hairpin	10294	1	-	105375119	105375191
TJU_CMC.ID00418.hairpin	10295	1	-	105500184	105500255
TJU_CMC.ID00419.hairpin	10296	1	-	106103341	106103413
TJU_CMC.ID00420.hairpin	10297	1	-	106747463	106747535
TJU_CMC.ID00421.hairpin	10298	1	-	106764198	106764270
TJU_CMC.ID00422.hairpin	10299	1	-	107348227	107348299
TJU_CMC.ID00423.hairpin	10300	1	+	107477365	107477434
TJU_CMC.ID00424.hairpin	10301	1	-	107678019	107678090
TJU_CMC.ID00425.hairpin	10302	1	-	107689347	107689420
TJU_CMC.ID00426.hairpin	10303	1	+	108317880	108317952
TJU_CMC.ID00427.hairpin	10304	1	-	108580880	108580951
TJU_CMC.ID00428.hairpin	10305	1	-	109155466	109155537
TJU_CMC.ID00429.hairpin	10306	1	+	109205443	109205516

Table 1. Novel miRNA sequences

TJU_CMC.ID00430.hairpin	10307	1	+	109512351	109512423
TJU_CMC.ID00431.hairpin	10308	1	+	109806282	109806354
TJU_CMC.ID00432.hairpin	10309	1	-	109826154	109826224
TJU_CMC.ID00433.hairpin	10310	1	+	110027536	110027608
TJU_CMC.ID00434.hairpin	10311	1	-	110328510	110328582
TJU_CMC.ID00435.hairpin	10312	1	+	110495672	110495745
TJU_CMC.ID00436.hairpin	10313	1	-	110519318	110519388
TJU_CMC.ID00437.hairpin	10314	1	+	110570125	110570194
TJU_CMC.ID00438.hairpin	10315	1	+	110634489	110634561
TJU_CMC.ID00439.hairpin	10316	1	-	110667099	110667171
TJU_CMC.ID00440.hairpin	10317	1	+	110840360	110840432
TJU_CMC.ID00441.hairpin	10318	1	+	111052833	111052903
TJU_CMC.ID00442.hairpin	10319	1	+	111180461	111180530
TJU_CMC.ID00443.hairpin	10320	1	-	111330458	111330530
TJU_CMC.ID00444.hairpin	10321	1	+	112210489	112210559
TJU_CMC.ID00445.hairpin	10322	1	+	112776543	112776614
TJU_CMC.ID00446.hairpin	10323	1	-	112871736	112871809
TJU_CMC.ID00447.hairpin	10324	1	-	112882848	112882919
TJU_CMC.ID00448.hairpin	10325	1	-	113125568	113125639
TJU_CMC.ID00449.hairpin	10326	1	-	113344689	113344759
TJU_CMC.ID00450.hairpin	10327	1	+	113777020	113777089
TJU_CMC.ID00451.hairpin	10328	1	+	113927745	113927814
TJU_CMC.ID00452.hairpin	10329	1	-	114612490	114612562
TJU_CMC.ID00453.hairpin	10330	1	-	114638034	114638107
TJU_CMC.ID00454.hairpin	10331	1	-	115136927	115137000
TJU_CMC.ID00455.hairpin	10332	1	+	115165230	115165301
TJU_CMC.ID00456.hairpin	10333	1	-	115254801	115254872
TJU_CMC.ID00457.hairpin	10334	1	-	115397833	115397906
TJU_CMC.ID00458.hairpin	10335	1	-	115662503	115662574
TJU_CMC.ID00459.hairpin	10336	1	+	115896559	115896628
TJU_CMC.ID00460.hairpin	10337	1	-	116036662	116036733

Table 1. Novel miRNA sequences

TJU_CMC.ID00461.hairpin	10338	1	+	116058122	116058191
TJU_CMC.ID00462.hairpin	10339	1	+	116245815	116245884
TJU_CMC.ID00463.hairpin	10340	1	-	116519172	116519245
TJU_CMC.ID00464.hairpin	10341	1	-	116519473	116519543
TJU_CMC.ID00465.hairpin	10342	1	-	116572807	116572879
TJU_CMC.ID00466.hairpin	10343	1	+	116658857	116658926
TJU_CMC.ID00467.hairpin	10344	1	+	116885781	116885852
TJU_CMC.ID00468.hairpin	10345	1	+	116947900	116947970
TJU_CMC.ID00469.hairpin	10346	1	-	117260003	117260075
TJU_CMC.ID00470.hairpin	10347	1	-	117452718	117452791
TJU_CMC.ID00471.hairpin	10348	1	+	118127714	118127783
TJU_CMC.ID00472.hairpin	10349	1	+	118421734	118421807
TJU_CMC.ID00473.hairpin	10350	1	-	118663707	118663779
TJU_CMC.ID00474.hairpin	10351	1	-	119299272	119299344
TJU_CMC.ID00475.hairpin	10352	1	-	119538651	119538723
TJU_CMC.ID00476.hairpin	10353	1	-	119876094	119876167
TJU_CMC.ID00477.hairpin	10354	1	+	120220299	120220372
TJU_CMC.ID00478.hairpin	10355	1	+	120254226	120254299
TJU_CMC.ID00479.hairpin	10356	1	+	120652013	120652085
TJU_CMC.ID00480.hairpin	10357	1	+	144551336	144551406
TJU_CMC.ID00481.hairpin	10358	1	+	146602829	146602900
TJU_CMC.ID00482.hairpin	10359	1	-	147028744	147028814
TJU_CMC.ID00483.hairpin	10360	1	+	147217354	147217425
TJU_CMC.ID00484.hairpin	10361	1	+	147783117	147783187
TJU_CMC.ID00485.hairpin	10362	1	+	148252916	148252989
TJU_CMC.ID00486.hairpin	10363	1	-	149821767	149821838
TJU_CMC.ID00487.hairpin	10364	1	+	149931509	149931579
TJU_CMC.ID00488.hairpin	10365	1	+	150207071	150207144
TJU_CMC.ID00489.hairpin	10366	1	+	150552175	150552246
TJU_CMC.ID00490.hairpin	10367	1	+	150878975	150879045
TJU_CMC.ID00491.hairpin	10368	1	-	151156443	151156514

Table 1. Novel miRNA sequences

TJU_CMC.ID00492.hairpin	10369	1	-	151284067	151284138
TJU_CMC.ID00493.hairpin	10370	1	-	151584380	151584451
TJU_CMC.ID00494.hairpin	10371	1	-	151707854	151707926
TJU_CMC.ID00495.hairpin	10372	1	+	152136182	152136251
TJU_CMC.ID00496.hairpin	10373	1	+	152250192	152250264
TJU_CMC.ID00497.hairpin	10374	1	+	152598481	152598553
TJU_CMC.ID00498.hairpin	10375	1	-	153085527	153085599
TJU_CMC.ID00499.hairpin	10376	1	-	153478048	153478119
TJU_CMC.ID00500.hairpin	10377	1	+	153732369	153732440
TJU_CMC.ID00501.hairpin	10378	1	-	154113553	154113623
TJU_CMC.ID00502.hairpin	10379	1	-	154134307	154134376
TJU_CMC.ID00503.hairpin	10380	1	-	154523235	154523304
TJU_CMC.ID00504.hairpin	10381	1	-	154955601	154955674
TJU_CMC.ID00505.hairpin	10382	1	-	154970453	154970525
TJU_CMC.ID00506.hairpin	10383	1	+	155042259	155042330
TJU_CMC.ID00507.hairpin	10384	1	-	155267480	155267551
TJU_CMC.ID00508.hairpin	10385	1	+	155279340	155279411
TJU_CMC.ID00509.hairpin	10386	1	+	155288381	155288452
TJU_CMC.ID00510.hairpin	10387	1	+	155448327	155448397
TJU_CMC.ID00511.hairpin	10388	1	+	155614821	155614893
TJU_CMC.ID00512.hairpin	10389	1	-	155723697	155723769
TJU_CMC.ID00513.hairpin	10390	1	-	156243839	156243910
TJU_CMC.ID00514.hairpin	10391	1	+	156433390	156433461
TJU_CMC.ID00515.hairpin	10392	1	+	156707873	156707944
TJU_CMC.ID00516.hairpin	10393	1	-	156852162	156852234
TJU_CMC.ID00517.hairpin	10394	1	+	156858824	156858893
TJU_CMC.ID00518.hairpin	10395	1	-	157052412	157052482
TJU_CMC.ID00519.hairpin	10396	1	-	157155800	157155871
TJU_CMC.ID00520.hairpin	10397	1	+	157249495	157249567
TJU_CMC.ID00521.hairpin	10398	1	+	157296719	157296792
TJU_CMC.ID00522.hairpin	10399	1	+	157402435	157402508

Table 1. Novel miRNA sequences

TJU_CMC.ID00523.hairpin	10400	1	+	157455877	157455950
TJU_CMC.ID00524.hairpin	10401	1	+	157485100	157485171
TJU_CMC.ID00525.hairpin	10402	1	-	157556522	157556592
TJU_CMC.ID00526.hairpin	10403	1	-	157780953	157781026
TJU_CMC.ID00527.hairpin	10404	1	+	157801577	157801648
TJU_CMC.ID00528.hairpin	10405	1	-	158041341	158041414
TJU_CMC.ID00529.hairpin	10406	1	+	158130422	158130491
TJU_CMC.ID00530.hairpin	10407	1	-	158150027	158150097
TJU_CMC.ID00531.hairpin	10408	1	-	158771052	158771121
TJU_CMC.ID00532.hairpin	10409	1	-	158933075	158933147
TJU_CMC.ID00533.hairpin	10410	1	-	159135307	159135378
TJU_CMC.ID00534.hairpin	10411	1	+	159284271	159284340
TJU_CMC.ID00535.hairpin	10412	1	-	159388187	159388257
TJU_CMC.ID00536.hairpin	10413	1	-	160098692	160098763
TJU_CMC.ID00538.hairpin	10414	1	-	160550139	160550208
TJU_CMC.ID00539.hairpin	10415	1	+	160620511	160620582
TJU_CMC.ID00540.hairpin	10416	1	-	160771687	160771757
TJU_CMC.ID00541.hairpin	10417	1	+	160904090	160904159
TJU_CMC.ID00542.hairpin	10418	1	-	161022108	161022180
TJU_CMC.ID00543.hairpin	10419	1	+	161848858	161848927
TJU_CMC.ID00544.hairpin	10420	1	-	161876463	161876532
TJU_CMC.ID00545.hairpin	10421	1	+	161893815	161893884
TJU_CMC.ID00546.hairpin	10422	1	+	161982727	161982798
TJU_CMC.ID00547.hairpin	10423	1	-	162039406	162039477
TJU_CMC.ID00548.hairpin	10424	1	-	162434663	162434734
TJU_CMC.ID00549.hairpin	10425	1	-	162725458	162725527
TJU_CMC.ID00550.hairpin	10426	1	+	162728383	162728453
TJU_CMC.ID00551.hairpin	10427	1	+	162863183	162863255
TJU_CMC.ID00552.hairpin	10428	1	+	163478924	163478995
TJU_CMC.ID00553.hairpin	10429	1	-	163586528	163586599
TJU_CMC.ID00554.hairpin	10430	1	+	163625511	163625582

Table 1. Novel miRNA sequences

TJU_CMC.ID00555.hairpin	10431	1	+	163647058	163647130
TJU_CMC.ID00556.hairpin	10432	1	-	164050301	164050373
TJU_CMC.ID00557.hairpin	10433	1	-	164196277	164196348
TJU_CMC.ID00558.hairpin	10434	1	-	164583595	164583667
TJU_CMC.ID00559.hairpin	10435	1	-	165201866	165201939
TJU_CMC.ID00560.hairpin	10436	1	-	165226509	165226580
TJU_CMC.ID00561.hairpin	10437	1	-	165258248	165258320
TJU_CMC.ID00562.hairpin	10438	1	+	165335055	165335128
TJU_CMC.ID00563.hairpin	10439	1	+	165742302	165742374
TJU_CMC.ID00564.hairpin	10440	1	-	166011000	166011073
TJU_CMC.ID00565.hairpin	10441	1	+	166317617	166317688
TJU_CMC.ID00566.hairpin	10442	1	-	167009415	167009485
TJU_CMC.ID00567.hairpin	10443	1	-	167024806	167024879
TJU_CMC.ID00568.hairpin	10444	1	+	167041585	167041657
TJU_CMC.ID00569.hairpin	10445	1	+	167101874	167101947
TJU_CMC.ID00570.hairpin	10446	1	+	167138842	167138911
TJU_CMC.ID00571.hairpin	10447	1	-	167153913	167153986
TJU_CMC.ID00572.hairpin	10448	1	-	167385784	167385853
TJU_CMC.ID00573.hairpin	10449	1	+	167541038	167541111
TJU_CMC.ID00574.hairpin	10450	1	-	167551485	167551554
TJU_CMC.ID00575.hairpin	10451	1	-	167561257	167561330
TJU_CMC.ID00576.hairpin	10452	1	-	167607389	167607461
TJU_CMC.ID00577.hairpin	10453	1	-	167688136	167688209
TJU_CMC.ID00578.hairpin	10454	1	+	167695413	167695486
TJU_CMC.ID00579.hairpin	10455	1	+	167706749	167706822
TJU_CMC.ID00580.hairpin	10456	1	+	167714118	167714191
TJU_CMC.ID00581.hairpin	10457	1	+	167893223	167893296
TJU_CMC.ID00582.hairpin	10458	1	+	168056866	168056938
TJU_CMC.ID00583.hairpin	10459	1	-	168068870	168068942
TJU_CMC.ID00584.hairpin	10460	1	+	168106189	168106261
TJU_CMC.ID00585.hairpin	10461	1	+	168274782	168274854

Table 1. Novel miRNA sequences

TJU_CMC.ID00586.hairpin	10462	1	+	168362832	168362904
TJU_CMC.ID00587.hairpin	10463	1	+	169571069	169571148
TJU_CMC.ID00587.hairpin	10464	1	+	169571069	169571148
TJU_CMC.ID00588.hairpin	10465	1	+	170136924	170136994
TJU_CMC.ID00589.hairpin	10466	1	-	170813223	170813295
TJU_CMC.ID00590.hairpin	10467	1	-	171279428	171279501
TJU_CMC.ID00591.hairpin	10468	1	-	171457991	171458061
TJU_CMC.ID00592.hairpin	10469	1	-	171570034	171570105
TJU_CMC.ID00593.hairpin	10470	1	+	171711415	171711486
TJU_CMC.ID00594.hairpin	10471	1	-	172006994	172007064
TJU_CMC.ID00595.hairpin	10472	1	+	173455269	173455340
TJU_CMC.ID00596.hairpin	10473	1	-	173540643	173540712
TJU_CMC.ID00597.hairpin	10474	1	+	173571724	173571796
TJU_CMC.ID00598.hairpin	10475	1	-	173873473	173873542
TJU_CMC.ID00599.hairpin	10476	1	+	174092535	174092604
TJU_CMC.ID00600.hairpin	10477	1	+	174337077	174337149
TJU_CMC.ID00601.hairpin	10478	1	-	174948587	174948656
TJU_CMC.ID00602.hairpin	10479	1	-	174991688	174991761
TJU_CMC.ID00603.hairpin	10480	1	+	175241631	175241703
TJU_CMC.ID00604.hairpin	10481	1	+	175245802	175245873
TJU_CMC.ID00605.hairpin	10482	1	-	175325125	175325197
TJU_CMC.ID00606.hairpin	10483	1	-	175463273	175463346
TJU_CMC.ID00607.hairpin	10484	1	-	175754324	175754395
TJU_CMC.ID00608.hairpin	10485	1	-	175937531	175937602
TJU_CMC.ID00608.hairpin	10486	1	-	175937531	175937602
TJU_CMC.ID00609.hairpin	10487	1	+	176317023	176317095
TJU_CMC.ID00610.hairpin	10488	1	-	176487768	176487840
TJU_CMC.ID00611.hairpin	10489	1	-	176683735	176683807
TJU_CMC.ID00612.hairpin	10490	1	-	176692392	176692464
TJU_CMC.ID00613.hairpin	10491	1	-	176869132	176869205
TJU_CMC.ID00614.hairpin	10492	1	+	177219882	177219955

Table 1. Novel miRNA sequences

TJU_CMC.ID00615.hairpin	10493	1	-	177237449	177237521	
TJU_CMC.ID00616.hairpin	10494	1	+	178072157	178072230	
TJU_CMC.ID00617.hairpin	10495	1	+	178477646	178477715	
TJU_CMC.ID00618.hairpin	10496	1	-	178627312	178627384	
TJU_CMC.ID00619.hairpin.ID=MI0016763;Alias=MI0016763;Name=hsa-mir-4424	10497	1	+	178646884	178646969	
TJU_CMC.ID00620.hairpin	10498	1	-	178693589	178693661	
TJU_CMC.ID00621.hairpin	10499	1	-	178815475	178815546	
TJU_CMC.ID00622.hairpin	10500	1	+	179182471	179182540	
TJU_CMC.ID00623.hairpin	10501	1	-	179198299	179198372	
TJU_CMC.ID00624.hairpin	10502	1	-	179318805	179318876	
TJU_CMC.ID00625.hairpin	10503	1	-	179772265	179772337	
TJU_CMC.ID00626.hairpin	10504	1	+	180218986	180219056	
TJU_CMC.ID00627.hairpin	10505	1	-	180714806	180714875	
TJU_CMC.ID00628.hairpin	10506	1	-	180943313	180943385	
TJU_CMC.ID00629.hairpin	10507	1	+	181291255	181291325	
TJU_CMC.ID00630.hairpin	10508	1	+	181591270	181591343	
TJU_CMC.ID00631.hairpin	10509	1	-	181728762	181728834	
TJU_CMC.ID00632.hairpin	10510	1	-	181741391	181741460	
TJU_CMC.ID00633.hairpin	10511	1	+	182203669	182203741	
TJU_CMC.ID00634.hairpin	10512	1	+	182255639	182255709	
TJU_CMC.ID00635.hairpin	10513	1	-	182360835	182360908	
TJU_CMC.ID00636.hairpin	10514	1	+	182519422	182519493	
TJU_CMC.ID00637.hairpin	10515	1	-	182655046	182655116	
TJU_CMC.ID00638.hairpin	10516	1	+	182808422	182808493	
TJU_CMC.ID00639.hairpin	10517	1	+	183061773	183061842	
TJU_CMC.ID00640.hairpin	10518	1	-	183235892	183235963	
TJU_CMC.ID00641.hairpin	10519	1	-	183275594	183275667	
TJU_CMC.ID00642.hairpin	10520	1	+	183788280	183788351	
TJU_CMC.ID00643.hairpin	10521	1	+	184060293	184060366	

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TJU_CMC.ID00644.hairpin	10522	1	-	184189958	184190030
TJU_CMC.ID00645.hairpin	10523	1	-	184218454	184218526
TJU_CMC.ID00646.hairpin	10524	1	+	184777915	184777988
TJU_CMC.ID00647.hairpin	10525	1	-	184780976	184781048
TJU_CMC.ID00648.hairpin	10526	1	+	184781017	184781087
TJU_CMC.ID00649.hairpin	10527	1	+	184902448	184902520
TJU_CMC.ID00650.hairpin	10528	1	-	185031619	185031690
TJU_CMC.ID00651.hairpin	10529	1	+	185065465	185065536
TJU_CMC.ID00652.hairpin	10530	1	-	186698974	186699043
TJU_CMC.ID00653.hairpin	10531	1	-	186885262	186885334
TJU_CMC.ID00654.hairpin	10532	1	-	187160387	187160460
TJU_CMC.ID00655.hairpin	10533	1	-	187270643	187270713
TJU_CMC.ID00656.hairpin	10534	1	-	187784672	187784744
TJU_CMC.ID00657.hairpin	10535	1	-	188486280	188486349
TJU_CMC.ID00658.hairpin	10536	1	-	188514467	188514537
TJU_CMC.ID00659.hairpin	10537	1	-	188947115	188947184
TJU_CMC.ID00660.hairpin	10538	1	+	190183806	190183879
TJU_CMC.ID00661.hairpin	10539	1	+	190776055	190776127
TJU_CMC.ID00662.hairpin	10540	1	-	191465785	191465856
TJU_CMC.ID00663.hairpin	10541	1	+	191774626	191774696
TJU_CMC.ID00664.hairpin	10542	1	-	192149997	192150066
TJU_CMC.ID00665.hairpin	10543	1	+	192220920	192220991
TJU_CMC.ID00666.hairpin	10544	1	+	192295253	192295322
TJU_CMC.ID00667.hairpin	10545	1	+	192300080	192300151
TJU_CMC.ID00668.hairpin	10546	1	-	192823531	192823604
TJU_CMC.ID00669.hairpin	10547	1	+	193704277	193704347
TJU_CMC.ID00670.hairpin	10548	1	+	193975211	193975283
TJU_CMC.ID00671.hairpin	10549	1	-	194547354	194547423
TJU_CMC.ID00672.hairpin	10550	1	+	194801306	194801377
TJU_CMC.ID00673.hairpin	10551	1	-	195178749	195178822
TJU_CMC.ID00674.hairpin	10552	1	+	195718374	195718447

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TJU_CMC.ID00675.hairpin	10553	1	+	195790389	195790462
TJU_CMC.ID00676.hairpin	10554	1	+	196184616	196184687
TJU_CMC.ID00677.hairpin	10555	1	-	197171462	197171534
TJU_CMC.ID00678.hairpin	10556	1	-	197877655	197877727
TJU_CMC.ID00679.hairpin	10557	1	+	198126220	198126293
TJU_CMC.ID00680.hairpin	10558	1	+	198234208	198234278
TJU_CMC.ID00681.hairpin	10559	1	-	198315261	198315333
TJU_CMC.ID00682.hairpin	10560	1	+	198366245	198366317
TJU_CMC.ID00683.hairpin	10561	1	-	198479225	198479294
TJU_CMC.ID00684.hairpin	10562	1	+	198633927	198633998
TJU_CMC.ID00685.hairpin	10563	1	+	198957678	198957751
TJU_CMC.ID00686.hairpin	10564	1	+	198962049	198962118
TJU_CMC.ID00687.hairpin	10565	1	-	199452900	199452971
TJU_CMC.ID00688.hairpin	10566	1	+	200060517	200060587
TJU_CMC.ID00689.hairpin	10567	1	-	200351077	200351149
TJU_CMC.ID00690.hairpin	10568	1	+	200640507	200640576
TJU_CMC.ID00691.hairpin	10569	1	+	201043967	201044039
TJU_CMC.ID00692.hairpin	10570	1	+	201104039	201104111
TJU_CMC.ID00693.hairpin	10571	1	+	201196164	201196236
TJU_CMC.ID00694.hairpin	10572	1	-	201256454	201256527
TJU_CMC.ID00695.hairpin	10573	1	+	201592012	201592085
TJU_CMC.ID00696.hairpin	10574	1	-	201700945	201701016
TJU_CMC.ID00697.hairpin	10575	1	+	201858016	201858089
TJU_CMC.ID00698.hairpin	10576	1	+	202246763	202246835
TJU_CMC.ID00699.hairpin	10577	1	+	202300608	202300678
TJU_CMC.ID00700.hairpin	10578	1	-	202794318	202794388
TJU_CMC.ID00701.hairpin	10579	1	-	202930248	202930318
TJU_CMC.ID00702.hairpin	10580	1	+	203186329	203186400
TJU_CMC.ID00703.hairpin	10581	1	+	203313632	203313704
TJU_CMC.ID00704.hairpin	10582	1	+	203329739	203329808
TJU_CMC.ID00705.hairpin	10583	1	-	203473472	203473542

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TJU_CMC.ID00706.hairpin	10584	1	+	204031067	204031137
TJU_CMC.ID00707.hairpin	10585	1	+	204041506	204041578
TJU_CMC.ID00708.hairpin	10586	1	+	204126726	204126795
TJU_CMC.ID00709.hairpin	10587	1	+	204135097	204135169
TJU_CMC.ID00710.hairpin	10588	1	+	204135705	204135776
TJU_CMC.ID00711.hairpin	10589	1	-	204744429	204744500
TJU_CMC.ID00712.hairpin	10590	1	+	204750857	204750927
TJU_CMC.ID00713.hairpin	10591	1	-	204846920	204846991
TJU_CMC.ID00714.hairpin	10592	1	+	204950269	204950341
TJU_CMC.ID00715.hairpin	10593	1	+	205051858	205051930
TJU_CMC.ID00716.hairpin	10594	1	+	205213519	205213590
TJU_CMC.ID00717.hairpin	10595	1	+	205375992	205376065
TJU_CMC.ID00718.hairpin	10596	1	+	206201017	206201089
TJU_CMC.ID00719.hairpin	10597	1	-	206223000	206223072
TJU_CMC.ID00720.hairpin	10598	1	+	206617924	206617996
TJU_CMC.ID00721.hairpin	10599	1	-	206762617	206762686
TJU_CMC.ID00722.hairpin	10600	1	+	206871934	206872005
TJU_CMC.ID00723.hairpin	10601	1	+	206957742	206957811
TJU_CMC.ID00724.hairpin	10602	1	-	207535399	207535469
TJU_CMC.ID00725.hairpin	10603	1	+	207780158	207780229
TJU_CMC.ID00726.hairpin	10604	1	-	207822567	207822639
TJU_CMC.ID00727.hairpin	10605	1	+	207984815	207984884
TJU_CMC.ID00728.hairpin	10606	1	-	208076108	208076181
TJU_CMC.ID00729.hairpin	10607	1	+	208166066	208166138
TJU_CMC.ID00730.hairpin	10608	1	+	208286589	208286661
TJU_CMC.ID00731.hairpin	10609	1	+	208362928	208362998
TJU_CMC.ID00732.hairpin	10610	1	+	208531643	208531714
TJU_CMC.ID00733.hairpin	10611	1	+	208967260	208967330
TJU_CMC.ID00734.hairpin	10612	1	+	209066015	209066087
TJU_CMC.ID00735.hairpin	10613	1	-	210482168	210482239
TJU_CMC.ID00736.hairpin	10614	1	+	211025242	211025313

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TJU_CMC.ID00737.hairpin	10615	1	-	211307345	211307417
TJU_CMC.ID00738.hairpin	10616	1	+	211761149	211761222
TJU_CMC.ID00739.hairpin	10617	1	-	212062844	212062917
TJU_CMC.ID00740.hairpin	10618	1	+	212211668	212211740
TJU_CMC.ID00741.hairpin	10619	1	-	212459207	212459279
TJU_CMC.ID00742.hairpin	10620	1	+	212485617	212485690
TJU_CMC.ID00743.hairpin	10621	1	+	212586609	212586679
TJU_CMC.ID00744.hairpin	10622	1	+	212621418	212621487
TJU_CMC.ID00745.hairpin	10623	1	+	212674061	212674130
TJU_CMC.ID00746.hairpin	10624	1	+	213488019	213488092
TJU_CMC.ID00747.hairpin	10625	1	+	213649835	213649906
TJU_CMC.ID00748.hairpin	10626	1	+	213680799	213680869
TJU_CMC.ID00749.hairpin	10627	1	-	214043220	214043292
TJU_CMC.ID00750.hairpin	10628	1	-	214240803	214240875
TJU_CMC.ID00751.hairpin	10629	1	-	214618348	214618419
TJU_CMC.ID00752.hairpin	10630	1	+	215227790	215227861
TJU_CMC.ID00753.hairpin	10631	1	-	215404411	215404484
TJU_CMC.ID00754.hairpin	10632	1	-	215534223	215534296
TJU_CMC.ID00755.hairpin	10633	1	+	215656979	215657049
TJU_CMC.ID00756.hairpin	10634	1	+	216196219	216196290
TJU_CMC.ID00757.hairpin	10635	1	-	216556414	216556486
TJU_CMC.ID00758.hairpin	10636	1	+	217212622	217212695
TJU_CMC.ID00759.hairpin	10637	1	+	217484691	217484764
TJU_CMC.ID00760.hairpin	10638	1	-	218097731	218097802
TJU_CMC.ID00761.hairpin	10639	1	+	218454669	218454741
TJU_CMC.ID00762.hairpin	10640	1	-	218523720	218523793
TJU_CMC.ID00763.hairpin	10641	1	+	218604967	218605039
TJU_CMC.ID00764.hairpin	10642	1	-	218794478	218794547
TJU_CMC.ID00765.hairpin	10643	1	+	219047000	219047071
TJU_CMC.ID00766.hairpin	10644	1	-	219790143	219790212
TJU_CMC.ID00767.hairpin	10645	1	-	220079935	220080006

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TJU_CMC.ID00768.hairpin	10646	1	+	220249322	220249392
TJU_CMC.ID00769.hairpin	10647	1	-	220387326	220387395
TJU_CMC.ID00770.hairpin	10648	1	+	220795961	220796031
TJU_CMC.ID00771.hairpin	10649	1	+	221658569	221658642
TJU_CMC.ID00772.hairpin	10650	1	-	221701594	221701665
TJU_CMC.ID00773.hairpin	10651	1	-	222275875	222275946
TJU_CMC.ID00774.hairpin	10652	1	-	222817691	222817762
TJU_CMC.ID00775.hairpin	10653	1	+	223216119	223216191
TJU_CMC.ID00776.hairpin	10654	1	+	223468108	223468180
TJU_CMC.ID00777.hairpin	10655	1	-	224330049	224330121
TJU_CMC.ID00778.hairpin	10656	1	-	224402224	224402295
TJU_CMC.ID00779.hairpin	10657	1	+	224547167	224547238
TJU_CMC.ID00780.hairpin	10658	1	+	225019175	225019247
TJU_CMC.ID00781.hairpin	10659	1	-	225762768	225762839
TJU_CMC.ID00782.hairpin	10660	1	+	226026436	226026509
TJU_CMC.ID00783.hairpin	10661	1	-	226033493	226033565
TJU_CMC.ID00784.hairpin	10662	1	+	226045902	226045974
TJU_CMC.ID00785.hairpin	10663	1	-	226093208	226093277
TJU_CMC.ID00786.hairpin	10664	1	-	226166503	226166574
TJU_CMC.ID00787.hairpin	10665	1	-	227001998	227002071
TJU_CMC.ID00788.hairpin	10666	1	+	227087931	227088000
TJU_CMC.ID00789.hairpin	10667	1	+	227503929	227504000
TJU_CMC.ID00790.hairpin	10668	1	+	227553010	227553081
TJU_CMC.ID00791.hairpin	10669	1	+	228236200	228236271
TJU_CMC.ID00792.hairpin	10670	1	-	228295597	228295667
TJU_CMC.ID00793.hairpin	10671	1	+	228489974	228490044
TJU_CMC.ID00794.hairpin	10672	1	+	228542375	228542447
TJU_CMC.ID00795.hairpin	10673	1	-	229568447	229568517
TJU_CMC.ID00796.hairpin	10674	1	-	230130634	230130703
TJU_CMC.ID00797.hairpin	10675	1	-	230288896	230288967
TJU_CMC.ID00798.hairpin	10676	1	+	230839160	230839233

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TJU_CMC.ID00799.hairpin	10677	1	-	231189291	231189360
TJU_CMC.ID00800.hairpin	10678	1	-	231203738	231203810
TJU_CMC.ID00801.hairpin	10679	1	+	231291509	231291579
TJU_CMC.ID00802.hairpin	10680	1	+	231987982	231988053
TJU_CMC.ID00803.hairpin	10681	1	+	232144677	232144749
TJU_CMC.ID00804.hairpin	10682	1	+	232163221	232163293
TJU_CMC.ID00805.hairpin	10683	1	-	232398761	232398834
TJU_CMC.ID00806.hairpin	10684	1	+	232405597	232405670
TJU_CMC.ID00807.hairpin	10685	1	+	233101554	233101627
TJU_CMC.ID00808.hairpin	10686	1	+	233136656	233136727
TJU_CMC.ID00809.hairpin	10687	1	+	233335343	233335414
TJU_CMC.ID00810.hairpin	10688	1	-	233818268	233818340
TJU_CMC.ID00811.hairpin	10689	1	-	234040726	234040799
TJU_CMC.ID00812.hairpin	10690	1	-	234176292	234176363
TJU_CMC.ID00813.hairpin	10691	1	-	234367851	234367920
TJU_CMC.ID00814.hairpin	10692	1	-	234466682	234466755
TJU_CMC.ID00815.hairpin	10693	1	-	235534723	235534795
TJU_CMC.ID00816.hairpin	10694	1	+	236070060	236070133
TJU_CMC.ID00817.hairpin	10695	1	-	236172467	236172539
TJU_CMC.ID00818.hairpin	10696	1	-	236306965	236307037
TJU_CMC.ID00819.hairpin	10697	1	+	236333781	236333851
TJU_CMC.ID00820.hairpin	10698	1	-	236496372	236496442
TJU_CMC.ID00821.hairpin	10699	1	+	236577378	236577448
TJU_CMC.ID00822.hairpin	10700	1	-	236849829	236849900
TJU_CMC.ID00823.hairpin	10701	1	-	237144365	237144435
TJU_CMC.ID00824.hairpin	10702	1	-	237304708	237304778
TJU_CMC.ID00825.hairpin	10703	1	-	237330687	237330758
TJU_CMC.ID00826.hairpin	10704	1	+	237806651	237806721
TJU_CMC.ID00827.hairpin	10705	1	-	238279683	238279754
TJU_CMC.ID00828.hairpin	10706	1	-	238989707	238989779
TJU_CMC.ID00829.hairpin	10707	1	+	239574251	239574321

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TJU_CMC.ID00830.hairpin	10708	1	-	239976155	239976227
TJU_CMC.ID00831.hairpin	10709	1	+	240144001	240144074
TJU_CMC.ID00832.hairpin	10710	1	-	240173992	240174063
TJU_CMC.ID00833.hairpin	10711	1	-	240775279	240775350
TJU_CMC.ID00834.hairpin	10712	1	+	240824187	240824256
TJU_CMC.ID00835.hairpin	10713	1	-	240874604	240874675
TJU_CMC.ID00836.hairpin	10714	1	+	241045807	241045876
TJU_CMC.ID00837.hairpin	10715	1	-	241520030	241520103
TJU_CMC.ID00838.hairpin	10716	1	+	241636490	241636562
TJU_CMC.ID00839.hairpin	10717	1	+	241844012	241844084
TJU_CMC.ID00840.hairpin	10718	1	-	242003632	242003703
TJU_CMC.ID00841.hairpin	10719	1	-	242040327	242040397
TJU_CMC.ID00842.hairpin	10720	1	+	242509054	242509125
TJU_CMC.ID00843.hairpin	10721	1	+	242688017	242688090
TJU_CMC.ID00844.hairpin	10722	1	-	242731202	242731271
TJU_CMC.ID00845.hairpin	10723	1	-	243896011	243896084
TJU_CMC.ID00846.hairpin	10724	1	-	243959047	243959117
TJU_CMC.ID00847.hairpin	10725	1	+	244078370	244078443
TJU_CMC.ID00848.hairpin	10726	1	-	244666061	244666132
TJU_CMC.ID00849.hairpin	10727	1	-	244893758	244893828
TJU_CMC.ID00850.hairpin	10728	1	-	245557132	245557204
TJU_CMC.ID00851.hairpin	10729	1	-	246798281	246798353
TJU_CMC.ID00852.hairpin	10730	1	+	247094835	247094908
TJU_CMC.ID00853.hairpin	10731	1	-	247830394	247830466
TJU_CMC.ID00854.hairpin	10732	1	-	248159643	248159712
TJU_CMC.ID00855.hairpin	10733	1	-	249132863	249132932
TJU_CMC.ID00856.hairpin	10734	1	+	249136972	249137041
TJU_CMC.ID00857.hairpin	10735	2	+	90785	90856
TJU_CMC.ID00858.hairpin	10736	2	-	161430	161501
TJU_CMC.ID00859.hairpin	10737	2	+	396670	396743
TJU_CMC.ID00860.hairpin	10738	2	+	416123	416196

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TJU_CMC.ID00861.hairpin	10739	2	+	558731	558801
TJU_CMC.ID00862.hairpin	10740	2	+	766621	766692
TJU_CMC.ID00863.hairpin	10741	2	+	1571609	1571681
TJU_CMC.ID00864.hairpin	10742	2	+	1941897	1941966
TJU_CMC.ID00865.hairpin	10743	2	-	2117871	2117943
TJU_CMC.ID00866.hairpin	10744	2	+	2263947	2264018
TJU_CMC.ID00867.hairpin	10745	2	-	2328235	2328305
TJU_CMC.ID00868.hairpin	10746	2	-	2409347	2409419
TJU_CMC.ID00869.hairpin	10747	2	+	3063397	3063468
TJU_CMC.ID00870.hairpin	10748	2	-	3117145	3117216
TJU_CMC.ID00871.hairpin	10749	2	+	3379713	3379782
TJU_CMC.ID00872.hairpin	10750	2	+	4021617	4021688
TJU_CMC.ID00873.hairpin	10751	2	+	4476704	4476773
TJU_CMC.ID00874.hairpin	10752	2	+	5004076	5004146
TJU_CMC.ID00875.hairpin	10753	2	+	5747618	5747688
TJU_CMC.ID00876.hairpin	10754	2	-	5870725	5870797
TJU_CMC.ID00877.hairpin	10755	2	+	6345258	6345329
TJU_CMC.ID00878.hairpin	10756	2	+	6644372	6644443
TJU_CMC.ID00879.hairpin	10757	2	-	7358291	7358361
TJU_CMC.ID00880.hairpin	10758	2	+	7408141	7408211
TJU_CMC.ID00881.hairpin	10759	2	-	7467066	7467137
TJU_CMC.ID00882.hairpin	10760	2	+	7844168	7844238
TJU_CMC.ID00883.hairpin	10761	2	-	7941510	7941580
TJU_CMC.ID00884.hairpin	10762	2	+	8024649	8024720
TJU_CMC.ID00885.hairpin	10763	2	-	8227482	8227553
TJU_CMC.ID00886.hairpin	10764	2	-	8287581	8287651
TJU_CMC.ID00887.hairpin	10765	2	-	8661256	8661328
TJU_CMC.ID00888.hairpin	10766	2	-	9347355	9347425
TJU_CMC.ID00889.hairpin	10767	2	+	9542604	9542674
TJU_CMC.ID00890.hairpin	10768	2	+	9785088	9785157
TJU_CMC.ID00891.hairpin	10769	2	-	9919548	9919620

Table 1. Novel miRNA sequences

TJU_CMC.ID00892.hairpin	10770	2	+	10180946	10181017
TJU_CMC.ID00893.hairpin	10771	2	-	10682270	10682340
TJU_CMC.ID00894.hairpin	10772	2	-	10835081	10835152
TJU_CMC.ID00895.hairpin	10773	2	-	10925600	10925672
TJU_CMC.ID00896.hairpin	10774	2	-	11237007	11237079
TJU_CMC.ID00897.hairpin	10775	2	-	11325275	11325347
TJU_CMC.ID00898.hairpin	10776	2	+	11605819	11605890
TJU_CMC.ID00899.hairpin	10777	2	+	11623125	11623194
TJU_CMC.ID00900.hairpin	10778	2	+	11801471	11801544
TJU_CMC.ID00901.hairpin	10779	2	+	11891286	11891359
TJU_CMC.ID00902.hairpin	10780	2	+	11987883	11987952
TJU_CMC.ID00903.hairpin	10781	2	+	12824589	12824660
TJU_CMC.ID00904.hairpin	10782	2	-	12851438	12851508
TJU_CMC.ID00905.hairpin	10783	2	+	12958002	12958074
TJU_CMC.ID00906.hairpin	10784	2	-	13132024	13132097
TJU_CMC.ID00907.hairpin	10785	2	-	13683759	13683831
TJU_CMC.ID00908.hairpin	10786	2	+	13977609	13977678
TJU_CMC.ID00909.hairpin	10787	2	-	14437711	14437784
TJU_CMC.ID00910.hairpin	10788	2	-	14835683	14835756
TJU_CMC.ID00911.hairpin	10789	2	-	15914457	15914529
TJU_CMC.ID00912.hairpin	10790	2	-	16374245	16374316
TJU_CMC.ID00913.hairpin	10791	2	-	16389550	16389621
TJU_CMC.ID00914.hairpin	10792	2	+	16422630	16422701
TJU_CMC.ID00915.hairpin	10793	2	-	16505194	16505263
TJU_CMC.ID00916.hairpin	10794	2	-	16511426	16511499
TJU_CMC.ID00917.hairpin	10795	2	-	16612734	16612807
TJU_CMC.ID00918.hairpin	10796	2	-	16712421	16712492
TJU_CMC.ID00919.hairpin	10797	2	-	16724170	16724241
TJU_CMC.ID00920.hairpin	10798	2	+	16925357	16925426
TJU_CMC.ID00921.hairpin	10799	2	+	17387041	17387111
TJU_CMC.ID00922.hairpin	10800	2	+	17502181	17502254

Table 1. Novel miRNA sequences

TJU_CMC.ID00923.hairpin	10801	2	-	17910473	17910546
TJU_CMC.ID00924.hairpin	10802	2	+	17963776	17963847
TJU_CMC.ID00925.hairpin	10803	2	+	18422068	18422137
TJU_CMC.ID00926.hairpin	10804	2	+	18739359	18739430
TJU_CMC.ID00927.hairpin	10805	2	-	18828385	18828458
TJU_CMC.ID00928.hairpin	10806	2	+	19099776	19099846
TJU_CMC.ID00929.hairpin	10807	2	+	19616658	19616729
TJU_CMC.ID00930.hairpin	10808	2	-	19663229	19663300
TJU_CMC.ID00931.hairpin	10809	2	-	19926404	19926475
TJU_CMC.ID00932.hairpin	10810	2	+	21795876	21795948
TJU_CMC.ID00933.hairpin	10811	2	-	21942632	21942702
TJU_CMC.ID00934.hairpin	10812	2	+	22100700	22100769
TJU_CMC.ID00935.hairpin	10813	2	+	22706156	22706227
TJU_CMC.ID00936.hairpin	10814	2	-	22901005	22901074
TJU_CMC.ID00937.hairpin	10815	2	+	23078733	23078802
TJU_CMC.ID00938.hairpin	10816	2	+	23120368	23120441
TJU_CMC.ID00939.hairpin	10817	2	+	23812879	23812951
TJU_CMC.ID00940.hairpin	10818	2	+	23819719	23819790
TJU_CMC.ID00941.hairpin	10819	2	-	24303822	24303894
TJU_CMC.ID00942.hairpin	10820	2	+	24424376	24424447
TJU_CMC.ID00943.hairpin	10821	2	-	24651351	24651422
TJU_CMC.ID00944.hairpin	10822	2	+	25075709	25075782
TJU_CMC.ID00945.hairpin	10823	2	+	25142658	25142728
TJU_CMC.ID00946.hairpin	10824	2	+	25418962	25419033
TJU_CMC.ID00947.hairpin	10825	2	-	25477885	25477957
TJU_CMC.ID00948.hairpin	10826	2	+	27140455	27140526
TJU_CMC.ID00949.hairpin	10827	2	+	27273890	27273961
TJU_CMC.ID00950.hairpin	10828	2	-	27300347	27300420
TJU_CMC.ID00951.hairpin	10829	2	-	27502929	27502999
TJU_CMC.ID00952.hairpin	10830	2	-	27752059	27752131
TJU_CMC.ID00953.hairpin	10831	2	+	27819777	27819847

Table 1. Novel miRNA sequences

TJU_CMC.ID00954.hairpin	10832	2	-	27995722	27995792
TJU_CMC.ID00955.hairpin	10833	2	-	28220693	28220765
TJU_CMC.ID00956.hairpin	10834	2	-	28304329	28304400
TJU_CMC.ID00957.hairpin	10835	2	-	28746714	28746787
TJU_CMC.ID00958.hairpin	10836	2	-	28933033	28933104
TJU_CMC.ID00959.hairpin	10837	2	-	29700613	29700683
TJU_CMC.ID00960.hairpin	10838	2	-	29868438	29868511
TJU_CMC.ID00961.hairpin	10839	2	+	31297064	31297136
TJU_CMC.ID00962.hairpin	10840	2	-	31486860	31486933
TJU_CMC.ID00963.hairpin	10841	2	-	31489700	31489772
TJU_CMC.ID00964.hairpin	10842	2	-	31840693	31840762
TJU_CMC.ID00965.hairpin	10843	2	+	32857851	32857920
TJU_CMC.ID00966.hairpin	10844	2	-	33048145	33048216
TJU_CMC.ID00967.hairpin	10845	2	-	33075734	33075806
TJU_CMC.ID00968.hairpin	10846	2	-	33302213	33302283
TJU_CMC.ID00969.hairpin	10847	2	+	34000601	34000673
TJU_CMC.ID00970.hairpin	10848	2	+	34133272	34133345
TJU_CMC.ID00971.hairpin	10849	2	-	34491728	34491800
TJU_CMC.ID00972.hairpin	10850	2	+	35868396	35868467
TJU_CMC.ID00973.hairpin	10851	2	-	38722011	38722082
TJU_CMC.ID00974.hairpin	10852	2	-	39297633	39297705
TJU_CMC.ID00975.hairpin	10853	2	+	39430089	39430161
TJU_CMC.ID00976.hairpin	10854	2	+	39532480	39532551
TJU_CMC.ID00977.hairpin	10855	2	+	40181053	40181122
TJU_CMC.ID00978.hairpin	10856	2	+	40938389	40938459
TJU_CMC.ID00979.hairpin	10857	2	+	41268971	41269042
TJU_CMC.ID00980.hairpin	10858	2	-	41474050	41474120
TJU_CMC.ID00981.hairpin	10859	2	+	41903847	41903917
TJU_CMC.ID00982.hairpin	10860	2	-	42012263	42012335
TJU_CMC.ID00983.hairpin	10861	2	-	42296046	42296118
TJU_CMC.ID00984.hairpin	10862	2	-	42611252	42611324

Table 1. Novel miRNA sequences

TJU_CMC.ID00985.hairpin	10863	2	+	42939209	42939281
TJU_CMC.ID00986.hairpin	10864	2	+	43018325	43018395
TJU_CMC.ID00987.hairpin	10865	2	+	43092426	43092499
TJU_CMC.ID00988.hairpin	10866	2	-	43234380	43234452
TJU_CMC.ID00989.hairpin	10867	2	-	44253372	44253445
TJU_CMC.ID00990.hairpin	10868	2	-	44791964	44792036
TJU_CMC.ID00991.hairpin	10869	2	-	44980838	44980910
TJU_CMC.ID00992.hairpin	10870	2	-	44992577	44992648
TJU_CMC.ID00993.hairpin	10871	2	+	45055534	45055605
TJU_CMC.ID00994.hairpin	10872	2	+	45057068	45057138
TJU_CMC.ID00995.hairpin	10873	2	+	45446549	45446618
TJU_CMC.ID00996.hairpin	10874	2	+	45464194	45464267
TJU_CMC.ID00997.hairpin	10875	2	+	45768489	45768561
TJU_CMC.ID00998.hairpin	10876	2	+	45879868	45879940
TJU_CMC.ID00999.hairpin	10877	2	-	46076347	46076416
TJU_CMC.ID01000.hairpin	10878	2	-	46362144	46362217
TJU_CMC.ID01001.hairpin	10879	2	+	46386454	46386524
TJU_CMC.ID01002.hairpin	10880	2	-	46788273	46788343
TJU_CMC.ID01003.hairpin	10881	2	+	47096350	47096423
TJU_CMC.ID01004.hairpin	10882	2	+	47257639	47257710
TJU_CMC.ID01005.hairpin	10883	2	-	47561427	47561496
TJU_CMC.ID01006.hairpin	10884	2	-	47821844	47821915
TJU_CMC.ID01007.hairpin	10885	2	-	48091083	48091154
TJU_CMC.ID01008.hairpin	10886	2	+	48133166	48133235
TJU_CMC.ID01009.hairpin	10887	2	-	48177969	48178038
TJU_CMC.ID01010.hairpin	10888	2	+	48254257	48254329
TJU_CMC.ID01011.hairpin	10889	2	+	48321077	48321146
TJU_CMC.ID01012.hairpin	10890	2	+	48586272	48586344
TJU_CMC.ID01013.hairpin	10891	2	-	48619223	48619296
TJU_CMC.ID01014.hairpin	10892	2	+	49465632	49465705
TJU_CMC.ID01015.hairpin	10893	2	-	50844790	50844861

Table 1. Novel miRNA sequences

TJU_CMC.ID01016.hairpin	10894	2	+	50961027	50961097
TJU_CMC.ID01017.hairpin	10895	2	+	52363449	52363521
TJU_CMC.ID01018.hairpin	10896	2	-	53435989	53436061
TJU_CMC.ID01019.hairpin	10897	2	-	54344463	54344536
TJU_CMC.ID01020.hairpin	10898	2	-	54614879	54614950
TJU_CMC.ID01021.hairpin	10899	2	+	54615137	54615208
TJU_CMC.ID01022.hairpin	10900	2	+	55165062	55165133
TJU_CMC.ID01023.hairpin	10901	2	+	55280527	55280599
TJU_CMC.ID01024.hairpin	10902	2	+	55386694	55386767
TJU_CMC.ID01025.hairpin	10903	2	-	55387944	55388017
TJU_CMC.ID01026.hairpin	10904	2	+	55717401	55717474
TJU_CMC.ID01027.hairpin.ID=MI0000293;Alias=MI0000293;Name=hsa-mir-217	10905	2	-	56210102	56210211
TJU_CMC.ID01028.hairpin	10906	2	-	56993921	56993990
TJU_CMC.ID01029.hairpin	10907	2	-	58831958	58832028
TJU_CMC.ID01030.hairpin	10908	2	+	58899721	58899793
TJU_CMC.ID01031.hairpin	10909	2	+	59021926	59021995
TJU_CMC.ID01032.hairpin	10910	2	-	59196158	59196229
TJU_CMC.ID01033.hairpin	10911	2	-	59778651	59778723
TJU_CMC.ID01034.hairpin	10912	2	+	60542290	60542359
TJU_CMC.ID01035.hairpin	10913	2	+	61528177	61528249
TJU_CMC.ID01036.hairpin	10914	2	+	61634511	61634580
TJU_CMC.ID01037.hairpin	10915	2	+	62386337	62386408
TJU_CMC.ID01038.hairpin	10916	2	-	62450108	62450179
TJU_CMC.ID01039.hairpin	10917	2	-	62697965	62698035
TJU_CMC.ID01040.hairpin	10918	2	+	62908561	62908633
TJU_CMC.ID01041.hairpin	10919	2	-	62924725	62924798
TJU_CMC.ID01042.hairpin	10920	2	+	63253938	63254009
TJU_CMC.ID01043.hairpin	10921	2	-	63493250	63493322
TJU_CMC.ID01044.hairpin	10922	2	+	63563529	63563598

Table 1. Novel miRNA sequences

TJU_CMC.ID01045.hairpin	10923	2	-	64185769	64185840
TJU_CMC.ID01046.hairpin	10924	2	-	64218716	64218789
TJU_CMC.ID01047.hairpin	10925	2	-	64551338	64551411
TJU_CMC.ID01048.hairpin	10926	2	+	64682692	64682762
TJU_CMC.ID01049.hairpin	10927	2	+	64743321	64743394
TJU_CMC.ID01050.hairpin	10928	2	-	64821423	64821494
TJU_CMC.ID01051.hairpin	10929	2	+	64824143	64824214
TJU_CMC.ID01052.hairpin	10930	2	-	64879466	64879538
TJU_CMC.ID01053.hairpin	10931	2	-	65064347	65064418
TJU_CMC.ID01054.hairpin	10932	2	-	65750121	65750190
TJU_CMC.ID01055.hairpin	10933	2	-	66768889	66768960
TJU_CMC.ID01056.hairpin	10934	2	+	66877498	66877567
TJU_CMC.ID01057.hairpin	10935	2	-	67276532	67276604
TJU_CMC.ID01058.hairpin	10936	2	+	68553146	68553218
TJU_CMC.ID01059.hairpin	10937	2	-	68668447	68668516
TJU_CMC.ID01060.hairpin	10938	2	+	69003898	69003967
TJU_CMC.ID01061.hairpin	10939	2	-	69024715	69024785
TJU_CMC.ID01062.hairpin	10940	2	-	69296605	69296677
TJU_CMC.ID01063.hairpin	10941	2	+	69402670	69402741
TJU_CMC.ID01064.hairpin	10942	2	-	69414128	69414197
TJU_CMC.ID01065.hairpin	10943	2	-	69489404	69489477
TJU_CMC.ID01066.hairpin	10944	2	+	69614359	69614432
TJU_CMC.ID01067.hairpin	10945	2	+	69701670	69701740
TJU_CMC.ID01068.hairpin	10946	2	-	71074321	71074390
TJU_CMC.ID01069.hairpin	10947	2	-	71565785	71565856
TJU_CMC.ID01070.hairpin	10948	2	-	71784344	71784415
TJU_CMC.ID01071.hairpin	10949	2	-	72078544	72078613
TJU_CMC.ID01072.hairpin	10950	2	-	72082038	72082108
TJU_CMC.ID01073.hairpin	10951	2	+	72214970	72215042
TJU_CMC.ID01074.hairpin	10952	2	+	72419807	72419879
TJU_CMC.ID01075.hairpin	10953	2	-	72846035	72846105

Table 1. Novel miRNA sequences

TJU_CMC.ID01076.hairpin	10954	2	-	73714451	73714523	
TJU_CMC.ID01077.hairpin	10955	2	-	73845562	73845631	
TJU_CMC.ID01078.hairpin	10956	2	-	74290489	74290560	
TJU_CMC.ID01079.hairpin	10957	2	+	74445791	74445862	
TJU_CMC.ID01080.hairpin	10958	2	+	74467565	74467636	
TJU_CMC.ID01081.hairpin	10959	2	+	74725352	74725424	
TJU_CMC.ID01083.hairpin	10960	2	-	74824476	74824545	
TJU_CMC.ID01084.hairpin	10961	2	+	75456185	75456255	
TJU_CMC.ID01085.hairpin	10962	2	-	75538031	75538102	
TJU_CMC.ID01086.hairpin	10963	2	-	75708648	75708719	
TJU_CMC.ID01087.hairpin	10964	2	+	75855409	75855480	
TJU_CMC.ID01088.hairpin	10965	2	+	76007636	76007707	
TJU_CMC.ID01089.hairpin	10966	2	-	76427111	76427180	
TJU_CMC.ID01090.hairpin	10967	2	-	76625004	76625073	
TJU_CMC.ID01091.hairpin	10968	2	-	76938643	76938716	
TJU_CMC.ID01092.hairpin	10969	2	+	77877954	77878024	
TJU_CMC.ID01093.hairpin	10970	2	+	78074549	78074618	
TJU_CMC.ID01094.hairpin	10971	2	+	78286797	78286867	
TJU_CMC.ID01095.hairpin	10972	2	+	78753736	78753807	
TJU_CMC.ID01096.hairpin	10973	2	+	78903543	78903614	
TJU_CMC.ID01097.hairpin	10974	2	-	78959853	78959926	
TJU_CMC.ID01098.hairpin	10975	2	+	79041721	79041791	
TJU_CMC.ID01099.hairpin	10976	2	-	79230157	79230230	
TJU_CMC.ID01100.hairpin	10977	2	+	79285211	79285283	
TJU_CMC.ID01101.hairpin	10978	2	-	79859839	79859912	
TJU_CMC.ID01102.hairpin	10979	2	+	79862070	79862141	
TJU_CMC.ID01103.hairpin	10980	2	+	80250529	80250599	
TJU_CMC.ID01104.hairpin	10981	2	+	80517201	80517270	
TJU_CMC.ID01105.hairpin	10982	2	+	80815875	80815946	
TJU_CMC.ID01106.hairpin	10983	2	+	80913238	80913307	
TJU_CMC.ID01107.hairpin	10984	2	+	81142505	81142578	

Table 1. Novel miRNA sequences

TJU_CMC.ID01108.hairpin	10985	2	+	81710895	81710966
TJU_CMC.ID01109.hairpin	10986	2	-	82095035	82095107
TJU_CMC.ID01110.hairpin	10987	2	+	82103989	82104061
TJU_CMC.ID01111.hairpin	10988	2	-	82308575	82308647
TJU_CMC.ID01112.hairpin	10989	2	-	82738089	82738162
TJU_CMC.ID01113.hairpin	10990	2	-	83048020	83048093
TJU_CMC.ID01114.hairpin	10991	2	-	83602225	83602297
TJU_CMC.ID01115.hairpin	10992	2	-	84234956	84235029
TJU_CMC.ID01116.hairpin	10993	2	+	84380798	84380869
TJU_CMC.ID01117.hairpin	10994	2	+	84409697	84409769
TJU_CMC.ID01118.hairpin	10995	2	+	84422668	84422740
TJU_CMC.ID01119.hairpin	10996	2	-	84769203	84769275
TJU_CMC.ID01120.hairpin	10997	2	+	85450035	85450105
TJU_CMC.ID01121.hairpin	10998	2	+	85488905	85488978
TJU_CMC.ID01122.hairpin	10999	2	-	85924703	85924776
TJU_CMC.ID01123.hairpin	11000	2	+	86362979	86363052
TJU_CMC.ID01124.hairpin	11001	2	+	86709348	86709420
TJU_CMC.ID01125.hairpin	11002	2	+	87014839	87014908
TJU_CMC.ID01126.hairpin	11003	2	+	88583688	88583757
TJU_CMC.ID01127.hairpin	11004	2	+	91761855	91761926
TJU_CMC.ID01128.hairpin	11005	2	-	95525041	95525114
TJU_CMC.ID01129.hairpin	11006	2	+	95605726	95605797
TJU_CMC.ID01130.hairpin	11007	2	-	95862272	95862341
TJU_CMC.ID01131.hairpin	11008	2	-	95950684	95950754
TJU_CMC.ID01132.hairpin	11009	2	-	96780843	96780914
TJU_CMC.ID01133.hairpin	11010	2	-	96783366	96783439
TJU_CMC.ID01134.hairpin	11011	2	+	96908971	96909042
TJU_CMC.ID01135.hairpin	11012	2	-	97088414	97088486
TJU_CMC.ID01136.hairpin	11013	2	-	97246778	97246850
TJU_CMC.ID01137.hairpin	11014	2	-	97251750	97251819
TJU_CMC.ID01138.hairpin	11015	2	+	97450503	97450576

Table 1. Novel miRNA sequences

TJU_CMC.ID01139.hairpin	11016	2	+	97482238	97482309
TJU_CMC.ID01140.hairpin	11017	2	-	98369141	98369212
TJU_CMC.ID01141.hairpin	11018	2	+	98499008	98499077
TJU_CMC.ID01142.hairpin	11019	2	-	98962854	98962925
TJU_CMC.ID01143.hairpin	11020	2	-	98963546	98963617
TJU_CMC.ID01144.hairpin	11021	2	+	99087692	99087765
TJU_CMC.ID01145.hairpin	11022	2	+	99130166	99130238
TJU_CMC.ID01146.hairpin	11023	2	-	99335559	99335630
TJU_CMC.ID01147.hairpin	11024	2	-	99404477	99404548
TJU_CMC.ID01148.hairpin	11025	2	+	99510390	99510460
TJU_CMC.ID01149.hairpin	11026	2	-	99648902	99648972
TJU_CMC.ID01150.hairpin	11027	2	+	100327305	100327377
TJU_CMC.ID01151.hairpin	11028	2	+	100434724	100434796
TJU_CMC.ID01152.hairpin	11029	2	+	100866091	100866162
TJU_CMC.ID01153.hairpin	11030	2	+	101382005	101382076
TJU_CMC.ID01154.hairpin	11031	2	-	101382035	101382106
TJU_CMC.ID01155.hairpin	11032	2	+	101396110	101396182
TJU_CMC.ID01156.hairpin	11033	2	-	101746564	101746635
TJU_CMC.ID01157.hairpin	11034	2	-	101879028	101879100
TJU_CMC.ID01158.hairpin	11035	2	-	101889452	101889523
TJU_CMC.ID01159.hairpin	11036	2	-	102051565	102051641
TJU_CMC.ID01160.hairpin	11037	2	-	102122735	102122804
TJU_CMC.ID01161.hairpin	11038	2	-	102143900	102143969
TJU_CMC.ID01162.hairpin	11039	2	+	102238799	102238872
TJU_CMC.ID01163.hairpin	11040	2	+	102275875	102275947
TJU_CMC.ID01164.hairpin	11041	2	+	102280388	102280460
TJU_CMC.ID01165.hairpin	11042	2	-	102484523	102484592
TJU_CMC.ID01166.hairpin	11043	2	-	102984125	102984196
TJU_CMC.ID01167.hairpin	11044	2	-	103049164	103049235
TJU_CMC.ID01168.hairpin	11045	2	+	103214400	103214472
TJU_CMC.ID01169.hairpin	11046	2	+	103361864	103361934

Table 1. Novel miRNA sequences

TJU_CMC.ID01170.hairpin	11047	2	+	103454654	103454727
TJU_CMC.ID01171.hairpin	11048	2	+	103534768	103534839
TJU_CMC.ID01172.hairpin	11049	2	-	103593897	103593968
TJU_CMC.ID01173.hairpin	11050	2	-	103914966	103915037
TJU_CMC.ID01174.hairpin	11051	2	-	103919436	103919506
TJU_CMC.ID01175.hairpin	11052	2	+	105128230	105128303
TJU_CMC.ID01176.hairpin	11053	2	-	105904891	105904963
TJU_CMC.ID01177.hairpin	11054	2	-	106088676	106088748
TJU_CMC.ID01178.hairpin	11055	2	-	106219799	106219870
TJU_CMC.ID01179.hairpin	11056	2	-	106241850	106241921
TJU_CMC.ID01180.hairpin	11057	2	-	106645434	106645507
TJU_CMC.ID01181.hairpin	11058	2	-	106718481	106718552
TJU_CMC.ID01182.hairpin	11059	2	-	107874351	107874423
TJU_CMC.ID01183.hairpin	11060	2	+	108126875	108126945
TJU_CMC.ID01184.hairpin	11061	2	+	108174523	108174594
TJU_CMC.ID01185.hairpin	11062	2	-	108946737	108946809
TJU_CMC.ID01186.hairpin	11063	2	-	108981232	108981305
TJU_CMC.ID01187.hairpin	11064	2	+	110392093	110392162
TJU_CMC.ID01188.hairpin	11065	2	-	111483799	111483872
TJU_CMC.ID01189.hairpin	11066	2	-	112411720	112411792
TJU_CMC.ID01190.hairpin	11067	2	+	113650995	113651066
TJU_CMC.ID01191.hairpin	11068	2	+	114009636	114009709
TJU_CMC.ID01192.hairpin	11069	2	+	114034660	114034729
TJU_CMC.ID01193.hairpin	11070	2	-	114125270	114125340
TJU_CMC.ID01194.hairpin	11071	2	+	114395470	114395539
TJU_CMC.ID01195.hairpin	11072	2	+	114736888	114736959
TJU_CMC.ID01196.hairpin	11073	2	+	114901769	114901841
TJU_CMC.ID01197.hairpin	11074	2	+	115511911	115511980
TJU_CMC.ID01198.hairpin	11075	2	+	115638400	115638470
TJU_CMC.ID01199.hairpin	11076	2	+	115799896	115799967
TJU_CMC.ID01200.hairpin	11077	2	+	115972657	115972728

Table 1. Novel miRNA sequences

TJU_CMC.ID01201.hairpin	11078	2	+	116638377	116638449
TJU_CMC.ID01202.hairpin	11079	2	+	116643835	116643908
TJU_CMC.ID01203.hairpin	11080	2	+	116665972	116666041
TJU_CMC.ID01204.hairpin	11081	2	+	116730649	116730721
TJU_CMC.ID01205.hairpin	11082	2	-	117168209	117168281
TJU_CMC.ID01206.hairpin	11083	2	-	117428320	117428390
TJU_CMC.ID01207.hairpin	11084	2	-	117438803	117438876
TJU_CMC.ID01208.hairpin	11085	2	-	118463828	118463900
TJU_CMC.ID01209.hairpin	11086	2	+	118760048	118760120
TJU_CMC.ID01210.hairpin	11087	2	-	118795441	118795513
TJU_CMC.ID01211.hairpin	11088	2	+	118921809	118921881
TJU_CMC.ID01212.hairpin	11089	2	-	119198999	119199069
TJU_CMC.ID01213.hairpin	11090	2	+	119250760	119250830
TJU_CMC.ID01214.hairpin	11091	2	+	119335136	119335206
TJU_CMC.ID01215.hairpin	11092	2	-	119418239	119418310
TJU_CMC.ID01216.hairpin	11093	2	+	119420943	119421016
TJU_CMC.ID01217.hairpin	11094	2	-	119603490	119603562
TJU_CMC.ID01218.hairpin	11095	2	-	119887233	119887305
TJU_CMC.ID01219.hairpin	11096	2	-	119916193	119916266
TJU_CMC.ID01220.hairpin	11097	2	-	119991860	119991930
TJU_CMC.ID01221.hairpin	11098	2	+	120155295	120155368
TJU_CMC.ID01222.hairpin	11099	2	+	120325295	120325367
TJU_CMC.ID01223.hairpin	11100	2	-	120476334	120476407
TJU_CMC.ID01224.hairpin	11101	2	-	120797465	120797536
TJU_CMC.ID01225.hairpin	11102	2	+	121154142	121154214
TJU_CMC.ID01226.hairpin	11103	2	+	121278318	121278391
TJU_CMC.ID01227.hairpin	11104	2	-	121641384	121641455
TJU_CMC.ID01228.hairpin	11105	2	+	121708167	121708239
TJU_CMC.ID01229.hairpin	11106	2	+	121722353	121722424
TJU_CMC.ID01230.hairpin	11107	2	+	121729606	121729678
TJU_CMC.ID01231.hairpin	11108	2	+	121829814	121829886

Table 1. Novel miRNA sequences

TJU_CMC.ID01232.hairpin	11109	2	+	121951510	121951580
TJU_CMC.ID01233.hairpin	11110	2	-	122048503	122048572
TJU_CMC.ID01234.hairpin	11111	2	+	122215266	122215337
TJU_CMC.ID01235.hairpin	11112	2	-	123289294	123289366
TJU_CMC.ID01236.hairpin	11113	2	-	123290903	123290975
TJU_CMC.ID01237.hairpin	11114	2	+	123666666	123666739
TJU_CMC.ID01238.hairpin	11115	2	+	124252823	124252894
TJU_CMC.ID01239.hairpin	11116	2	-	124600127	124600196
TJU_CMC.ID01240.hairpin	11117	2	-	124628343	124628414
TJU_CMC.ID01241.hairpin	11118	2	+	124796260	124796333
TJU_CMC.ID01242.hairpin	11119	2	-	125549608	125549678
TJU_CMC.ID01243.hairpin	11120	2	-	125670551	125670623
TJU_CMC.ID01244.hairpin	11121	2	-	127952193	127952266
TJU_CMC.ID01245.hairpin	11122	2	+	128161485	128161554
TJU_CMC.ID01246.hairpin	11123	2	-	128230581	128230652
TJU_CMC.ID01247.hairpin	11124	2	-	128386136	128386208
TJU_CMC.ID01248.hairpin	11125	2	-	128458355	128458428
TJU_CMC.ID01249.hairpin	11126	2	-	128785045	128785114
TJU_CMC.ID01250.hairpin	11127	2	+	129299031	129299102
TJU_CMC.ID01251.hairpin	11128	2	+	129512612	129512681
TJU_CMC.ID01252.hairpin	11129	2	+	129659193	129659266
TJU_CMC.ID01253.hairpin	11130	2	-	130482881	130482951
TJU_CMC.ID01254.hairpin	11131	2	+	131106973	131107046
TJU_CMC.ID01255.hairpin	11132	2	-	131800396	131800465
TJU_CMC.ID01256.hairpin	11133	2	+	131871391	131871463
TJU_CMC.ID01257.hairpin	11134	2	+	131882173	131882246
TJU_CMC.ID01258.hairpin	11135	2	+	132096227	132096300
TJU_CMC.ID01259.hairpin	11136	2	+	133393804	133393877
TJU_CMC.ID01260.hairpin	11137	2	-	133485792	133485862
TJU_CMC.ID01261.hairpin	11138	2	-	133547923	133547994
TJU_CMC.ID01262.hairpin	11139	2	+	133555300	133555369

Table 1. Novel miRNA sequences

TJU_CMC.ID01263.hairpin	11140	2	-	133583294	133583367
TJU_CMC.ID01264.hairpin	11141	2	-	133764530	133764601
TJU_CMC.ID01265.hairpin	11142	2	+	133811824	133811893
TJU_CMC.ID01266.hairpin	11143	2	-	134479425	134479495
TJU_CMC.ID01267.hairpin	11144	2	-	134531959	134532028
TJU_CMC.ID01268.hairpin	11145	2	-	134602035	134602106
TJU_CMC.ID01269.hairpin	11146	2	-	134620174	134620244
TJU_CMC.ID01270.hairpin	11147	2	-	134680554	134680625
TJU_CMC.ID01271.hairpin	11148	2	-	135640558	135640629
TJU_CMC.ID01272.hairpin	11149	2	-	136628727	136628799
TJU_CMC.ID01273.hairpin	11150	2	-	136884418	136884491
TJU_CMC.ID01274.hairpin	11151	2	-	137004957	137005028
TJU_CMC.ID01275.hairpin	11152	2	+	137105403	137105476
TJU_CMC.ID01276.hairpin	11153	2	+	137195287	137195358
TJU_CMC.ID01277.hairpin	11154	2	-	137198466	137198536
TJU_CMC.ID01278.hairpin	11155	2	+	137494798	137494867
TJU_CMC.ID01279.hairpin	11156	2	+	137941607	137941678
TJU_CMC.ID01280.hairpin	11157	2	+	139387982	139388052
TJU_CMC.ID01281.hairpin	11158	2	-	140432682	140432753
TJU_CMC.ID01282.hairpin	11159	2	-	140460967	140461039
TJU_CMC.ID01283.hairpin	11160	2	-	140685223	140685292
TJU_CMC.ID01284.hairpin	11161	2	-	140848468	140848540
TJU_CMC.ID01285.hairpin	11162	2	+	141240868	141240941
TJU_CMC.ID01286.hairpin	11163	2	-	141323933	141324003
TJU_CMC.ID01287.hairpin	11164	2	+	141974203	141974275
TJU_CMC.ID01288.hairpin	11165	2	-	142267087	142267160
TJU_CMC.ID01289.hairpin	11166	2	-	142353694	142353766
TJU_CMC.ID01290.hairpin	11167	2	-	143562699	143562772
TJU_CMC.ID01291.hairpin	11168	2	-	143922292	143922363
TJU_CMC.ID01292.hairpin	11169	2	+	143942332	143942404
TJU_CMC.ID01293.hairpin	11170	2	+	144835887	144835959

Table 1. Novel miRNA sequences

TJU_CMC.ID01294.hairpin	11171	2	+	144900820	144900891
TJU_CMC.ID01295.hairpin	11172	2	-	144993513	144993584
TJU_CMC.ID01296.hairpin	11173	2	+	145037280	145037351
TJU_CMC.ID01297.hairpin	11174	2	-	145784423	145784494
TJU_CMC.ID01298.hairpin	11175	2	+	147288935	147289007
TJU_CMC.ID01299.hairpin	11176	2	+	148190824	148190897
TJU_CMC.ID01300.hairpin	11177	2	-	148357533	148357605
TJU_CMC.ID01301.hairpin	11178	2	-	148455234	148455303
TJU_CMC.ID01302.hairpin	11179	2	+	148797474	148797545
TJU_CMC.ID01303.hairpin	11180	2	-	149270876	149270949
TJU_CMC.ID01304.hairpin	11181	2	+	149353646	149353719
TJU_CMC.ID01305.hairpin	11182	2	-	149580617	149580687
TJU_CMC.ID01306.hairpin	11183	2	-	149639370	149639441
TJU_CMC.ID01307.hairpin	11184	2	-	150270462	150270532
TJU_CMC.ID01308.hairpin	11185	2	+	151288557	151288627
TJU_CMC.ID01309.hairpin	11186	2	+	151568354	151568423
TJU_CMC.ID01310.hairpin	11187	2	-	152352034	152352106
TJU_CMC.ID01311.hairpin	11188	2	+	152655914	152655984
TJU_CMC.ID01312.hairpin	11189	2	-	152980896	152980965
TJU_CMC.ID01313.hairpin	11190	2	-	153574107	153574176
TJU_CMC.ID01314.hairpin	11191	2	-	153990772	153990842
TJU_CMC.ID01315.hairpin	11192	2	+	154298883	154298954
TJU_CMC.ID01316.hairpin	11193	2	+	154555546	154555616
TJU_CMC.ID01317.hairpin	11194	2	+	156195700	156195773
TJU_CMC.ID01318.hairpin	11195	2	-	156605115	156605186
TJU_CMC.ID01319.hairpin	11196	2	+	157670319	157670390
TJU_CMC.ID01320.hairpin	11197	2	+	158516047	158516116
TJU_CMC.ID01321.hairpin	11198	2	+	158593094	158593166
TJU_CMC.ID01322.hairpin	11199	2	+	158695238	158695310
TJU_CMC.ID01323.hairpin	11200	2	+	159172209	159172278
TJU_CMC.ID01324.hairpin	11201	2	+	159828956	159829029

Table 1. Novel miRNA sequences

TJU_CMC.ID01325.hairpin	11202	2	-	159892644	159892717
TJU_CMC.ID01326.hairpin	11203	2	+	161761265	161761335
TJU_CMC.ID01327.hairpin	11204	2	-	161809291	161809361
TJU_CMC.ID01328.hairpin	11205	2	+	162265623	162265696
TJU_CMC.ID01329.hairpin	11206	2	+	162284543	162284616
TJU_CMC.ID01330.hairpin	11207	2	-	162507957	162508029
TJU_CMC.ID01331.hairpin	11208	2	+	162594735	162594807
TJU_CMC.ID01332.hairpin	11209	2	+	162735705	162735777
TJU_CMC.ID01333.hairpin	11210	2	-	162927490	162927563
TJU_CMC.ID01334.hairpin	11211	2	-	163191073	163191146
TJU_CMC.ID01335.hairpin	11212	2	-	163206975	163207045
TJU_CMC.ID01336.hairpin	11213	2	-	163252189	163252258
TJU_CMC.ID01337.hairpin	11214	2	-	163623280	163623351
TJU_CMC.ID01338.hairpin	11215	2	-	164977364	164977434
TJU_CMC.ID01339.hairpin	11216	2	-	165237768	165237839
TJU_CMC.ID01340.hairpin	11217	2	+	166302615	166302687
TJU_CMC.ID01341.hairpin	11218	2	+	166542751	166542821
TJU_CMC.ID01342.hairpin	11219	2	+	166728029	166728101
TJU_CMC.ID01343.hairpin	11220	2	-	167271499	167271571
TJU_CMC.ID01344.hairpin	11221	2	+	168033478	168033550
TJU_CMC.ID01345.hairpin	11222	2	-	168207196	168207267
TJU_CMC.ID01346.hairpin	11223	2	+	168863419	168863489
TJU_CMC.ID01347.hairpin	11224	2	+	169044606	169044679
TJU_CMC.ID01348.hairpin	11225	2	+	169185785	169185854
TJU_CMC.ID01349.hairpin	11226	2	+	169370907	169370979
TJU_CMC.ID01350.hairpin	11227	2	-	169386177	169386248
TJU_CMC.ID01351.hairpin	11228	2	-	169706940	169707009
TJU_CMC.ID01352.hairpin	11229	2	+	169774032	169774104
TJU_CMC.ID01353.hairpin	11230	2	-	169839220	169839292
TJU_CMC.ID01354.hairpin	11231	2	-	170249989	170250059
TJU_CMC.ID01355.hairpin	11232	2	-	170406000	170406071

Table 1. Novel miRNA sequences

TJU_CMC.ID01356.hairpin	11233	2	+	170524404	170524474
TJU_CMC.ID01357.hairpin	11234	2	-	170575785	170575858
TJU_CMC.ID01358.hairpin	11235	2	-	171126073	171126142
TJU_CMC.ID01359.hairpin	11236	2	+	171704479	171704550
TJU_CMC.ID01360.hairpin	11237	2	+	171878085	171878157
TJU_CMC.ID01361.hairpin	11238	2	-	172652124	172652195
TJU_CMC.ID01362.hairpin	11239	2	-	172970581	172970652
TJU_CMC.ID01363.hairpin	11240	2	-	173116826	173116897
TJU_CMC.ID01364.hairpin	11241	2	-	173242220	173242292
TJU_CMC.ID01365.hairpin	11242	2	+	173472221	173472294
TJU_CMC.ID01366.hairpin	11243	2	+	173477845	173477915
TJU_CMC.ID01367.hairpin	11244	2	-	173705717	173705790
TJU_CMC.ID01368.hairpin	11245	2	-	174075427	174075497
TJU_CMC.ID01369.hairpin	11246	2	+	174336704	174336773
TJU_CMC.ID01370.hairpin	11247	2	-	174489982	174490055
TJU_CMC.ID01371.hairpin	11248	2	+	174571326	174571398
TJU_CMC.ID01372.hairpin	11249	2	-	174612960	174613031
TJU_CMC.ID01373.hairpin	11250	2	-	174720263	174720334
TJU_CMC.ID01374.hairpin	11251	2	-	174869944	174870013
TJU_CMC.ID01375.hairpin	11252	2	-	174987199	174987271
TJU_CMC.ID01376.hairpin	11253	2	+	175300883	175300953
TJU_CMC.ID01377.hairpin	11254	2	+	176307563	176307632
TJU_CMC.ID01378.hairpin	11255	2	-	176895104	176895173
TJU_CMC.ID01379.hairpin	11256	2	+	177017895	177017966
TJU_CMC.ID01380.hairpin	11257	2	+	177182521	177182593
TJU_CMC.ID01381.hairpin	11258	2	-	177821637	177821709
TJU_CMC.ID01382.hairpin	11259	2	-	177907087	177907158
TJU_CMC.ID01383.hairpin	11260	2	-	178097147	178097218
TJU_CMC.ID01384.hairpin	11261	2	+	178590898	178590967
TJU_CMC.ID01385.hairpin	11262	2	-	178623747	178623819
TJU_CMC.ID01386.hairpin	11263	2	+	178731329	178731400

Table 1. Novel miRNA sequences

TJU_CMC.ID01387.hairpin	11264	2	-	178924373	178924445
TJU_CMC.ID01388.hairpin	11265	2	+	178990312	178990382
TJU_CMC.ID01389.hairpin	11266	2	-	179090023	179090093
TJU_CMC.ID01390.hairpin	11267	2	+	179141595	179141667
TJU_CMC.ID01391.hairpin	11268	2	-	179452124	179452193
TJU_CMC.ID01392.hairpin	11269	2	-	179586562	179586634
TJU_CMC.ID01393.hairpin	11270	2	-	180108712	180108781
TJU_CMC.ID01394.hairpin	11271	2	+	180206792	180206865
TJU_CMC.ID01395.hairpin	11272	2	-	181326203	181326273
TJU_CMC.ID01396.hairpin	11273	2	-	181458784	181458854
TJU_CMC.ID01397.hairpin	11274	2	-	181547817	181547890
TJU_CMC.ID01398.hairpin	11275	2	+	181771365	181771438
TJU_CMC.ID01399.hairpin	11276	2	+	182155104	182155177
TJU_CMC.ID01400.hairpin	11277	2	+	182495567	182495639
TJU_CMC.ID01401.hairpin	11278	2	-	182661537	182661607
TJU_CMC.ID01402.hairpin	11279	2	+	182703061	182703132
TJU_CMC.ID01403.hairpin	11280	2	-	182732454	182732525
TJU_CMC.ID01404.hairpin	11281	2	+	182779026	182779097
TJU_CMC.ID01405.hairpin	11282	2	-	182819059	182819128
TJU_CMC.ID01406.hairpin	11283	2	-	183086552	183086624
TJU_CMC.ID01407.hairpin	11284	2	-	183630223	183630296
TJU_CMC.ID01408.hairpin	11285	2	-	183702371	183702442
TJU_CMC.ID01409.hairpin	11286	2	-	183931710	183931780
TJU_CMC.ID01410.hairpin	11287	2	+	184353262	184353335
TJU_CMC.ID01411.hairpin	11288	2	-	184519557	184519628
TJU_CMC.ID01412.hairpin	11289	2	+	184890381	184890453
TJU_CMC.ID01413.hairpin	11290	2	-	185463470	185463542
TJU_CMC.ID01414.hairpin	11291	2	-	185686184	185686255
TJU_CMC.ID01415.hairpin	11292	2	+	186073202	186073273
TJU_CMC.ID01416.hairpin	11293	2	-	186532487	186532560
TJU_CMC.ID01417.hairpin	11294	2	+	186622673	186622744

Table 1. Novel miRNA sequences

TJU_CMC.ID01418.hairpin	11295	2	-	186764480	186764553
TJU_CMC.ID01419.hairpin	11296	2	-	186876501	186876573
TJU_CMC.ID01420.hairpin	11297	2	-	187833275	187833347
TJU_CMC.ID01421.hairpin	11298	2	-	188351456	188351528
TJU_CMC.ID01422.hairpin	11299	2	+	188801854	188801925
TJU_CMC.ID01423.hairpin	11300	2	-	189063424	189063495
TJU_CMC.ID01424.hairpin	11301	2	-	189980386	189980457
TJU_CMC.ID01425.hairpin	11302	2	+	191001306	191001377
TJU_CMC.ID01426.hairpin	11303	2	+	191115321	191115393
TJU_CMC.ID01427.hairpin	11304	2	+	191183766	191183838
TJU_CMC.ID01428.hairpin	11305	2	+	191426036	191426107
TJU_CMC.ID01429.hairpin	11306	2	-	191502067	191502140
TJU_CMC.ID01430.hairpin	11307	2	-	192503346	192503417
TJU_CMC.ID01431.hairpin	11308	2	+	192590645	192590718
TJU_CMC.ID01432.hairpin	11309	2	+	193601730	193601801
TJU_CMC.ID01433.hairpin	11310	2	+	194137748	194137820
TJU_CMC.ID01434.hairpin	11311	2	-	194351276	194351346
TJU_CMC.ID01435.hairpin	11312	2	-	194609776	194609849
TJU_CMC.ID01436.hairpin	11313	2	+	194622760	194622829
TJU_CMC.ID01437.hairpin	11314	2	-	194763319	194763390
TJU_CMC.ID01438.hairpin	11315	2	-	194970957	194971026
TJU_CMC.ID01439.hairpin	11316	2	+	195071772	195071842
TJU_CMC.ID01440.hairpin	11317	2	+	195095891	195095962
TJU_CMC.ID01441.hairpin	11318	2	-	195848366	195848437
TJU_CMC.ID01442.hairpin	11319	2	-	196073454	196073526
TJU_CMC.ID01443.hairpin	11320	2	-	196368155	196368226
TJU_CMC.ID01444.hairpin	11321	2	-	197115112	197115183
TJU_CMC.ID01445.hairpin	11322	2	+	197260646	197260716
TJU_CMC.ID01446.hairpin	11323	2	+	197290416	197290488
TJU_CMC.ID01447.hairpin	11324	2	+	197307782	197307854
TJU_CMC.ID01448.hairpin	11325	2	-	197352366	197352437

Table 1. Novel miRNA sequences

TJU_CMC.ID01449.hairpin	11326	2	+	197481344	197481415
TJU_CMC.ID01450.hairpin	11327	2	+	197824635	197824707
TJU_CMC.ID01451.hairpin	11328	2	-	199028099	199028172
TJU_CMC.ID01452.hairpin	11329	2	-	200450440	200450509
TJU_CMC.ID01453.hairpin	11330	2	+	200891230	200891302
TJU_CMC.ID01454.hairpin	11331	2	-	200966693	200966766
TJU_CMC.ID01455.hairpin	11332	2	+	201267770	201267841
TJU_CMC.ID01456.hairpin	11333	2	+	201782600	201782672
TJU_CMC.ID01457.hairpin	11334	2	+	202245250	202245322
TJU_CMC.ID01458.hairpin	11335	2	+	202332723	202332794
TJU_CMC.ID01459.hairpin	11336	2	+	202526178	202526250
TJU_CMC.ID01460.hairpin	11337	2	-	202541997	202542066
TJU_CMC.ID01461.hairpin	11338	2	-	202555743	202555815
TJU_CMC.ID01462.hairpin	11339	2	+	202755097	202755168
TJU_CMC.ID01463.hairpin	11340	2	+	202801801	202801870
TJU_CMC.ID01464.hairpin	11341	2	-	202889170	202889240
TJU_CMC.ID01465.hairpin	11342	2	-	203144817	203144886
TJU_CMC.ID01466.hairpin	11343	2	+	203157741	203157814
TJU_CMC.ID01467.hairpin	11344	2	+	203261254	203261323
TJU_CMC.ID01468.hairpin	11345	2	+	203262118	203262189
TJU_CMC.ID01469.hairpin	11346	2	-	203500276	203500349
TJU_CMC.ID01470.hairpin	11347	2	+	204046688	204046760
TJU_CMC.ID01471.hairpin	11348	2	-	204448476	204448547
TJU_CMC.ID01472.hairpin	11349	2	+	204724795	204724866
TJU_CMC.ID01473.hairpin	11350	2	-	204745911	204745982
TJU_CMC.ID01474.hairpin	11351	2	-	204907217	204907286
TJU_CMC.ID01475.hairpin	11352	2	+	205257006	205257076
TJU_CMC.ID01476.hairpin	11353	2	+	205274390	205274460
TJU_CMC.ID01477.hairpin	11354	2	+	205286480	205286550
TJU_CMC.ID01478.hairpin	11355	2	+	205497138	205497211
TJU_CMC.ID01479.hairpin	11356	2	-	205797577	205797646

Table 1. Novel miRNA sequences

TJU_CMC.ID01480.hairpin	11357	2	+	206046116	206046188
TJU_CMC.ID01481.hairpin	11358	2	+	206251444	206251514
TJU_CMC.ID01482.hairpin	11359	2	-	206275758	206275829
TJU_CMC.ID01483.hairpin	11360	2	+	206686701	206686773
TJU_CMC.ID01484.hairpin	11361	2	+	207052909	207052980
TJU_CMC.ID01485.hairpin	11362	2	+	207352202	207352271
TJU_CMC.ID01486.hairpin	11363	2	-	207706714	207706786
TJU_CMC.ID01487.hairpin	11364	2	+	208005388	208005457
TJU_CMC.ID01488.hairpin	11365	2	-	208028465	208028537
TJU_CMC.ID01489.hairpin	11366	2	+	208032100	208032169
TJU_CMC.ID01490.hairpin	11367	2	-	208095481	208095551
TJU_CMC.ID01491.hairpin	11368	2	-	208442302	208442372
TJU_CMC.ID01492.hairpin	11369	2	+	208635012	208635083
TJU_CMC.ID01493.hairpin	11370	2	-	208693260	208693331
TJU_CMC.ID01494.hairpin	11371	2	-	208696804	208696874
TJU_CMC.ID01495.hairpin	11372	2	+	209058005	209058076
TJU_CMC.ID01496.hairpin	11373	2	+	209271497	209271567
TJU_CMC.ID01497.hairpin	11374	2	+	209315108	209315179
TJU_CMC.ID01498.hairpin	11375	2	+	210074817	210074890
TJU_CMC.ID01499.hairpin	11376	2	-	210553569	210553640
TJU_CMC.ID01500.hairpin	11377	2	-	210617557	210617628
TJU_CMC.ID01501.hairpin	11378	2	-	210997533	210997603
TJU_CMC.ID01502.hairpin	11379	2	+	211870322	211870393
TJU_CMC.ID01503.hairpin	11380	2	+	211962071	211962144
TJU_CMC.ID01504.hairpin	11381	2	-	212083187	212083259
TJU_CMC.ID01505.hairpin	11382	2	+	212107743	212107814
TJU_CMC.ID01506.hairpin	11383	2	+	212229780	212229853
TJU_CMC.ID01507.hairpin	11384	2	+	212383804	212383875
TJU_CMC.ID01508.hairpin	11385	2	-	212651394	212651465
TJU_CMC.ID01509.hairpin	11386	2	-	212866258	212866327
TJU_CMC.ID01510.hairpin	11387	2	+	213007175	213007244

Table 1. Novel miRNA sequences

TJU_CMC.ID01511.hairpin	11388	2	+	213094551	213094620
TJU_CMC.ID01512.hairpin	11389	2	-	213094566	213094638
TJU_CMC.ID01513.hairpin	11390	2	-	213152836	213152908
TJU_CMC.ID01514.hairpin	11391	2	-	213276439	213276510
TJU_CMC.ID01515.hairpin	11392	2	+	213511615	213511688
TJU_CMC.ID01516.hairpin	11393	2	-	213690363	213690435
TJU_CMC.ID01517.hairpin	11394	2	+	213921318	213921390
TJU_CMC.ID01518.hairpin	11395	2	+	214375314	214375387
TJU_CMC.ID01519.hairpin	11396	2	+	214980737	214980809
TJU_CMC.ID01520.hairpin	11397	2	-	215007459	215007530
TJU_CMC.ID01521.hairpin	11398	2	+	215888216	215888285
TJU_CMC.ID01522.hairpin	11399	2	-	215896517	215896588
TJU_CMC.ID01523.hairpin	11400	2	-	216787445	216787514
TJU_CMC.ID01524.hairpin	11401	2	+	217162027	217162098
TJU_CMC.ID01525.hairpin	11402	2	-	217447400	217447469
TJU_CMC.ID01526.hairpin	11403	2	+	217474113	217474186
TJU_CMC.ID01527.hairpin	11404	2	-	217623945	217624014
TJU_CMC.ID01528.hairpin	11405	2	-	217776949	217777019
TJU_CMC.ID01529.hairpin	11406	2	+	217801512	217801584
TJU_CMC.ID01530.hairpin	11407	2	-	218046694	218046767
TJU_CMC.ID01531.hairpin	11408	2	-	218432887	218432956
TJU_CMC.ID01532.hairpin	11409	2	-	218477625	218477697
TJU_CMC.ID01533.hairpin	11410	2	+	218516988	218517060
TJU_CMC.ID01534.hairpin	11411	2	-	218590085	218590158
TJU_CMC.ID01535.hairpin	11412	2	+	218825614	218825687
TJU_CMC.ID01536.hairpin	11413	2	+	218973364	218973437
TJU_CMC.ID01537.hairpin	11414	2	-	219377558	219377630
TJU_CMC.ID01538.hairpin	11415	2	+	219689356	219689426
TJU_CMC.ID01539.hairpin	11416	2	+	219725987	219726058
TJU_CMC.ID01540.hairpin	11417	2	+	219786601	219786672
TJU_CMC.ID01541.hairpin	11418	2	+	219824454	219824524

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TJU_CMC.ID01542.hairpin	11419	2	+	219867821	219867893
TJU_CMC.ID01543.hairpin	11420	2	+	220046706	220046775
TJU_CMC.ID01544.hairpin	11421	2	-	220159552	220159624
TJU_CMC.ID01545.hairpin	11422	2	+	220317596	220317667
TJU_CMC.ID01546.hairpin	11423	2	+	220346364	220346433
TJU_CMC.ID01547.hairpin	11424	2	-	220387302	220387371
TJU_CMC.ID01548.hairpin	11425	2	+	220515982	220516054
TJU_CMC.ID01549.hairpin	11426	2	+	220568262	220568334
TJU_CMC.ID01550.hairpin	11427	2	+	220781741	220781813
TJU_CMC.ID01551.hairpin	11428	2	+	220856845	220856918
TJU_CMC.ID01552.hairpin	11429	2	+	221390728	221390799
TJU_CMC.ID01553.hairpin	11430	2	+	221433888	221433958
TJU_CMC.ID01554.hairpin	11431	2	-	221500719	221500791
TJU_CMC.ID01555.hairpin	11432	2	+	221796797	221796866
TJU_CMC.ID01556.hairpin	11433	2	-	221878936	221879008
TJU_CMC.ID01557.hairpin	11434	2	+	221884683	221884756
TJU_CMC.ID01558.hairpin	11435	2	-	222163923	222163993
TJU_CMC.ID01559.hairpin	11436	2	+	222172433	222172502
TJU_CMC.ID01560.hairpin	11437	2	-	222760417	222760488
TJU_CMC.ID01561.hairpin	11438	2	+	223189072	223189141
TJU_CMC.ID01562.hairpin	11439	2	-	224644755	224644827
TJU_CMC.ID01563.hairpin	11440	2	-	224676561	224676633
TJU_CMC.ID01564.hairpin	11441	2	-	224946447	224946520
TJU_CMC.ID01565.hairpin	11442	2	-	225110163	225110235
TJU_CMC.ID01566.hairpin	11443	2	-	225213337	225213407
TJU_CMC.ID01567.hairpin	11444	2	-	225637799	225637872
TJU_CMC.ID01568.hairpin	11445	2	+	226426763	226426835
TJU_CMC.ID01569.hairpin	11446	2	-	226840694	226840764
TJU_CMC.ID01570.hairpin	11447	2	-	227325558	227325628
TJU_CMC.ID01571.hairpin	11448	2	-	227422182	227422251
TJU_CMC.ID01572.hairpin	11449	2	+	228079416	228079488

Table 1. Novel miRNA sequences

TJU_CMC.ID01573.hairpin	11450	2	-	228116190	228116261
TJU_CMC.ID01574.hairpin	11451	2	-	228291244	228291315
TJU_CMC.ID01575.hairpin	11452	2	+	228292241	228292312
TJU_CMC.ID01576.hairpin	11453	2	+	228487595	228487664
TJU_CMC.ID01577.hairpin	11454	2	-	228625144	228625217
TJU_CMC.ID01578.hairpin	11455	2	-	228647047	228647118
TJU_CMC.ID01579.hairpin	11456	2	-	228883929	228884000
TJU_CMC.ID01580.hairpin	11457	2	-	229252284	229252357
TJU_CMC.ID01581.hairpin	11458	2	+	229348842	229348913
TJU_CMC.ID01582.hairpin	11459	2	-	229805791	229805864
TJU_CMC.ID01583.hairpin	11460	2	-	229864312	229864385
TJU_CMC.ID01584.hairpin	11461	2	-	230025898	230025971
TJU_CMC.ID01585.hairpin	11462	2	+	230220467	230220539
TJU_CMC.ID01586.hairpin	11463	2	-	230227109	230227181
TJU_CMC.ID01587.hairpin	11464	2	+	230331241	230331311
TJU_CMC.ID01588.hairpin	11465	2	+	230468334	230468405
TJU_CMC.ID01589.hairpin	11466	2	+	231171296	231171368
TJU_CMC.ID01590.hairpin	11467	2	+	231280414	231280487
TJU_CMC.ID01591.hairpin	11468	2	-	231895580	231895650
TJU_CMC.ID01592.hairpin	11469	2	+	232008424	232008493
TJU_CMC.ID01593.hairpin	11470	2	+	232111443	232111513
TJU_CMC.ID01594.hairpin	11471	2	+	232195083	232195156
TJU_CMC.ID01595.hairpin	11472	2	-	232243557	232243626
TJU_CMC.ID01596.hairpin	11473	2	+	232321160	232321230
TJU_CMC.ID01597.hairpin	11474	2	+	232539868	232539939
TJU_CMC.ID01598.hairpin	11475	2	+	232808933	232809005
TJU_CMC.ID01599.hairpin	11476	2	+	233059494	233059566
TJU_CMC.ID01600.hairpin	11477	2	-	233792934	233793007
TJU_CMC.ID01601.hairpin	11478	2	+	234072940	234073012
TJU_CMC.ID01602.hairpin	11479	2	+	234197379	234197449
TJU_CMC.ID01603.hairpin	11480	2	+	234364267	234364336

Table 1. Novel miRNA sequences

TJU_CMC.ID01604.hairpin	11481	2	-	234603351	234603421
TJU_CMC.ID01605.hairpin	11482	2	-	234873290	234873360
TJU_CMC.ID01606.hairpin	11483	2	+	235014419	235014489
TJU_CMC.ID01607.hairpin	11484	2	+	235272822	235272892
TJU_CMC.ID01608.hairpin	11485	2	-	235534337	235534409
TJU_CMC.ID01609.hairpin	11486	2	+	235681329	235681400
TJU_CMC.ID01610.hairpin	11487	2	+	236195685	236195758
TJU_CMC.ID01611.hairpin	11488	2	+	236209475	236209546
TJU_CMC.ID01612.hairpin	11489	2	+	236453073	236453143
TJU_CMC.ID01613.hairpin	11490	2	-	236462816	236462888
TJU_CMC.ID01614.hairpin	11491	2	+	236479848	236479919
TJU_CMC.ID01615.hairpin	11492	2	+	236684609	236684681
TJU_CMC.ID01616.hairpin	11493	2	-	236730628	236730700
TJU_CMC.ID01617.hairpin	11494	2	-	237002633	237002705
TJU_CMC.ID01618.hairpin	11495	2	+	237473154	237473225
TJU_CMC.ID01619.hairpin	11496	2	-	237485964	237486033
TJU_CMC.ID01620.hairpin	11497	2	+	237660949	237661020
TJU_CMC.ID01621.hairpin	11498	2	+	238285589	238285662
TJU_CMC.ID01622.hairpin	11499	2	-	238378641	238378710
TJU_CMC.ID01623.hairpin	11500	2	+	238602483	238602555
TJU_CMC.ID01624.hairpin	11501	2	+	238706955	238707026
TJU_CMC.ID01625.hairpin	11502	2	-	238857152	238857224
TJU_CMC.ID01626.hairpin	11503	2	+	238994392	238994461
TJU_CMC.ID01627.hairpin	11504	2	-	239043556	239043628
TJU_CMC.ID01628.hairpin	11505	2	+	239148961	239149032
TJU_CMC.ID01629.hairpin	11506	2	-	239471266	239471336
TJU_CMC.ID01630.hairpin	11507	2	-	239796020	239796090
TJU_CMC.ID01631.hairpin	11508	2	-	239995933	239996003
TJU_CMC.ID01632.hairpin	11509	2	-	240039148	240039219
TJU_CMC.ID01633.hairpin	11510	2	-	240304198	240304270
TJU_CMC.ID01634.hairpin	11511	2	+	240322115	240322186

Table 1. Novel miRNA sequences

TJU_CMC.ID01635.hairpin	11512	2	+	240322597	240322669
TJU_CMC.ID01636.hairpin	11513	2	-	240637171	240637243
TJU_CMC.ID01637.hairpin	11514	2	+	240886777	240886850
TJU_CMC.ID01638.hairpin	11515	2	+	241098928	241098999
TJU_CMC.ID01639.hairpin	11516	2	+	241402082	241402153
TJU_CMC.ID01640.hairpin	11517	2	-	241748160	241748229
TJU_CMC.ID01641.hairpin	11518	2	-	241764434	241764505
TJU_CMC.ID01642.hairpin	11519	2	+	241859827	241859898
TJU_CMC.ID01643.hairpin	11520	2	-	242182790	242182862
TJU_CMC.ID01644.hairpin	11521	2	-	242739781	242739852
TJU_CMC.ID01645.hairpin	11522	2	+	242800911	242800984
TJU_CMC.ID01646.hairpin	11523	2	-	242845288	242845361
TJU_CMC.ID01647.hairpin	11524	2	+	242921970	242922041
TJU_CMC.ID01648.hairpin	11525	2	-	242922413	242922482
TJU_CMC.ID01649.hairpin	11526	3	+	512971	513043
TJU_CMC.ID01650.hairpin	11527	3	-	807699	807770
TJU_CMC.ID01651.hairpin	11528	3	-	844747	844820
TJU_CMC.ID01652.hairpin	11529	3	-	1185659	1185729
TJU_CMC.ID01653.hairpin	11530	3	+	1318531	1318603
TJU_CMC.ID01654.hairpin	11531	3	-	2013116	2013187
TJU_CMC.ID01655.hairpin	11532	3	+	2510554	2510624
TJU_CMC.ID01656.hairpin	11533	3	-	2545304	2545374
TJU_CMC.ID01657.hairpin	11534	3	-	2660979	2661050
TJU_CMC.ID01658.hairpin	11535	3	-	2754787	2754858
TJU_CMC.ID01659.hairpin	11536	3	+	3023580	3023652
TJU_CMC.ID01660.hairpin	11537	3	+	3311473	3311544
TJU_CMC.ID01661.hairpin	11538	3	+	3388963	3389034
TJU_CMC.ID01662.hairpin	11539	3	+	3675560	3675630
TJU_CMC.ID01663.hairpin	11540	3	-	3796278	3796347
TJU_CMC.ID01664.hairpin	11541	3	+	3849345	3849416
TJU_CMC.ID01665.hairpin	11542	3	-	4019940	4020011

Table 1. Novel miRNA sequences

TJU_CMC.ID01666.hairpin	11543	3	+	4054688	4054759	
TJU_CMC.ID01667.hairpin	11544	3	+	4751815	4751887	
TJU_CMC.ID01668.hairpin	11545	3	+	5247165	5247236	
TJU_CMC.ID01669.hairpin	11546	3	+	6251294	6251365	
TJU_CMC.ID01670.hairpin	11547	3	-	6392052	6392125	
TJU_CMC.ID01671.hairpin	11548	3	+	7270375	7270446	
TJU_CMC.ID01672.hairpin	11549	3	+	7663489	7663562	
TJU_CMC.ID01673.hairpin	11550	3	+	8042560	8042631	
TJU_CMC.ID01674.hairpin	11551	3	-	8077860	8077932	
TJU_CMC.ID01675.hairpin	11552	3	+	8665490	8665560	
TJU_CMC.ID01676.hairpin	11553	3	+	8888881	8888951	
TJU_CMC.ID01677.hairpin	11554	3	-	9114710	9114783	
TJU_CMC.ID01678.hairpin	11555	3	-	9536851	9536920	
TJU_CMC.ID01679.hairpin	11556	3	+	9974535	9974608	
TJU_CMC.ID01680.hairpin	11557	3	+	10290395	10290465	
TJU_CMC.ID01681.hairpin	11558	3	+	10364885	10364955	
TJU_CMC.ID01682.hairpin	11559	3	-	10411726	10411796	
TJU_CMC.ID01683.hairpin	11560	3	-	10826781	10826853	
TJU_CMC.ID01684.hairpin	11561	3	+	11265601	11265671	
TJU_CMC.ID01685.hairpin	11562	3	+	11441798	11441870	
TJU_CMC.ID01686.hairpin	11563	3	-	11501783	11501854	
TJU_CMC.ID01687.hairpin	11564	3	+	11599783	11599854	
TJU_CMC.ID01688.hairpin	11565	3	+	11657510	11657581	
TJU_CMC.ID01689.hairpin	11566	3	-	11751599	11751668	
TJU_CMC.ID01690.hairpin	11567	3	-	11841300	11841372	
TJU_CMC.ID01691.hairpin	11568	3	+	12001352	12001424	
TJU_CMC.ID01692.hairpin	11569	3	-	12270891	12270960	
TJU_CMC.ID01693.hairpin	11570	3	-	12646324	12646394	
TJU_CMC.ID01694.hairpin	11571	3	+	12943687	12943756	
TJU_CMC.ID01695.hairpin	11572	3	-	13035439	13035509	
TJU_CMC.ID01696.hairpin	11573	3	+	13332323	13332395	

Table 1. Novel miRNA sequences

TJU_CMC.ID01697.hairpin	11574	3	-	13430248	13430321
TJU_CMC.ID01698.hairpin	11575	3	-	13673705	13673778
TJU_CMC.ID01699.hairpin	11576	3	-	13736320	13736393
TJU_CMC.ID01700.hairpin	11577	3	-	14020743	14020813
TJU_CMC.ID01701.hairpin	11578	3	+	14110126	14110197
TJU_CMC.ID01702.hairpin	11579	3	+	14222705	14222776
TJU_CMC.ID01703.hairpin	11580	3	+	14505376	14505446
TJU_CMC.ID01704.hairpin	11581	3	+	14544843	14544915
TJU_CMC.ID01705.hairpin	11582	3	-	14840104	14840177
TJU_CMC.ID01706.hairpin	11583	3	+	16050281	16050352
TJU_CMC.ID01707.hairpin	11584	3	-	16092770	16092839
TJU_CMC.ID01708.hairpin	11585	3	+	16110487	16110560
TJU_CMC.ID01709.hairpin	11586	3	+	16427636	16427708
TJU_CMC.ID01710.hairpin	11587	3	+	16797768	16797839
TJU_CMC.ID01711.hairpin	11588	3	-	16807070	16807139
TJU_CMC.ID01712.hairpin	11589	3	-	16811747	16811816
TJU_CMC.ID01713.hairpin	11590	3	-	16936949	16937021
TJU_CMC.ID01714.hairpin	11591	3	-	17283472	17283545
TJU_CMC.ID01715.hairpin	11592	3	-	17428457	17428527
TJU_CMC.ID01716.hairpin	11593	3	+	17910820	17910889
TJU_CMC.ID01717.hairpin	11594	3	-	18426347	18426418
TJU_CMC.ID01718.hairpin	11595	3	+	18702772	18702843
TJU_CMC.ID01719.hairpin	11596	3	+	19784260	19784333
TJU_CMC.ID01720.hairpin	11597	3	-	19932108	19932179
TJU_CMC.ID01721.hairpin	11598	3	+	20256542	20256614
TJU_CMC.ID01722.hairpin	11599	3	+	21221103	21221175
TJU_CMC.ID01723.hairpin	11600	3	+	21471895	21471966
TJU_CMC.ID01724.hairpin	11601	3	-	21536012	21536084
TJU_CMC.ID01725.hairpin	11602	3	+	21716977	21717046
TJU_CMC.ID01726.hairpin	11603	3	+	21896240	21896310
TJU_CMC.ID01727.hairpin	11604	3	-	22250063	22250132

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TJU_CMC.ID01728.hairpin	11605	3	+	22637527	22637598
TJU_CMC.ID01729.hairpin	11606	3	-	22787189	22787260
TJU_CMC.ID01730.hairpin	11607	3	+	22914048	22914120
TJU_CMC.ID01731.hairpin	11608	3	-	23119939	23120012
TJU_CMC.ID01732.hairpin	11609	3	-	23193414	23193487
TJU_CMC.ID01733.hairpin	11610	3	+	23273635	23273705
TJU_CMC.ID01734.hairpin	11611	3	-	24310867	24310940
TJU_CMC.ID01735.hairpin	11612	3	+	24354427	24354498
TJU_CMC.ID01736.hairpin	11613	3	+	25276592	25276663
TJU_CMC.ID01737.hairpin	11614	3	-	25464493	25464565
TJU_CMC.ID01738.hairpin	11615	3	+	26322908	26322978
TJU_CMC.ID01739.hairpin	11616	3	+	26528863	26528934
TJU_CMC.ID01740.hairpin	11617	3	+	26658175	26658247
TJU_CMC.ID01741.hairpin	11618	3	-	27013117	27013189
TJU_CMC.ID01742.hairpin	11619	3	-	27063165	27063234
TJU_CMC.ID01743.hairpin	11620	3	+	27366533	27366604
TJU_CMC.ID01744.hairpin	11621	3	-	27408201	27408273
TJU_CMC.ID01745.hairpin	11622	3	+	28798331	28798401
TJU_CMC.ID01746.hairpin	11623	3	-	29000902	29000975
TJU_CMC.ID01747.hairpin	11624	3	+	29604565	29604635
TJU_CMC.ID01748.hairpin	11625	3	+	29941957	29942026
TJU_CMC.ID01749.hairpin	11626	3	+	30294043	30294113
TJU_CMC.ID01750.hairpin	11627	3	-	32027751	32027824
TJU_CMC.ID01751.hairpin	11628	3	-	32634978	32635050
TJU_CMC.ID01752.hairpin	11629	3	+	32791666	32791738
TJU_CMC.ID01753.hairpin	11630	3	-	33330099	33330170
TJU_CMC.ID01754.hairpin	11631	3	+	33507661	33507730
TJU_CMC.ID01755.hairpin	11632	3	-	33691173	33691242
TJU_CMC.ID01756.hairpin	11633	3	-	35266164	35266236
TJU_CMC.ID01757.hairpin	11634	3	-	35281003	35281073
TJU_CMC.ID01758.hairpin	11635	3	-	36115708	36115778

Table 1. Novel miRNA sequences

TJU_CMC.ID01759.hairpin	11636	3	-	36326791	36326863
TJU_CMC.ID01760.hairpin	11637	3	-	36556794	36556866
TJU_CMC.ID01761.hairpin	11638	3	+	36984534	36984607
TJU_CMC.ID01762.hairpin	11639	3	+	37404194	37404266
TJU_CMC.ID01763.hairpin	11640	3	+	37426014	37426084
TJU_CMC.ID01764.hairpin	11641	3	+	37483404	37483475
TJU_CMC.ID01765.hairpin	11642	3	-	37636593	37636664
TJU_CMC.ID01766.hairpin	11643	3	+	38012173	38012248
TJU_CMC.ID01766.hairpin	11644	3	+	38012173	38012248
TJU_CMC.ID01767.hairpin	11645	3	+	38815748	38815821
TJU_CMC.ID01768.hairpin	11646	3	-	38965415	38965487
TJU_CMC.ID01769.hairpin	11647	3	-	39150532	39150603
TJU_CMC.ID01770.hairpin	11648	3	+	39195296	39195367
TJU_CMC.ID01771.hairpin	11649	3	-	39329256	39329326
TJU_CMC.ID01772.hairpin	11650	3	+	39610096	39610166
TJU_CMC.ID01773.hairpin	11651	3	-	39789573	39789646
TJU_CMC.ID01774.hairpin	11652	3	+	40062409	40062482
TJU_CMC.ID01775.hairpin	11653	3	+	40430871	40430940
TJU_CMC.ID01776.hairpin	11654	3	+	40555375	40555444
TJU_CMC.ID01777.hairpin	11655	3	-	41116063	41116134
TJU_CMC.ID01778.hairpin	11656	3	-	42204224	42204297
TJU_CMC.ID01779.hairpin	11657	3	-	42430078	42430149
TJU_CMC.ID01780.hairpin	11658	3	+	42696254	42696323
TJU_CMC.ID01781.hairpin	11659	3	+	43214712	43214783
TJU_CMC.ID01782.hairpin	11660	3	+	43223186	43223257
TJU_CMC.ID01783.hairpin	11661	3	-	43279108	43279179
TJU_CMC.ID01784.hairpin	11662	3	-	43353652	43353723
TJU_CMC.ID01785.hairpin	11663	3	+	43828858	43828930
TJU_CMC.ID01786.hairpin	11664	3	+	44229157	44229229
TJU_CMC.ID01787.hairpin	11665	3	+	44709628	44709700
TJU_CMC.ID01788.hairpin	11666	3	+	44960138	44960207

Table 1. Novel miRNA sequences

TJU_CMC.ID01789.hairpin	11667	3	+	45331321	45331393
TJU_CMC.ID01790.hairpin	11668	3	+	45567409	45567478
TJU_CMC.ID01791.hairpin	11669	3	+	45803582	45803651
TJU_CMC.ID01792.hairpin	11670	3	-	46101955	46102025
TJU_CMC.ID01793.hairpin	11671	3	+	46960817	46960889
TJU_CMC.ID01794.hairpin	11672	3	+	46989215	46989286
TJU_CMC.ID01795.hairpin	11673	3	+	47043342	47043413
TJU_CMC.ID01796.hairpin	11674	3	+	47093509	47093578
TJU_CMC.ID01797.hairpin	11675	3	-	47549632	47549701
TJU_CMC.ID01798.hairpin	11676	3	-	47722764	47722837
TJU_CMC.ID01799.hairpin	11677	3	-	47900891	47900964
TJU_CMC.ID01800.hairpin	11678	3	+	48281864	48281937
TJU_CMC.ID01801.hairpin	11679	3	+	48477790	48477863
TJU_CMC.ID01802.hairpin	11680	3	+	48642125	48642195
TJU_CMC.ID01803.hairpin	11681	3	+	48674900	48674970
TJU_CMC.ID01804.hairpin	11682	3	-	48717657	48717728
TJU_CMC.ID01805.hairpin	11683	3	-	48719457	48719530
TJU_CMC.ID01806.hairpin	11684	3	+	48767170	48767239
TJU_CMC.ID01807.hairpin	11685	3	+	48892685	48892756
TJU_CMC.ID01808.hairpin	11686	3	-	48945475	48945548
TJU_CMC.ID01809.hairpin	11687	3	+	49058060	49058133
TJU_CMC.ID01810.hairpin	11688	3	+	49153974	49154046
TJU_CMC.ID01811.hairpin	11689	3	+	49386510	49386579
TJU_CMC.ID01812.hairpin	11690	3	+	49555650	49555721
TJU_CMC.ID01813.hairpin	11691	3	-	49601161	49601234
TJU_CMC.ID01814.hairpin	11692	3	+	50003640	50003711
TJU_CMC.ID01815.hairpin	11693	3	+	50204147	50204216
TJU_CMC.ID01816.hairpin	11694	3	+	50325670	50325741
TJU_CMC.ID01817.hairpin	11695	3	-	50567789	50567860
TJU_CMC.ID01818.hairpin	11696	3	+	50892843	50892914
TJU_CMC.ID01819.hairpin	11697	3	-	51435067	51435138

Table 1. Novel miRNA sequences

TJU_CMC.ID01820.hairpin	11698	3	+	51572934	51573006
TJU_CMC.ID01821.hairpin	11699	3	-	51632345	51632418
TJU_CMC.ID01822.hairpin	11700	3	+	51743177	51743250
TJU_CMC.ID01823.hairpin	11701	3	+	51970009	51970080
TJU_CMC.ID01824.hairpin	11702	3	-	52011566	52011635
TJU_CMC.ID01825.hairpin	11703	3	-	52082167	52082236
TJU_CMC.ID01826.hairpin	11704	3	+	52123935	52124007
TJU_CMC.ID01827.hairpin	11705	3	-	52125718	52125790
TJU_CMC.ID01828.hairpin	11706	3	-	52158335	52158405
TJU_CMC.ID01829.hairpin	11707	3	+	52427964	52428035
TJU_CMC.ID01830.hairpin	11708	3	+	52557373	52557446
TJU_CMC.ID01831.hairpin	11709	3	-	53079119	53079190
TJU_CMC.ID01832.hairpin	11710	3	-	53272729	53272801
TJU_CMC.ID01833.hairpin	11711	3	+	53480611	53480683
TJU_CMC.ID01834.hairpin	11712	3	+	53797068	53797139
TJU_CMC.ID01835.hairpin	11713	3	+	54031036	54031109
TJU_CMC.ID01836.hairpin	11714	3	-	54096671	54096743
TJU_CMC.ID01837.hairpin	11715	3	-	54660231	54660304
TJU_CMC.ID01838.hairpin	11716	3	+	54702815	54702885
TJU_CMC.ID01839.hairpin	11717	3	-	55145988	55146059
TJU_CMC.ID01840.hairpin	11718	3	-	55217365	55217437
TJU_CMC.ID01841.hairpin	11719	3	-	55556258	55556330
TJU_CMC.ID01842.hairpin	11720	3	+	55820891	55820960
TJU_CMC.ID01843.hairpin	11721	3	-	56079186	56079256
TJU_CMC.ID01844.hairpin	11722	3	+	56089847	56089919
TJU_CMC.ID01845.hairpin	11723	3	+	56838692	56838764
TJU_CMC.ID01846.hairpin	11724	3	-	56908771	56908843
TJU_CMC.ID01847.hairpin	11725	3	-	56953970	56954043
TJU_CMC.ID01848.hairpin	11726	3	+	57046859	57046932
TJU_CMC.ID01849.hairpin	11727	3	-	57072750	57072822
TJU_CMC.ID01850.hairpin	11728	3	-	57201029	57201102

Table 1. Novel miRNA sequences

TJU_CMC.ID01851.hairpin	11729	3	-	58150355	58150425
TJU_CMC.ID01852.hairpin	11730	3	-	58447141	58447212
TJU_CMC.ID01853.hairpin	11731	3	-	58707148	58707221
TJU_CMC.ID01854.hairpin	11732	3	-	58732598	58732669
TJU_CMC.ID01855.hairpin	11733	3	-	58760974	58761045
TJU_CMC.ID01856.hairpin	11734	3	+	58851264	58851335
TJU_CMC.ID01857.hairpin	11735	3	+	59716044	59716115
TJU_CMC.ID01858.hairpin	11736	3	-	59756236	59756307
TJU_CMC.ID01859.hairpin	11737	3	-	59835143	59835214
TJU_CMC.ID01860.hairpin	11738	3	-	60025236	60025307
TJU_CMC.ID01861.hairpin	11739	3	+	60141323	60141393
TJU_CMC.ID01862.hairpin	11740	3	-	60387002	60387074
TJU_CMC.ID01863.hairpin	11741	3	-	62162062	62162134
TJU_CMC.ID01864.hairpin	11742	3	+	62227866	62227935
TJU_CMC.ID01865.hairpin	11743	3	-	62861162	62861233
TJU_CMC.ID01866.hairpin	11744	3	-	63024451	63024523
TJU_CMC.ID01867.hairpin	11745	3	-	63311435	63311506
TJU_CMC.ID01868.hairpin	11746	3	-	63786616	63786687
TJU_CMC.ID01869.hairpin	11747	3	-	63849635	63849707
TJU_CMC.ID01870.hairpin	11748	3	+	63896729	63896800
TJU_CMC.ID01871.hairpin	11749	3	+	64373598	64373671
TJU_CMC.ID01872.hairpin	11750	3	-	64488945	64489017
TJU_CMC.ID01873.hairpin	11751	3	-	65054117	65054188
TJU_CMC.ID01874.hairpin	11752	3	-	65163322	65163392
TJU_CMC.ID01875.hairpin	11753	3	+	65252987	65253059
TJU_CMC.ID01876.hairpin	11754	3	-	65501318	65501390
TJU_CMC.ID01877.hairpin	11755	3	-	65941099	65941169
TJU_CMC.ID01878.hairpin	11756	3	-	65977031	65977101
TJU_CMC.ID01879.hairpin	11757	3	-	66047401	66047473
TJU_CMC.ID01880.hairpin	11758	3	+	66121204	66121277
TJU_CMC.ID01881.hairpin	11759	3	-	67569703	67569775

Table 1. Novel miRNA sequences

TJU_CMC.ID01882.hairpin	11760	3	-	67882219	67882290
TJU_CMC.ID01883.hairpin	11761	3	+	68046441	68046514
TJU_CMC.ID01884.hairpin	11762	3	+	68049941	68050011
TJU_CMC.ID01885.hairpin	11763	3	+	68323718	68323790
TJU_CMC.ID01886.hairpin	11764	3	-	68376803	68376875
TJU_CMC.ID01887.hairpin	11765	3	-	68752130	68752201
TJU_CMC.ID01888.hairpin	11766	3	+	69227188	69227260
TJU_CMC.ID01889.hairpin	11767	3	-	69308916	69308987
TJU_CMC.ID01890.hairpin	11768	3	+	69420335	69420407
TJU_CMC.ID01891.hairpin	11769	3	+	69455775	69455847
TJU_CMC.ID01892.hairpin	11770	3	+	69923669	69923741
TJU_CMC.ID01893.hairpin	11771	3	-	70757633	70757704
TJU_CMC.ID01894.hairpin	11772	3	+	70785246	70785318
TJU_CMC.ID01895.hairpin	11773	3	+	71299628	71299698
TJU_CMC.ID01896.hairpin	11774	3	-	71512068	71512140
TJU_CMC.ID01897.hairpin	11775	3	+	71624167	71624240
TJU_CMC.ID01898.hairpin	11776	3	-	71928774	71928845
TJU_CMC.ID01899.hairpin	11777	3	+	72050782	72050854
TJU_CMC.ID01900.hairpin	11778	3	+	72415633	72415706
TJU_CMC.ID01901.hairpin	11779	3	+	72589703	72589774
TJU_CMC.ID01902.hairpin	11780	3	+	72948738	72948809
TJU_CMC.ID01903.hairpin	11781	3	+	73306023	73306096
TJU_CMC.ID01904.hairpin	11782	3	-	73356237	73356309
TJU_CMC.ID01905.hairpin	11783	3	-	73447530	73447599
TJU_CMC.ID01906.hairpin	11784	3	+	73465368	73465441
TJU_CMC.ID01907.hairpin	11785	3	-	73569024	73569096
TJU_CMC.ID01908.hairpin	11786	3	-	73743451	73743520
TJU_CMC.ID01909.hairpin	11787	3	+	73875134	73875207
TJU_CMC.ID01910.hairpin	11788	3	-	75212160	75212229
TJU_CMC.ID01911.hairpin	11789	3	-	75305375	75305446
TJU_CMC.ID01912.hairpin	11790	3	-	75718013	75718082

Table 1. Novel miRNA sequences

TJU_CMC.ID01913.hairpin	11791	3	-	75827167	75827238
TJU_CMC.ID01914.hairpin	11792	3	-	76306136	76306207
TJU_CMC.ID01915.hairpin	11793	3	+	76397496	76397569
TJU_CMC.ID01916.hairpin	11794	3	-	76748293	76748364
TJU_CMC.ID01917.hairpin	11795	3	+	77461746	77461816
TJU_CMC.ID01918.hairpin	11796	3	-	77965487	77965560
TJU_CMC.ID01919.hairpin	11797	3	-	78889419	78889490
TJU_CMC.ID01920.hairpin	11798	3	+	79063660	79063731
TJU_CMC.ID01921.hairpin	11799	3	-	79438756	79438826
TJU_CMC.ID01922.hairpin	11800	3	-	79471950	79472022
TJU_CMC.ID01923.hairpin	11801	3	-	79610107	79610177
TJU_CMC.ID01924.hairpin	11802	3	+	79725930	79726001
TJU_CMC.ID01925.hairpin	11803	3	-	80016472	80016543
TJU_CMC.ID01926.hairpin	11804	3	-	80262700	80262771
TJU_CMC.ID01927.hairpin	11805	3	+	80388934	80389005
TJU_CMC.ID01928.hairpin	11806	3	+	80710312	80710383
TJU_CMC.ID01929.hairpin	11807	3	-	81029643	81029715
TJU_CMC.ID01930.hairpin	11808	3	+	81198022	81198093
TJU_CMC.ID01931.hairpin	11809	3	+	81800314	81800386
TJU_CMC.ID01932.hairpin	11810	3	-	82267833	82267905
TJU_CMC.ID01933.hairpin	11811	3	-	83802109	83802181
TJU_CMC.ID01934.hairpin	11812	3	-	85679340	85679410
TJU_CMC.ID01935.hairpin	11813	3	-	85982222	85982291
TJU_CMC.ID01936.hairpin	11814	3	-	86085800	86085872
TJU_CMC.ID01937.hairpin	11815	3	-	86595619	86595692
TJU_CMC.ID01938.hairpin	11816	3	-	88072103	88072173
TJU_CMC.ID01939.hairpin	11817	3	-	88327690	88327760
TJU_CMC.ID01940.hairpin	11818	3	+	88520765	88520836
TJU_CMC.ID01941.hairpin	11819	3	-	88558886	88558957
TJU_CMC.ID01942.hairpin	11820	3	-	88623574	88623644
TJU_CMC.ID01943.hairpin	11821	3	-	88907629	88907701

Table 1. Novel miRNA sequences

TJU_CMC.ID01944.hairpin	11822	3	-	89182947	89183018	
TJU_CMC.ID01945.hairpin	11823	3	+	89508222	89508291	
TJU_CMC.ID01946.hairpin	11824	3	-	90095416	90095487	
TJU_CMC.ID01947.hairpin	11825	3	-	94035184	94035257	
TJU_CMC.ID01948.hairpin	11826	3	-	94250475	94250545	
TJU_CMC.ID01949.hairpin	11827	3	-	94291280	94291353	
TJU_CMC.ID01950.hairpin	11828	3	-	95272853	95272923	
TJU_CMC.ID01951.hairpin	11829	3	-	95374737	95374808	
TJU_CMC.ID01952.hairpin	11830	3	-	95807133	95807204	
TJU_CMC.ID01953.hairpin	11831	3	+	96212259	96212331	
TJU_CMC.ID01954.hairpin	11832	3	+	96262939	96263010	
TJU_CMC.ID01955.hairpin	11833	3	-	96503850	96503922	
TJU_CMC.ID01956.hairpin	11834	3	-	96712430	96712502	
TJU_CMC.ID01957.hairpin	11835	3	-	97041272	97041345	
TJU_CMC.ID01958.hairpin	11836	3	+	97087750	97087819	
TJU_CMC.ID01959.hairpin	11837	3	-	97766157	97766228	
TJU_CMC.ID01960.hairpin	11838	3	+	97960133	97960206	
TJU_CMC.ID01961.hairpin	11839	3	+	98003002	98003073	
TJU_CMC.ID01962.hairpin	11840	3	+	99004828	99004898	
TJU_CMC.ID01963.hairpin	11841	3	-	99347702	99347775	
TJU_CMC.ID01964.hairpin	11842	3	+	99482502	99482575	
TJU_CMC.ID01965.hairpin	11843	3	-	99619060	99619132	
TJU_CMC.ID01966.hairpin	11844	3	+	99658547	99658617	
TJU_CMC.ID01967.hairpin	11845	3	+	99718454	99718525	
TJU_CMC.ID01968.hairpin	11846	3	-	100333514	100333586	
TJU_CMC.ID01969.hairpin	11847	3	-	100477296	100477367	
TJU_CMC.ID01970.hairpin	11848	3	-	100493974	100494044	
TJU_CMC.ID01971.hairpin	11849	3	-	100744919	100744990	
TJU_CMC.ID01972.hairpin	11850	3	-	100872577	100872646	
TJU_CMC.ID01973.hairpin	11851	3	+	101594386	101594455	
TJU_CMC.ID01974.hairpin	11852	3	-	101616770	101616841	

Table 1. Novel miRNA sequences

TJU_CMC.ID01975.hairpin	11853	3	+	101750349	101750419
TJU_CMC.ID01976.hairpin	11854	3	-	102587529	102587598
TJU_CMC.ID01977.hairpin	11855	3	+	102758749	102758821
TJU_CMC.ID01978.hairpin	11856	3	+	103165556	103165626
TJU_CMC.ID01979.hairpin	11857	3	+	104397558	104397630
TJU_CMC.ID01980.hairpin	11858	3	-	104815219	104815290
TJU_CMC.ID01981.hairpin	11859	3	+	105072226	105072296
TJU_CMC.ID01982.hairpin	11860	3	-	105240817	105240889
TJU_CMC.ID01983.hairpin	11861	3	-	106325357	106325430
TJU_CMC.ID01984.hairpin	11862	3	+	106483681	106483752
TJU_CMC.ID01985.hairpin	11863	3	+	107009841	107009910
TJU_CMC.ID01986.hairpin	11864	3	+	107219742	107219812
TJU_CMC.ID01987.hairpin	11865	3	+	107680096	107680165
TJU_CMC.ID01988.hairpin	11866	3	+	107710206	107710279
TJU_CMC.ID01989.hairpin	11867	3	+	107951172	107951244
TJU_CMC.ID01990.hairpin	11868	3	+	108161864	108161933
TJU_CMC.ID01991.hairpin	11869	3	-	109550231	109550300
TJU_CMC.ID01992.hairpin	11870	3	+	110264137	110264209
TJU_CMC.ID01993.hairpin	11871	3	-	111309670	111309739
TJU_CMC.ID01994.hairpin	11872	3	+	111455854	111455925
TJU_CMC.ID01995.hairpin	11873	3	+	111510166	111510237
TJU_CMC.ID01996.hairpin	11874	3	-	112052331	112052403
TJU_CMC.ID01997.hairpin	11875	3	+	112453164	112453235
TJU_CMC.ID01998.hairpin	11876	3	+	112731311	112731383
TJU_CMC.ID01999.hairpin	11877	3	-	112786678	112786749
TJU_CMC.ID02000.hairpin	11878	3	-	112888164	112888233
TJU_CMC.ID02001.hairpin	11879	3	-	112906325	112906394
TJU_CMC.ID02002.hairpin	11880	3	+	112968102	112968172
TJU_CMC.ID02003.hairpin	11881	3	-	113352998	113353070
TJU_CMC.ID02004.hairpin	11882	3	+	113379360	113379431
TJU_CMC.ID02005.hairpin	11883	3	+	114023496	114023569

Table 1. Novel miRNA sequences

TJU_CMC.ID02006.hairpin	11884	3	+	114024851	114024923
TJU_CMC.ID02007.hairpin	11885	3	+	114316311	114316380
TJU_CMC.ID02008.hairpin	11886	3	-	115075005	115075077
TJU_CMC.ID02009.hairpin	11887	3	+	115150162	115150233
TJU_CMC.ID02010.hairpin	11888	3	+	115372339	115372410
TJU_CMC.ID02011.hairpin	11889	3	-	116252969	116253041
TJU_CMC.ID02012.hairpin	11890	3	+	116581829	116581901
TJU_CMC.ID02013.hairpin	11891	3	+	116670017	116670086
TJU_CMC.ID02014.hairpin	11892	3	+	117272261	117272332
TJU_CMC.ID02015.hairpin	11893	3	-	117589133	117589204
TJU_CMC.ID02016.hairpin	11894	3	+	117704036	117704105
TJU_CMC.ID02017.hairpin	11895	3	-	117899123	117899194
TJU_CMC.ID02018.hairpin	11896	3	+	118093602	118093675
TJU_CMC.ID02019.hairpin	11897	3	+	118424333	118424403
TJU_CMC.ID02020.hairpin	11898	3	+	118473957	118474029
TJU_CMC.ID02021.hairpin	11899	3	+	119184148	119184220
TJU_CMC.ID02022.hairpin	11900	3	+	119245131	119245200
TJU_CMC.ID02023.hairpin	11901	3	+	119402408	119402478
TJU_CMC.ID02024.hairpin	11902	3	-	119963695	119963768
TJU_CMC.ID02025.hairpin	11903	3	+	120712363	120712433
TJU_CMC.ID02026.hairpin	11904	3	-	121528623	121528693
TJU_CMC.ID02027.hairpin	11905	3	-	121744337	121744409
TJU_CMC.ID02028.hairpin	11906	3	-	121888889	121888962
TJU_CMC.ID02029.hairpin	11907	3	+	122418343	122418413
TJU_CMC.ID02030.hairpin	11908	3	+	122599719	122599790
TJU_CMC.ID02031.hairpin	11909	3	-	122692544	122692614
TJU_CMC.ID02032.hairpin	11910	3	-	123056433	123056505
TJU_CMC.ID02033.hairpin	11911	3	-	123381073	123381143
TJU_CMC.ID02034.hairpin	11912	3	-	123395902	123395974
TJU_CMC.ID02035.hairpin	11913	3	+	123477930	123478001
TJU_CMC.ID02036.hairpin	11914	3	-	123500550	123500619

Table 1. Novel miRNA sequences

TJU_CMC.ID02037.hairpin	11915	3	+	124327606	124327677
TJU_CMC.ID02038.hairpin	11916	3	-	124516750	124516821
TJU_CMC.ID02039.hairpin	11917	3	+	124563475	124563545
TJU_CMC.ID02040.hairpin	11918	3	-	124585207	124585278
TJU_CMC.ID02041.hairpin	11919	3	+	124658505	124658576
TJU_CMC.ID02042.hairpin	11920	3	-	124718566	124718636
TJU_CMC.ID02043.hairpin	11921	3	+	124747612	124747682
TJU_CMC.ID02044.hairpin	11922	3	+	124932934	124933006
TJU_CMC.ID02045.hairpin	11923	3	-	124973143	124973215
TJU_CMC.ID02046.hairpin	11924	3	-	125062893	125062962
TJU_CMC.ID02047.hairpin	11925	3	+	126101037	126101106
TJU_CMC.ID02048.hairpin	11926	3	-	126538371	126538443
TJU_CMC.ID02049.hairpin	11927	3	-	126727759	126727832
TJU_CMC.ID02050.hairpin	11928	3	+	126797821	126797894
TJU_CMC.ID02051.hairpin	11929	3	+	126826267	126826336
TJU_CMC.ID02052.hairpin	11930	3	-	127366656	127366728
TJU_CMC.ID02053.hairpin	11931	3	-	127633382	127633455
TJU_CMC.ID02054.hairpin	11932	3	-	127844954	127845027
TJU_CMC.ID02055.hairpin	11933	3	+	127852044	127852115
TJU_CMC.ID02056.hairpin	11934	3	+	127880703	127880775
TJU_CMC.ID02057.hairpin	11935	3	+	127886204	127886275
TJU_CMC.ID02058.hairpin	11936	3	-	128111039	128111108
TJU_CMC.ID02059.hairpin	11937	3	+	128399310	128399382
TJU_CMC.ID02060.hairpin	11938	3	-	128679089	128679158
TJU_CMC.ID02061.hairpin	11939	3	+	129250829	129250900
TJU_CMC.ID02062.hairpin	11940	3	-	129317345	129317416
TJU_CMC.ID02063.hairpin	11941	3	-	129319881	129319954
TJU_CMC.ID02064.hairpin	11942	3	-	129685483	129685555
TJU_CMC.ID02065.hairpin	11943	3	+	131725579	131725650
TJU_CMC.ID02066.hairpin	11944	3	+	132511239	132511309
TJU_CMC.ID02067.hairpin	11945	3	-	132984234	132984305

Table 1. Novel miRNA sequences

TJU_CMC.ID02068.hairpin	11946	3	+	133094311	133094384
TJU_CMC.ID02069.hairpin	11947	3	-	133111593	133111665
TJU_CMC.ID02070.hairpin	11948	3	-	133689434	133689505
TJU_CMC.ID02071.hairpin	11949	3	+	133690534	133690605
TJU_CMC.ID02072.hairpin	11950	3	+	133780296	133780369
TJU_CMC.ID02073.hairpin	11951	3	+	133782035	133782106
TJU_CMC.ID02074.hairpin	11952	3	-	134127394	134127465
TJU_CMC.ID02075.hairpin	11953	3	-	134313855	134313924
TJU_CMC.ID02076.hairpin	11954	3	+	134656630	134656699
TJU_CMC.ID02077.hairpin	11955	3	-	134794555	134794628
TJU_CMC.ID02078.hairpin	11956	3	-	135407689	135407760
TJU_CMC.ID02079.hairpin	11957	3	-	135609475	135609547
TJU_CMC.ID02080.hairpin	11958	3	+	136252462	136252531
TJU_CMC.ID02081.hairpin	11959	3	+	136670746	136670816
TJU_CMC.ID02082.hairpin	11960	3	+	136784089	136784162
TJU_CMC.ID02083.hairpin	11961	3	+	137808151	137808220
TJU_CMC.ID02084.hairpin	11962	3	+	138703745	138703816
TJU_CMC.ID02085.hairpin	11963	3	+	139553198	139553271
TJU_CMC.ID02086.hairpin	11964	3	+	139734092	139734164
TJU_CMC.ID02087.hairpin	11965	3	-	139810637	139810708
TJU_CMC.ID02088.hairpin	11966	3	-	139827191	139827263
TJU_CMC.ID02089.hairpin	11967	3	+	139981201	139981271
TJU_CMC.ID02090.hairpin	11968	3	+	140056653	140056726
TJU_CMC.ID02091.hairpin	11969	3	-	140277536	140277605
TJU_CMC.ID02092.hairpin	11970	3	-	140660749	140660819
TJU_CMC.ID02093.hairpin	11971	3	-	140770402	140770474
TJU_CMC.ID02094.hairpin	11972	3	+	140938658	140938728
TJU_CMC.ID02095.hairpin	11973	3	-	141135259	141135330
TJU_CMC.ID02096.hairpin	11974	3	+	141304673	141304744
TJU_CMC.ID02097.hairpin	11975	3	-	142145211	142145283
TJU_CMC.ID02098.hairpin	11976	3	+	142564450	142564520

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TJU_CMC.ID02099.hairpin	11977	3	+	143130107	143130178
TJU_CMC.ID02100.hairpin	11978	3	+	143961295	143961368
TJU_CMC.ID02101.hairpin	11979	3	-	144042571	144042640
TJU_CMC.ID02102.hairpin	11980	3	-	144122815	144122886
TJU_CMC.ID02103.hairpin	11981	3	+	144667727	144667800
TJU_CMC.ID02104.hairpin	11982	3	-	145018738	145018810
TJU_CMC.ID02105.hairpin	11983	3	+	145858151	145858222
TJU_CMC.ID02106.hairpin	11984	3	-	146693408	146693480
TJU_CMC.ID02107.hairpin	11985	3	+	147248916	147248985
TJU_CMC.ID02108.hairpin	11986	3	-	148270971	148271042
TJU_CMC.ID02109.hairpin	11987	3	+	149879068	149879141
TJU_CMC.ID02110.hairpin	11988	3	-	149937153	149937224
TJU_CMC.ID02111.hairpin	11989	3	-	149959089	149959159
TJU_CMC.ID02112.hairpin	11990	3	+	150480025	150480096
TJU_CMC.ID02113.hairpin	11991	3	-	150547124	150547197
TJU_CMC.ID02114.hairpin	11992	3	+	152065411	152065484
TJU_CMC.ID02115.hairpin	11993	3	+	152160462	152160533
TJU_CMC.ID02116.hairpin	11994	3	-	152781182	152781251
TJU_CMC.ID02117.hairpin	11995	3	-	153621131	153621204
TJU_CMC.ID02118.hairpin	11996	3	+	153869780	153869851
TJU_CMC.ID02119.hairpin	11997	3	+	154768731	154768802
TJU_CMC.ID02120.hairpin	11998	3	-	154926383	154926454
TJU_CMC.ID02121.hairpin	11999	3	+	155591271	155591343
TJU_CMC.ID02122.hairpin	12000	3	+	155665515	155665588
TJU_CMC.ID02123.hairpin	12001	3	-	156038867	156038938
TJU_CMC.ID02124.hairpin	12002	3	-	156233239	156233311
TJU_CMC.ID02125.hairpin	12003	3	+	156245850	156245922
TJU_CMC.ID02126.hairpin	12004	3	+	156304895	156304966
TJU_CMC.ID02127.hairpin	12005	3	-	157017735	157017806
TJU_CMC.ID02128.hairpin	12006	3	-	157163847	157163920
TJU_CMC.ID02129.hairpin	12007	3	+	157298047	157298118

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TJU_CMC.ID02130.hairpin	12008	3	+	157392353	157392426
TJU_CMC.ID02131.hairpin	12009	3	+	157420437	157420508
TJU_CMC.ID02132.hairpin	12010	3	-	158752988	158753059
TJU_CMC.ID02133.hairpin	12011	3	+	159030521	159030590
TJU_CMC.ID02134.hairpin	12012	3	+	159183561	159183633
TJU_CMC.ID02135.hairpin	12013	3	-	159251814	159251885
TJU_CMC.ID02136.hairpin	12014	3	-	159339494	159339564
TJU_CMC.ID02137.hairpin	12015	3	-	159525757	159525827
TJU_CMC.ID02138.hairpin	12016	3	+	161469897	161469969
TJU_CMC.ID02139.hairpin	12017	3	+	161682953	161683026
TJU_CMC.ID02140.hairpin	12018	3	-	161804045	161804118
TJU_CMC.ID02141.hairpin	12019	3	-	162238849	162238921
TJU_CMC.ID02142.hairpin	12020	3	+	162597548	162597621
TJU_CMC.ID02143.hairpin	12021	3	-	162643454	162643523
TJU_CMC.ID02144.hairpin	12022	3	+	162752210	162752281
TJU_CMC.ID02145.hairpin	12023	3	-	163087934	163088007
TJU_CMC.ID02146.hairpin	12024	3	-	163662254	163662324
TJU_CMC.ID02147.hairpin	12025	3	+	164044569	164044642
TJU_CMC.ID02148.hairpin	12026	3	+	164059110	164059179
TJU_CMC.ID02149.hairpin	12027	3	-	164458037	164458110
TJU_CMC.ID02150.hairpin	12028	3	-	165032490	165032561
TJU_CMC.ID02151.hairpin	12029	3	+	165554876	165554948
TJU_CMC.ID02152.hairpin	12030	3	-	165784765	165784837
TJU_CMC.ID02153.hairpin	12031	3	-	166547956	166548029
TJU_CMC.ID02154.hairpin	12032	3	+	166560785	166560855
TJU_CMC.ID02155.hairpin	12033	3	-	166689205	166689276
TJU_CMC.ID02156.hairpin	12034	3	+	166838109	166838180
TJU_CMC.ID02157.hairpin	12035	3	-	167052452	167052523
TJU_CMC.ID02158.hairpin	12036	3	-	167893463	167893533
TJU_CMC.ID02159.hairpin	12037	3	+	167989805	167989878
TJU_CMC.ID02160.hairpin	12038	3	+	169098623	169098694

Table 1. Novel miRNA sequences

TJU_CMC.ID02161.hairpin	12039	3	+	169889457	169889529
TJU_CMC.ID02162.hairpin	12040	3	+	170399073	170399146
TJU_CMC.ID02163.hairpin	12041	3	-	170439691	170439763
TJU_CMC.ID02164.hairpin	12042	3	+	171247927	171247998
TJU_CMC.ID02165.hairpin	12043	3	-	171995508	171995579
TJU_CMC.ID02166.hairpin	12044	3	-	172238392	172238465
TJU_CMC.ID02167.hairpin	12045	3	-	172697910	172697982
TJU_CMC.ID02168.hairpin	12046	3	+	173222033	173222105
TJU_CMC.ID02169.hairpin	12047	3	+	174629845	174629915
TJU_CMC.ID02170.hairpin	12048	3	+	174730440	174730513
TJU_CMC.ID02171.hairpin	12049	3	+	174970986	174971058
TJU_CMC.ID02172.hairpin	12050	3	+	175946346	175946417
TJU_CMC.ID02173.hairpin	12051	3	-	176100759	176100829
TJU_CMC.ID02174.hairpin	12052	3	+	176161886	176161955
TJU_CMC.ID02175.hairpin	12053	3	-	176173733	176173805
TJU_CMC.ID02176.hairpin	12054	3	+	176585896	176585966
TJU_CMC.ID02177.hairpin	12055	3	-	176650297	176650368
TJU_CMC.ID02178.hairpin	12056	3	-	176699518	176699589
TJU_CMC.ID02179.hairpin	12057	3	-	176734153	176734224
TJU_CMC.ID02180.hairpin	12058	3	+	177016018	177016089
TJU_CMC.ID02181.hairpin	12059	3	+	177954446	177954517
TJU_CMC.ID02182.hairpin	12060	3	+	178197966	178198035
TJU_CMC.ID02183.hairpin	12061	3	-	178642084	178642155
TJU_CMC.ID02184.hairpin	12062	3	-	178775217	178775288
TJU_CMC.ID02185.hairpin	12063	3	+	179301894	179301966
TJU_CMC.ID02186.hairpin	12064	3	+	179426716	179426788
TJU_CMC.ID02187.hairpin	12065	3	+	179454374	179454445
TJU_CMC.ID02188.hairpin	12066	3	-	179855038	179855109
TJU_CMC.ID02189.hairpin	12067	3	+	179865564	179865637
TJU_CMC.ID02190.hairpin	12068	3	-	180334109	180334181
TJU_CMC.ID02191.hairpin	12069	3	-	180337269	180337338

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TJU_CMC.ID02192.hairpin	12070	3	+	180576655	180576726
TJU_CMC.ID02193.hairpin	12071	3	-	181075420	181075492
TJU_CMC.ID02194.hairpin	12072	3	+	181144744	181144813
TJU_CMC.ID02195.hairpin	12073	3	+	181175402	181175473
TJU_CMC.ID02196.hairpin	12074	3	+	181276824	181276895
TJU_CMC.ID02197.hairpin	12075	3	+	181408665	181408738
TJU_CMC.ID02198.hairpin	12076	3	+	181541691	181541762
TJU_CMC.ID02199.hairpin	12077	3	-	181649067	181649136
TJU_CMC.ID02200.hairpin	12078	3	+	181867094	181867164
TJU_CMC.ID02201.hairpin	12079	3	+	182173004	182173075
TJU_CMC.ID02202.hairpin	12080	3	+	182237518	182237590
TJU_CMC.ID02203.hairpin	12081	3	+	182478789	182478859
TJU_CMC.ID02204.hairpin	12082	3	-	182640368	182640437
TJU_CMC.ID02205.hairpin	12083	3	+	182815201	182815272
TJU_CMC.ID02206.hairpin	12084	3	+	183029003	183029076
TJU_CMC.ID02207.hairpin	12085	3	-	183353420	183353492
TJU_CMC.ID02208.hairpin	12086	3	-	183625893	183625962
TJU_CMC.ID02209.hairpin	12087	3	+	183631141	183631213
TJU_CMC.ID02210.hairpin	12088	3	+	183667291	183667363
TJU_CMC.ID02211.hairpin	12089	3	+	183669697	183669770
TJU_CMC.ID02212.hairpin	12090	3	-	183689967	183690038
TJU_CMC.ID02213.hairpin	12091	3	-	184388411	184388483
TJU_CMC.ID02214.hairpin	12092	3	-	184488160	184488230
TJU_CMC.ID02215.hairpin	12093	3	+	184526964	184527037
TJU_CMC.ID02216.hairpin	12094	3	-	185146904	185146975
TJU_CMC.ID02217.hairpin	12095	3	+	185271360	185271432
TJU_CMC.ID02218.hairpin	12096	3	-	185439602	185439674
TJU_CMC.ID02219.hairpin	12097	3	+	185463994	185464064
TJU_CMC.ID02220.hairpin	12098	3	+	185710983	185711054
TJU_CMC.ID02221.hairpin	12099	3	-	185966942	185967012
TJU_CMC.ID02223.hairpin	12100	3	-	186684322	186684391

Table 1. Novel miRNA sequences

TJU_CMC.ID02224.hairpin	12101	3	-	186763455	186763526
TJU_CMC.ID02225.hairpin	12102	3	-	187365332	187365403
TJU_CMC.ID02226.hairpin	12103	3	-	187457117	187457190
TJU_CMC.ID02227.hairpin	12104	3	-	187486624	187486697
TJU_CMC.ID02228.hairpin	12105	3	+	187569237	187569306
TJU_CMC.ID02229.hairpin	12106	3	-	187618506	187618578
TJU_CMC.ID02230.hairpin	12107	3	-	187658158	187658231
TJU_CMC.ID02231.hairpin	12108	3	+	187889364	187889434
TJU_CMC.ID02232.hairpin	12109	3	+	187995952	187996023
TJU_CMC.ID02233.hairpin	12110	3	+	188215064	188215136
TJU_CMC.ID02234.hairpin	12111	3	+	188668564	188668635
TJU_CMC.ID02235.hairpin	12112	3	-	189936884	189936953
TJU_CMC.ID02236.hairpin	12113	3	-	190222650	190222720
TJU_CMC.ID02237.hairpin	12114	3	-	190292321	190292393
TJU_CMC.ID02238.hairpin	12115	3	-	191723909	191723978
TJU_CMC.ID02239.hairpin	12116	3	+	193373563	193373633
TJU_CMC.ID02240.hairpin	12117	3	+	193669796	193669867
TJU_CMC.ID02241.hairpin	12118	3	-	193817755	193817827
TJU_CMC.ID02242.hairpin	12119	3	+	193908909	193908981
TJU_CMC.ID02243.hairpin	12120	3	+	194089644	194089716
TJU_CMC.ID02244.hairpin	12121	3	-	194577158	194577229
TJU_CMC.ID02245.hairpin	12122	3	+	196121497	196121567
TJU_CMC.ID02246.hairpin	12123	3	-	196727198	196727269
TJU_CMC.ID02247.hairpin	12124	3	-	197206986	197207055
TJU_CMC.ID02248.hairpin	12125	3	-	197750682	197750755
TJU_CMC.ID02249.hairpin	12126	3	-	197770231	197770302
TJU_CMC.ID02250.hairpin	12127	3	+	197848330	197848401
TJU_CMC.ID02251.hairpin	12128	4	-	669845	669916
TJU_CMC.ID02252.hairpin	12129	4	-	817040	817111
TJU_CMC.ID02253.hairpin	12130	4	+	864635	864706
TJU_CMC.ID02254.hairpin	12131	4	+	1323701	1323774

Table 1. Novel miRNA sequences

TJU_CMC.ID02255.hairpin	12132	4	+	1710318	1710390
TJU_CMC.ID02256.hairpin	12133	4	+	1737222	1737293
TJU_CMC.ID02257.hairpin	12134	4	-	2321724	2321797
TJU_CMC.ID02258.hairpin	12135	4	+	2758459	2758532
TJU_CMC.ID02259.hairpin	12136	4	+	2785393	2785466
TJU_CMC.ID02260.hairpin	12137	4	-	2871333	2871404
TJU_CMC.ID02261.hairpin	12138	4	+	2965211	2965283
TJU_CMC.ID02262.hairpin	12139	4	+	3038965	3039038
TJU_CMC.ID02263.hairpin	12140	4	+	3044490	3044563
TJU_CMC.ID02264.hairpin	12141	4	+	3230276	3230349
TJU_CMC.ID02265.hairpin	12142	4	+	3373475	3373548
TJU_CMC.ID02266.hairpin	12143	4	-	3434457	3434527
TJU_CMC.ID02267.hairpin	12144	4	+	3439093	3439165
TJU_CMC.ID02268.hairpin	12145	4	+	4290827	4290899
TJU_CMC.ID02269.hairpin	12146	4	-	4371073	4371142
TJU_CMC.ID02270.hairpin	12147	4	+	4629257	4629328
TJU_CMC.ID02271.hairpin	12148	4	+	5158189	5158259
TJU_CMC.ID02272.hairpin	12149	4	-	5579515	5579587
TJU_CMC.ID02273.hairpin	12150	4	-	6321728	6321801
TJU_CMC.ID02274.hairpin	12151	4	+	7105588	7105659
TJU_CMC.ID02275.hairpin	12152	4	+	7154211	7154282
TJU_CMC.ID02276.hairpin	12153	4	-	7159274	7159345
TJU_CMC.ID02277.hairpin	12154	4	-	7209882	7209952
TJU_CMC.ID02278.hairpin	12155	4	+	7593465	7593535
TJU_CMC.ID02279.hairpin	12156	4	-	7768663	7768733
TJU_CMC.ID02280.hairpin	12157	4	+	7806987	7807057
TJU_CMC.ID02281.hairpin	12158	4	-	7873396	7873467
TJU_CMC.ID02282.hairpin	12159	4	-	8400973	8401046
TJU_CMC.ID02283.hairpin	12160	4	-	8776131	8776203
TJU_CMC.ID02284.hairpin	12161	4	-	9393530	9393603
TJU_CMC.ID02285.hairpin	12162	4	-	9870923	9870993

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TJU_CMC.ID02286.hairpin.ID=MI0014161;Alias=MI0014161;Name=hsa-mir-3138	12163	4	-	10080235	10080316
TJU_CMC.ID02287.hairpin	12164	4	+	10458492	10458565
TJU_CMC.ID02288.hairpin	12165	4	-	11040119	11040191
TJU_CMC.ID02289.hairpin	12166	4	+	11120565	11120634
TJU_CMC.ID02290.hairpin	12167	4	-	11197799	11197870
TJU_CMC.ID02291.hairpin	12168	4	-	11207773	11207844
TJU_CMC.ID02292.hairpin	12169	4	+	11339183	11339254
TJU_CMC.ID02293.hairpin	12170	4	+	11430283	11430355
TJU_CMC.ID02294.hairpin	12171	4	-	11611067	11611138
TJU_CMC.ID02295.hairpin	12172	4	-	11803199	11803270
TJU_CMC.ID02296.hairpin	12173	4	+	11806085	11806158
TJU_CMC.ID02297.hairpin	12174	4	+	12039097	12039168
TJU_CMC.ID02298.hairpin	12175	4	+	12256380	12256450
TJU_CMC.ID02299.hairpin	12176	4	-	12358771	12358840
TJU_CMC.ID02300.hairpin	12177	4	-	12687147	12687217
TJU_CMC.ID02301.hairpin	12178	4	+	12831254	12831325
TJU_CMC.ID02302.hairpin	12179	4	-	12873632	12873703
TJU_CMC.ID02303.hairpin	12180	4	+	12927787	12927857
TJU_CMC.ID02304.hairpin	12181	4	+	13314921	13314994
TJU_CMC.ID02305.hairpin	12182	4	-	13425231	13425302
TJU_CMC.ID02306.hairpin	12183	4	+	14325816	14325889
TJU_CMC.ID02307.hairpin	12184	4	-	14410309	14410380
TJU_CMC.ID02308.hairpin	12185	4	-	14831153	14831225
TJU_CMC.ID02309.hairpin	12186	4	+	15264626	15264696
TJU_CMC.ID02310.hairpin	12187	4	-	15444380	15444450
TJU_CMC.ID02311.hairpin	12188	4	-	15839447	15839516
TJU_CMC.ID02312.hairpin	12189	4	-	16009469	16009541
TJU_CMC.ID02313.hairpin	12190	4	-	16094144	16094215
TJU_CMC.ID02314.hairpin	12191	4	-	16462001	16462074

Table 1. Novel miRNA sequences

TJU_CMC.ID02315.hairpin	12192	4	+	17026588	17026657
TJU_CMC.ID02316.hairpin	12193	4	-	17157196	17157268
TJU_CMC.ID02317.hairpin	12194	4	+	17157242	17157311
TJU_CMC.ID02318.hairpin	12195	4	+	17565888	17565960
TJU_CMC.ID02319.hairpin	12196	4	+	17760208	17760279
TJU_CMC.ID02320.hairpin	12197	4	+	17949348	17949419
TJU_CMC.ID02321.hairpin	12198	4	+	18117279	18117351
TJU_CMC.ID02322.hairpin	12199	4	-	18320759	18320828
TJU_CMC.ID02323.hairpin	12200	4	-	18362063	18362135
TJU_CMC.ID02324.hairpin	12201	4	-	18817418	18817487
TJU_CMC.ID02325.hairpin	12202	4	+	19150262	19150335
TJU_CMC.ID02326.hairpin	12203	4	+	19747554	19747624
TJU_CMC.ID02327.hairpin	12204	4	-	19880034	19880107
TJU_CMC.ID02328.hairpin	12205	4	-	19906829	19906899
TJU_CMC.ID02329.hairpin	12206	4	-	20098217	20098288
TJU_CMC.ID02330.hairpin	12207	4	-	20381143	20381215
TJU_CMC.ID02331.hairpin	12208	4	+	21474984	21475056
TJU_CMC.ID02332.hairpin	12209	4	+	21961550	21961622
TJU_CMC.ID02333.hairpin	12210	4	-	22456222	22456294
TJU_CMC.ID02334.hairpin	12211	4	+	22542532	22542602
TJU_CMC.ID02335.hairpin	12212	4	-	22744816	22744888
TJU_CMC.ID02336.hairpin	12213	4	+	22753233	22753305
TJU_CMC.ID02337.hairpin	12214	4	-	23415968	23416039
TJU_CMC.ID02338.hairpin	12215	4	-	23715742	23715815
TJU_CMC.ID02339.hairpin	12216	4	-	23989055	23989126
TJU_CMC.ID02340.hairpin	12217	4	-	24341153	24341225
TJU_CMC.ID02341.hairpin	12218	4	-	24796766	24796835
TJU_CMC.ID02342.hairpin	12219	4	-	24845071	24845144
TJU_CMC.ID02343.hairpin	12220	4	-	25506009	25506082
TJU_CMC.ID02344.hairpin	12221	4	-	25707914	25707985
TJU_CMC.ID02345.hairpin	12222	4	+	25805679	25805749

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TJU_CMC.ID02346.hairpin	12223	4	+	25849106	25849176
TJU_CMC.ID02347.hairpin	12224	4	+	25991709	25991781
TJU_CMC.ID02348.hairpin	12225	4	-	26387524	26387595
TJU_CMC.ID02349.hairpin	12226	4	+	27131502	27131572
TJU_CMC.ID02350.hairpin	12227	4	+	27260324	27260396
TJU_CMC.ID02351.hairpin	12228	4	+	27302949	27303019
TJU_CMC.ID02352.hairpin	12229	4	-	27442304	27442374
TJU_CMC.ID02353.hairpin	12230	4	+	28350853	28350923
TJU_CMC.ID02354.hairpin	12231	4	+	28547633	28547704
TJU_CMC.ID02355.hairpin	12232	4	+	28678653	28678724
TJU_CMC.ID02356.hairpin	12233	4	+	29650519	29650588
TJU_CMC.ID02357.hairpin	12234	4	+	30544742	30544812
TJU_CMC.ID02358.hairpin	12235	4	-	30675809	30675878
TJU_CMC.ID02359.hairpin	12236	4	+	31108279	31108349
TJU_CMC.ID02360.hairpin	12237	4	+	31607814	31607887
TJU_CMC.ID02361.hairpin	12238	4	-	32141430	32141502
TJU_CMC.ID02362.hairpin	12239	4	+	32391519	32391591
TJU_CMC.ID02363.hairpin	12240	4	+	32427251	32427324
TJU_CMC.ID02364.hairpin	12241	4	+	33065787	33065858
TJU_CMC.ID02365.hairpin	12242	4	+	33125849	33125921
TJU_CMC.ID02366.hairpin	12243	4	-	33539242	33539314
TJU_CMC.ID02367.hairpin	12244	4	-	33555551	33555624
TJU_CMC.ID02368.hairpin	12245	4	-	34158394	34158464
TJU_CMC.ID02369.hairpin	12246	4	+	34558706	34558778
TJU_CMC.ID02370.hairpin	12247	4	-	34705508	34705580
TJU_CMC.ID02371.hairpin	12248	4	-	35221621	35221693
TJU_CMC.ID02372.hairpin	12249	4	-	35390887	35390958
TJU_CMC.ID02373.hairpin	12250	4	-	35451162	35451233
TJU_CMC.ID02374.hairpin	12251	4	+	35743268	35743340
TJU_CMC.ID02375.hairpin	12252	4	+	36246103	36246176
TJU_CMC.ID02376.hairpin	12253	4	+	37554046	37554115

Table 1. Novel miRNA sequences

TJU_CMC.ID02377.hairpin	12254	4	+	37677706	37677776
TJU_CMC.ID02378.hairpin	12255	4	-	37793535	37793605
TJU_CMC.ID02379.hairpin	12256	4	+	37893004	37893073
TJU_CMC.ID02380.hairpin	12257	4	+	37925867	37925938
TJU_CMC.ID02381.hairpin	12258	4	+	38788537	38788606
TJU_CMC.ID02382.hairpin	12259	4	-	39451001	39451073
TJU_CMC.ID02383.hairpin	12260	4	-	40382793	40382863
TJU_CMC.ID02384.hairpin	12261	4	+	40382793	40382863
TJU_CMC.ID02385.hairpin	12262	4	-	40527876	40527949
TJU_CMC.ID02386.hairpin	12263	4	-	41025256	41025328
TJU_CMC.ID02388.hairpin	12264	4	+	41628796	41628867
TJU_CMC.ID02389.hairpin	12265	4	-	41690231	41690304
TJU_CMC.ID02390.hairpin	12266	4	-	42212529	42212602
TJU_CMC.ID02391.hairpin	12267	4	-	42424002	42424075
TJU_CMC.ID02392.hairpin	12268	4	+	42535050	42535122
TJU_CMC.ID02393.hairpin	12269	4	+	43131689	43131762
TJU_CMC.ID02394.hairpin	12270	4	+	43277636	43277709
TJU_CMC.ID02395.hairpin	12271	4	+	44194408	44194481
TJU_CMC.ID02396.hairpin	12272	4	-	44699788	44699857
TJU_CMC.ID02397.hairpin	12273	4	+	44754320	44754393
TJU_CMC.ID02398.hairpin	12274	4	+	44955370	44955441
TJU_CMC.ID02399.hairpin	12275	4	+	46380916	46380986
TJU_CMC.ID02400.hairpin	12276	4	+	46509641	46509712
TJU_CMC.ID02401.hairpin	12277	4	-	47015088	47015157
TJU_CMC.ID02402.hairpin	12278	4	-	47413582	47413655
TJU_CMC.ID02403.hairpin	12279	4	-	47549247	47549317
TJU_CMC.ID02404.hairpin	12280	4	+	47979520	47979593
TJU_CMC.ID02405.hairpin	12281	4	-	48376542	48376615
TJU_CMC.ID02406.hairpin	12282	4	+	48392447	48392518
TJU_CMC.ID02407.hairpin	12283	4	+	48793460	48793531
TJU_CMC.ID02408.hairpin	12284	4	-	48817232	48817304

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TJU_CMC.ID02409.hairpin	12285	4	-	49090714	49090784
TJU_CMC.ID02410.hairpin	12286	4	+	52807512	52807584
TJU_CMC.ID02411.hairpin	12287	4	+	52865674	52865745
TJU_CMC.ID02412.hairpin	12288	4	-	53709728	53709797
TJU_CMC.ID02413.hairpin	12289	4	-	53990356	53990427
TJU_CMC.ID02414.hairpin	12290	4	+	54291219	54291290
TJU_CMC.ID02415.hairpin	12291	4	-	54640217	54640287
TJU_CMC.ID02416.hairpin	12292	4	-	54718732	54718803
TJU_CMC.ID02417.hairpin	12293	4	+	55537636	55537707
TJU_CMC.ID02418.hairpin	12294	4	-	55554808	55554880
TJU_CMC.ID02419.hairpin	12295	4	+	55868284	55868357
TJU_CMC.ID02420.hairpin	12296	4	-	55945419	55945489
TJU_CMC.ID02421.hairpin	12297	4	-	56188504	56188575
TJU_CMC.ID02422.hairpin	12298	4	-	56375095	56375168
TJU_CMC.ID02423.hairpin	12299	4	+	56684948	56685019
TJU_CMC.ID02424.hairpin	12300	4	+	56856946	56857019
TJU_CMC.ID02425.hairpin	12301	4	-	56992160	56992232
TJU_CMC.ID02426.hairpin	12302	4	+	56996797	56996867
TJU_CMC.ID02427.hairpin	12303	4	+	57419265	57419336
TJU_CMC.ID02428.hairpin	12304	4	-	57479125	57479197
TJU_CMC.ID02429.hairpin	12305	4	+	58098116	58098188
TJU_CMC.ID02430.hairpin	12306	4	-	58268688	58268758
TJU_CMC.ID02431.hairpin	12307	4	-	58652206	58652277
TJU_CMC.ID02432.hairpin	12308	4	-	58849175	58849247
TJU_CMC.ID02433.hairpin	12309	4	+	58933044	58933117
TJU_CMC.ID02434.hairpin	12310	4	-	59997822	59997891
TJU_CMC.ID02435.hairpin	12311	4	+	60106411	60106480
TJU_CMC.ID02436.hairpin	12312	4	+	61612869	61612940
TJU_CMC.ID02437.hairpin	12313	4	-	61658221	61658292
TJU_CMC.ID02438.hairpin	12314	4	+	62590833	62590905
TJU_CMC.ID02439.hairpin	12315	4	+	63436653	63436726

Table 1. Novel miRNA sequences

TJU_CMC.ID02440.hairpin	12316	4	+	63644457	63644527
TJU_CMC.ID02441.hairpin	12317	4	+	63895590	63895663
TJU_CMC.ID02442.hairpin	12318	4	+	63973792	63973864
TJU_CMC.ID02443.hairpin	12319	4	-	64170756	64170829
TJU_CMC.ID02444.hairpin	12320	4	+	64911603	64911674
TJU_CMC.ID02445.hairpin	12321	4	-	65196879	65196952
TJU_CMC.ID02446.hairpin	12322	4	+	65470168	65470239
TJU_CMC.ID02447.hairpin	12323	4	-	65474139	65474212
TJU_CMC.ID02448.hairpin	12324	4	+	65553923	65553994
TJU_CMC.ID02449.hairpin	12325	4	+	65760321	65760392
TJU_CMC.ID02450.hairpin	12326	4	-	65855659	65855730
TJU_CMC.ID02451.hairpin	12327	4	-	66510069	66510141
TJU_CMC.ID02452.hairpin	12328	4	-	66651857	66651927
TJU_CMC.ID02453.hairpin	12329	4	-	66790177	66790246
TJU_CMC.ID02454.hairpin	12330	4	-	66880217	66880286
TJU_CMC.ID02455.hairpin	12331	4	+	67238594	67238663
TJU_CMC.ID02456.hairpin	12332	4	+	67680185	67680257
TJU_CMC.ID02457.hairpin	12333	4	-	68253826	68253895
TJU_CMC.ID02458.hairpin	12334	4	-	68310647	68310720
TJU_CMC.ID02459.hairpin	12335	4	-	68345634	68345704
TJU_CMC.ID02460.hairpin	12336	4	+	68586146	68586216
TJU_CMC.ID02461.hairpin	12337	4	+	68619713	68619783
TJU_CMC.ID02462.hairpin	12338	4	+	69513467	69513537
TJU_CMC.ID02463.hairpin	12339	4	-	69799585	69799656
TJU_CMC.ID02464.hairpin	12340	4	+	70538656	70538728
TJU_CMC.ID02465.hairpin	12341	4	-	71165514	71165584
TJU_CMC.ID02466.hairpin	12342	4	+	71302522	71302594
TJU_CMC.ID02467.hairpin	12343	4	+	71350652	71350722
TJU_CMC.ID02468.hairpin	12344	4	+	71443964	71444034
TJU_CMC.ID02469.hairpin	12345	4	-	71570542	71570612
TJU_CMC.ID02470.hairpin	12346	4	+	71851505	71851574

Table 1. Novel miRNA sequences

TJU_CMC.ID02471.hairpin	12347	4	+	72241647	72241718	
TJU_CMC.ID02472.hairpin	12348	4	+	72372175	72372248	
TJU_CMC.ID02473.hairpin	12349	4	+	72410805	72410874	
TJU_CMC.ID02474.hairpin	12350	4	+	72478739	72478808	
TJU_CMC.ID02475.hairpin	12351	4	+	72802524	72802595	
TJU_CMC.ID02476.hairpin	12352	4	+	73649663	73649736	
TJU_CMC.ID02477.hairpin	12353	4	+	74036763	74036836	
TJU_CMC.ID02478.hairpin	12354	4	-	74818758	74818830	
TJU_CMC.ID02479.hairpin	12355	4	+	74940633	74940706	
TJU_CMC.ID02480.hairpin	12356	4	-	74953794	74953865	
TJU_CMC.ID02481.hairpin	12357	4	+	76026038	76026108	
TJU_CMC.ID02482.hairpin	12358	4	-	76163460	76163533	
TJU_CMC.ID02483.hairpin	12359	4	-	76485897	76485968	
TJU_CMC.ID02484.hairpin	12360	4	-	76751304	76751376	
TJU_CMC.ID02485.hairpin	12361	4	-	77172982	77173054	
TJU_CMC.ID02486.hairpin	12362	4	+	78085871	78085943	
TJU_CMC.ID02487.hairpin	12363	4	-	78094262	78094335	
TJU_CMC.ID02488.hairpin	12364	4	+	78394149	78394221	
TJU_CMC.ID02489.hairpin	12365	4	+	78418441	78418511	
TJU_CMC.ID02490.hairpin	12366	4	+	78573183	78573256	
TJU_CMC.ID02491.hairpin	12367	4	+	78602373	78602445	
TJU_CMC.ID02492.hairpin	12368	4	-	79535234	79535305	
TJU_CMC.ID02493.hairpin	12369	4	+	80155076	80155148	
TJU_CMC.ID02494.hairpin	12370	4	-	80655697	80655768	
TJU_CMC.ID02495.hairpin	12371	4	+	81076904	81076975	
TJU_CMC.ID02496.hairpin	12372	4	+	81730590	81730663	
TJU_CMC.ID02497.hairpin	12373	4	-	82063951	82064024	
TJU_CMC.ID02498.hairpin	12374	4	-	82381451	82381524	
TJU_CMC.ID02499.hairpin	12375	4	-	83232202	83232275	
TJU_CMC.ID02500.hairpin	12376	4	-	83372179	83372248	
TJU_CMC.ID02501.hairpin	12377	4	-	84117414	84117485	

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TJU_CMC.ID02502.hairpin	12378	4	-	84317688	84317761
TJU_CMC.ID02503.hairpin	12379	4	+	84540825	84540896
TJU_CMC.ID02504.hairpin	12380	4	+	84587709	84587778
TJU_CMC.ID02505.hairpin	12381	4	+	84616887	84616959
TJU_CMC.ID02506.hairpin	12382	4	-	84884382	84884451
TJU_CMC.ID02507.hairpin	12383	4	+	85275667	85275736
TJU_CMC.ID02508.hairpin	12384	4	+	85517798	85517871
TJU_CMC.ID02509.hairpin	12385	4	-	86377317	86377387
TJU_CMC.ID02510.hairpin	12386	4	+	86598062	86598135
TJU_CMC.ID02511.hairpin	12387	4	-	87456593	87456665
TJU_CMC.ID02512.hairpin	12388	4	+	87837694	87837767
TJU_CMC.ID02513.hairpin	12389	4	+	88037258	88037329
TJU_CMC.ID02514.hairpin	12390	4	-	88087207	88087278
TJU_CMC.ID02515.hairpin	12391	4	-	88353076	88353149
TJU_CMC.ID02516.hairpin	12392	4	-	88427782	88427853
TJU_CMC.ID02517.hairpin	12393	4	-	88445050	88445122
TJU_CMC.ID02518.hairpin	12394	4	-	88722456	88722527
TJU_CMC.ID02519.hairpin	12395	4	+	89403618	89403689
TJU_CMC.ID02520.hairpin	12396	4	+	89407745	89407814
TJU_CMC.ID02521.hairpin	12397	4	-	89661029	89661098
TJU_CMC.ID02522.hairpin	12398	4	+	90512303	90512375
TJU_CMC.ID02523.hairpin	12399	4	+	90646367	90646437
TJU_CMC.ID02524.hairpin	12400	4	+	91679013	91679082
TJU_CMC.ID02525.hairpin	12401	4	+	91683558	91683629
TJU_CMC.ID02526.hairpin	12402	4	+	93108341	93108410
TJU_CMC.ID02527.hairpin	12403	4	+	93514056	93514125
TJU_CMC.ID02528.hairpin	12404	4	-	94504660	94504732
TJU_CMC.ID02529.hairpin	12405	4	+	94759900	94759969
TJU_CMC.ID02530.hairpin	12406	4	-	94911010	94911080
TJU_CMC.ID02531.hairpin	12407	4	-	95372836	95372908
TJU_CMC.ID02532.hairpin	12408	4	+	95456291	95456364

Table 1. Novel miRNA sequences

TJU_CMC.ID02533.hairpin	12409	4	+	95460241	95460314
TJU_CMC.ID02534.hairpin	12410	4	+	96817180	96817253
TJU_CMC.ID02535.hairpin	12411	4	-	97519733	97519802
TJU_CMC.ID02536.hairpin	12412	4	-	99067909	99067980
TJU_CMC.ID02537.hairpin	12413	4	-	99267408	99267479
TJU_CMC.ID02538.hairpin	12414	4	-	100570511	100570580
TJU_CMC.ID02539.hairpin	12415	4	+	100659782	100659853
TJU_CMC.ID02540.hairpin	12416	4	+	100924210	100924281
TJU_CMC.ID02541.hairpin	12417	4	-	101035979	101036052
TJU_CMC.ID02542.hairpin	12418	4	+	101173559	101173629
TJU_CMC.ID02543.hairpin	12419	4	-	101596128	101596198
TJU_CMC.ID02544.hairpin	12420	4	+	101612396	101612465
TJU_CMC.ID02545.hairpin	12421	4	+	101657189	101657262
TJU_CMC.ID02546.hairpin	12422	4	+	101793803	101793875
TJU_CMC.ID02547.hairpin.ID=MI0006389;Alias=MI0006389;Name=hsa-mir-1255a	12423	4	-	102251459	102251571
TJU_CMC.ID02548.hairpin	12424	4	-	102702037	102702109
TJU_CMC.ID02549.hairpin	12425	4	-	103439884	103439954
TJU_CMC.ID02550.hairpin	12426	4	-	103442786	103442856
TJU_CMC.ID02551.hairpin	12427	4	-	103971848	103971921
TJU_CMC.ID02552.hairpin	12428	4	+	104029450	104029521
TJU_CMC.ID02553.hairpin	12429	4	+	104095971	104096040
TJU_CMC.ID02554.hairpin	12430	4	-	105684839	105684910
TJU_CMC.ID02555.hairpin	12431	4	-	105945788	105945861
TJU_CMC.ID02556.hairpin	12432	4	-	106292789	106292858
TJU_CMC.ID02557.hairpin	12433	4	+	106580433	106580503
TJU_CMC.ID02558.hairpin	12434	4	-	107468638	107468710
TJU_CMC.ID02559.hairpin	12435	4	+	108103240	108103311
TJU_CMC.ID02560.hairpin	12436	4	-	108230807	108230877
TJU_CMC.ID02561.hairpin	12437	4	+	108433964	108434033

Table 1. Novel miRNA sequences

TJU_CMC.ID02562.hairpin	12438	4	-	108544155	108544225
TJU_CMC.ID02563.hairpin	12439	4	-	108630707	108630777
TJU_CMC.ID02564.hairpin	12440	4	+	108788872	108788944
TJU_CMC.ID02565.hairpin	12441	4	+	108935691	108935762
TJU_CMC.ID02566.hairpin	12442	4	-	110685629	110685702
TJU_CMC.ID02567.hairpin	12443	4	-	110925722	110925791
TJU_CMC.ID02568.hairpin	12444	4	-	111586009	111586079
TJU_CMC.ID02569.hairpin	12445	4	-	112210396	112210468
TJU_CMC.ID02570.hairpin	12446	4	+	112392311	112392382
TJU_CMC.ID02571.hairpin	12447	4	+	113208470	113208543
TJU_CMC.ID02572.hairpin	12448	4	+	113347131	113347202
TJU_CMC.ID02573.hairpin	12449	4	+	113601772	113601842
TJU_CMC.ID02574.hairpin	12450	4	+	113643625	113643696
TJU_CMC.ID02575.hairpin	12451	4	+	113655990	113656061
TJU_CMC.ID02576.hairpin	12452	4	-	113888548	113888621
TJU_CMC.ID02577.hairpin	12453	4	-	113919510	113919583
TJU_CMC.ID02578.hairpin	12454	4	+	114238375	114238446
TJU_CMC.ID02579.hairpin	12455	4	-	114396806	114396875
TJU_CMC.ID02580.hairpin	12456	4	+	114521083	114521155
TJU_CMC.ID02581.hairpin	12457	4	+	114762765	114762838
TJU_CMC.ID02582.hairpin	12458	4	+	115641904	115641974
TJU_CMC.ID02583.hairpin	12459	4	+	115929158	115929231
TJU_CMC.ID02584.hairpin	12460	4	-	116383863	116383935
TJU_CMC.ID02585.hairpin	12461	4	-	116583590	116583663
TJU_CMC.ID02586.hairpin	12462	4	-	116655435	116655508
TJU_CMC.ID02587.hairpin	12463	4	+	117205315	117205387
TJU_CMC.ID02588.hairpin	12464	4	+	118094709	118094779
TJU_CMC.ID02589.hairpin	12465	4	-	118277961	118278032
TJU_CMC.ID02590.hairpin	12466	4	-	118512773	118512844
TJU_CMC.ID02591.hairpin	12467	4	+	119457814	119457885
TJU_CMC.ID02592.hairpin	12468	4	+	119705216	119705287

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TJU_CMC.ID02593.hairpin	12469	4	-	119863755	119863826	
TJU_CMC.ID02594.hairpin	12470	4	+	120562252	120562322	
TJU_CMC.ID02595.hairpin	12471	4	-	121560466	121560539	
TJU_CMC.ID02596.hairpin	12472	4	-	121780275	121780348	
TJU_CMC.ID02597.hairpin	12473	4	+	122867434	122867503	
TJU_CMC.ID02598.hairpin	12474	4	+	123073818	123073888	
TJU_CMC.ID02599.hairpin	12475	4	-	123545497	123545567	
TJU_CMC.ID02600.hairpin	12476	4	-	123553637	123553709	
TJU_CMC.ID02601.hairpin	12477	4	+	124040735	124040806	
TJU_CMC.ID02602.hairpin	12478	4	+	125493253	125493323	
TJU_CMC.ID02603.hairpin	12479	4	+	125927406	125927477	
TJU_CMC.ID02604.hairpin	12480	4	-	126014557	126014627	
TJU_CMC.ID02605.hairpin	12481	4	-	126486235	126486305	
TJU_CMC.ID02606.hairpin	12482	4	+	126519442	126519511	
TJU_CMC.ID02607.hairpin	12483	4	+	126679960	126680033	
TJU_CMC.ID02608.hairpin	12484	4	-	126939690	126939759	
TJU_CMC.ID02609.hairpin	12485	4	+	127274140	127274211	
TJU_CMC.ID02610.hairpin	12486	4	-	127363501	127363574	
TJU_CMC.ID02611.hairpin	12487	4	-	127622227	127622300	
TJU_CMC.ID02612.hairpin	12488	4	-	128203434	128203506	
TJU_CMC.ID02613.hairpin	12489	4	-	128924212	128924283	
TJU_CMC.ID02614.hairpin	12490	4	+	129285954	129286023	
TJU_CMC.ID02615.hairpin	12491	4	+	129440885	129440957	
TJU_CMC.ID02616.hairpin	12492	4	-	130112416	130112487	
TJU_CMC.ID02617.hairpin	12493	4	-	130450243	130450313	
TJU_CMC.ID02618.hairpin	12494	4	+	131250866	131250935	
TJU_CMC.ID02619.hairpin	12495	4	+	131461618	131461690	
TJU_CMC.ID02620.hairpin	12496	4	-	131645749	131645820	
TJU_CMC.ID02621.hairpin	12497	4	-	131873164	131873235	
TJU_CMC.ID02622.hairpin	12498	4	-	131909474	131909544	
TJU_CMC.ID02623.hairpin	12499	4	+	132606946	132607015	

Table 1. Novel miRNA sequences

TJU_CMC.ID02624.hairpin	12500	4	+	133133815	133133886
TJU_CMC.ID02625.hairpin	12501	4	+	133456937	133457008
TJU_CMC.ID02626.hairpin	12502	4	-	133460778	133460849
TJU_CMC.ID02627.hairpin	12503	4	-	133966959	133967032
TJU_CMC.ID02628.hairpin	12504	4	-	134085259	134085328
TJU_CMC.ID02629.hairpin	12505	4	-	134849637	134849708
TJU_CMC.ID02630.hairpin	12506	4	-	136325506	136325577
TJU_CMC.ID02631.hairpin	12507	4	-	136761276	136761345
TJU_CMC.ID02632.hairpin	12508	4	+	137723229	137723298
TJU_CMC.ID02633.hairpin	12509	4	+	138397848	138397917
TJU_CMC.ID02634.hairpin	12510	4	-	138829269	138829340
TJU_CMC.ID02635.hairpin	12511	4	+	139871192	139871261
TJU_CMC.ID02636.hairpin	12512	4	+	140525737	140525808
TJU_CMC.ID02637.hairpin	12513	4	-	140874989	140875060
TJU_CMC.ID02638.hairpin	12514	4	-	141072158	141072229
TJU_CMC.ID02639.hairpin	12515	4	-	141525546	141525616
TJU_CMC.ID02640.hairpin	12516	4	+	141611888	141611957
TJU_CMC.ID02641.hairpin	12517	4	+	142053608	142053677
TJU_CMC.ID02642.hairpin	12518	4	-	142635315	142635386
TJU_CMC.ID02643.hairpin	12519	4	-	142937120	142937190
TJU_CMC.ID02644.hairpin	12520	4	+	143444057	143444129
TJU_CMC.ID02645.hairpin	12521	4	+	143946502	143946573
TJU_CMC.ID02646.hairpin	12522	4	+	144531317	144531390
TJU_CMC.ID02647.hairpin	12523	4	+	144822050	144822121
TJU_CMC.ID02648.hairpin	12524	4	+	145604731	145604801
TJU_CMC.ID02649.hairpin	12525	4	-	146180827	146180896
TJU_CMC.ID02650.hairpin	12526	4	-	146570467	146570536
TJU_CMC.ID02651.hairpin	12527	4	-	146777079	146777150
TJU_CMC.ID02652.hairpin	12528	4	+	146823874	146823947
TJU_CMC.ID02653.hairpin	12529	4	-	147056344	147056415
TJU_CMC.ID02654.hairpin	12530	4	+	147235707	147235780

Table 1. Novel miRNA sequences

TJU_CMC.ID02655.hairpin	12531	4	+	147286449	147286518
TJU_CMC.ID02656.hairpin	12532	4	-	147460047	147460117
TJU_CMC.ID02657.hairpin	12533	4	+	147763161	147763230
TJU_CMC.ID02658.hairpin	12534	4	-	147905878	147905947
TJU_CMC.ID02659.hairpin	12535	4	-	147976769	147976841
TJU_CMC.ID02660.hairpin	12536	4	-	148274993	148275066
TJU_CMC.ID02661.hairpin	12537	4	-	149014594	149014665
TJU_CMC.ID02662.hairpin	12538	4	-	149043109	149043181
TJU_CMC.ID02663.hairpin	12539	4	+	151522064	151522136
TJU_CMC.ID02664.hairpin	12540	4	+	152202944	152203016
TJU_CMC.ID02665.hairpin	12541	4	-	152365289	152365362
TJU_CMC.ID02666.hairpin	12542	4	-	152545267	152545337
TJU_CMC.ID02667.hairpin	12543	4	-	152814241	152814312
TJU_CMC.ID02668.hairpin	12544	4	-	152842919	152842990
TJU_CMC.ID02669.hairpin	12545	4	+	153535811	153535884
TJU_CMC.ID02670.hairpin	12546	4	+	153565009	153565079
TJU_CMC.ID02671.hairpin	12547	4	-	154453249	154453320
TJU_CMC.ID02672.hairpin	12548	4	+	154694010	154694079
TJU_CMC.ID02673.hairpin	12549	4	-	154755462	154755532
TJU_CMC.ID02674.hairpin	12550	4	+	155298564	155298633
TJU_CMC.ID02675.hairpin	12551	4	+	155377505	155377578
TJU_CMC.ID02676.hairpin	12552	4	-	155729875	155729946
TJU_CMC.ID02677.hairpin	12553	4	-	156307470	156307541
TJU_CMC.ID02678.hairpin	12554	4	+	156392314	156392383
TJU_CMC.ID02679.hairpin	12555	4	+	156432559	156432631
TJU_CMC.ID02680.hairpin	12556	4	+	157161787	157161858
TJU_CMC.ID02681.hairpin	12557	4	+	157197281	157197353
TJU_CMC.ID02682.hairpin	12558	4	+	158821041	158821111
TJU_CMC.ID02683.hairpin	12559	4	+	159332655	159332724
TJU_CMC.ID02684.hairpin	12560	4	-	159546431	159546502
TJU_CMC.ID02685.hairpin	12561	4	-	159721393	159721464

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TJU_CMC.ID02686.hairpin	12562	4	+	160706399	160706470
TJU_CMC.ID02687.hairpin	12563	4	+	161105609	161105680
TJU_CMC.ID02688.hairpin	12564	4	-	161140964	161141037
TJU_CMC.ID02689.hairpin	12565	4	-	161284815	161284886
TJU_CMC.ID02690.hairpin	12566	4	+	161327613	161327682
TJU_CMC.ID02691.hairpin	12567	4	+	161345469	161345539
TJU_CMC.ID02692.hairpin	12568	4	+	161454815	161454887
TJU_CMC.ID02693.hairpin	12569	4	-	162086631	162086704
TJU_CMC.ID02694.hairpin	12570	4	+	162255823	162255892
TJU_CMC.ID02695.hairpin	12571	4	-	163842657	163842729
TJU_CMC.ID02696.hairpin	12572	4	+	164014015	164014086
TJU_CMC.ID02697.hairpin	12573	4	+	164064567	164064639
TJU_CMC.ID02698.hairpin	12574	4	-	164312026	164312095
TJU_CMC.ID02699.hairpin	12575	4	+	164571608	164571679
TJU_CMC.ID02700.hairpin	12576	4	+	165001385	165001455
TJU_CMC.ID02701.hairpin	12577	4	-	165314029	165314101
TJU_CMC.ID02702.hairpin	12578	4	+	165683931	165684001
TJU_CMC.ID02703.hairpin	12579	4	+	165686500	165686571
TJU_CMC.ID02704.hairpin	12580	4	+	165860878	165860951
TJU_CMC.ID02705.hairpin	12581	4	+	165915059	165915131
TJU_CMC.ID02706.hairpin	12582	4	+	165928225	165928296
TJU_CMC.ID02707.hairpin	12583	4	+	167149473	167149542
TJU_CMC.ID02708.hairpin	12584	4	+	167888485	167888555
TJU_CMC.ID02709.hairpin	12585	4	+	168307115	168307186
TJU_CMC.ID02710.hairpin	12586	4	-	168354341	168354411
TJU_CMC.ID02711.hairpin	12587	4	-	168429025	168429094
TJU_CMC.ID02712.hairpin	12588	4	-	168479431	168479501
TJU_CMC.ID02713.hairpin	12589	4	-	168631765	168631838
TJU_CMC.ID02714.hairpin	12590	4	-	169200521	169200591
TJU_CMC.ID02715.hairpin	12591	4	-	169352049	169352121
TJU_CMC.ID02716.hairpin	12592	4	+	169600731	169600800

Table 1. Novel miRNA sequences

TJU_CMC.ID02717.hairpin	12593	4	+	169893274	169893346
TJU_CMC.ID02718.hairpin	12594	4	-	169972178	169972247
TJU_CMC.ID02719.hairpin	12595	4	-	172118730	172118802
TJU_CMC.ID02720.hairpin	12596	4	+	172362902	172362973
TJU_CMC.ID02721.hairpin	12597	4	-	172606346	172606415
TJU_CMC.ID02722.hairpin	12598	4	+	172737508	172737578
TJU_CMC.ID02723.hairpin	12599	4	+	172959186	172959257
TJU_CMC.ID02724.hairpin	12600	4	+	173142831	173142900
TJU_CMC.ID02725.hairpin	12601	4	+	173186071	173186141
TJU_CMC.ID02726.hairpin	12602	4	-	173924518	173924590
TJU_CMC.ID02727.hairpin	12603	4	+	174942798	174942870
TJU_CMC.ID02728.hairpin	12604	4	-	174948980	174949050
TJU_CMC.ID02729.hairpin	12605	4	-	175103115	175103186
TJU_CMC.ID02730.hairpin	12606	4	+	175172816	175172889
TJU_CMC.ID02731.hairpin	12607	4	+	175873341	175873412
TJU_CMC.ID02732.hairpin	12608	4	-	176213375	176213444
TJU_CMC.ID02733.hairpin	12609	4	+	176438969	176439042
TJU_CMC.ID02734.hairpin	12610	4	-	177236239	177236310
TJU_CMC.ID02735.hairpin	12611	4	-	178132999	178133069
TJU_CMC.ID02736.hairpin	12612	4	+	178325298	178325368
TJU_CMC.ID02737.hairpin	12613	4	+	178518594	178518665
TJU_CMC.ID02738.hairpin	12614	4	+	178700709	178700779
TJU_CMC.ID02739.hairpin	12615	4	-	178942409	178942480
TJU_CMC.ID02740.hairpin	12616	4	-	179139108	179139179
TJU_CMC.ID02741.hairpin	12617	4	+	179235699	179235772
TJU_CMC.ID02742.hairpin	12618	4	-	179242776	179242848
TJU_CMC.ID02743.hairpin	12619	4	+	179248794	179248865
TJU_CMC.ID02744.hairpin	12620	4	+	181415112	181415183
TJU_CMC.ID02745.hairpin	12621	4	-	181571549	181571618
TJU_CMC.ID02746.hairpin	12622	4	+	182068580	182068649
TJU_CMC.ID02747.hairpin	12623	4	-	182161614	182161684

Table 1. Novel miRNA sequences

TJU_CMC.ID02748.hairpin	12624	4	+	182712324	182712395	
TJU_CMC.ID02749.hairpin	12625	4	-	182894836	182894908	
TJU_CMC.ID02750.hairpin	12626	4	+	183148588	183148659	
TJU_CMC.ID02751.hairpin	12627	4	-	183550808	183550879	
TJU_CMC.ID02752.hairpin	12628	4	+	183726684	183726756	
TJU_CMC.ID02753.hairpin	12629	4	-	183802091	183802164	
TJU_CMC.ID02754.hairpin	12630	4	-	183820851	183820920	
TJU_CMC.ID02755.hairpin	12631	4	-	184131914	184131983	
TJU_CMC.ID02756.hairpin	12632	4	+	184654140	184654212	
TJU_CMC.ID02757.hairpin	12633	4	+	184792681	184792752	
TJU_CMC.ID02758.hairpin	12634	4	+	184857976	184858045	
TJU_CMC.ID02759.hairpin	12635	4	+	184941096	184941167	
TJU_CMC.ID02760.hairpin	12636	4	-	185196370	185196441	
TJU_CMC.ID02761.hairpin	12637	4	-	185433799	185433871	
TJU_CMC.ID02762.hairpin	12638	4	-	185510191	185510264	
TJU_CMC.ID02763.hairpin.ID=MI0016602;Alias=MI0016602;Name=hsa-mir-3945	12639	4	-	185772167	185772264	
TJU_CMC.ID02764.hairpin	12640	4	+	186564017	186564089	
TJU_CMC.ID02765.hairpin	12641	4	+	186681736	186681809	
TJU_CMC.ID02766.hairpin	12642	4	+	186771026	186771097	
TJU_CMC.ID02767.hairpin	12643	4	+	186873620	186873692	
TJU_CMC.ID02768.hairpin	12644	4	-	187313730	187313802	
TJU_CMC.ID02769.hairpin	12645	4	-	187363968	187364039	
TJU_CMC.ID02770.hairpin	12646	4	-	187383350	187383420	
TJU_CMC.ID02771.hairpin	12647	4	+	187689062	187689132	
TJU_CMC.ID02772.hairpin	12648	4	-	187860085	187860158	
TJU_CMC.ID02773.hairpin	12649	4	-	188021935	188022006	
TJU_CMC.ID02774.hairpin	12650	4	+	188357464	188357536	
TJU_CMC.ID02775.hairpin	12651	4	+	188683358	188683431	
TJU_CMC.ID02776.hairpin	12652	4	-	188729449	188729521	

Table 1. Novel miRNA sequences

TJU_CMC.ID02777.hairpin	12653	4	+	188792509	188792582
TJU_CMC.ID02778.hairpin	12654	4	-	188853186	188853257
TJU_CMC.ID02779.hairpin	12655	4	+	188945082	188945154
TJU_CMC.ID02780.hairpin	12656	4	-	189124231	189124304
TJU_CMC.ID02781.hairpin	12657	4	+	189159479	189159548
TJU_CMC.ID02782.hairpin	12658	4	-	190259977	190260046
TJU_CMC.ID02783.hairpin	12659	4	-	190396188	190396261
TJU_CMC.ID02784.hairpin	12660	4	+	190533381	190533454
TJU_CMC.ID02785.hairpin	12661	5	+	143392	143464
TJU_CMC.ID02786.hairpin	12662	5	-	475201	475271
TJU_CMC.ID02787.hairpin	12663	5	+	656238	656307
TJU_CMC.ID02788.hairpin	12664	5	+	1008978	1009050
TJU_CMC.ID02789.hairpin	12665	5	-	1009710	1009779
TJU_CMC.ID02790.hairpin	12666	5	-	1064196	1064269
TJU_CMC.ID02791.hairpin	12667	5	+	1245994	1246063
TJU_CMC.ID02792.hairpin	12668	5	-	1784694	1784767
TJU_CMC.ID02793.hairpin	12669	5	-	2075110	2075182
TJU_CMC.ID02794.hairpin	12670	5	-	2192568	2192637
TJU_CMC.ID02795.hairpin	12671	5	-	2469282	2469352
TJU_CMC.ID02796.hairpin	12672	5	-	2483721	2483792
TJU_CMC.ID02797.hairpin	12673	5	+	2545829	2545899
TJU_CMC.ID02798.hairpin	12674	5	-	2749097	2749168
TJU_CMC.ID02799.hairpin	12675	5	-	2751431	2751500
TJU_CMC.ID02800.hairpin	12676	5	+	3190101	3190171
TJU_CMC.ID02801.hairpin	12677	5	-	3198442	3198514
TJU_CMC.ID02802.hairpin	12678	5	+	3448371	3448442
TJU_CMC.ID02803.hairpin	12679	5	-	3448555	3448627
TJU_CMC.ID02804.hairpin	12680	5	-	3878206	3878275
TJU_CMC.ID02805.hairpin	12681	5	-	4620289	4620361
TJU_CMC.ID02806.hairpin	12682	5	-	4725759	4725828
TJU_CMC.ID02807.hairpin	12683	5	+	4943926	4943998

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TJU_CMC.ID02808.hairpin	12684	5	-	5169831	5169902	
TJU_CMC.ID02809.hairpin	12685	5	-	5277477	5277546	
TJU_CMC.ID02810.hairpin	12686	5	-	5503183	5503253	
TJU_CMC.ID02811.hairpin	12687	5	-	5707333	5707406	
TJU_CMC.ID02812.hairpin	12688	5	-	6111294	6111365	
TJU_CMC.ID02813.hairpin	12689	5	+	6211401	6211472	
TJU_CMC.ID02814.hairpin	12690	5	-	6518318	6518391	
TJU_CMC.ID02815.hairpin	12691	5	+	6640535	6640608	
TJU_CMC.ID02816.hairpin	12692	5	-	7094937	7095008	
TJU_CMC.ID02817.hairpin	12693	5	-	7745362	7745434	
TJU_CMC.ID02818.hairpin	12694	5	+	7855221	7855292	
TJU_CMC.ID02819.hairpin	12695	5	+	8794903	8794973	
TJU_CMC.ID02820.hairpin	12696	5	-	8910856	8910928	
TJU_CMC.ID02821.hairpin	12697	5	+	9351938	9352009	
TJU_CMC.ID02822.hairpin	12698	5	-	9370541	9370610	
TJU_CMC.ID02823.hairpin	12699	5	-	9546281	9546354	
TJU_CMC.ID02824.hairpin	12700	5	-	10080917	10080990	
TJU_CMC.ID02825.hairpin	12701	5	-	10129579	10129649	
TJU_CMC.ID02826.hairpin	12702	5	+	10888541	10888612	
TJU_CMC.ID02827.hairpin	12703	5	-	11022976	11023046	
TJU_CMC.ID02828.hairpin	12704	5	-	11030126	11030199	
TJU_CMC.ID02829.hairpin	12705	5	+	11102918	11102987	
TJU_CMC.ID02830.hairpin	12706	5	-	11243833	11243905	
TJU_CMC.ID02831.hairpin	12707	5	+	11555492	11555564	
TJU_CMC.ID02832.hairpin	12708	5	-	12563267	12563337	
TJU_CMC.ID02833.hairpin	12709	5	-	12589029	12589101	
TJU_CMC.ID02834.hairpin	12710	5	+	13610737	13610807	
TJU_CMC.ID02835.hairpin	12711	5	-	13719387	13719457	
TJU_CMC.ID02836.hairpin	12712	5	-	14029558	14029629	
TJU_CMC.ID02837.hairpin	12713	5	+	14869613	14869682	
TJU_CMC.ID02838.hairpin	12714	5	+	14871879	14871948	

Table 1. Novel miRNA sequences

TJU_CMC.ID02839.hairpin	12715	5	+	15432066	15432137
TJU_CMC.ID02840.hairpin	12716	5	-	15561842	15561912
TJU_CMC.ID02841.hairpin	12717	5	-	15610358	15610429
TJU_CMC.ID02842.hairpin	12718	5	+	16115391	16115463
TJU_CMC.ID02843.hairpin	12719	5	-	16434907	16434979
TJU_CMC.ID02844.hairpin	12720	5	-	16443723	16443793
TJU_CMC.ID02845.hairpin	12721	5	+	16540134	16540203
TJU_CMC.ID02846.hairpin	12722	5	-	16762554	16762627
TJU_CMC.ID02847.hairpin	12723	5	+	16828209	16828278
TJU_CMC.ID02848.hairpin	12724	5	+	18263440	18263512
TJU_CMC.ID02849.hairpin	12725	5	+	18920161	18920232
TJU_CMC.ID02850.hairpin	12726	5	+	18920805	18920877
TJU_CMC.ID02851.hairpin	12727	5	-	19485745	19485817
TJU_CMC.ID02852.hairpin	12728	5	+	19564173	19564242
TJU_CMC.ID02853.hairpin	12729	5	-	19677259	19677329
TJU_CMC.ID02854.hairpin	12730	5	-	20106211	20106282
TJU_CMC.ID02855.hairpin	12731	5	+	20539214	20539284
TJU_CMC.ID02856.hairpin	12732	5	+	20571954	20572023
TJU_CMC.ID02857.hairpin	12733	5	-	20620078	20620147
TJU_CMC.ID02858.hairpin	12734	5	+	20647705	20647777
TJU_CMC.ID02859.hairpin	12735	5	-	21451507	21451578
TJU_CMC.ID02860.hairpin	12736	5	-	21903156	21903227
TJU_CMC.ID02861.hairpin	12737	5	-	22788935	22789008
TJU_CMC.ID02862.hairpin	12738	5	+	22935711	22935781
TJU_CMC.ID02863.hairpin	12739	5	-	23029575	23029646
TJU_CMC.ID02864.hairpin	12740	5	+	24521514	24521586
TJU_CMC.ID02865.hairpin	12741	5	+	24750797	24750866
TJU_CMC.ID02866.hairpin	12742	5	-	24921859	24921930
TJU_CMC.ID02867.hairpin	12743	5	-	25086224	25086295
TJU_CMC.ID02868.hairpin	12744	5	-	25790845	25790914
TJU_CMC.ID02869.hairpin	12745	5	+	26146940	26147011

Table 1. Novel miRNA sequences

TJU_CMC.ID02870.hairpin	12746	5	+	26436481	26436550
TJU_CMC.ID02871.hairpin	12747	5	+	26562726	26562797
TJU_CMC.ID02872.hairpin	12748	5	+	26657462	26657535
TJU_CMC.ID02873.hairpin	12749	5	+	26881379	26881448
TJU_CMC.ID02874.hairpin	12750	5	-	27110620	27110689
TJU_CMC.ID02875.hairpin	12751	5	+	27539433	27539504
TJU_CMC.ID02876.hairpin	12752	5	+	28018051	28018124
TJU_CMC.ID02877.hairpin	12753	5	+	28964651	28964722
TJU_CMC.ID02878.hairpin	12754	5	-	29234309	29234381
TJU_CMC.ID02879.hairpin	12755	5	-	29634580	29634653
TJU_CMC.ID02880.hairpin	12756	5	-	30721293	30721362
TJU_CMC.ID02881.hairpin	12757	5	-	30803522	30803593
TJU_CMC.ID02882.hairpin	12758	5	+	30940139	30940212
TJU_CMC.ID02883.hairpin	12759	5	-	31174112	31174185
TJU_CMC.ID02884.hairpin	12760	5	+	31193871	31193941
TJU_CMC.ID02885.hairpin	12761	5	-	31356990	31357062
TJU_CMC.ID02886.hairpin	12762	5	+	31497205	31497277
TJU_CMC.ID02887.hairpin	12763	5	-	32087625	32087696
TJU_CMC.ID02888.hairpin	12764	5	-	32197511	32197580
TJU_CMC.ID02889.hairpin	12765	5	+	32473399	32473470
TJU_CMC.ID02890.hairpin	12766	5	+	33826947	33827016
TJU_CMC.ID02891.hairpin	12767	5	+	33955112	33955181
TJU_CMC.ID02892.hairpin	12768	5	+	34580716	34580785
TJU_CMC.ID02893.hairpin	12769	5	+	34789483	34789554
TJU_CMC.ID02894.hairpin	12770	5	+	35127291	35127364
TJU_CMC.ID02895.hairpin	12771	5	-	35235375	35235446
TJU_CMC.ID02896.hairpin	12772	5	-	35250461	35250530
TJU_CMC.ID02897.hairpin	12773	5	+	36087195	36087268
TJU_CMC.ID02898.hairpin	12774	5	-	36270050	36270121
TJU_CMC.ID02899.hairpin	12775	5	-	37016037	37016108
TJU_CMC.ID02900.hairpin	12776	5	+	37548952	37549023

Table 1. Novel miRNA sequences

TJU_CMC.ID02901.hairpin	12777	5	-	37623081	37623153
TJU_CMC.ID02902.hairpin	12778	5	+	37659337	37659410
TJU_CMC.ID02903.hairpin	12779	5	+	37804644	37804713
TJU_CMC.ID02904.hairpin	12780	5	+	37954652	37954723
TJU_CMC.ID02905.hairpin	12781	5	+	38304132	38304205
TJU_CMC.ID02906.hairpin	12782	5	-	38317959	38318029
TJU_CMC.ID02907.hairpin	12783	5	+	38882287	38882357
TJU_CMC.ID02908.hairpin	12784	5	-	39935761	39935833
TJU_CMC.ID02909.hairpin	12785	5	+	40129499	40129571
TJU_CMC.ID02910.hairpin	12786	5	+	40846988	40847059
TJU_CMC.ID02911.hairpin	12787	5	-	41290164	41290235
TJU_CMC.ID02912.hairpin	12788	5	+	41475733	41475803
TJU_CMC.ID02913.hairpin	12789	5	-	41551516	41551589
TJU_CMC.ID02914.hairpin	12790	5	-	42302848	42302920
TJU_CMC.ID02915.hairpin	12791	5	+	42541352	42541424
TJU_CMC.ID02916.hairpin	12792	5	+	43044240	43044312
TJU_CMC.ID02917.hairpin	12793	5	-	43140482	43140553
TJU_CMC.ID02918.hairpin	12794	5	-	43550672	43550743
TJU_CMC.ID02919.hairpin	12795	5	-	43698975	43699046
TJU_CMC.ID02920.hairpin	12796	5	-	43853486	43853556
TJU_CMC.ID02921.hairpin	12797	5	+	43981522	43981595
TJU_CMC.ID02922.hairpin	12798	5	-	44294752	44294823
TJU_CMC.ID02923.hairpin	12799	5	-	44479834	44479905
TJU_CMC.ID02924.hairpin	12800	5	+	44521195	44521267
TJU_CMC.ID02925.hairpin	12801	5	+	44536573	44536643
TJU_CMC.ID02926.hairpin	12802	5	+	44634016	44634087
TJU_CMC.ID02927.hairpin	12803	5	+	46074835	46074906
TJU_CMC.ID02928.hairpin	12804	5	-	46209047	46209120
TJU_CMC.ID02929.hairpin	12805	5	+	49597905	49597977
TJU_CMC.ID02930.hairpin	12806	5	-	49666599	49666670
TJU_CMC.ID02931.hairpin	12807	5	+	49790365	49790437

Table 1. Novel miRNA sequences

TJU_CMC.ID02932.hairpin	12808	5	+	49849585	49849656
TJU_CMC.ID02933.hairpin	12809	5	-	50090984	50091055
TJU_CMC.ID02934.hairpin	12810	5	+	50202216	50202289
TJU_CMC.ID02935.hairpin	12811	5	-	51112262	51112335
TJU_CMC.ID02936.hairpin	12812	5	+	51258008	51258081
TJU_CMC.ID02937.hairpin	12813	5	+	52086283	52086354
TJU_CMC.ID02938.hairpin	12814	5	-	52377999	52378070
TJU_CMC.ID02939.hairpin	12815	5	+	52379442	52379513
TJU_CMC.ID02940.hairpin	12816	5	+	52501047	52501119
TJU_CMC.ID02941.hairpin	12817	5	-	52785358	52785428
TJU_CMC.ID02942.hairpin	12818	5	-	53130263	53130332
TJU_CMC.ID02943.hairpin	12819	5	+	53308208	53308278
TJU_CMC.ID02944.hairpin	12820	5	+	53813953	53814023
TJU_CMC.ID02945.hairpin	12821	5	-	53852601	53852674
TJU_CMC.ID02946.hairpin	12822	5	-	54613358	54613430
TJU_CMC.ID02947.hairpin	12823	5	+	54844100	54844171
TJU_CMC.ID02948.hairpin	12824	5	-	54876582	54876653
TJU_CMC.ID02949.hairpin	12825	5	-	55254767	55254839
TJU_CMC.ID02950.hairpin	12826	5	+	55596974	55597044
TJU_CMC.ID02951.hairpin	12827	5	+	57277129	57277202
TJU_CMC.ID02952.hairpin	12828	5	+	58446972	58447044
TJU_CMC.ID02953.hairpin	12829	5	-	58481295	58481368
TJU_CMC.ID02954.hairpin	12830	5	-	58492694	58492767
TJU_CMC.ID02955.hairpin	12831	5	-	58536661	58536732
TJU_CMC.ID02956.hairpin	12832	5	+	58635208	58635281
TJU_CMC.ID02957.hairpin	12833	5	-	58710582	58710653
TJU_CMC.ID02958.hairpin	12834	5	+	58817675	58817745
TJU_CMC.ID02959.hairpin	12835	5	+	58858869	58858940
TJU_CMC.ID02960.hairpin	12836	5	-	59516442	59516513
TJU_CMC.ID02961.hairpin	12837	5	+	59701052	59701122
TJU_CMC.ID02962.hairpin	12838	5	-	59923849	59923920

Table 1. Novel miRNA sequences

TJU_CMC.ID02963.hairpin	12839	5	-	59961101	59961171
TJU_CMC.ID02964.hairpin	12840	5	-	60407841	60407914
TJU_CMC.ID02965.hairpin	12841	5	+	61011365	61011435
TJU_CMC.ID02966.hairpin	12842	5	+	61196196	61196269
TJU_CMC.ID02967.hairpin	12843	5	-	61215045	61215116
TJU_CMC.ID02968.hairpin	12844	5	-	63581059	63581130
TJU_CMC.ID02969.hairpin	12845	5	-	63830537	63830606
TJU_CMC.ID02970.hairpin	12846	5	-	63947257	63947329
TJU_CMC.ID02971.hairpin	12847	5	+	63978971	63979043
TJU_CMC.ID02972.hairpin	12848	5	+	64831733	64831804
TJU_CMC.ID02973.hairpin	12849	5	+	64927996	64928067
TJU_CMC.ID02974.hairpin	12850	5	-	65440354	65440423
TJU_CMC.ID02975.hairpin	12851	5	-	65636715	65636788
TJU_CMC.ID02976.hairpin	12852	5	-	66124219	66124290
TJU_CMC.ID02977.hairpin	12853	5	-	66194436	66194509
TJU_CMC.ID02978.hairpin	12854	5	+	66312839	66312910
TJU_CMC.ID02979.hairpin	12855	5	+	66475725	66475795
TJU_CMC.ID02980.hairpin	12856	5	-	67370535	67370606
TJU_CMC.ID02981.hairpin	12857	5	-	67586975	67587047
TJU_CMC.ID02982.hairpin	12858	5	+	68344914	68344986
TJU_CMC.ID02983.hairpin	12859	5	-	68665437	68665508
TJU_CMC.ID02984.hairpin	12860	5	-	71000922	71000994
TJU_CMC.ID02985.hairpin	12861	5	-	71043204	71043273
TJU_CMC.ID02986.hairpin	12862	5	+	71184857	71184929
TJU_CMC.ID02987.hairpin	12863	5	+	71212465	71212538
TJU_CMC.ID02988.hairpin	12864	5	+	72547389	72547460
TJU_CMC.ID02989.hairpin	12865	5	-	72743889	72743958
TJU_CMC.ID02990.hairpin	12866	5	-	72829351	72829422
TJU_CMC.ID02991.hairpin	12867	5	-	73053024	73053096
TJU_CMC.ID02992.hairpin	12868	5	-	73492226	73492298
TJU_CMC.ID02993.hairpin	12869	5	-	73525621	73525690

Table 1. Novel miRNA sequences

TJU_CMC.ID02994.hairpin	12870	5	+	74168311	74168383
TJU_CMC.ID02995.hairpin	12871	5	-	74655307	74655380
TJU_CMC.ID02996.hairpin	12872	5	-	74937368	74937439
TJU_CMC.ID02997.hairpin	12873	5	+	75698955	75699026
TJU_CMC.ID02998.hairpin	12874	5	+	75707765	75707836
TJU_CMC.ID02999.hairpin	12875	5	+	75768335	75768408
TJU_CMC.ID03000.hairpin	12876	5	-	75886670	75886742
TJU_CMC.ID03001.hairpin	12877	5	-	76655176	76655247
TJU_CMC.ID03002.hairpin	12878	5	-	76946168	76946239
TJU_CMC.ID03003.hairpin	12879	5	-	77138007	77138079
TJU_CMC.ID03004.hairpin	12880	5	-	78087706	78087777
TJU_CMC.ID03005.hairpin	12881	5	+	78186194	78186265
TJU_CMC.ID03006.hairpin	12882	5	-	79258988	79259061
TJU_CMC.ID03007.hairpin	12883	5	+	79336232	79336302
TJU_CMC.ID03008.hairpin	12884	5	+	79367224	79367295
TJU_CMC.ID03009.hairpin	12885	5	+	80309674	80309745
TJU_CMC.ID03010.hairpin	12886	5	+	80403245	80403314
TJU_CMC.ID03011.hairpin	12887	5	+	81000009	81000080
TJU_CMC.ID03012.hairpin	12888	5	+	81185263	81185332
TJU_CMC.ID03013.hairpin	12889	5	-	81846110	81846181
TJU_CMC.ID03014.hairpin	12890	5	-	82332498	82332567
TJU_CMC.ID03015.hairpin	12891	5	+	82918112	82918184
TJU_CMC.ID03016.hairpin	12892	5	+	83678286	83678359
TJU_CMC.ID03017.hairpin	12893	5	-	84102103	84102175
TJU_CMC.ID03018.hairpin	12894	5	+	84398305	84398377
TJU_CMC.ID03019.hairpin	12895	5	+	84848753	84848826
TJU_CMC.ID03020.hairpin	12896	5	+	85868779	85868850
TJU_CMC.ID03021.hairpin	12897	5	-	85983203	85983276
TJU_CMC.ID03022.hairpin	12898	5	+	86012358	86012430
TJU_CMC.ID03023.hairpin	12899	5	-	86169773	86169843
TJU_CMC.ID03024.hairpin	12900	5	-	86836979	86837049

Table 1. Novel miRNA sequences

TJU_CMC.ID03025.hairpin	12901	5	-	87362502	87362574	
TJU_CMC.ID03026.hairpin	12902	5	-	87713190	87713261	
TJU_CMC.ID03027.hairpin	12903	5	-	87796000	87796070	
TJU_CMC.ID03028.hairpin	12904	5	+	89528441	89528514	
TJU_CMC.ID03029.hairpin	12905	5	-	90071603	90071672	
TJU_CMC.ID03030.hairpin	12906	5	-	90126845	90126916	
TJU_CMC.ID03031.hairpin	12907	5	+	90947120	90947189	
TJU_CMC.ID03032.hairpin	12908	5	+	91834626	91834695	
TJU_CMC.ID03033.hairpin	12909	5	+	92040189	92040261	
TJU_CMC.ID03034.hairpin	12910	5	-	92154969	92155039	
TJU_CMC.ID03035.hairpin	12911	5	-	92423733	92423806	
TJU_CMC.ID03036.hairpin	12912	5	+	92892562	92892631	
TJU_CMC.ID03037.hairpin	12913	5	-	93004558	93004631	
TJU_CMC.ID03038.hairpin	12914	5	+	93149834	93149905	
TJU_CMC.ID03039.hairpin	12915	5	+	93700003	93700073	
TJU_CMC.ID03040.hairpin	12916	5	+	93868082	93868152	
TJU_CMC.ID03041.hairpin	12917	5	-	94136082	94136155	
TJU_CMC.ID03042.hairpin	12918	5	-	94206586	94206657	
TJU_CMC.ID03043.hairpin	12919	5	-	94534034	94534106	
TJU_CMC.ID03044.hairpin	12920	5	+	94572966	94573039	
TJU_CMC.ID03045.hairpin	12921	5	+	94710945	94711017	
TJU_CMC.ID03046.hairpin	12922	5	+	94989135	94989206	
TJU_CMC.ID03047.hairpin	12923	5	+	95166356	95166427	
TJU_CMC.ID03048.hairpin	12924	5	+	95255756	95255828	
TJU_CMC.ID03049.hairpin	12925	5	+	95262098	95262171	
TJU_CMC.ID03050.hairpin	12926	5	-	95373449	95373520	
TJU_CMC.ID03051.hairpin	12927	5	+	95462604	95462676	
TJU_CMC.ID03052.hairpin	12928	5	-	95495965	95496038	
TJU_CMC.ID03053.hairpin	12929	5	-	95849232	95849304	
TJU_CMC.ID03054.hairpin	12930	5	+	96060965	96061036	
TJU_CMC.ID03055.hairpin	12931	5	-	96331347	96331419	

Table 1. Novel miRNA sequences

TJU_CMC.ID03056.hairpin	12932	5	+	96356035	96356107
TJU_CMC.ID03057.hairpin	12933	5	-	96409856	96409929
TJU_CMC.ID03058.hairpin	12934	5	+	96793610	96793679
TJU_CMC.ID03059.hairpin	12935	5	+	100181601	100181672
TJU_CMC.ID03060.hairpin	12936	5	-	101006505	101006576
TJU_CMC.ID03061.hairpin	12937	5	-	101169019	101169090
TJU_CMC.ID03062.hairpin	12938	5	-	102166617	102166687
TJU_CMC.ID03063.hairpin	12939	5	-	102455579	102455650
TJU_CMC.ID03064.hairpin	12940	5	+	103755397	103755468
TJU_CMC.ID03065.hairpin	12941	5	+	104003509	104003580
TJU_CMC.ID03066.hairpin	12942	5	+	104474625	104474697
TJU_CMC.ID03067.hairpin	12943	5	+	105176703	105176774
TJU_CMC.ID03068.hairpin	12944	5	+	106784034	106784103
TJU_CMC.ID03069.hairpin	12945	5	+	107296701	107296772
TJU_CMC.ID03070.hairpin	12946	5	+	107550576	107550647
TJU_CMC.ID03071.hairpin	12947	5	-	107881053	107881126
TJU_CMC.ID03072.hairpin	12948	5	-	108084331	108084402
TJU_CMC.ID03073.hairpin	12949	5	+	109026413	109026486
TJU_CMC.ID03074.hairpin	12950	5	-	109182958	109183027
TJU_CMC.ID03075.hairpin	12951	5	+	109289855	109289925
TJU_CMC.ID03076.hairpin	12952	5	-	110287357	110287427
TJU_CMC.ID03077.hairpin	12953	5	+	110649935	110650008
TJU_CMC.ID03078.hairpin	12954	5	+	110945949	110946022
TJU_CMC.ID03079.hairpin	12955	5	+	111629496	111629569
TJU_CMC.ID03080.hairpin	12956	5	-	111692723	111692795
TJU_CMC.ID03081.hairpin	12957	5	-	111701692	111701763
TJU_CMC.ID03082.hairpin	12958	5	-	112112674	112112745
TJU_CMC.ID03083.hairpin	12959	5	+	112149320	112149392
TJU_CMC.ID03084.hairpin	12960	5	+	112318238	112318307
TJU_CMC.ID03085.hairpin	12961	5	-	112476550	112476622
TJU_CMC.ID03086.hairpin	12962	5	+	113457416	113457487

Table 1. Novel miRNA sequences

TJU_CMC.ID03087.hairpin	12963	5	+	113753532	113753602
TJU_CMC.ID03088.hairpin	12964	5	-	114120578	114120650
TJU_CMC.ID03089.hairpin	12965	5	-	114364465	114364537
TJU_CMC.ID03090.hairpin	12966	5	-	114529666	114529738
TJU_CMC.ID03091.hairpin	12967	5	+	114822969	114823041
TJU_CMC.ID03092.hairpin	12968	5	+	115142856	115142927
TJU_CMC.ID03093.hairpin	12969	5	-	116038406	116038475
TJU_CMC.ID03094.hairpin	12970	5	+	116185466	116185539
TJU_CMC.ID03095.hairpin	12971	5	-	116370303	116370376
TJU_CMC.ID03096.hairpin	12972	5	+	116440864	116440936
TJU_CMC.ID03097.hairpin	12973	5	-	116566999	116567068
TJU_CMC.ID03098.hairpin	12974	5	-	117577120	117577192
TJU_CMC.ID03099.hairpin	12975	5	-	118407063	118407135
TJU_CMC.ID03100.hairpin	12976	5	-	118579676	118579747
TJU_CMC.ID03101.hairpin	12977	5	+	119323512	119323582
TJU_CMC.ID03102.hairpin	12978	5	+	120025850	120025920
TJU_CMC.ID03103.hairpin	12979	5	-	120051470	120051541
TJU_CMC.ID03104.hairpin	12980	5	+	120591623	120591695
TJU_CMC.ID03105.hairpin	12981	5	+	121770747	121770819
TJU_CMC.ID03106.hairpin	12982	5	+	122611589	122611662
TJU_CMC.ID03107.hairpin	12983	5	+	122883257	122883329
TJU_CMC.ID03108.hairpin	12984	5	+	123464062	123464133
TJU_CMC.ID03109.hairpin	12985	5	+	124237634	124237705
TJU_CMC.ID03110.hairpin	12986	5	-	124287485	124287557
TJU_CMC.ID03111.hairpin	12987	5	-	124341972	124342043
TJU_CMC.ID03112.hairpin	12988	5	+	124394580	124394653
TJU_CMC.ID03113.hairpin	12989	5	-	124400487	124400556
TJU_CMC.ID03114.hairpin	12990	5	+	124575511	124575581
TJU_CMC.ID03115.hairpin	12991	5	-	124620434	124620504
TJU_CMC.ID03116.hairpin	12992	5	-	124859831	124859900
TJU_CMC.ID03117.hairpin	12993	5	+	126054559	126054628

Table 1. Novel miRNA sequences

TJU_CMC.ID03118.hairpin	12994	5	-	126423427	126423500
TJU_CMC.ID03119.hairpin	12995	5	+	126527340	126527410
TJU_CMC.ID03120.hairpin	12996	5	-	127098090	127098160
TJU_CMC.ID03121.hairpin	12997	5	-	127292667	127292739
TJU_CMC.ID03122.hairpin	12998	5	-	127344372	127344444
TJU_CMC.ID03123.hairpin	12999	5	-	127534493	127534566
TJU_CMC.ID03124.hairpin	13000	5	+	127958810	127958882
TJU_CMC.ID03125.hairpin	13001	5	+	128006562	128006635
TJU_CMC.ID03126.hairpin	13002	5	-	128047140	128047212
TJU_CMC.ID03127.hairpin	13003	5	+	128136747	128136818
TJU_CMC.ID03128.hairpin	13004	5	-	128326279	128326352
TJU_CMC.ID03129.hairpin	13005	5	+	128829945	128830016
TJU_CMC.ID03130.hairpin	13006	5	+	128964947	128965018
TJU_CMC.ID03131.hairpin	13007	5	+	128985403	128985472
TJU_CMC.ID03132.hairpin	13008	5	-	128998943	128999012
TJU_CMC.ID03133.hairpin	13009	5	-	129224866	129224938
TJU_CMC.ID03134.hairpin	13010	5	-	129456041	129456111
TJU_CMC.ID03135.hairpin	13011	5	+	129904354	129904425
TJU_CMC.ID03136.hairpin	13012	5	-	130749815	130749886
TJU_CMC.ID03137.hairpin	13013	5	+	131377534	131377606
TJU_CMC.ID03138.hairpin	13014	5	+	131838435	131838507
TJU_CMC.ID03139.hairpin	13015	5	+	132790449	132790518
TJU_CMC.ID03140.hairpin	13016	5	+	132802520	132802593
TJU_CMC.ID03141.hairpin	13017	5	-	133126500	133126572
TJU_CMC.ID03142.hairpin	13018	5	-	133229315	133229387
TJU_CMC.ID03143.hairpin	13019	5	-	133253908	133253981
TJU_CMC.ID03144.hairpin	13020	5	-	133259218	133259289
TJU_CMC.ID03145.hairpin	13021	5	-	133412331	133412401
TJU_CMC.ID03146.hairpin	13022	5	-	133847508	133847577
TJU_CMC.ID03147.hairpin	13023	5	-	133920582	133920655
TJU_CMC.ID03148.hairpin	13024	5	-	133935533	133935605

Table 1. Novel miRNA sequences

TJU_CMC.ID03149.hairpin	13025	5	+	134221487	134221560
TJU_CMC.ID03150.hairpin	13026	5	+	134319876	134319947
TJU_CMC.ID03151.hairpin	13027	5	-	134521292	134521361
TJU_CMC.ID03152.hairpin	13028	5	-	134538139	134538211
TJU_CMC.ID03153.hairpin	13029	5	+	134746347	134746417
TJU_CMC.ID03154.hairpin	13030	5	-	134812362	134812432
TJU_CMC.ID03155.hairpin	13031	5	-	134913512	134913581
TJU_CMC.ID03156.hairpin	13032	5	-	135099159	135099231
TJU_CMC.ID03157.hairpin	13033	5	-	135416250	135416323
TJU_CMC.ID03158.hairpin	13034	5	-	135548379	135548452
TJU_CMC.ID03159.hairpin	13035	5	-	135587226	135587295
TJU_CMC.ID03160.hairpin	13036	5	-	136270583	136270652
TJU_CMC.ID03161.hairpin	13037	5	+	136510214	136510283
TJU_CMC.ID03162.hairpin	13038	5	-	136656509	136656580
TJU_CMC.ID03163.hairpin	13039	5	-	137147528	137147599
TJU_CMC.ID03164.hairpin	13040	5	-	137277144	137277216
TJU_CMC.ID03165.hairpin	13041	5	-	137297725	137297796
TJU_CMC.ID03166.hairpin	13042	5	+	137408103	137408174
TJU_CMC.ID03167.hairpin	13043	5	-	137609213	137609285
TJU_CMC.ID03168.hairpin	13044	5	-	137688512	137688585
TJU_CMC.ID03169.hairpin	13045	5	-	137774628	137774701
TJU_CMC.ID03170.hairpin	13046	5	-	137787616	137787686
TJU_CMC.ID03171.hairpin	13047	5	-	138002598	138002668
TJU_CMC.ID03172.hairpin	13048	5	-	138175580	138175650
TJU_CMC.ID03173.hairpin	13049	5	+	138272771	138272842
TJU_CMC.ID03174.hairpin	13050	5	+	138611944	138612017
TJU_CMC.ID03175.hairpin	13051	5	+	138613329	138613402
TJU_CMC.ID03176.hairpin	13052	5	+	139252246	139252318
TJU_CMC.ID03177.hairpin	13053	5	-	139277706	139277778
TJU_CMC.ID03178.hairpin	13054	5	+	139940784	139940857
TJU_CMC.ID03179.hairpin	13055	5	+	140480367	140480436

Table 1. Novel miRNA sequences

TJU_CMC.ID03180.hairpin	13056	5	+	140892049	140892119
TJU_CMC.ID03181.hairpin	13057	5	+	141071298	141071369
TJU_CMC.ID03182.hairpin	13058	5	-	141153101	141153174
TJU_CMC.ID03183.hairpin	13059	5	-	141164277	141164347
TJU_CMC.ID03184.hairpin	13060	5	+	141546439	141546509
TJU_CMC.ID03185.hairpin	13061	5	-	141822257	141822328
TJU_CMC.ID03186.hairpin	13062	5	-	141870647	141870716
TJU_CMC.ID03187.hairpin	13063	5	+	142286117	142286188
TJU_CMC.ID03188.hairpin	13064	5	+	142429953	142430023
TJU_CMC.ID03189.hairpin	13065	5	-	142520956	142521028
TJU_CMC.ID03190.hairpin	13066	5	+	143441125	143441197
TJU_CMC.ID03191.hairpin	13067	5	-	143555182	143555253
TJU_CMC.ID03192.hairpin	13068	5	-	143611569	143611641
TJU_CMC.ID03193.hairpin	13069	5	+	143683892	143683962
TJU_CMC.ID03194.hairpin	13070	5	+	144573131	144573204
TJU_CMC.ID03195.hairpin	13071	5	+	144656612	144656682
TJU_CMC.ID03196.hairpin	13072	5	+	144857681	144857754
TJU_CMC.ID03197.hairpin	13073	5	-	145582144	145582216
TJU_CMC.ID03198.hairpin	13074	5	-	145856950	145857022
TJU_CMC.ID03199.hairpin	13075	5	+	145924183	145924253
TJU_CMC.ID03200.hairpin	13076	5	-	145924213	145924283
TJU_CMC.ID03201.hairpin	13077	5	-	146294987	146295059
TJU_CMC.ID03202.hairpin	13078	5	-	146780845	146780916
TJU_CMC.ID03203.hairpin	13079	5	+	146912366	146912437
TJU_CMC.ID03204.hairpin	13080	5	-	148187356	148187429
TJU_CMC.ID03205.hairpin	13081	5	-	148191583	148191652
TJU_CMC.ID03206.hairpin	13082	5	+	148234560	148234631
TJU_CMC.ID03207.hairpin	13083	5	-	149549210	149549283
TJU_CMC.ID03208.hairpin	13084	5	+	149681952	149682023
TJU_CMC.ID03209.hairpin	13085	5	-	149787580	149787653
TJU_CMC.ID03210.hairpin	13086	5	+	149918622	149918693

Table 1. Novel miRNA sequences

TJU_CMC.ID03211.hairpin	13087	5	-	150397817	150397889	
TJU_CMC.ID03212.hairpin	13088	5	-	150440062	150440131	
TJU_CMC.ID03213.hairpin	13089	5	+	150580119	150580189	
TJU_CMC.ID03214.hairpin	13090	5	-	150878055	150878126	
TJU_CMC.ID03215.hairpin	13091	5	+	151544588	151544660	
TJU_CMC.ID03216.hairpin	13092	5	-	152223473	152223544	
TJU_CMC.ID03217.hairpin	13093	5	+	152616221	152616291	
TJU_CMC.ID03218.hairpin	13094	5	-	152836627	152836696	
TJU_CMC.ID03219.hairpin	13095	5	-	152896833	152896902	
TJU_CMC.ID03220.hairpin	13096	5	+	153118919	153118988	
TJU_CMC.ID03221.hairpin	13097	5	-	153344975	153345045	
TJU_CMC.ID03222.hairpin	13098	5	+	153429434	153429506	
TJU_CMC.ID03223.hairpin	13099	5	-	153484724	153484797	
TJU_CMC.ID03224.hairpin.ID=MI0006356;Alias=MI0006356;Name=hsa-mir-1294	13100	5	+	153726666	153726807	
TJU_CMC.ID03225.hairpin	13101	5	+	153922536	153922608	
TJU_CMC.ID03226.hairpin	13102	5	+	154004792	154004861	
TJU_CMC.ID03227.hairpin	13103	5	-	154136954	154137023	
TJU_CMC.ID03228.hairpin	13104	5	+	154345407	154345480	
TJU_CMC.ID03229.hairpin	13105	5	+	154929123	154929196	
TJU_CMC.ID03230.hairpin	13106	5	+	155383895	155383965	
TJU_CMC.ID03231.hairpin	13107	5	-	155486270	155486343	
TJU_CMC.ID03232.hairpin	13108	5	+	155763603	155763672	
TJU_CMC.ID03233.hairpin	13109	5	-	155860765	155860836	
TJU_CMC.ID03234.hairpin	13110	5	-	156339925	156339997	
TJU_CMC.ID03235.hairpin	13111	5	-	156506148	156506218	
TJU_CMC.ID03236.hairpin	13112	5	+	156986606	156986677	
TJU_CMC.ID03237.hairpin	13113	5	+	157120862	157120935	
TJU_CMC.ID03238.hairpin	13114	5	+	157348518	157348587	
TJU_CMC.ID03239.hairpin	13115	5	+	157390833	157390905	

Table 1. Novel miRNA sequences

TJU_CMC.ID03240.hairpin	13116	5	-	157532018	157532087
TJU_CMC.ID03241.hairpin	13117	5	+	157808324	157808396
TJU_CMC.ID03242.hairpin	13118	5	+	157926174	157926244
TJU_CMC.ID03243.hairpin	13119	5	-	158469057	158469130
TJU_CMC.ID03244.hairpin	13120	5	-	158971105	158971177
TJU_CMC.ID03245.hairpin	13121	5	+	159252567	159252638
TJU_CMC.ID03246.hairpin	13122	5	-	159509724	159509795
TJU_CMC.ID03247.hairpin	13123	5	+	159919992	159920061
TJU_CMC.ID03248.hairpin	13124	5	-	160361189	160361262
TJU_CMC.ID03249.hairpin	13125	5	-	160693526	160693599
TJU_CMC.ID03250.hairpin	13126	5	+	161172825	161172897
TJU_CMC.ID03251.hairpin	13127	5	-	161574408	161574479
TJU_CMC.ID03252.hairpin	13128	5	-	161947029	161947102
TJU_CMC.ID03253.hairpin	13129	5	-	162219739	162219808
TJU_CMC.ID03254.hairpin	13130	5	+	162225642	162225715
TJU_CMC.ID03255.hairpin	13131	5	+	162249340	162249411
TJU_CMC.ID03256.hairpin	13132	5	-	162558882	162558955
TJU_CMC.ID03257.hairpin	13133	5	-	163733429	163733501
TJU_CMC.ID03258.hairpin	13134	5	-	163997197	163997270
TJU_CMC.ID03259.hairpin	13135	5	+	164057301	164057372
TJU_CMC.ID03260.hairpin	13136	5	-	164624994	164625067
TJU_CMC.ID03261.hairpin	13137	5	+	164773189	164773261
TJU_CMC.ID03262.hairpin	13138	5	-	165254419	165254490
TJU_CMC.ID03263.hairpin	13139	5	+	165625967	165626038
TJU_CMC.ID03264.hairpin	13140	5	-	166082768	166082841
TJU_CMC.ID03265.hairpin	13141	5	+	167375499	167375568
TJU_CMC.ID03266.hairpin	13142	5	+	167752178	167752250
TJU_CMC.ID03267.hairpin	13143	5	-	167754825	167754894
TJU_CMC.ID03268.hairpin	13144	5	+	167792146	167792218
TJU_CMC.ID03269.hairpin	13145	5	-	167956325	167956398

Table 1. Novel miRNA sequences

TJU_CMC.ID03270.hairpin.ID=MI0000109;Alias=MI0000109;Name=hsa-mir-103a-1	13146	5	-	167987901	167987978	
TJU_CMC.ID03271.hairpin	13147	5	-	168106594	168106663	
TJU_CMC.ID03272.hairpin	13148	5	+	168244123	168244194	
TJU_CMC.ID03273.hairpin	13149	5	-	168406104	168406175	
TJU_CMC.ID03274.hairpin	13150	5	-	168424734	168424805	
TJU_CMC.ID03275.hairpin	13151	5	-	168672654	168672724	
TJU_CMC.ID03276.hairpin	13152	5	-	169139875	169139946	
TJU_CMC.ID03277.hairpin	13153	5	+	169426010	169426079	
TJU_CMC.ID03278.hairpin	13154	5	-	169551032	169551104	
TJU_CMC.ID03279.hairpin	13155	5	+	169647266	169647339	
TJU_CMC.ID03280.hairpin	13156	5	+	169798597	169798666	
TJU_CMC.ID03281.hairpin	13157	5	+	170062988	170063061	
TJU_CMC.ID03282.hairpin	13158	5	-	170090240	170090312	
TJU_CMC.ID03283.hairpin	13159	5	+	170362420	170362491	
TJU_CMC.ID03284.hairpin	13160	5	+	170733339	170733410	
TJU_CMC.ID03285.hairpin	13161	5	+	170843738	170843810	
TJU_CMC.ID03286.hairpin	13162	5	+	171121211	171121280	
TJU_CMC.ID03287.hairpin	13163	5	-	171252842	171252911	
TJU_CMC.ID03288.hairpin	13164	5	-	171286549	171286620	
TJU_CMC.ID03289.hairpin	13165	5	-	171574305	171574376	
TJU_CMC.ID03290.hairpin	13166	5	-	171856761	171856834	
TJU_CMC.ID03291.hairpin	13167	5	+	171964014	171964083	
TJU_CMC.ID03292.hairpin	13168	5	+	171998542	171998615	
TJU_CMC.ID03293.hairpin	13169	5	-	172096817	172096890	
TJU_CMC.ID03294.hairpin	13170	5	-	172170174	172170243	
TJU_CMC.ID03295.hairpin	13171	5	-	172182398	172182469	
TJU_CMC.ID03296.hairpin	13172	5	+	172477977	172478050	
TJU_CMC.ID03297.hairpin	13173	5	-	172529928	172529999	
TJU_CMC.ID03298.hairpin	13174	5	+	172732187	172732259	

Table 1. Novel miRNA sequences

TJU_CMC.ID03299.hairpin	13175	5	+	173085797	173085868
TJU_CMC.ID03300.hairpin	13176	5	+	173125910	173125983
TJU_CMC.ID03301.hairpin	13177	5	-	173143592	173143664
TJU_CMC.ID03302.hairpin	13178	5	+	173196531	173196603
TJU_CMC.ID03303.hairpin	13179	5	+	173379220	173379291
TJU_CMC.ID03304.hairpin	13180	5	+	173591827	173591897
TJU_CMC.ID03305.hairpin	13181	5	-	173599703	173599776
TJU_CMC.ID03306.hairpin	13182	5	-	174575997	174576069
TJU_CMC.ID03307.hairpin	13183	5	+	174598009	174598081
TJU_CMC.ID03308.hairpin	13184	5	+	174766409	174766480
TJU_CMC.ID03309.hairpin	13185	5	+	175173823	175173896
TJU_CMC.ID03310.hairpin	13186	5	-	175569684	175569755
TJU_CMC.ID03311.hairpin	13187	5	+	175665757	175665828
TJU_CMC.ID03312.hairpin	13188	5	-	175790950	175791019
TJU_CMC.ID03313.hairpin	13189	5	+	175977663	175977734
TJU_CMC.ID03314.hairpin	13190	5	+	176251933	176252004
TJU_CMC.ID03315.hairpin	13191	5	+	176470634	176470707
TJU_CMC.ID03316.hairpin	13192	5	-	176737366	176737435
TJU_CMC.ID03317.hairpin	13193	5	-	176791814	176791885
TJU_CMC.ID03318.hairpin	13194	5	-	176941810	176941881
TJU_CMC.ID03319.hairpin	13195	5	+	177228824	177228893
TJU_CMC.ID03320.hairpin	13196	5	-	177419460	177419530
TJU_CMC.ID03321.hairpin	13197	5	-	177548030	177548102
TJU_CMC.ID03322.hairpin	13198	5	+	177576125	177576194
TJU_CMC.ID03323.hairpin	13199	5	+	177715735	177715807
TJU_CMC.ID03324.hairpin	13200	5	+	177919251	177919323
TJU_CMC.ID03325.hairpin	13201	5	+	178279557	178279628
TJU_CMC.ID03326.hairpin	13202	5	-	178375600	178375669
TJU_CMC.ID03327.hairpin	13203	5	-	178418535	178418605
TJU_CMC.ID03328.hairpin	13204	5	+	178549710	178549782
TJU_CMC.ID03329.hairpin	13205	5	+	178575125	178575196

Table 1. Novel miRNA sequences

TJU_CMC.ID03330.hairpin	13206	5	+	178695947	178696016
TJU_CMC.ID03331.hairpin	13207	5	-	178757317	178757389
TJU_CMC.ID03332.hairpin	13208	5	-	178803797	178803869
TJU_CMC.ID03333.hairpin	13209	5	-	179000374	179000446
TJU_CMC.ID03334.hairpin	13210	5	-	179029214	179029285
TJU_CMC.ID03335.hairpin	13211	5	-	179428137	179428208
TJU_CMC.ID03336.hairpin	13212	5	+	179546385	179546454
TJU_CMC.ID03337.hairpin	13213	5	+	179586578	179586651
TJU_CMC.ID03338.hairpin	13214	5	-	179763863	179763934
TJU_CMC.ID03339.hairpin	13215	5	-	179922005	179922074
TJU_CMC.ID03340.hairpin	13216	5	-	180369855	180369927
TJU_CMC.ID03341.hairpin	13217	6	+	478056	478129
TJU_CMC.ID03342.hairpin	13218	6	+	670853	670922
TJU_CMC.ID03343.hairpin	13219	6	-	1064842	1064913
TJU_CMC.ID03344.hairpin	13220	6	-	1389363	1389436
TJU_CMC.ID03345.hairpin	13221	6	-	1390134	1390203
TJU_CMC.ID03346.hairpin	13222	6	+	1632722	1632795
TJU_CMC.ID03347.hairpin	13223	6	+	1960695	1960766
TJU_CMC.ID03348.hairpin	13224	6	-	2143046	2143117
TJU_CMC.ID03349.hairpin	13225	6	+	2245482	2245551
TJU_CMC.ID03350.hairpin	13226	6	+	2349175	2349246
TJU_CMC.ID03351.hairpin	13227	6	+	3078104	3078175
TJU_CMC.ID03352.hairpin	13228	6	-	3122615	3122686
TJU_CMC.ID03353.hairpin	13229	6	+	3163184	3163257
TJU_CMC.ID03354.hairpin	13230	6	-	3203695	3203764
TJU_CMC.ID03355.hairpin	13231	6	-	3252996	3253067
TJU_CMC.ID03356.hairpin	13232	6	+	3329029	3329099
TJU_CMC.ID03357.hairpin	13233	6	+	3985157	3985229
TJU_CMC.ID03358.hairpin	13234	6	+	3997496	3997567
TJU_CMC.ID03359.hairpin	13235	6	+	4816440	4816509
TJU_CMC.ID03360.hairpin	13236	6	+	5208486	5208557

Table 1. Novel miRNA sequences

TJU_CMC.ID03361.hairpin	13237	6	+	5948620	5948690
TJU_CMC.ID03362.hairpin	13238	6	-	5976046	5976116
TJU_CMC.ID03363.hairpin	13239	6	-	6152177	6152249
TJU_CMC.ID03364.hairpin	13240	6	+	6502475	6502548
TJU_CMC.ID03365.hairpin	13241	6	+	7120222	7120295
TJU_CMC.ID03366.hairpin	13242	6	-	7279260	7279329
TJU_CMC.ID03367.hairpin	13243	6	+	7894518	7894590
TJU_CMC.ID03368.hairpin	13244	6	-	7970824	7970894
TJU_CMC.ID03369.hairpin	13245	6	-	8086636	8086709
TJU_CMC.ID03370.hairpin	13246	6	-	8145653	8145723
TJU_CMC.ID03371.hairpin	13247	6	+	8727207	8727278
TJU_CMC.ID03372.hairpin	13248	6	-	8974552	8974624
TJU_CMC.ID03373.hairpin	13249	6	+	9316332	9316404
TJU_CMC.ID03374.hairpin	13250	6	+	9346457	9346528
TJU_CMC.ID03375.hairpin	13251	6	+	9786494	9786564
TJU_CMC.ID03376.hairpin	13252	6	+	9945134	9945205
TJU_CMC.ID03377.hairpin	13253	6	+	10083670	10083743
TJU_CMC.ID03378.hairpin	13254	6	+	10561024	10561095
TJU_CMC.ID03380.hairpin	13255	6	+	10780596	10780667
TJU_CMC.ID03381.hairpin	13256	6	+	10887828	10887899
TJU_CMC.ID03382.hairpin	13257	6	+	11218020	11218089
TJU_CMC.ID03383.hairpin	13258	6	+	11537248	11537321
TJU_CMC.ID03384.hairpin	13259	6	+	11586857	11586928
TJU_CMC.ID03385.hairpin	13260	6	-	12407951	12408023
TJU_CMC.ID03386.hairpin	13261	6	-	12471429	12471499
TJU_CMC.ID03387.hairpin	13262	6	-	13828551	13828621
TJU_CMC.ID03388.hairpin	13263	6	-	14211272	14211345
TJU_CMC.ID03389.hairpin	13264	6	+	14410239	14410310
TJU_CMC.ID03390.hairpin	13265	6	+	14649965	14650034
TJU_CMC.ID03391.hairpin	13266	6	+	14750687	14750758
TJU_CMC.ID03392.hairpin	13267	6	-	15060779	15060850

Table 1. Novel miRNA sequences

TJU_CMC.ID03393.hairpin	13268	6	-	15303826	15303899
TJU_CMC.ID03394.hairpin	13269	6	+	16979994	16980067
TJU_CMC.ID03395.hairpin	13270	6	+	17327141	17327211
TJU_CMC.ID03396.hairpin	13271	6	+	17554906	17554978
TJU_CMC.ID03397.hairpin	13272	6	+	18100628	18100697
TJU_CMC.ID03398.hairpin	13273	6	+	18158433	18158504
TJU_CMC.ID03399.hairpin	13274	6	+	18447767	18447838
TJU_CMC.ID03400.hairpin	13275	6	-	18477624	18477696
TJU_CMC.ID03401.hairpin	13276	6	-	18562506	18562578
TJU_CMC.ID03402.hairpin	13277	6	-	19115731	19115800
TJU_CMC.ID03403.hairpin	13278	6	-	19194190	19194263
TJU_CMC.ID03404.hairpin	13279	6	+	19382919	19382989
TJU_CMC.ID03405.hairpin	13280	6	+	19598829	19598899
TJU_CMC.ID03406.hairpin	13281	6	-	19716317	19716386
TJU_CMC.ID03407.hairpin	13282	6	+	20035257	20035329
TJU_CMC.ID03408.hairpin	13283	6	+	20160180	20160249
TJU_CMC.ID03409.hairpin	13284	6	+	20438801	20438870
TJU_CMC.ID03410.hairpin	13285	6	-	21072633	21072705
TJU_CMC.ID03411.hairpin	13286	6	+	21216455	21216524
TJU_CMC.ID03412.hairpin	13287	6	+	21441871	21441941
TJU_CMC.ID03413.hairpin	13288	6	+	21491400	21491472
TJU_CMC.ID03414.hairpin	13289	6	+	21495055	21495124
TJU_CMC.ID03415.hairpin	13290	6	+	21530294	21530367
TJU_CMC.ID03416.hairpin	13291	6	-	21718009	21718078
TJU_CMC.ID03417.hairpin	13292	6	-	22764956	22765027
TJU_CMC.ID03418.hairpin	13293	6	-	23518400	23518470
TJU_CMC.ID03419.hairpin	13294	6	+	24136881	24136953
TJU_CMC.ID03420.hairpin	13295	6	+	24663291	24663362
TJU_CMC.ID03421.hairpin	13296	6	-	24911397	24911467
TJU_CMC.ID03422.hairpin	13297	6	+	25407571	25407644
TJU_CMC.ID03423.hairpin	13298	6	-	25959549	25959622

Table 1. Novel miRNA sequences

TJU_CMC.ID03424.hairpin	13299	6	+	26453651	26453722
TJU_CMC.ID03425.hairpin	13300	6	-	26567862	26567931
TJU_CMC.ID03426.hairpin	13301	6	+	26660411	26660482
TJU_CMC.ID03427.hairpin	13302	6	+	27382693	27382765
TJU_CMC.ID03428.hairpin	13303	6	-	27600709	27600781
TJU_CMC.ID03429.hairpin	13304	6	-	28184399	28184468
TJU_CMC.ID03430.hairpin	13305	6	-	28615959	28616028
TJU_CMC.ID03431.hairpin	13306	6	-	28641588	28641658
TJU_CMC.ID03432.hairpin	13307	6	-	29198592	29198662
TJU_CMC.ID03433.hairpin	13308	6	-	29522152	29522224
TJU_CMC.ID03434.hairpin	13309	6	+	30153066	30153139
TJU_CMC.ID03435.hairpin	13310	6	+	30529885	30529954
TJU_CMC.ID03436.hairpin	13311	6	-	30694667	30694739
TJU_CMC.ID03437.hairpin	13312	6	+	30712191	30712262
TJU_CMC.ID03438.hairpin	13313	6	-	31671002	31671075
TJU_CMC.ID03439.hairpin	13314	6	+	31908205	31908276
TJU_CMC.ID03440.hairpin	13315	6	-	32036611	32036682
TJU_CMC.ID03441.hairpin	13316	6	-	32084009	32084082
TJU_CMC.ID03442.hairpin	13317	6	-	32728934	32729004
TJU_CMC.ID03443.hairpin	13318	6	+	32764794	32764865
TJU_CMC.ID03444.hairpin	13319	6	-	33547297	33547368
TJU_CMC.ID03445.hairpin	13320	6	-	33573025	33573095
TJU_CMC.ID03446.hairpin	13321	6	+	33834355	33834424
TJU_CMC.ID03447.hairpin	13322	6	-	33872797	33872868
TJU_CMC.ID03448.hairpin	13323	6	-	34201364	34201435
TJU_CMC.ID03449.hairpin	13324	6	-	34352365	34352434
TJU_CMC.ID03450.hairpin	13325	6	-	35458225	35458295
TJU_CMC.ID03451.hairpin	13326	6	-	35465809	35465879
TJU_CMC.ID03452.hairpin	13327	6	-	35928693	35928765
TJU_CMC.ID03453.hairpin	13328	6	+	36172817	36172888
TJU_CMC.ID03454.hairpin	13329	6	+	36201193	36201262

Table 1. Novel miRNA sequences

TJU_CMC.ID03455.hairpin	13330	6	-	36383874	36383943
TJU_CMC.ID03456.hairpin	13331	6	+	36833588	36833661
TJU_CMC.ID03457.hairpin	13332	6	-	36853332	36853404
TJU_CMC.ID03458.hairpin	13333	6	-	37014002	37014075
TJU_CMC.ID03459.hairpin	13334	6	+	37503187	37503257
TJU_CMC.ID03460.hairpin	13335	6	+	37707734	37707807
TJU_CMC.ID03461.hairpin	13336	6	+	37883389	37883462
TJU_CMC.ID03462.hairpin	13337	6	+	38528384	38528453
TJU_CMC.ID03463.hairpin	13338	6	+	39152596	39152666
TJU_CMC.ID03464.hairpin	13339	6	+	41339098	41339170
TJU_CMC.ID03465.hairpin	13340	6	+	41659356	41659428
TJU_CMC.ID03466.hairpin	13341	6	-	41701286	41701357
TJU_CMC.ID03467.hairpin	13342	6	+	42089994	42090063
TJU_CMC.ID03468.hairpin	13343	6	+	42121331	42121403
TJU_CMC.ID03469.hairpin	13344	6	-	42121346	42121417
TJU_CMC.ID03470.hairpin	13345	6	+	42161307	42161377
TJU_CMC.ID03471.hairpin	13346	6	-	42393584	42393654
TJU_CMC.ID03472.hairpin	13347	6	-	43340276	43340345
TJU_CMC.ID03473.hairpin	13348	6	-	43642491	43642562
TJU_CMC.ID03474.hairpin	13349	6	-	43714445	43714515
TJU_CMC.ID03475.hairpin	13350	6	+	43745232	43745301
TJU_CMC.ID03476.hairpin	13351	6	-	43791875	43791947
TJU_CMC.ID03477.hairpin	13352	6	+	43813219	43813289
TJU_CMC.ID03478.hairpin	13353	6	-	43910513	43910586
TJU_CMC.ID03479.hairpin	13354	6	+	43991708	43991780
TJU_CMC.ID03480.hairpin	13355	6	+	44073578	44073648
TJU_CMC.ID03481.hairpin	13356	6	-	44197333	44197402
TJU_CMC.ID03482.hairpin	13357	6	-	44226504	44226576
TJU_CMC.ID03483.hairpin	13358	6	-	44226952	44227025
TJU_CMC.ID03484.hairpin	13359	6	-	44277143	44277212
TJU_CMC.ID03485.hairpin	13360	6	-	44531481	44531551

Table 1. Novel miRNA sequences

TJU_CMC.ID03486.hairpin	13361	6	-	44717775	44717847
TJU_CMC.ID03487.hairpin	13362	6	+	45030134	45030206
TJU_CMC.ID03488.hairpin	13363	6	-	45318232	45318302
TJU_CMC.ID03489.hairpin	13364	6	+	45486888	45486960
TJU_CMC.ID03490.hairpin	13365	6	-	45626814	45626883
TJU_CMC.ID03491.hairpin	13366	6	+	45633964	45634034
TJU_CMC.ID03492.hairpin	13367	6	+	45867346	45867416
TJU_CMC.ID03493.hairpin	13368	6	-	45922209	45922278
TJU_CMC.ID03494.hairpin	13369	6	+	46056041	46056113
TJU_CMC.ID03495.hairpin	13370	6	-	46476366	46476435
TJU_CMC.ID03496.hairpin	13371	6	+	46899181	46899252
TJU_CMC.ID03497.hairpin	13372	6	+	47196659	47196731
TJU_CMC.ID03498.hairpin	13373	6	-	48285725	48285798
TJU_CMC.ID03499.hairpin	13374	6	-	48529150	48529223
TJU_CMC.ID03500.hairpin	13375	6	+	48724333	48724404
TJU_CMC.ID03501.hairpin	13376	6	+	49272686	49272757
TJU_CMC.ID03502.hairpin	13377	6	-	49942990	49943060
TJU_CMC.ID03503.hairpin	13378	6	-	50062228	50062299
TJU_CMC.ID03504.hairpin	13379	6	+	50419647	50419719
TJU_CMC.ID03505.hairpin	13380	6	-	50756824	50756895
TJU_CMC.ID03506.hairpin	13381	6	+	50994970	50995042
TJU_CMC.ID03507.hairpin	13382	6	-	51911657	51911727
TJU_CMC.ID03508.hairpin	13383	6	-	51972905	51972978
TJU_CMC.ID03509.hairpin	13384	6	-	52565417	52565490
TJU_CMC.ID03510.hairpin	13385	6	+	52724820	52724891
TJU_CMC.ID03511.hairpin	13386	6	-	52885032	52885104
TJU_CMC.ID03512.hairpin	13387	6	+	53004427	53004496
TJU_CMC.ID03513.hairpin	13388	6	-	53369914	53369983
TJU_CMC.ID03514.hairpin	13389	6	+	53548992	53549062
TJU_CMC.ID03515.hairpin	13390	6	+	53591817	53591886
TJU_CMC.ID03516.hairpin	13391	6	+	53686273	53686345

Table 1. Novel miRNA sequences

TJU_CMC.ID03517.hairpin	13392	6	-	53991664	53991736
TJU_CMC.ID03518.hairpin	13393	6	-	54281934	54282007
TJU_CMC.ID03519.hairpin	13394	6	+	55034243	55034315
TJU_CMC.ID03520.hairpin	13395	6	-	55253592	55253664
TJU_CMC.ID03521.hairpin	13396	6	-	55631236	55631309
TJU_CMC.ID03522.hairpin	13397	6	+	55904114	55904184
TJU_CMC.ID03523.hairpin	13398	6	+	56103667	56103738
TJU_CMC.ID03524.hairpin	13399	6	+	57349944	57350017
TJU_CMC.ID03525.hairpin	13400	6	+	57670121	57670193
TJU_CMC.ID03526.hairpin	13401	6	-	58587419	58587489
TJU_CMC.ID03527.hairpin	13402	6	+	62207513	62207586
TJU_CMC.ID03528.hairpin	13403	6	+	62955538	62955610
TJU_CMC.ID03529.hairpin	13404	6	-	63181725	63181794
TJU_CMC.ID03530.hairpin	13405	6	-	65321923	65321992
TJU_CMC.ID03531.hairpin	13406	6	+	65540814	65540885
TJU_CMC.ID03532.hairpin	13407	6	+	65681153	65681226
TJU_CMC.ID03533.hairpin	13408	6	+	65790465	65790535
TJU_CMC.ID03534.hairpin	13409	6	-	65791816	65791888
TJU_CMC.ID03535.hairpin	13410	6	+	66053739	66053810
TJU_CMC.ID03536.hairpin	13411	6	-	66771341	66771410
TJU_CMC.ID03537.hairpin	13412	6	+	67117283	67117354
TJU_CMC.ID03538.hairpin	13413	6	-	67394241	67394313
TJU_CMC.ID03539.hairpin	13414	6	+	67457997	67458068
TJU_CMC.ID03540.hairpin	13415	6	+	67463704	67463773
TJU_CMC.ID03541.hairpin	13416	6	-	67646456	67646526
TJU_CMC.ID03542.hairpin	13417	6	+	68268168	68268239
TJU_CMC.ID03543.hairpin	13418	6	-	68714281	68714354
TJU_CMC.ID03544.hairpin	13419	6	-	69343097	69343166
TJU_CMC.ID03545.hairpin	13420	6	+	70908478	70908550
TJU_CMC.ID03546.hairpin	13421	6	+	70922082	70922153
TJU_CMC.ID03547.hairpin	13422	6	+	71109276	71109347

Table 1. Novel miRNA sequences

TJU_CMC.ID03548.hairpin	13423	6	+	71248251	71248322
TJU_CMC.ID03549.hairpin	13424	6	-	72053735	72053808
TJU_CMC.ID03550.hairpin	13425	6	-	73048450	73048519
TJU_CMC.ID03551.hairpin	13426	6	+	73187393	73187463
TJU_CMC.ID03552.hairpin	13427	6	-	73860302	73860375
TJU_CMC.ID03553.hairpin	13428	6	+	74221710	74221780
TJU_CMC.ID03554.hairpin	13429	6	+	74516438	74516510
TJU_CMC.ID03555.hairpin	13430	6	+	74540957	74541026
TJU_CMC.ID03556.hairpin	13431	6	-	74921502	74921572
TJU_CMC.ID03557.hairpin	13432	6	+	75275879	75275952
TJU_CMC.ID03558.hairpin	13433	6	+	75702776	75702849
TJU_CMC.ID03559.hairpin	13434	6	+	76356220	76356292
TJU_CMC.ID03560.hairpin	13435	6	+	77564755	77564824
TJU_CMC.ID03561.hairpin	13436	6	-	77604593	77604666
TJU_CMC.ID03562.hairpin	13437	6	-	77694451	77694523
TJU_CMC.ID03563.hairpin	13438	6	-	78168463	78168534
TJU_CMC.ID03564.hairpin	13439	6	+	79060542	79060613
TJU_CMC.ID03565.hairpin	13440	6	+	79787662	79787731
TJU_CMC.ID03566.hairpin	13441	6	+	80140330	80140399
TJU_CMC.ID03567.hairpin	13442	6	-	80341262	80341335
TJU_CMC.ID03568.hairpin	13443	6	-	80581239	80581309
TJU_CMC.ID03569.hairpin	13444	6	-	81050104	81050176
TJU_CMC.ID03570.hairpin	13445	6	+	81124379	81124450
TJU_CMC.ID03571.hairpin	13446	6	-	81437254	81437325
TJU_CMC.ID03572.hairpin	13447	6	-	83361845	83361916
TJU_CMC.ID03573.hairpin	13448	6	-	83587377	83587449
TJU_CMC.ID03574.hairpin	13449	6	+	83618637	83618709
TJU_CMC.ID03575.hairpin	13450	6	+	83756943	83757014
TJU_CMC.ID03576.hairpin	13451	6	+	83764750	83764822
TJU_CMC.ID03577.hairpin	13452	6	+	83932400	83932472
TJU_CMC.ID03578.hairpin	13453	6	-	84021646	84021716

Table 1. Novel miRNA sequences

TJU_CMC.ID03579.hairpin	13454	6	+	84998696	84998767
TJU_CMC.ID03580.hairpin	13455	6	-	85668634	85668706
TJU_CMC.ID03581.hairpin	13456	6	+	86578610	86578682
TJU_CMC.ID03582.hairpin	13457	6	+	87156762	87156831
TJU_CMC.ID03583.hairpin	13458	6	-	87277989	87278060
TJU_CMC.ID03584.hairpin	13459	6	+	87788718	87788790
TJU_CMC.ID03585.hairpin	13460	6	+	88662853	88662926
TJU_CMC.ID03586.hairpin	13461	6	+	88682712	88682785
TJU_CMC.ID03587.hairpin	13462	6	-	88825169	88825240
TJU_CMC.ID03588.hairpin	13463	6	+	89135692	89135764
TJU_CMC.ID03589.hairpin	13464	6	-	89240036	89240105
TJU_CMC.ID03590.hairpin	13465	6	-	89402572	89402642
TJU_CMC.ID03591.hairpin	13466	6	+	89731699	89731771
TJU_CMC.ID03592.hairpin	13467	6	-	89803154	89803225
TJU_CMC.ID03593.hairpin	13468	6	-	90524490	90524560
TJU_CMC.ID03594.hairpin	13469	6	-	90539538	90539610
TJU_CMC.ID03595.hairpin	13470	6	-	90714942	90715012
TJU_CMC.ID03596.hairpin	13471	6	-	90755677	90755750
TJU_CMC.ID03597.hairpin	13472	6	-	91064320	91064393
TJU_CMC.ID03598.hairpin	13473	6	+	91152079	91152151
TJU_CMC.ID03599.hairpin	13474	6	+	91993604	91993674
TJU_CMC.ID03600.hairpin	13475	6	-	92067916	92067986
TJU_CMC.ID03601.hairpin	13476	6	-	92106978	92107049
TJU_CMC.ID03602.hairpin	13477	6	-	92258580	92258652
TJU_CMC.ID03603.hairpin	13478	6	+	92579602	92579673
TJU_CMC.ID03604.hairpin	13479	6	-	92604777	92604848
TJU_CMC.ID03605.hairpin	13480	6	-	93341343	93341415
TJU_CMC.ID03606.hairpin	13481	6	-	93524091	93524161
TJU_CMC.ID03607.hairpin	13482	6	+	94143306	94143377
TJU_CMC.ID03608.hairpin	13483	6	+	94431211	94431281
TJU_CMC.ID03609.hairpin	13484	6	-	94464505	94464576

Table 1. Novel miRNA sequences

TJU_CMC.ID03610.hairpin	13485	6	+	94672538	94672607
TJU_CMC.ID03611.hairpin	13486	6	-	94736804	94736874
TJU_CMC.ID03612.hairpin	13487	6	-	94820262	94820334
TJU_CMC.ID03613.hairpin	13488	6	-	95057639	95057708
TJU_CMC.ID03614.hairpin	13489	6	+	95188157	95188226
TJU_CMC.ID03615.hairpin	13490	6	+	96449536	96449607
TJU_CMC.ID03616.hairpin	13491	6	-	96755736	96755809
TJU_CMC.ID03617.hairpin	13492	6	-	96868775	96868846
TJU_CMC.ID03618.hairpin	13493	6	-	97091765	97091836
TJU_CMC.ID03619.hairpin	13494	6	-	97123091	97123162
TJU_CMC.ID03620.hairpin	13495	6	+	97175173	97175244
TJU_CMC.ID03621.hairpin	13496	6	+	97596337	97596406
TJU_CMC.ID03622.hairpin	13497	6	-	97983656	97983727
TJU_CMC.ID03623.hairpin	13498	6	+	98758572	98758642
TJU_CMC.ID03624.hairpin	13499	6	+	99568789	99568859
TJU_CMC.ID03625.hairpin	13500	6	-	99839385	99839456
TJU_CMC.ID03626.hairpin	13501	6	+	99973090	99973160
TJU_CMC.ID03627.hairpin	13502	6	+	100111444	100111514
TJU_CMC.ID03628.hairpin	13503	6	+	100903020	100903091
TJU_CMC.ID03629.hairpin	13504	6	-	101046031	101046100
TJU_CMC.ID03630.hairpin	13505	6	+	101132349	101132419
TJU_CMC.ID03631.hairpin	13506	6	-	101237113	101237185
TJU_CMC.ID03632.hairpin	13507	6	-	101648281	101648350
TJU_CMC.ID03633.hairpin	13508	6	-	101726158	101726231
TJU_CMC.ID03634.hairpin	13509	6	-	102056001	102056074
TJU_CMC.ID03635.hairpin	13510	6	+	105388569	105388641
TJU_CMC.ID03636.hairpin	13511	6	-	105843501	105843571
TJU_CMC.ID03637.hairpin	13512	6	+	106019201	106019271
TJU_CMC.ID03638.hairpin	13513	6	-	106183651	106183721
TJU_CMC.ID03639.hairpin	13514	6	-	106266259	106266331
TJU_CMC.ID03640.hairpin	13515	6	-	106365313	106365384

Table 1. Novel miRNA sequences

TJU_CMC.ID03641.hairpin	13516	6	+	106401267	106401337
TJU_CMC.ID03642.hairpin	13517	6	+	106416549	106416621
TJU_CMC.ID03643.hairpin	13518	6	+	106601183	106601254
TJU_CMC.ID03644.hairpin	13519	6	-	106952212	106952283
TJU_CMC.ID03645.hairpin	13520	6	-	106975286	106975357
TJU_CMC.ID03646.hairpin	13521	6	+	106981144	106981216
TJU_CMC.ID03647.hairpin	13522	6	-	107174665	107174737
TJU_CMC.ID03648.hairpin	13523	6	-	107214978	107215048
TJU_CMC.ID03649.hairpin	13524	6	-	107349755	107349828
TJU_CMC.ID03650.hairpin	13525	6	+	107437211	107437283
TJU_CMC.ID03651.hairpin	13526	6	+	107864473	107864544
TJU_CMC.ID03652.hairpin	13527	6	-	108322548	108322621
TJU_CMC.ID03653.hairpin	13528	6	-	108859786	108859858
TJU_CMC.ID03654.hairpin	13529	6	+	109090602	109090673
TJU_CMC.ID03655.hairpin	13530	6	-	109180360	109180433
TJU_CMC.ID03656.hairpin	13531	6	-	109804820	109804889
TJU_CMC.ID03657.hairpin	13532	6	-	110395993	110396063
TJU_CMC.ID03658.hairpin	13533	6	-	110604766	110604837
TJU_CMC.ID03659.hairpin	13534	6	-	110710166	110710235
TJU_CMC.ID03660.hairpin	13535	6	+	111051092	111051164
TJU_CMC.ID03661.hairpin	13536	6	-	111342724	111342795
TJU_CMC.ID03662.hairpin	13537	6	+	111645766	111645836
TJU_CMC.ID03663.hairpin	13538	6	+	112735195	112735268
TJU_CMC.ID03664.hairpin	13539	6	-	113260651	113260720
TJU_CMC.ID03665.hairpin	13540	6	+	113303523	113303596
TJU_CMC.ID03666.hairpin	13541	6	+	113779903	113779975
TJU_CMC.ID03667.hairpin	13542	6	+	114058937	114059010
TJU_CMC.ID03668.hairpin	13543	6	-	114293367	114293438
TJU_CMC.ID03669.hairpin	13544	6	-	114538906	114538975
TJU_CMC.ID03670.hairpin	13545	6	-	114621101	114621173
TJU_CMC.ID03671.hairpin	13546	6	-	115582720	115582791

Table 1. Novel miRNA sequences

TJU_CMC.ID03672.hairpin	13547	6	-	116305254	116305325
TJU_CMC.ID03673.hairpin	13548	6	+	116546525	116546595
TJU_CMC.ID03674.hairpin	13549	6	-	116989149	116989220
TJU_CMC.ID03675.hairpin	13550	6	-	117235858	117235927
TJU_CMC.ID03676.hairpin	13551	6	+	117372671	117372744
TJU_CMC.ID03677.hairpin	13552	6	-	117762393	117762466
TJU_CMC.ID03678.hairpin	13553	6	+	117809239	117809311
TJU_CMC.ID03679.hairpin	13554	6	-	118150569	118150642
TJU_CMC.ID03680.hairpin	13555	6	+	118613546	118613618
TJU_CMC.ID03681.hairpin	13556	6	-	118619506	118619577
TJU_CMC.ID03682.hairpin	13557	6	+	119102720	119102793
TJU_CMC.ID03683.hairpin	13558	6	+	119379024	119379096
TJU_CMC.ID03684.hairpin	13559	6	-	119402042	119402111
TJU_CMC.ID03685.hairpin	13560	6	+	119462366	119462435
TJU_CMC.ID03686.hairpin	13561	6	-	119825791	119825863
TJU_CMC.ID03687.hairpin	13562	6	-	120338347	120338420
TJU_CMC.ID03688.hairpin	13563	6	-	121664837	121664909
TJU_CMC.ID03689.hairpin	13564	6	+	123679388	123679460
TJU_CMC.ID03690.hairpin	13565	6	-	123743601	123743672
TJU_CMC.ID03691.hairpin	13566	6	+	124124740	124124811
TJU_CMC.ID03692.hairpin	13567	6	+	124540827	124540897
TJU_CMC.ID03693.hairpin	13568	6	-	124938076	124938148
TJU_CMC.ID03694.hairpin	13569	6	+	125291977	125292046
TJU_CMC.ID03695.hairpin	13570	6	-	126022933	126023002
TJU_CMC.ID03696.hairpin	13571	6	+	126712979	126713051
TJU_CMC.ID03697.hairpin	13572	6	+	126862598	126862670
TJU_CMC.ID03698.hairpin	13573	6	+	127440592	127440664
TJU_CMC.ID03699.hairpin	13574	6	+	127476347	127476418
TJU_CMC.ID03700.hairpin	13575	6	+	127496598	127496668
TJU_CMC.ID03701.hairpin	13576	6	-	128362916	128362988
TJU_CMC.ID03702.hairpin	13577	6	+	128892095	128892168

Table 1. Novel miRNA sequences

TJU_CMC.ID03703.hairpin	13578	6	-	129821160	129821233
TJU_CMC.ID03704.hairpin	13579	6	-	130483248	130483319
TJU_CMC.ID03705.hairpin	13580	6	+	130495496	130495567
TJU_CMC.ID03706.hairpin	13581	6	+	130685428	130685500
TJU_CMC.ID03707.hairpin	13582	6	+	130698211	130698283
TJU_CMC.ID03708.hairpin	13583	6	-	130776758	130776830
TJU_CMC.ID03709.hairpin	13584	6	-	130911855	130911926
TJU_CMC.ID03710.hairpin	13585	6	+	131190471	131190542
TJU_CMC.ID03711.hairpin	13586	6	+	131375693	131375763
TJU_CMC.ID03712.hairpin	13587	6	-	131610710	131610779
TJU_CMC.ID03713.hairpin	13588	6	+	132859646	132859716
TJU_CMC.ID03714.hairpin	13589	6	+	133316276	133316347
TJU_CMC.ID03715.hairpin	13590	6	+	133359148	133359217
TJU_CMC.ID03716.hairpin	13591	6	+	133589958	133590027
TJU_CMC.ID03717.hairpin	13592	6	-	133946338	133946409
TJU_CMC.ID03718.hairpin	13593	6	+	134140553	134140624
TJU_CMC.ID03719.hairpin	13594	6	+	134454779	134454852
TJU_CMC.ID03720.hairpin	13595	6	+	134496184	134496253
TJU_CMC.ID03721.hairpin	13596	6	+	134944418	134944489
TJU_CMC.ID03722.hairpin	13597	6	+	135278116	135278189
TJU_CMC.ID03723.hairpin	13598	6	-	135844293	135844362
TJU_CMC.ID03724.hairpin	13599	6	+	136002525	136002596
TJU_CMC.ID03725.hairpin	13600	6	+	136153097	136153167
TJU_CMC.ID03726.hairpin	13601	6	+	136171998	136172071
TJU_CMC.ID03727.hairpin	13602	6	+	136490233	136490302
TJU_CMC.ID03728.hairpin	13603	6	+	136780375	136780446
TJU_CMC.ID03729.hairpin	13604	6	+	136795246	136795319
TJU_CMC.ID03730.hairpin	13605	6	-	137026935	137027008
TJU_CMC.ID03731.hairpin	13606	6	-	137143947	137144020
TJU_CMC.ID03732.hairpin	13607	6	-	137454289	137454358
TJU_CMC.ID03733.hairpin	13608	6	+	137477022	137477094

Table 1. Novel miRNA sequences

TJU_CMC.ID03734.hairpin	13609	6	+	137760254	137760324
TJU_CMC.ID03735.hairpin	13610	6	-	137791978	137792049
TJU_CMC.ID03736.hairpin	13611	6	+	138684197	138684267
TJU_CMC.ID03737.hairpin	13612	6	-	138931047	138931116
TJU_CMC.ID03738.hairpin	13613	6	-	139014044	139014113
TJU_CMC.ID03739.hairpin	13614	6	-	139451041	139451110
TJU_CMC.ID03740.hairpin	13615	6	-	140197092	140197164
TJU_CMC.ID03741.hairpin	13616	6	+	140846717	140846790
TJU_CMC.ID03742.hairpin	13617	6	-	141048282	141048355
TJU_CMC.ID03743.hairpin	13618	6	+	141576623	141576694
TJU_CMC.ID03744.hairpin	13619	6	-	141767657	141767728
TJU_CMC.ID03745.hairpin	13620	6	+	143119805	143119876
TJU_CMC.ID03746.hairpin	13621	6	+	143187207	143187278
TJU_CMC.ID03747.hairpin	13622	6	+	143804682	143804755
TJU_CMC.ID03748.hairpin	13623	6	+	144042882	144042955
TJU_CMC.ID03749.hairpin	13624	6	+	144123336	144123409
TJU_CMC.ID03750.hairpin	13625	6	+	144127100	144127170
TJU_CMC.ID03751.hairpin	13626	6	+	144329347	144329419
TJU_CMC.ID03752.hairpin	13627	6	+	144624015	144624086
TJU_CMC.ID03753.hairpin	13628	6	-	144772643	144772715
TJU_CMC.ID03754.hairpin	13629	6	+	144799926	144799999
TJU_CMC.ID03755.hairpin	13630	6	-	145351918	145351990
TJU_CMC.ID03756.hairpin	13631	6	+	145666089	145666160
TJU_CMC.ID03757.hairpin	13632	6	+	145805487	145805558
TJU_CMC.ID03758.hairpin	13633	6	-	146141883	146141952
TJU_CMC.ID03759.hairpin	13634	6	-	147319130	147319203
TJU_CMC.ID03760.hairpin	13635	6	-	147322614	147322683
TJU_CMC.ID03761.hairpin	13636	6	+	147851941	147852013
TJU_CMC.ID03762.hairpin	13637	6	+	147919004	147919073
TJU_CMC.ID03763.hairpin	13638	6	+	148069526	148069596
TJU_CMC.ID03764.hairpin	13639	6	+	148520732	148520805

Table 1. Novel miRNA sequences

TJU_CMC.ID03765.hairpin	13640	6	-	148535986	148536057
TJU_CMC.ID03766.hairpin	13641	6	+	148714878	148714947
TJU_CMC.ID03767.hairpin	13642	6	+	148800729	148800800
TJU_CMC.ID03768.hairpin	13643	6	+	149041673	149041743
TJU_CMC.ID03769.hairpin	13644	6	+	149357041	149357113
TJU_CMC.ID03770.hairpin	13645	6	+	150623946	150624018
TJU_CMC.ID03771.hairpin	13646	6	-	150911119	150911192
TJU_CMC.ID03772.hairpin	13647	6	+	151130912	151130983
TJU_CMC.ID03773.hairpin	13648	6	+	151180313	151180386
TJU_CMC.ID03774.hairpin	13649	6	+	151437003	151437073
TJU_CMC.ID03775.hairpin	13650	6	-	151478776	151478846
TJU_CMC.ID03776.hairpin	13651	6	+	151549626	151549699
TJU_CMC.ID03777.hairpin	13652	6	-	151620201	151620272
TJU_CMC.ID03778.hairpin	13653	6	-	151997716	151997789
TJU_CMC.ID03779.hairpin	13654	6	+	152220060	152220131
TJU_CMC.ID03780.hairpin	13655	6	-	152581917	152581988
TJU_CMC.ID03781.hairpin	13656	6	-	152661520	152661589
TJU_CMC.ID03782.hairpin	13657	6	-	152964350	152964421
TJU_CMC.ID03783.hairpin	13658	6	-	153877441	153877514
TJU_CMC.ID03784.hairpin	13659	6	-	154355033	154355105
TJU_CMC.ID03785.hairpin	13660	6	-	154558884	154558955
TJU_CMC.ID03786.hairpin	13661	6	+	154685984	154686056
TJU_CMC.ID03787.hairpin	13662	6	-	155075558	155075631
TJU_CMC.ID03788.hairpin	13663	6	-	155102539	155102611
TJU_CMC.ID03789.hairpin	13664	6	-	155756085	155756158
TJU_CMC.ID03790.hairpin	13665	6	+	155807199	155807270
TJU_CMC.ID03791.hairpin	13666	6	+	156390311	156390380
TJU_CMC.ID03792.hairpin	13667	6	-	156668358	156668430
TJU_CMC.ID03793.hairpin	13668	6	-	156700287	156700356
TJU_CMC.ID03794.hairpin	13669	6	+	156744348	156744418
TJU_CMC.ID03795.hairpin	13670	6	-	156887512	156887581

Table 1. Novel miRNA sequences

TJU_CMC.ID03796.hairpin	13671	6	+	157101973	157102046
TJU_CMC.ID03797.hairpin	13672	6	-	158344889	158344960
TJU_CMC.ID03798.hairpin	13673	6	+	158553730	158553800
TJU_CMC.ID03799.hairpin	13674	6	-	159193432	159193502
TJU_CMC.ID03800.hairpin	13675	6	-	159257848	159257917
TJU_CMC.ID03801.hairpin	13676	6	-	159634082	159634153
TJU_CMC.ID03802.hairpin	13677	6	-	159718396	159718468
TJU_CMC.ID03803.hairpin	13678	6	+	159863632	159863703
TJU_CMC.ID03804.hairpin	13679	6	-	159931422	159931493
TJU_CMC.ID03805.hairpin	13680	6	-	160201277	160201348
TJU_CMC.ID03806.hairpin	13681	6	+	160295838	160295909
TJU_CMC.ID03807.hairpin	13682	6	+	160341979	160342050
TJU_CMC.ID03808.hairpin	13683	6	-	160465028	160465097
TJU_CMC.ID03809.hairpin	13684	6	+	160529002	160529073
TJU_CMC.ID03810.hairpin	13685	6	+	160544452	160544523
TJU_CMC.ID03811.hairpin	13686	6	+	160595540	160595612
TJU_CMC.ID03812.hairpin	13687	6	-	160902870	160902939
TJU_CMC.ID03813.hairpin	13688	6	+	160961245	160961317
TJU_CMC.ID03814.hairpin	13689	6	+	161138171	161138243
TJU_CMC.ID03815.hairpin	13690	6	+	161459749	161459818
TJU_CMC.ID03816.hairpin	13691	6	-	161490906	161490976
TJU_CMC.ID03817.hairpin	13692	6	+	161949515	161949587
TJU_CMC.ID03818.hairpin	13693	6	-	162183777	162183847
TJU_CMC.ID03819.hairpin	13694	6	+	162255307	162255376
TJU_CMC.ID03820.hairpin	13695	6	-	162489580	162489652
TJU_CMC.ID03821.hairpin	13696	6	+	162721089	162721160
TJU_CMC.ID03822.hairpin	13697	6	-	162929688	162929760
TJU_CMC.ID03823.hairpin	13698	6	-	163421427	163421499
TJU_CMC.ID03824.hairpin	13699	6	+	163738984	163739056
TJU_CMC.ID03825.hairpin	13700	6	-	163757295	163757367
TJU_CMC.ID03826.hairpin	13701	6	-	164139542	164139612

Table 1. Novel miRNA sequences

TJU_CMC.ID03827.hairpin	13702	6	-	164181578	164181650
TJU_CMC.ID03828.hairpin	13703	6	-	164256362	164256433
TJU_CMC.ID03829.hairpin	13704	6	+	164367287	164367356
TJU_CMC.ID03830.hairpin	13705	6	+	164406139	164406210
TJU_CMC.ID03831.hairpin	13706	6	+	164645415	164645485
TJU_CMC.ID03832.hairpin	13707	6	-	165134725	165134797
TJU_CMC.ID03833.hairpin	13708	6	+	165308445	165308514
TJU_CMC.ID03834.hairpin	13709	6	+	166159718	166159790
TJU_CMC.ID03835.hairpin	13710	6	-	166253809	166253878
TJU_CMC.ID03836.hairpin	13711	6	+	166314505	166314576
TJU_CMC.ID03837.hairpin	13712	6	-	166458308	166458379
TJU_CMC.ID03838.hairpin	13713	6	+	166781321	166781394
TJU_CMC.ID03839.hairpin	13714	6	-	167833585	167833654
TJU_CMC.ID03840.hairpin	13715	6	-	168111425	168111495
TJU_CMC.ID03841.hairpin	13716	6	-	168771920	168771993
TJU_CMC.ID03842.hairpin	13717	6	+	169019766	169019839
TJU_CMC.ID03843.hairpin	13718	6	+	169063594	169063663
TJU_CMC.ID03844.hairpin	13719	6	+	169427227	169427296
TJU_CMC.ID03845.hairpin	13720	6	+	169588045	169588118
TJU_CMC.ID03846.hairpin	13721	6	+	169721840	169721911
TJU_CMC.ID03847.hairpin	13722	6	-	169828740	169828811
TJU_CMC.ID03848.hairpin	13723	6	+	169842715	169842786
TJU_CMC.ID03849.hairpin	13724	6	+	170123962	170124035
TJU_CMC.ID03850.hairpin	13725	6	+	170430617	170430689
TJU_CMC.ID03851.hairpin	13726	6	+	170465549	170465621
TJU_CMC.ID03852.hairpin	13727	6	-	170725875	170725947
TJU_CMC.ID03853.hairpin	13728	7	-	436177	436248
TJU_CMC.ID03854.hairpin	13729	7	+	521052	521123
TJU_CMC.ID03855.hairpin	13730	7	+	596692	596764
TJU_CMC.ID03856.hairpin	13731	7	-	726154	726225
TJU_CMC.ID03857.hairpin	13732	7	-	752037	752109

Table 1. Novel miRNA sequences

TJU_CMC.ID03858.hairpin	13733	7	+	771143	771216	
TJU_CMC.ID03859.hairpin	13734	7	-	824729	824799	
TJU_CMC.ID03860.hairpin	13735	7	-	1364839	1364912	
TJU_CMC.ID03861.hairpin	13736	7	-	1532578	1532647	
TJU_CMC.ID03862.hairpin	13737	7	-	1635072	1635143	
TJU_CMC.ID03863.hairpin	13738	7	+	1702796	1702868	
TJU_CMC.ID03864.hairpin	13739	7	-	1747778	1747850	
TJU_CMC.ID03865.hairpin	13740	7	-	1756674	1756745	
TJU_CMC.ID03866.hairpin	13741	7	+	1855333	1855404	
TJU_CMC.ID03867.hairpin	13742	7	+	1907954	1908027	
TJU_CMC.ID03868.hairpin	13743	7	-	1987340	1987411	
TJU_CMC.ID03869.hairpin	13744	7	-	2257169	2257240	
TJU_CMC.ID03870.hairpin	13745	7	-	2505665	2505738	
TJU_CMC.ID03871.hairpin	13746	7	+	2520653	2520725	
TJU_CMC.ID03872.hairpin	13747	7	+	3473274	3473346	
TJU_CMC.ID03873.hairpin	13748	7	-	3549806	3549879	
TJU_CMC.ID03874.hairpin	13749	7	+	3608996	3609068	
TJU_CMC.ID03875.hairpin	13750	7	-	4672166	4672237	
TJU_CMC.ID03876.hairpin	13751	7	-	4773828	4773898	
TJU_CMC.ID03877.hairpin	13752	7	-	4798840	4798911	
TJU_CMC.ID03878.hairpin	13753	7	+	5181933	5182006	
TJU_CMC.ID03879.hairpin	13754	7	-	5255168	5255239	
TJU_CMC.ID03880.hairpin	13755	7	-	5279665	5279738	
TJU_CMC.ID03881.hairpin	13756	7	+	5401738	5401811	
TJU_CMC.ID03882.hairpin	13757	7	-	5490239	5490311	
TJU_CMC.ID03883.hairpin	13758	7	+	6003185	6003257	
TJU_CMC.ID03884.hairpin	13759	7	-	6662868	6662941	
TJU_CMC.ID03885.hairpin	13760	7	+	7101377	7101450	
TJU_CMC.ID03886.hairpin	13761	7	-	7397318	7397388	
TJU_CMC.ID03887.hairpin	13762	7	-	7521091	7521161	
TJU_CMC.ID03888.hairpin	13763	7	+	7574159	7574232	

Table 1. Novel miRNA sequences

TJU_CMC.ID03889.hairpin	13764	7	-	7693473	7693545
TJU_CMC.ID03890.hairpin	13765	7	+	7715934	7716005
TJU_CMC.ID03891.hairpin	13766	7	-	7756262	7756332
TJU_CMC.ID03892.hairpin	13767	7	-	7769995	7770067
TJU_CMC.ID03893.hairpin	13768	7	-	7835726	7835796
TJU_CMC.ID03894.hairpin	13769	7	-	7837206	7837278
TJU_CMC.ID03895.hairpin	13770	7	+	8109736	8109809
TJU_CMC.ID03896.hairpin	13771	7	-	8186818	8186890
TJU_CMC.ID03897.hairpin	13772	7	+	8473127	8473197
TJU_CMC.ID03898.hairpin	13773	7	+	8926764	8926836
TJU_CMC.ID03899.hairpin	13774	7	-	8985087	8985158
TJU_CMC.ID03900.hairpin	13775	7	+	9734490	9734562
TJU_CMC.ID03901.hairpin	13776	7	+	10131451	10131522
TJU_CMC.ID03902.hairpin	13777	7	+	12449570	12449643
TJU_CMC.ID03903.hairpin	13778	7	-	12774981	12775051
TJU_CMC.ID03904.hairpin	13779	7	+	13119475	13119547
TJU_CMC.ID03905.hairpin	13780	7	+	14374714	14374785
TJU_CMC.ID03906.hairpin	13781	7	+	15447747	15447820
TJU_CMC.ID03907.hairpin	13782	7	+	16202248	16202320
TJU_CMC.ID03908.hairpin	13783	7	-	16438517	16438590
TJU_CMC.ID03909.hairpin	13784	7	+	16697330	16697403
TJU_CMC.ID03910.hairpin	13785	7	-	17351758	17351829
TJU_CMC.ID03911.hairpin	13786	7	-	17869515	17869584
TJU_CMC.ID03912.hairpin	13787	7	+	18231947	18232020
TJU_CMC.ID03913.hairpin	13788	7	+	18250421	18250492
TJU_CMC.ID03914.hairpin	13789	7	-	18481275	18481348
TJU_CMC.ID03915.hairpin	13790	7	-	19589599	19589671
TJU_CMC.ID03916.hairpin	13791	7	+	19600448	19600521
TJU_CMC.ID03917.hairpin	13792	7	+	19784615	19784686
TJU_CMC.ID03918.hairpin	13793	7	+	19791770	19791841
TJU_CMC.ID03919.hairpin	13794	7	-	20077862	20077933

Table 1. Novel miRNA sequences

TJU_CMC.ID03920.hairpin	13795	7	+	20867309	20867381
TJU_CMC.ID03921.hairpin	13796	7	+	20919499	20919568
TJU_CMC.ID03922.hairpin	13797	7	+	21110346	21110417
TJU_CMC.ID03923.hairpin	13798	7	-	21763582	21763653
TJU_CMC.ID03924.hairpin	13799	7	-	21880109	21880178
TJU_CMC.ID03925.hairpin	13800	7	+	22266470	22266540
TJU_CMC.ID03926.hairpin	13801	7	-	23024922	23024993
TJU_CMC.ID03927.hairpin	13802	7	-	23931142	23931215
TJU_CMC.ID03928.hairpin	13803	7	-	24571183	24571255
TJU_CMC.ID03929.hairpin	13804	7	+	24817609	24817678
TJU_CMC.ID03930.hairpin	13805	7	-	24936439	24936512
TJU_CMC.ID03931.hairpin	13806	7	+	24972610	24972681
TJU_CMC.ID03932.hairpin	13807	7	+	25008859	25008930
TJU_CMC.ID03933.hairpin	13808	7	+	25093521	25093594
TJU_CMC.ID03934.hairpin	13809	7	+	25116774	25116845
TJU_CMC.ID03935.hairpin	13810	7	-	25279968	25280041
TJU_CMC.ID03936.hairpin	13811	7	-	25306280	25306353
TJU_CMC.ID03937.hairpin	13812	7	+	25476820	25476892
TJU_CMC.ID03938.hairpin	13813	7	-	25497531	25497602
TJU_CMC.ID03939.hairpin	13814	7	+	25936152	25936222
TJU_CMC.ID03940.hairpin	13815	7	-	26524896	26524967
TJU_CMC.ID03941.hairpin	13816	7	-	26738231	26738301
TJU_CMC.ID03942.hairpin	13817	7	-	26985488	26985561
TJU_CMC.ID03943.hairpin	13818	7	+	27138477	27138550
TJU_CMC.ID03944.hairpin	13819	7	-	27152988	27153061
TJU_CMC.ID03945.hairpin	13820	7	-	27285371	27285441
TJU_CMC.ID03946.hairpin	13821	7	+	27292155	27292226
TJU_CMC.ID03947.hairpin	13822	7	+	27591753	27591826
TJU_CMC.ID03948.hairpin	13823	7	+	27635952	27636024
TJU_CMC.ID03949.hairpin	13824	7	-	28017848	28017917
TJU_CMC.ID03950.hairpin	13825	7	-	28432228	28432300

Table 1. Novel miRNA sequences

TJU_CMC.ID03951.hairpin	13826	7	-	28721128	28721199
TJU_CMC.ID03952.hairpin	13827	7	+	28855925	28855997
TJU_CMC.ID03953.hairpin	13828	7	-	28996879	28996948
TJU_CMC.ID03954.hairpin	13829	7	+	29346723	29346793
TJU_CMC.ID03955.hairpin	13830	7	+	29846175	29846245
TJU_CMC.ID03956.hairpin	13831	7	+	30615274	30615346
TJU_CMC.ID03957.hairpin	13832	7	-	30961826	30961897
TJU_CMC.ID03958.hairpin	13833	7	+	31124540	31124613
TJU_CMC.ID03959.hairpin	13834	7	+	31156065	31156134
TJU_CMC.ID03960.hairpin	13835	7	+	31522434	31522506
TJU_CMC.ID03961.hairpin	13836	7	+	31629681	31629753
TJU_CMC.ID03962.hairpin	13837	7	-	31760575	31760646
TJU_CMC.ID03963.hairpin	13838	7	-	32899826	32899898
TJU_CMC.ID03964.hairpin	13839	7	+	33090492	33090563
TJU_CMC.ID03965.hairpin	13840	7	+	33194449	33194520
TJU_CMC.ID03966.hairpin	13841	7	+	33236499	33236571
TJU_CMC.ID03967.hairpin	13842	7	+	33379452	33379525
TJU_CMC.ID03968.hairpin	13843	7	-	33480354	33480425
TJU_CMC.ID03969.hairpin	13844	7	+	33600954	33601026
TJU_CMC.ID03970.hairpin	13845	7	-	33705439	33705508
TJU_CMC.ID03971.hairpin	13846	7	+	33775610	33775681
TJU_CMC.ID03972.hairpin	13847	7	+	34293096	34293169
TJU_CMC.ID03973.hairpin	13848	7	-	34396892	34396963
TJU_CMC.ID03974.hairpin	13849	7	+	35853603	35853676
TJU_CMC.ID03975.hairpin	13850	7	+	36138588	36138659
TJU_CMC.ID03976.hairpin	13851	7	+	36247581	36247651
TJU_CMC.ID03977.hairpin	13852	7	+	36955553	36955623
TJU_CMC.ID03978.hairpin	13853	7	-	37737847	37737917
TJU_CMC.ID03979.hairpin	13854	7	+	37753829	37753902
TJU_CMC.ID03980.hairpin	13855	7	+	37835989	37836058
TJU_CMC.ID03981.hairpin	13856	7	-	38004982	38005054

Table 1. Novel miRNA sequences

TJU_CMC.ID03982.hairpin	13857	7	-	38023369	38023438	
TJU_CMC.ID03983.hairpin	13858	7	+	38285314	38285386	
TJU_CMC.ID03984.hairpin	13859	7	+	38741888	38741958	
TJU_CMC.ID03985.hairpin	13860	7	-	38956293	38956364	
TJU_CMC.ID03986.hairpin	13861	7	+	39089867	39089940	
TJU_CMC.ID03987.hairpin	13862	7	-	39198146	39198217	
TJU_CMC.ID03988.hairpin	13863	7	+	39363157	39363230	
TJU_CMC.ID03989.hairpin	13864	7	+	39440150	39440221	
TJU_CMC.ID03990.hairpin	13865	7	-	39581676	39581746	
TJU_CMC.ID03991.hairpin	13866	7	+	39663428	39663501	
TJU_CMC.ID03992.hairpin	13867	7	-	39766194	39766266	
TJU_CMC.ID03993.hairpin	13868	7	-	39947596	39947666	
TJU_CMC.ID03994.hairpin	13869	7	-	40368513	40368584	
TJU_CMC.ID03995.hairpin	13870	7	-	40631734	40631803	
TJU_CMC.ID03996.hairpin	13871	7	+	40954205	40954276	
TJU_CMC.ID03997.hairpin	13872	7	-	41179266	41179338	
TJU_CMC.ID03998.hairpin	13873	7	+	41330602	41330674	
TJU_CMC.ID03999.hairpin	13874	7	+	41475967	41476038	
TJU_CMC.ID04000.hairpin	13875	7	-	41729407	41729478	
TJU_CMC.ID04001.hairpin	13876	7	-	41744249	41744322	
TJU_CMC.ID04002.hairpin	13877	7	+	41791425	41791494	
TJU_CMC.ID04003.hairpin	13878	7	+	42084753	42084824	
TJU_CMC.ID04004.hairpin	13879	7	-	42715925	42715996	
TJU_CMC.ID04005.hairpin	13880	7	-	42768302	42768374	
TJU_CMC.ID04006.hairpin	13881	7	+	43125719	43125792	
TJU_CMC.ID04007.hairpin	13882	7	-	43152609	43152682	
TJU_CMC.ID04008.hairpin	13883	7	+	43484452	43484524	
TJU_CMC.ID04009.hairpin	13884	7	-	44157068	44157138	
TJU_CMC.ID04010.hairpin	13885	7	-	44220777	44220848	
TJU_CMC.ID04011.hairpin	13886	7	-	44440772	44440845	
TJU_CMC.ID04012.hairpin	13887	7	-	44654064	44654135	

Table 1. Novel miRNA sequences

TJU_CMC.ID04013.hairpin	13888	7	+	44836249	44836320
TJU_CMC.ID04014.hairpin	13889	7	-	45013888	45013960
TJU_CMC.ID04015.hairpin	13890	7	+	45369800	45369869
TJU_CMC.ID04016.hairpin	13891	7	+	45484613	45484684
TJU_CMC.ID04017.hairpin	13892	7	+	45619785	45619857
TJU_CMC.ID04018.hairpin	13893	7	+	46012582	46012654
TJU_CMC.ID04019.hairpin	13894	7	+	46020564	46020635
TJU_CMC.ID04020.hairpin	13895	7	-	46094256	46094329
TJU_CMC.ID04021.hairpin	13896	7	-	46383761	46383833
TJU_CMC.ID04022.hairpin	13897	7	+	46398853	46398924
TJU_CMC.ID04023.hairpin	13898	7	+	46528482	46528553
TJU_CMC.ID04024.hairpin	13899	7	+	46693678	46693748
TJU_CMC.ID04025.hairpin	13900	7	-	46998670	46998743
TJU_CMC.ID04026.hairpin	13901	7	-	47543339	47543408
TJU_CMC.ID04027.hairpin	13902	7	+	47847427	47847500
TJU_CMC.ID04028.hairpin	13903	7	+	47952144	47952215
TJU_CMC.ID04029.hairpin	13904	7	-	48073773	48073844
TJU_CMC.ID04030.hairpin	13905	7	+	48311973	48312042
TJU_CMC.ID04031.hairpin	13906	7	+	48346725	48346796
TJU_CMC.ID04032.hairpin	13907	7	+	48814986	48815058
TJU_CMC.ID04033.hairpin	13908	7	-	50517545	50517614
TJU_CMC.ID04034.hairpin	13909	7	+	50633912	50633983
TJU_CMC.ID04035.hairpin	13910	7	+	50709710	50709782
TJU_CMC.ID04036.hairpin	13911	7	+	50850317	50850386
TJU_CMC.ID04037.hairpin	13912	7	-	50885425	50885495
TJU_CMC.ID04038.hairpin	13913	7	+	51031990	51032060
TJU_CMC.ID04039.hairpin	13914	7	+	51199903	51199976
TJU_CMC.ID04040.hairpin	13915	7	-	51712422	51712493
TJU_CMC.ID04041.hairpin	13916	7	+	51998904	51998974
TJU_CMC.ID04042.hairpin	13917	7	-	52329123	52329192
TJU_CMC.ID04043.hairpin	13918	7	+	54179883	54179954

Table 1. Novel miRNA sequences

TJU_CMC.ID04044.hairpin	13919	7	+	54313259	54313329
TJU_CMC.ID04045.hairpin	13920	7	+	54403331	54403402
TJU_CMC.ID04046.hairpin	13921	7	+	54736620	54736691
TJU_CMC.ID04047.hairpin	13922	7	-	54795432	54795503
TJU_CMC.ID04048.hairpin	13923	7	+	55028484	55028553
TJU_CMC.ID04049.hairpin	13924	7	-	55162617	55162689
TJU_CMC.ID04050.hairpin	13925	7	-	55276180	55276249
TJU_CMC.ID04051.hairpin	13926	7	-	55410793	55410865
TJU_CMC.ID04052.hairpin	13927	7	+	55516465	55516537
TJU_CMC.ID04053.hairpin	13928	7	-	55637494	55637567
TJU_CMC.ID04054.hairpin	13929	7	-	56543507	56543576
TJU_CMC.ID04055.hairpin	13930	7	+	57166190	57166261
TJU_CMC.ID04056.hairpin	13931	7	-	57611749	57611820
TJU_CMC.ID04057.hairpin	13932	7	-	58042091	58042164
TJU_CMC.ID04058.hairpin	13933	7	-	61820621	61820691
TJU_CMC.ID04059.hairpin	13934	7	+	62073655	62073726
TJU_CMC.ID04060.hairpin	13935	7	+	63418651	63418724
TJU_CMC.ID04061.hairpin	13936	7	+	63610023	63610094
TJU_CMC.ID04062.hairpin	13937	7	-	64914774	64914843
TJU_CMC.ID04063.hairpin	13938	7	+	65776578	65776650
TJU_CMC.ID04064.hairpin	13939	7	+	66202825	66202895
TJU_CMC.ID04065.hairpin	13940	7	+	66223060	66223132
TJU_CMC.ID04066.hairpin	13941	7	+	66266264	66266335
TJU_CMC.ID04067.hairpin	13942	7	-	66970901	66970974
TJU_CMC.ID04068.hairpin	13943	7	+	66996266	66996339
TJU_CMC.ID04069.hairpin	13944	7	-	67083643	67083714
TJU_CMC.ID04070.hairpin	13945	7	-	67445100	67445169
TJU_CMC.ID04071.hairpin	13946	7	-	67552027	67552097
TJU_CMC.ID04072.hairpin	13947	7	-	67755026	67755098
TJU_CMC.ID04073.hairpin	13948	7	-	67803534	67803606
TJU_CMC.ID04074.hairpin	13949	7	-	68005443	68005513

Table 1. Novel miRNA sequences

TJU_CMC.ID04075.hairpin	13950	7	-	68629024	68629097
TJU_CMC.ID04076.hairpin	13951	7	-	68851055	68851128
TJU_CMC.ID04077.hairpin	13952	7	+	69416213	69416285
TJU_CMC.ID04078.hairpin	13953	7	-	70061010	70061083
TJU_CMC.ID04079.hairpin	13954	7	-	70186871	70186944
TJU_CMC.ID04080.hairpin	13955	7	-	70345355	70345427
TJU_CMC.ID04081.hairpin	13956	7	-	70375092	70375161
TJU_CMC.ID04082.hairpin	13957	7	-	70597218	70597291
TJU_CMC.ID04083.hairpin	13958	7	+	70700268	70700340
TJU_CMC.ID04084.hairpin	13959	7	+	70776660	70776732
TJU_CMC.ID04085.hairpin	13960	7	+	70822027	70822097
TJU_CMC.ID04086.hairpin	13961	7	+	71097456	71097528
TJU_CMC.ID04087.hairpin	13962	7	+	71710273	71710343
TJU_CMC.ID04088.hairpin	13963	7	-	71974344	71974415
TJU_CMC.ID04089.hairpin	13964	7	+	72814591	72814661
TJU_CMC.ID04090.hairpin	13965	7	+	73213582	73213651
TJU_CMC.ID04091.hairpin	13966	7	+	73291428	73291500
TJU_CMC.ID04092.hairpin	13967	7	+	73296054	73296125
TJU_CMC.ID04093.hairpin	13968	7	-	73508613	73508685
TJU_CMC.ID04094.hairpin	13969	7	+	73645761	73645832
TJU_CMC.ID04095.hairpin	13970	7	-	74066045	74066116
TJU_CMC.ID04096.hairpin	13971	7	+	75068386	75068458
TJU_CMC.ID04097.hairpin	13972	7	-	75675288	75675359
TJU_CMC.ID04098.hairpin	13973	7	-	75829362	75829432
TJU_CMC.ID04099.hairpin	13974	7	+	75933156	75933229
TJU_CMC.ID04100.hairpin	13975	7	+	75947508	75947581
TJU_CMC.ID04101.hairpin	13976	7	-	76829856	76829926
TJU_CMC.ID04102.hairpin	13977	7	-	76899515	76899585
TJU_CMC.ID04103.hairpin	13978	7	-	76962674	76962745
TJU_CMC.ID04104.hairpin	13979	7	-	77740911	77740983
TJU_CMC.ID04105.hairpin	13980	7	-	78024109	78024180

Table 1. Novel miRNA sequences

TJU_CMC.ID04106.hairpin	13981	7	-	79393660	79393731
TJU_CMC.ID04107.hairpin	13982	7	+	80281700	80281772
TJU_CMC.ID04108.hairpin	13983	7	-	81288397	81288469
TJU_CMC.ID04109.hairpin	13984	7	-	82254232	82254305
TJU_CMC.ID04110.hairpin	13985	7	-	82377859	82377930
TJU_CMC.ID04111.hairpin	13986	7	-	83005005	83005075
TJU_CMC.ID04112.hairpin	13987	7	-	83330122	83330194
TJU_CMC.ID04113.hairpin	13988	7	-	84200617	84200687
TJU_CMC.ID04114.hairpin	13989	7	+	84266242	84266314
TJU_CMC.ID04115.hairpin	13990	7	+	84521187	84521259
TJU_CMC.ID04116.hairpin	13991	7	-	85157594	85157665
TJU_CMC.ID04117.hairpin	13992	7	-	86306362	86306433
TJU_CMC.ID04118.hairpin	13993	7	-	86366529	86366602
TJU_CMC.ID04119.hairpin	13994	7	+	86533410	86533481
TJU_CMC.ID04120.hairpin	13995	7	-	86578662	86578735
TJU_CMC.ID04121.hairpin	13996	7	+	86742296	86742369
TJU_CMC.ID04122.hairpin	13997	7	+	87831664	87831734
TJU_CMC.ID04123.hairpin	13998	7	-	88055915	88055986
TJU_CMC.ID04124.hairpin	13999	7	+	88146325	88146395
TJU_CMC.ID04125.hairpin	14000	7	+	88295042	88295113
TJU_CMC.ID04126.hairpin	14001	7	+	88452912	88452983
TJU_CMC.ID04127.hairpin	14002	7	-	88591178	88591247
TJU_CMC.ID04128.hairpin	14003	7	-	90512107	90512179
TJU_CMC.ID04129.hairpin	14004	7	+	91008810	91008882
TJU_CMC.ID04130.hairpin	14005	7	+	91452931	91453003
TJU_CMC.ID04131.hairpin	14006	7	+	91675463	91675536
TJU_CMC.ID04132.hairpin	14007	7	+	92390052	92390123
TJU_CMC.ID04133.hairpin	14008	7	-	92462828	92462898
TJU_CMC.ID04134.hairpin	14009	7	-	92675686	92675759
TJU_CMC.ID04135.hairpin	14010	7	-	92757107	92757178
TJU_CMC.ID04136.hairpin	14011	7	-	93404441	93404512

Table 1. Novel miRNA sequences

TJU_CMC.ID04137.hairpin	14012	7	-	93468835	93468908
TJU_CMC.ID04138.hairpin	14013	7	+	93629910	93629981
TJU_CMC.ID04139.hairpin	14014	7	-	93866330	93866403
TJU_CMC.ID04140.hairpin	14015	7	+	93947926	93947997
TJU_CMC.ID04141.hairpin	14016	7	-	94302284	94302355
TJU_CMC.ID04142.hairpin	14017	7	+	94819811	94819883
TJU_CMC.ID04143.hairpin	14018	7	-	95328444	95328514
TJU_CMC.ID04144.hairpin	14019	7	-	95360955	95361025
TJU_CMC.ID04145.hairpin	14020	7	-	95760704	95760773
TJU_CMC.ID04146.hairpin	14021	7	-	96416398	96416467
TJU_CMC.ID04147.hairpin	14022	7	+	96490162	96490235
TJU_CMC.ID04148.hairpin	14023	7	-	97104557	97104628
TJU_CMC.ID04149.hairpin	14024	7	+	97841666	97841735
TJU_CMC.ID04150.hairpin	14025	7	+	97842134	97842204
TJU_CMC.ID04151.hairpin	14026	7	+	97953478	97953548
TJU_CMC.ID04152.hairpin	14027	7	-	98536300	98536369
TJU_CMC.ID04153.hairpin	14028	7	-	98581727	98581796
TJU_CMC.ID04154.hairpin	14029	7	-	98593932	98594004
TJU_CMC.ID04155.hairpin	14030	7	-	98758949	98759021
TJU_CMC.ID04156.hairpin	14031	7	-	99781026	99781095
TJU_CMC.ID04157.hairpin	14032	7	+	99997180	99997249
TJU_CMC.ID04158.hairpin	14033	7	+	100066137	100066208
TJU_CMC.ID04159.hairpin	14034	7	+	100128506	100128577
TJU_CMC.ID04160.hairpin	14035	7	-	100451803	100451874
TJU_CMC.ID04161.hairpin	14036	7	+	100489321	100489392
TJU_CMC.ID04162.hairpin	14037	7	-	100944021	100944093
TJU_CMC.ID04163.hairpin	14038	7	-	101044441	101044512
TJU_CMC.ID04164.hairpin	14039	7	+	101224637	101224708
TJU_CMC.ID04165.hairpin	14040	7	+	101784531	101784600
TJU_CMC.ID04166.hairpin	14041	7	+	101826054	101826127
TJU_CMC.ID04167.hairpin	14042	7	-	102475018	102475089

Table 1. Novel miRNA sequences

TJU_CMC.ID04168.hairpin	14043	7	-	102646102	102646171
TJU_CMC.ID04169.hairpin	14044	7	-	103343680	103343752
TJU_CMC.ID04170.hairpin	14045	7	+	103438924	103438993
TJU_CMC.ID04171.hairpin	14046	7	+	103459555	103459625
TJU_CMC.ID04172.hairpin	14047	7	-	103798019	103798091
TJU_CMC.ID04173.hairpin	14048	7	+	103832702	103832772
TJU_CMC.ID04174.hairpin	14049	7	+	104324021	104324091
TJU_CMC.ID04175.hairpin	14050	7	-	104909943	104910014
TJU_CMC.ID04176.hairpin	14051	7	-	105313906	105313977
TJU_CMC.ID04177.hairpin	14052	7	+	106027618	106027691
TJU_CMC.ID04178.hairpin	14053	7	-	106061252	106061325
TJU_CMC.ID04179.hairpin	14054	7	+	106243165	106243237
TJU_CMC.ID04180.hairpin	14055	7	-	106866780	106866851
TJU_CMC.ID04181.hairpin	14056	7	+	107278807	107278878
TJU_CMC.ID04182.hairpin	14057	7	-	107324176	107324249
TJU_CMC.ID04183.hairpin	14058	7	+	107528276	107528345
TJU_CMC.ID04184.hairpin	14059	7	+	108096016	108096085
TJU_CMC.ID04185.hairpin	14060	7	-	108201642	108201711
TJU_CMC.ID04186.hairpin	14061	7	-	108856995	108857065
TJU_CMC.ID04187.hairpin	14062	7	+	109321109	109321179
TJU_CMC.ID04188.hairpin	14063	7	+	109419362	109419434
TJU_CMC.ID04189.hairpin	14064	7	+	109518930	109519001
TJU_CMC.ID04190.hairpin	14065	7	-	110344592	110344665
TJU_CMC.ID04191.hairpin	14066	7	+	110383888	110383958
TJU_CMC.ID04192.hairpin	14067	7	+	110430514	110430583
TJU_CMC.ID04193.hairpin	14068	7	-	110653963	110654034
TJU_CMC.ID04194.hairpin	14069	7	-	110918614	110918685
TJU_CMC.ID04195.hairpin	14070	7	-	110934364	110934435
TJU_CMC.ID04196.hairpin	14071	7	-	112590614	112590683
TJU_CMC.ID04197.hairpin	14072	7	+	113479508	113479580
TJU_CMC.ID04198.hairpin	14073	7	+	114723061	114723131

Table 1. Novel miRNA sequences

TJU_CMC.ID04199.hairpin	14074	7	+	115794215	115794286	
TJU_CMC.ID04200.hairpin	14075	7	-	116087176	116087245	
TJU_CMC.ID04201.hairpin	14076	7	-	116476471	116476544	
TJU_CMC.ID04202.hairpin	14077	7	-	116707589	116707658	
TJU_CMC.ID04203.hairpin	14078	7	-	116791253	116791326	
TJU_CMC.ID04204.hairpin	14079	7	+	117230247	117230318	
TJU_CMC.ID04205.hairpin	14080	7	+	118221719	118221790	
TJU_CMC.ID04206.hairpin	14081	7	+	118630303	118630373	
TJU_CMC.ID04207.hairpin	14082	7	+	118883343	118883414	
TJU_CMC.ID04208.hairpin	14083	7	-	119029649	119029718	
TJU_CMC.ID04209.hairpin	14084	7	+	119716368	119716439	
TJU_CMC.ID04210.hairpin	14085	7	-	119750640	119750711	
TJU_CMC.ID04211.hairpin	14086	7	-	120497997	120498066	
TJU_CMC.ID04212.hairpin	14087	7	-	120779191	120779262	
TJU_CMC.ID04213.hairpin	14088	7	-	121297635	121297706	
TJU_CMC.ID04214.hairpin	14089	7	+	121503427	121503498	
TJU_CMC.ID04215.hairpin	14090	7	+	121513752	121513824	
TJU_CMC.ID04216.hairpin	14091	7	+	121864331	121864404	
TJU_CMC.ID04217.hairpin	14092	7	-	121865896	121865969	
TJU_CMC.ID04218.hairpin	14093	7	-	123393511	123393584	
TJU_CMC.ID04219.hairpin	14094	7	+	123654386	123654457	
TJU_CMC.ID04220.hairpin	14095	7	-	123662950	123663021	
TJU_CMC.ID04221.hairpin	14096	7	+	124005879	124005950	
TJU_CMC.ID04222.hairpin	14097	7	+	124078071	124078142	
TJU_CMC.ID04223.hairpin	14098	7	-	125030702	125030774	
TJU_CMC.ID04224.hairpin	14099	7	-	126377273	126377343	
TJU_CMC.ID04225.hairpin	14100	7	-	126413393	126413462	
TJU_CMC.ID04226.hairpin	14101	7	-	126825786	126825857	
TJU_CMC.ID04227.hairpin	14102	7	-	127259739	127259811	
TJU_CMC.ID04228.hairpin	14103	7	+	127310743	127310814	
TJU_CMC.ID04229.hairpin	14104	7	+	127413721	127413790	

Table 1. Novel miRNA sequences

TJU_CMC.ID04230.hairpin	14105	7	+	129072053	129072124
TJU_CMC.ID04231.hairpin	14106	7	+	129550834	129550903
TJU_CMC.ID04232.hairpin	14107	7	+	130049385	130049457
TJU_CMC.ID04233.hairpin	14108	7	+	130713807	130713880
TJU_CMC.ID04234.hairpin	14109	7	+	131012548	131012621
TJU_CMC.ID04235.hairpin	14110	7	-	131338406	131338478
TJU_CMC.ID04236.hairpin	14111	7	-	131497907	131497979
TJU_CMC.ID04237.hairpin	14112	7	-	131635300	131635370
TJU_CMC.ID04238.hairpin	14113	7	-	131787308	131787378
TJU_CMC.ID04239.hairpin	14114	7	+	131832711	131832781
TJU_CMC.ID04240.hairpin	14115	7	+	132178573	132178642
TJU_CMC.ID04241.hairpin	14116	7	+	132194034	132194103
TJU_CMC.ID04242.hairpin	14117	7	-	132298265	132298335
TJU_CMC.ID04243.hairpin	14118	7	+	132756211	132756283
TJU_CMC.ID04244.hairpin	14119	7	-	132981513	132981582
TJU_CMC.ID04245.hairpin	14120	7	+	133332423	133332493
TJU_CMC.ID04246.hairpin	14121	7	+	133352038	133352109
TJU_CMC.ID04247.hairpin	14122	7	+	133394905	133394977
TJU_CMC.ID04248.hairpin	14123	7	-	133894093	133894164
TJU_CMC.ID04249.hairpin	14124	7	-	134305792	134305865
TJU_CMC.ID04250.hairpin	14125	7	-	134408192	134408263
TJU_CMC.ID04251.hairpin	14126	7	-	134633702	134633771
TJU_CMC.ID04252.hairpin	14127	7	+	135018872	135018941
TJU_CMC.ID04253.hairpin	14128	7	-	135126275	135126348
TJU_CMC.ID04254.hairpin	14129	7	+	135325332	135325404
TJU_CMC.ID04255.hairpin	14130	7	+	135500834	135500907
TJU_CMC.ID04256.hairpin	14131	7	-	135509425	135509496
TJU_CMC.ID04257.hairpin	14132	7	-	135517315	135517388
TJU_CMC.ID04258.hairpin	14133	7	+	135861284	135861355
TJU_CMC.ID04259.hairpin	14134	7	+	136327278	136327347
TJU_CMC.ID04260.hairpin	14135	7	-	136335027	136335100

Table 1. Novel miRNA sequences

TJU_CMC.ID04261.hairpin	14136	7	+	136589696	136589766
TJU_CMC.ID04262.hairpin	14137	7	+	137044229	137044298
TJU_CMC.ID04263.hairpin	14138	7	-	138487655	138487725
TJU_CMC.ID04264.hairpin	14139	7	-	138507057	138507129
TJU_CMC.ID04265.hairpin	14140	7	-	138803241	138803310
TJU_CMC.ID04266.hairpin	14141	7	+	138909133	138909206
TJU_CMC.ID04267.hairpin	14142	7	+	138985576	138985649
TJU_CMC.ID04268.hairpin	14143	7	-	139109928	139109997
TJU_CMC.ID04269.hairpin	14144	7	-	139211800	139211870
TJU_CMC.ID04270.hairpin	14145	7	-	139470098	139470170
TJU_CMC.ID04271.hairpin	14146	7	-	139750678	139750750
TJU_CMC.ID04272.hairpin	14147	7	+	139923442	139923514
TJU_CMC.ID04273.hairpin	14148	7	+	140814587	140814656
TJU_CMC.ID04274.hairpin	14149	7	-	140963854	140963925
TJU_CMC.ID04275.hairpin	14150	7	-	141346786	141346855
TJU_CMC.ID04276.hairpin	14151	7	+	141364137	141364210
TJU_CMC.ID04277.hairpin	14152	7	+	141674127	141674198
TJU_CMC.ID04278.hairpin	14153	7	-	142157352	142157423
TJU_CMC.ID04279.hairpin	14154	7	-	142176301	142176374
TJU_CMC.ID04280.hairpin	14155	7	-	142428745	142428816
TJU_CMC.ID04281.hairpin	14156	7	-	142699740	142699813
TJU_CMC.ID04282.hairpin	14157	7	+	143079629	143079701
TJU_CMC.ID04283.hairpin	14158	7	+	143087603	143087676
TJU_CMC.ID04284.hairpin	14159	7	-	143167084	143167155
TJU_CMC.ID04285.hairpin	14160	7	-	143663916	143663989
TJU_CMC.ID04286.hairpin	14161	7	+	144124265	144124338
TJU_CMC.ID04287.hairpin	14162	7	-	144434464	144434536
TJU_CMC.ID04288.hairpin	14163	7	-	144660195	144660265
TJU_CMC.ID04289.hairpin	14164	7	-	145377957	145378027
TJU_CMC.ID04290.hairpin	14165	7	-	145614141	145614213
TJU_CMC.ID04291.hairpin	14166	7	-	146447214	146447286

Table 1. Novel miRNA sequences

TJU_CMC.ID04292.hairpin	14167	7	+	146527463	146527532
TJU_CMC.ID04293.hairpin	14168	7	+	146998885	146998955
TJU_CMC.ID04294.hairpin	14169	7	+	147242694	147242766
TJU_CMC.ID04295.hairpin	14170	7	-	147698067	147698139
TJU_CMC.ID04296.hairpin	14171	7	-	147744562	147744634
TJU_CMC.ID04297.hairpin	14172	7	-	148595788	148595860
TJU_CMC.ID04298.hairpin	14173	7	+	148609111	148609182
TJU_CMC.ID04299.hairpin	14174	7	+	148680831	148680904
TJU_CMC.ID04300.hairpin	14175	7	-	148801396	148801465
TJU_CMC.ID04301.hairpin	14176	7	-	148808024	148808093
TJU_CMC.ID04302.hairpin	14177	7	+	148973366	148973435
TJU_CMC.ID04303.hairpin	14178	7	-	148997826	148997897
TJU_CMC.ID04304.hairpin	14179	7	-	149174274	149174344
TJU_CMC.ID04305.hairpin	14180	7	-	150218647	150218718
TJU_CMC.ID04306.hairpin	14181	7	-	150347908	150347980
TJU_CMC.ID04307.hairpin	14182	7	-	150413622	150413693
TJU_CMC.ID04308.hairpin	14183	7	-	150600899	150600968
TJU_CMC.ID04309.hairpin	14184	7	-	150664430	150664502
TJU_CMC.ID04310.hairpin	14185	7	-	150685391	150685461
TJU_CMC.ID04311.hairpin	14186	7	-	150753128	150753201
TJU_CMC.ID04312.hairpin	14187	7	-	150945463	150945535
TJU_CMC.ID04313.hairpin	14188	7	-	151439885	151439955
TJU_CMC.ID04314.hairpin	14189	7	-	151508840	151508909
TJU_CMC.ID04315.hairpin	14190	7	+	152280367	152280436
TJU_CMC.ID04316.hairpin	14191	7	+	153110839	153110910
TJU_CMC.ID04317.hairpin	14192	7	-	153632124	153632195
TJU_CMC.ID04318.hairpin	14193	7	+	154131537	154131608
TJU_CMC.ID04319.hairpin	14194	7	+	154432633	154432706
TJU_CMC.ID04320.hairpin	14195	7	-	155151629	155151698
TJU_CMC.ID04321.hairpin	14196	7	-	155170742	155170812
TJU_CMC.ID04322.hairpin	14197	7	+	155246777	155246849

Table 1. Novel miRNA sequences

TJU_CMC.ID04323.hairpin	14198	7	+	155353369	155353438
TJU_CMC.ID04324.hairpin	14199	7	+	155388039	155388109
TJU_CMC.ID04325.hairpin	14200	7	-	155647546	155647619
TJU_CMC.ID04326.hairpin	14201	7	+	155752441	155752514
TJU_CMC.ID04327.hairpin	14202	7	-	155928693	155928763
TJU_CMC.ID04328.hairpin	14203	7	+	156016151	156016223
TJU_CMC.ID04329.hairpin	14204	7	+	156447642	156447713
TJU_CMC.ID04330.hairpin	14205	7	+	156645210	156645281
TJU_CMC.ID04331.hairpin	14206	7	+	156916505	156916576
TJU_CMC.ID04332.hairpin	14207	7	+	157224022	157224095
TJU_CMC.ID04333.hairpin	14208	7	+	157343436	157343508
TJU_CMC.ID04334.hairpin	14209	7	+	157367353	157367424
TJU_CMC.ID04335.hairpin	14210	7	-	157768199	157768272
TJU_CMC.ID04336.hairpin	14211	7	+	157889316	157889386
TJU_CMC.ID04337.hairpin	14212	7	-	158177733	158177806
TJU_CMC.ID04338.hairpin	14213	7	-	158179421	158179491
TJU_CMC.ID04339.hairpin	14214	7	+	158480037	158480108
TJU_CMC.ID04340.hairpin	14215	7	+	158612574	158612644
TJU_CMC.ID04341.hairpin	14216	8	+	371071	371140
TJU_CMC.ID04342.hairpin	14217	8	+	597036	597107
TJU_CMC.ID04343.hairpin	14218	8	+	638264	638334
TJU_CMC.ID04344.hairpin	14219	8	+	666435	666504
TJU_CMC.ID04345.hairpin	14220	8	+	1163135	1163206
TJU_CMC.ID04346.hairpin	14221	8	-	1362428	1362499
TJU_CMC.ID04347.hairpin	14222	8	+	1833963	1834034
TJU_CMC.ID04348.hairpin	14223	8	+	1882361	1882430
TJU_CMC.ID04349.hairpin	14224	8	+	1949719	1949789
TJU_CMC.ID04350.hairpin	14225	8	+	1959320	1959390
TJU_CMC.ID04351.hairpin	14226	8	+	2006908	2006979
TJU_CMC.ID04352.hairpin	14227	8	+	2035302	2035374
TJU_CMC.ID04353.hairpin	14228	8	-	2067593	2067665

Table 1. Novel miRNA sequences

TJU_CMC.ID04354.hairpin	14229	8	+	3640425	3640498	
TJU_CMC.ID04355.hairpin	14230	8	-	3755159	3755232	
TJU_CMC.ID04356.hairpin	14231	8	-	3805335	3805406	
TJU_CMC.ID04357.hairpin	14232	8	+	4182574	4182643	
TJU_CMC.ID04358.hairpin	14233	8	+	4330940	4331009	
TJU_CMC.ID04359.hairpin	14234	8	-	4649016	4649086	
TJU_CMC.ID04360.hairpin	14235	8	+	4766480	4766551	
TJU_CMC.ID04361.hairpin	14236	8	+	4776578	4776647	
TJU_CMC.ID04362.hairpin	14237	8	+	4784995	4785068	
TJU_CMC.ID04363.hairpin	14238	8	+	4947733	4947805	
TJU_CMC.ID04364.hairpin	14239	8	+	5073796	5073869	
TJU_CMC.ID04365.hairpin	14240	8	+	5371624	5371694	
TJU_CMC.ID04366.hairpin	14241	8	+	5473177	5473246	
TJU_CMC.ID04367.hairpin	14242	8	+	5743272	5743345	
TJU_CMC.ID04368.hairpin	14243	8	+	6154165	6154238	
TJU_CMC.ID04369.hairpin	14244	8	-	6689935	6690008	
TJU_CMC.ID04370.hairpin	14245	8	+	6812017	6812088	
TJU_CMC.ID04371.hairpin	14246	8	+	7000018	7000088	
TJU_CMC.ID04372.hairpin	14247	8	-	7008660	7008732	
TJU_CMC.ID04373.hairpin	14248	8	+	8560106	8560177	
TJU_CMC.ID04374.hairpin	14249	8	-	8580926	8580998	
TJU_CMC.ID04375.hairpin	14250	8	-	8610287	8610356	
TJU_CMC.ID04376.hairpin	14251	8	+	8646920	8646992	
TJU_CMC.ID04377.hairpin	14252	8	-	8729458	8729530	
TJU_CMC.ID04378.hairpin	14253	8	+	9151633	9151705	
TJU_CMC.ID04379.hairpin	14254	8	-	9211889	9211958	
TJU_CMC.ID04380.hairpin	14255	8	-	10002287	10002359	
TJU_CMC.ID04381.hairpin	14256	8	+	10018417	10018486	
TJU_CMC.ID04382.hairpin	14257	8	-	10492727	10492800	
TJU_CMC.ID04383.hairpin	14258	8	+	10636478	10636549	
TJU_CMC.ID04384.hairpin	14259	8	+	10718113	10718184	

Table 1. Novel miRNA sequences

TJU_CMC.ID04385.hairpin	14260	8	-	10774040	10774113
TJU_CMC.ID04386.hairpin	14261	8	-	10890196	10890267
TJU_CMC.ID04387.hairpin	14262	8	-	11065099	11065170
TJU_CMC.ID04388.hairpin	14263	8	+	11619690	11619760
TJU_CMC.ID04389.hairpin	14264	8	+	12751226	12751297
TJU_CMC.ID04390.hairpin	14265	8	+	14001552	14001624
TJU_CMC.ID04391.hairpin	14266	8	+	15552625	15552696
TJU_CMC.ID04392.hairpin	14267	8	+	16267036	16267109
TJU_CMC.ID04393.hairpin	14268	8	-	16469631	16469701
TJU_CMC.ID04394.hairpin	14269	8	-	16628632	16628702
TJU_CMC.ID04395.hairpin	14270	8	+	16702567	16702640
TJU_CMC.ID04396.hairpin	14271	8	+	17010869	17010941
TJU_CMC.ID04397.hairpin	14272	8	+	17050536	17050608
TJU_CMC.ID04398.hairpin	14273	8	-	17174994	17175065
TJU_CMC.ID04399.hairpin	14274	8	-	17292400	17292471
TJU_CMC.ID04400.hairpin	14275	8	+	17386657	17386729
TJU_CMC.ID04401.hairpin	14276	8	-	18405097	18405167
TJU_CMC.ID04402.hairpin	14277	8	-	18871281	18871353
TJU_CMC.ID04403.hairpin	14278	8	+	19827145	19827216
TJU_CMC.ID04404.hairpin	14279	8	-	20151738	20151808
TJU_CMC.ID04405.hairpin	14280	8	+	20488889	20488961
TJU_CMC.ID04406.hairpin	14281	8	-	20511030	20511102
TJU_CMC.ID04407.hairpin	14282	8	+	20694226	20694297
TJU_CMC.ID04408.hairpin	14283	8	-	21548753	21548825
TJU_CMC.ID04409.hairpin	14284	8	-	21630758	21630830
TJU_CMC.ID04410.hairpin	14285	8	+	21715162	21715235
TJU_CMC.ID04411.hairpin	14286	8	+	21881661	21881731
TJU_CMC.ID04412.hairpin	14287	8	-	21978329	21978402
TJU_CMC.ID04413.hairpin	14288	8	+	22068877	22068946
TJU_CMC.ID04414.hairpin	14289	8	+	22378629	22378702
TJU_CMC.ID04415.hairpin	14290	8	-	22430041	22430113

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TJU_CMC.ID04416.hairpin	14291	8	+	22702317	22702388	
TJU_CMC.ID04417.hairpin	14292	8	+	23031288	23031361	
TJU_CMC.ID04418.hairpin	14293	8	-	23156455	23156525	
TJU_CMC.ID04419.hairpin	14294	8	-	23207287	23207360	
TJU_CMC.ID04420.hairpin	14295	8	-	24072881	24072954	
TJU_CMC.ID04421.hairpin	14296	8	-	24460390	24460461	
TJU_CMC.ID04422.hairpin	14297	8	+	24532477	24532548	
TJU_CMC.ID04423.hairpin	14298	8	-	25677599	25677671	
TJU_CMC.ID04424.hairpin	14299	8	-	25689423	25689495	
TJU_CMC.ID04425.hairpin	14300	8	-	25898391	25898463	
TJU_CMC.ID04426.hairpin	14301	8	-	26352747	26352820	
TJU_CMC.ID04427.hairpin	14302	8	+	26500870	26500943	
TJU_CMC.ID04428.hairpin	14303	8	+	26618535	26618607	
TJU_CMC.ID04429.hairpin	14304	8	-	27370732	27370803	
TJU_CMC.ID04430.hairpin	14305	8	-	27473544	27473613	
TJU_CMC.ID04431.hairpin	14306	8	-	27780845	27780917	
TJU_CMC.ID04432.hairpin	14307	8	+	28208086	28208159	
TJU_CMC.ID04433.hairpin	14308	8	+	28417949	28418019	
TJU_CMC.ID04434.hairpin	14309	8	+	29144644	29144717	
TJU_CMC.ID04435.hairpin	14310	8	-	29439865	29439937	
TJU_CMC.ID04436.hairpin	14311	8	-	29499007	29499080	
TJU_CMC.ID04437.hairpin	14312	8	-	29541540	29541610	
TJU_CMC.ID04438.hairpin	14313	8	-	30508329	30508398	
TJU_CMC.ID04439.hairpin	14314	8	+	30635362	30635431	
TJU_CMC.ID04440.hairpin	14315	8	-	31204789	31204858	
TJU_CMC.ID04441.hairpin	14316	8	-	32330301	32330373	
TJU_CMC.ID04442.hairpin	14317	8	-	32827574	32827643	
TJU_CMC.ID04443.hairpin	14318	8	-	32887909	32887978	
TJU_CMC.ID04444.hairpin	14319	8	-	33168456	33168528	
TJU_CMC.ID04445.hairpin	14320	8	+	33202421	33202494	
TJU_CMC.ID04446.hairpin	14321	8	-	34025401	34025472	

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TJU_CMC.ID04447.hairpin	14322	8	-	34036026	34036096
TJU_CMC.ID04448.hairpin	14323	8	+	34296032	34296104
TJU_CMC.ID04449.hairpin	14324	8	-	34513835	34513906
TJU_CMC.ID04450.hairpin	14325	8	-	35465532	35465605
TJU_CMC.ID04451.hairpin	14326	8	-	35608416	35608487
TJU_CMC.ID04452.hairpin	14327	8	-	35730085	35730158
TJU_CMC.ID04453.hairpin	14328	8	-	35837763	35837835
TJU_CMC.ID04454.hairpin	14329	8	-	36262539	36262610
TJU_CMC.ID04455.hairpin	14330	8	+	36314367	36314436
TJU_CMC.ID04456.hairpin	14331	8	+	36844234	36844306
TJU_CMC.ID04457.hairpin	14332	8	-	37104795	37104865
TJU_CMC.ID04458.hairpin	14333	8	-	37158514	37158586
TJU_CMC.ID04459.hairpin	14334	8	+	37179493	37179566
TJU_CMC.ID04460.hairpin	14335	8	+	37357289	37357362
TJU_CMC.ID04461.hairpin	14336	8	+	37524374	37524445
TJU_CMC.ID04462.hairpin	14337	8	-	37675945	37676017
TJU_CMC.ID04463.hairpin	14338	8	-	37939316	37939389
TJU_CMC.ID04464.hairpin	14339	8	+	38046865	38046934
TJU_CMC.ID04465.hairpin	14340	8	+	38415116	38415188
TJU_CMC.ID04466.hairpin	14341	8	-	39775265	39775338
TJU_CMC.ID04467.hairpin	14342	8	+	39913443	39913514
TJU_CMC.ID04468.hairpin	14343	8	+	39953767	39953838
TJU_CMC.ID04469.hairpin	14344	8	-	39958260	39958331
TJU_CMC.ID04470.hairpin	14345	8	-	40172329	40172399
TJU_CMC.ID04471.hairpin	14346	8	+	40483279	40483351
TJU_CMC.ID04472.hairpin	14347	8	-	40811851	40811922
TJU_CMC.ID04473.hairpin	14348	8	+	40844724	40844796
TJU_CMC.ID04474.hairpin	14349	8	+	40845545	40845615
TJU_CMC.ID04475.hairpin	14350	8	-	41059087	41059158
TJU_CMC.ID04476.hairpin	14351	8	+	41394139	41394212
TJU_CMC.ID04477.hairpin	14352	8	-	41456013	41456086

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TJU_CMC.ID04478.hairpin	14353	8	-	41511586	41511657	
TJU_CMC.ID04479.hairpin	14354	8	-	41515578	41515649	
TJU_CMC.ID04480.hairpin.ID=MI0023622;Alias=MI0023622;Name=hsa-mir-486-2	14355	8	+	41517962	41518025	
TJU_CMC.ID04481.hairpin	14356	8	-	41525251	41525320	
TJU_CMC.ID04482.hairpin	14357	8	+	42050746	42050816	
TJU_CMC.ID04483.hairpin	14358	8	+	42132251	42132320	
TJU_CMC.ID04484.hairpin	14359	8	+	42148057	42148129	
TJU_CMC.ID04485.hairpin	14360	8	-	42601351	42601423	
TJU_CMC.ID04486.hairpin	14361	8	-	43053252	43053324	
TJU_CMC.ID04487.hairpin	14362	8	+	47184843	47184914	
TJU_CMC.ID04488.hairpin	14363	8	-	47457920	47457992	
TJU_CMC.ID04489.hairpin	14364	8	+	47821506	47821577	
TJU_CMC.ID04490.hairpin	14365	8	-	47949976	47950045	
TJU_CMC.ID04491.hairpin	14366	8	-	48234633	48234705	
TJU_CMC.ID04492.hairpin	14367	8	+	48273094	48273164	
TJU_CMC.ID04493.hairpin	14368	8	-	48276790	48276861	
TJU_CMC.ID04494.hairpin	14369	8	-	48388360	48388432	
TJU_CMC.ID04495.hairpin	14370	8	+	48503393	48503463	
TJU_CMC.ID04496.hairpin	14371	8	+	48572304	48572375	
TJU_CMC.ID04497.hairpin	14372	8	-	48684708	48684779	
TJU_CMC.ID04498.hairpin	14373	8	-	48882676	48882745	
TJU_CMC.ID04499.hairpin	14374	8	-	49173992	49174064	
TJU_CMC.ID04500.hairpin	14375	8	-	49357049	49357121	
TJU_CMC.ID04501.hairpin	14376	8	-	49430569	49430639	
TJU_CMC.ID04502.hairpin	14377	8	-	49625387	49625459	
TJU_CMC.ID04503.hairpin	14378	8	-	49690566	49690638	
TJU_CMC.ID04504.hairpin	14379	8	-	50388530	50388602	
TJU_CMC.ID04505.hairpin	14380	8	-	50509087	50509158	
TJU_CMC.ID04506.hairpin	14381	8	+	50536478	50536549	

Table 1. Novel miRNA sequences

TJU_CMC.ID04507.hairpin	14382	8	+	51102708	51102778	
TJU_CMC.ID04508.hairpin	14383	8	+	51337843	51337914	
TJU_CMC.ID04509.hairpin	14384	8	-	51545127	51545198	
TJU_CMC.ID04510.hairpin	14385	8	-	51888763	51888836	
TJU_CMC.ID04511.hairpin	14386	8	-	52194264	52194333	
TJU_CMC.ID04512.hairpin	14387	8	-	53147896	53147969	
TJU_CMC.ID04513.hairpin	14388	8	+	53278835	53278904	
TJU_CMC.ID04514.hairpin	14389	8	+	53505511	53505582	
TJU_CMC.ID04515.hairpin	14390	8	-	54139214	54139285	
TJU_CMC.ID04516.hairpin	14391	8	+	54658185	54658255	
TJU_CMC.ID04517.hairpin	14392	8	+	54769084	54769155	
TJU_CMC.ID04518.hairpin	14393	8	-	55330030	55330101	
TJU_CMC.ID04519.hairpin	14394	8	-	55371764	55371833	
TJU_CMC.ID04520.hairpin	14395	8	-	55526739	55526810	
TJU_CMC.ID04521.hairpin	14396	8	-	55632806	55632878	
TJU_CMC.ID04522.hairpin	14397	8	+	56197114	56197183	
TJU_CMC.ID04523.hairpin	14398	8	-	56481980	56482053	
TJU_CMC.ID04524.hairpin	14399	8	+	56642124	56642193	
TJU_CMC.ID04525.hairpin	14400	8	-	56793218	56793289	
TJU_CMC.ID04526.hairpin	14401	8	+	57629306	57629375	
TJU_CMC.ID04527.hairpin	14402	8	-	58143948	58144021	
TJU_CMC.ID04528.hairpin	14403	8	+	58428300	58428371	
TJU_CMC.ID04529.hairpin	14404	8	+	58458194	58458266	
TJU_CMC.ID04530.hairpin	14405	8	+	58785998	58786070	
TJU_CMC.ID04531.hairpin	14406	8	-	58813407	58813478	
TJU_CMC.ID04532.hairpin	14407	8	+	59012986	59013057	
TJU_CMC.ID04533.hairpin	14408	8	-	59161948	59162019	
TJU_CMC.ID04534.hairpin	14409	8	-	59509862	59509935	
TJU_CMC.ID04535.hairpin	14410	8	-	60230507	60230576	
TJU_CMC.ID04536.hairpin	14411	8	+	60545551	60545623	
TJU_CMC.ID04537.hairpin	14412	8	-	60873113	60873182	

Table 1. Novel miRNA sequences

TJU_CMC.ID04538.hairpin	14413	8	-	60904511	60904580
TJU_CMC.ID04539.hairpin	14414	8	+	61132371	61132442
TJU_CMC.ID04540.hairpin	14415	8	-	61402339	61402412
TJU_CMC.ID04541.hairpin	14416	8	+	61644629	61644702
TJU_CMC.ID04542.hairpin	14417	8	-	61696243	61696312
TJU_CMC.ID04543.hairpin	14418	8	+	61769492	61769565
TJU_CMC.ID04544.hairpin	14419	8	-	62340688	62340759
TJU_CMC.ID04545.hairpin	14420	8	-	62434147	62434220
TJU_CMC.ID04546.hairpin	14421	8	+	62767213	62767284
TJU_CMC.ID04547.hairpin	14422	8	-	62923061	62923134
TJU_CMC.ID04548.hairpin	14423	8	+	63970372	63970444
TJU_CMC.ID04549.hairpin	14424	8	-	64457172	64457243
TJU_CMC.ID04550.hairpin	14425	8	-	64814087	64814157
TJU_CMC.ID04551.hairpin	14426	8	-	64968884	64968956
TJU_CMC.ID04552.hairpin	14427	8	-	65796113	65796182
TJU_CMC.ID04553.hairpin	14428	8	+	66174127	66174200
TJU_CMC.ID04554.hairpin	14429	8	-	66533447	66533518
TJU_CMC.ID04555.hairpin	14430	8	-	67056713	67056783
TJU_CMC.ID04556.hairpin	14431	8	+	67119341	67119412
TJU_CMC.ID04557.hairpin	14432	8	+	67625019	67625088
TJU_CMC.ID04558.hairpin	14433	8	+	67960588	67960661
TJU_CMC.ID04559.hairpin	14434	8	-	68318941	68319012
TJU_CMC.ID04560.hairpin	14435	8	+	69719171	69719244
TJU_CMC.ID04561.hairpin	14436	8	-	69793226	69793295
TJU_CMC.ID04562.hairpin	14437	8	-	70578111	70578183
TJU_CMC.ID04563.hairpin	14438	8	+	71044048	71044120
TJU_CMC.ID04564.hairpin	14439	8	+	71364685	71364755
TJU_CMC.ID04565.hairpin	14440	8	+	72338815	72338886
TJU_CMC.ID04566.hairpin	14441	8	-	72363438	72363510
TJU_CMC.ID04567.hairpin	14442	8	-	72390808	72390880
TJU_CMC.ID04568.hairpin	14443	8	-	73482400	73482472

Table 1. Novel miRNA sequences

TJU_CMC.ID04569.hairpin	14444	8	+	73991102	73991174
TJU_CMC.ID04570.hairpin	14445	8	-	74249721	74249793
TJU_CMC.ID04571.hairpin	14446	8	-	75232649	75232720
TJU_CMC.ID04572.hairpin	14447	8	+	75446376	75446447
TJU_CMC.ID04573.hairpin	14448	8	+	75833021	75833093
TJU_CMC.ID04574.hairpin	14449	8	+	75851436	75851508
TJU_CMC.ID04575.hairpin	14450	8	-	76028903	76028975
TJU_CMC.ID04576.hairpin	14451	8	+	76316508	76316579
TJU_CMC.ID04577.hairpin	14452	8	+	76472556	76472625
TJU_CMC.ID04578.hairpin	14453	8	+	77211906	77211977
TJU_CMC.ID04579.hairpin	14454	8	-	78060717	78060788
TJU_CMC.ID04580.hairpin	14455	8	-	78168310	78168381
TJU_CMC.ID04581.hairpin	14456	8	+	78170407	78170480
TJU_CMC.ID04582.hairpin	14457	8	+	78371489	78371560
TJU_CMC.ID04583.hairpin	14458	8	-	79041839	79041911
TJU_CMC.ID04584.hairpin	14459	8	+	79507090	79507159
TJU_CMC.ID04585.hairpin	14460	8	+	79679464	79679537
TJU_CMC.ID04586.hairpin	14461	8	-	80108498	80108570
TJU_CMC.ID04587.hairpin	14462	8	-	80113315	80113384
TJU_CMC.ID04588.hairpin	14463	8	+	80471991	80472063
TJU_CMC.ID04589.hairpin	14464	8	-	80585042	80585113
TJU_CMC.ID04590.hairpin	14465	8	-	80685592	80685664
TJU_CMC.ID04591.hairpin	14466	8	-	80714569	80714640
TJU_CMC.ID04592.hairpin	14467	8	-	80907543	80907613
TJU_CMC.ID04593.hairpin	14468	8	-	81174005	81174077
TJU_CMC.ID04594.hairpin	14469	8	-	81485637	81485708
TJU_CMC.ID04595.hairpin	14470	8	-	81525960	81526031
TJU_CMC.ID04596.hairpin	14471	8	-	81853616	81853687
TJU_CMC.ID04597.hairpin	14472	8	+	81967341	81967411
TJU_CMC.ID04598.hairpin	14473	8	+	82154416	82154487
TJU_CMC.ID04599.hairpin	14474	8	-	82183026	82183095

Table 1. Novel miRNA sequences

TJU_CMC.ID04600.hairpin	14475	8	+	83593813	83593883	
TJU_CMC.ID04601.hairpin	14476	8	+	83684187	83684260	
TJU_CMC.ID04602.hairpin	14477	8	-	83908082	83908154	
TJU_CMC.ID04603.hairpin	14478	8	+	85198283	85198353	
TJU_CMC.ID04604.hairpin	14479	8	-	85600681	85600752	
TJU_CMC.ID04605.hairpin	14480	8	+	86347442	86347514	
TJU_CMC.ID04606.hairpin	14481	8	+	86393062	86393131	
TJU_CMC.ID04607.hairpin	14482	8	+	88188240	88188309	
TJU_CMC.ID04608.hairpin	14483	8	-	88758795	88758866	
TJU_CMC.ID04609.hairpin	14484	8	-	89296106	89296177	
TJU_CMC.ID04610.hairpin	14485	8	+	90696625	90696696	
TJU_CMC.ID04611.hairpin	14486	8	+	90973433	90973505	
TJU_CMC.ID04612.hairpin	14487	8	+	91314091	91314163	
TJU_CMC.ID04613.hairpin	14488	8	+	91319401	91319473	
TJU_CMC.ID04614.hairpin	14489	8	-	92531875	92531945	
TJU_CMC.ID04615.hairpin	14490	8	-	92547520	92547590	
TJU_CMC.ID04616.hairpin	14491	8	-	92677257	92677329	
TJU_CMC.ID04617.hairpin	14492	8	-	92775542	92775614	
TJU_CMC.ID04618.hairpin	14493	8	-	93047938	93048010	
TJU_CMC.ID04619.hairpin	14494	8	-	93141268	93141339	
TJU_CMC.ID04620.hairpin	14495	8	-	93189931	93190001	
TJU_CMC.ID04621.hairpin	14496	8	-	93477995	93478068	
TJU_CMC.ID04622.hairpin	14497	8	-	93662608	93662681	
TJU_CMC.ID04623.hairpin	14498	8	-	94440716	94440788	
TJU_CMC.ID04624.hairpin	14499	8	+	94915348	94915420	
TJU_CMC.ID04625.hairpin	14500	8	-	94989092	94989162	
TJU_CMC.ID04626.hairpin	14501	8	-	95031969	95032039	
TJU_CMC.ID04627.hairpin	14502	8	-	95242906	95242976	
TJU_CMC.ID04628.hairpin	14503	8	-	95254229	95254300	
TJU_CMC.ID04629.hairpin	14504	8	-	95980225	95980297	
TJU_CMC.ID04630.hairpin	14505	8	+	96433536	96433606	

Table 1. Novel miRNA sequences

TJU_CMC.ID04631.hairpin	14506	8	-	96517853	96517925
TJU_CMC.ID04632.hairpin	14507	8	+	96572173	96572246
TJU_CMC.ID04633.hairpin	14508	8	+	96653132	96653202
TJU_CMC.ID04634.hairpin	14509	8	+	97111442	97111515
TJU_CMC.ID04635.hairpin	14510	8	+	97246385	97246457
TJU_CMC.ID04636.hairpin	14511	8	-	97404111	97404180
TJU_CMC.ID04637.hairpin	14512	8	+	98667435	98667508
TJU_CMC.ID04638.hairpin	14513	8	-	98741456	98741527
TJU_CMC.ID04639.hairpin	14514	8	-	98890524	98890596
TJU_CMC.ID04640.hairpin	14515	8	+	98963726	98963796
TJU_CMC.ID04641.hairpin	14516	8	+	99045965	99046034
TJU_CMC.ID04642.hairpin	14517	8	+	99159758	99159831
TJU_CMC.ID04643.hairpin	14518	8	-	99235175	99235245
TJU_CMC.ID04644.hairpin	14519	8	+	99307013	99307085
TJU_CMC.ID04645.hairpin	14520	8	+	100243117	100243189
TJU_CMC.ID04646.hairpin	14521	8	-	100243613	100243685
TJU_CMC.ID04647.hairpin	14522	8	-	100546893	100546962
TJU_CMC.ID04648.hairpin	14523	8	+	100835322	100835393
TJU_CMC.ID04649.hairpin	14524	8	-	100934981	100935050
TJU_CMC.ID04650.hairpin	14525	8	-	101475763	101475834
TJU_CMC.ID04651.hairpin	14526	8	+	101821920	101821992
TJU_CMC.ID04652.hairpin	14527	8	+	102028774	102028846
TJU_CMC.ID04653.hairpin	14528	8	-	102113192	102113262
TJU_CMC.ID04654.hairpin	14529	8	-	102797919	102797992
TJU_CMC.ID04655.hairpin	14530	8	-	102810952	102811023
TJU_CMC.ID04656.hairpin	14531	8	-	102884388	102884458
TJU_CMC.ID04657.hairpin	14532	8	+	102999446	102999515
TJU_CMC.ID04658.hairpin	14533	8	-	103171863	103171936
TJU_CMC.ID04659.hairpin	14534	8	-	103196877	103196946
TJU_CMC.ID04660.hairpin	14535	8	+	103474057	103474130
TJU_CMC.ID04661.hairpin	14536	8	+	103484734	103484806

Table 1. Novel miRNA sequences

TJU_CMC.ID04662.hairpin	14537	8	+	103797487	103797557
TJU_CMC.ID04663.hairpin	14538	8	-	103837413	103837482
TJU_CMC.ID04664.hairpin	14539	8	-	104051922	104051993
TJU_CMC.ID04665.hairpin	14540	8	+	104251374	104251444
TJU_CMC.ID04666.hairpin	14541	8	-	104266005	104266076
TJU_CMC.ID04667.hairpin	14542	8	+	105977385	105977455
TJU_CMC.ID04668.hairpin	14543	8	-	106344251	106344322
TJU_CMC.ID04669.hairpin	14544	8	+	106508506	106508575
TJU_CMC.ID04670.hairpin	14545	8	-	106859387	106859460
TJU_CMC.ID04671.hairpin	14546	8	-	107023046	107023119
TJU_CMC.ID04672.hairpin	14547	8	-	107282707	107282780
TJU_CMC.ID04673.hairpin	14548	8	+	107307694	107307766
TJU_CMC.ID04674.hairpin	14549	8	-	107724601	107724672
TJU_CMC.ID04675.hairpin	14550	8	+	107848213	107848283
TJU_CMC.ID04676.hairpin	14551	8	-	108377513	108377583
TJU_CMC.ID04677.hairpin	14552	8	+	108774606	108774677
TJU_CMC.ID04678.hairpin	14553	8	-	108977686	108977758
TJU_CMC.ID04679.hairpin	14554	8	-	110709098	110709170
TJU_CMC.ID04680.hairpin	14555	8	-	110778244	110778317
TJU_CMC.ID04681.hairpin	14556	8	+	110997273	110997343
TJU_CMC.ID04682.hairpin	14557	8	+	111063252	111063322
TJU_CMC.ID04683.hairpin	14558	8	-	111182527	111182596
TJU_CMC.ID04684.hairpin	14559	8	+	111552134	111552206
TJU_CMC.ID04685.hairpin	14560	8	-	112943725	112943798
TJU_CMC.ID04686.hairpin	14561	8	+	114300027	114300097
TJU_CMC.ID04687.hairpin	14562	8	-	114596056	114596127
TJU_CMC.ID04688.hairpin	14563	8	-	114837780	114837849
TJU_CMC.ID04689.hairpin	14564	8	+	116296422	116296493
TJU_CMC.ID04690.hairpin	14565	8	-	116432753	116432825
TJU_CMC.ID04691.hairpin	14566	8	+	116448060	116448131
TJU_CMC.ID04692.hairpin	14567	8	+	116458304	116458375

Table 1. Novel miRNA sequences

TJU_CMC.ID04693.hairpin	14568	8	-	116618078	116618150
TJU_CMC.ID04694.hairpin	14569	8	+	116883060	116883133
TJU_CMC.ID04695.hairpin	14570	8	-	117328136	117328208
TJU_CMC.ID04696.hairpin	14571	8	-	117521865	117521934
TJU_CMC.ID04697.hairpin	14572	8	-	118310130	118310203
TJU_CMC.ID04698.hairpin	14573	8	+	118615540	118615609
TJU_CMC.ID04699.hairpin	14574	8	+	118732933	118733004
TJU_CMC.ID04700.hairpin	14575	8	+	119016851	119016922
TJU_CMC.ID04701.hairpin	14576	8	-	119409366	119409439
TJU_CMC.ID04702.hairpin	14577	8	-	119445094	119445165
TJU_CMC.ID04703.hairpin	14578	8	+	119472141	119472212
TJU_CMC.ID04704.hairpin	14579	8	-	119592155	119592228
TJU_CMC.ID04705.hairpin	14580	8	+	119622254	119622326
TJU_CMC.ID04706.hairpin	14581	8	-	119627494	119627563
TJU_CMC.ID04707.hairpin	14582	8	-	119905340	119905411
TJU_CMC.ID04708.hairpin	14583	8	+	120215887	120215959
TJU_CMC.ID04709.hairpin	14584	8	-	120413727	120413799
TJU_CMC.ID04710.hairpin	14585	8	-	120638541	120638612
TJU_CMC.ID04711.hairpin	14586	8	+	121062083	121062154
TJU_CMC.ID04712.hairpin	14587	8	+	121066820	121066893
TJU_CMC.ID04713.hairpin	14588	8	-	121079662	121079733
TJU_CMC.ID04714.hairpin	14589	8	+	121417438	121417511
TJU_CMC.ID04715.hairpin	14590	8	-	121791440	121791513
TJU_CMC.ID04716.hairpin	14591	8	-	121824135	121824208
TJU_CMC.ID04717.hairpin	14592	8	+	121938598	121938668
TJU_CMC.ID04718.hairpin	14593	8	+	123815414	123815485
TJU_CMC.ID04719.hairpin	14594	8	-	124000456	124000529
TJU_CMC.ID04720.hairpin	14595	8	-	124408946	124409019
TJU_CMC.ID04721.hairpin	14596	8	+	125721021	125721094
TJU_CMC.ID04722.hairpin	14597	8	+	125744680	125744751
TJU_CMC.ID04723.hairpin	14598	8	+	125985897	125985969

Table 1. Novel miRNA sequences

TJU_CMC.ID04724.hairpin	14599	8	+	125997334	125997405
TJU_CMC.ID04725.hairpin	14600	8	+	126102071	126102140
TJU_CMC.ID04726.hairpin	14601	8	+	126625117	126625189
TJU_CMC.ID04727.hairpin	14602	8	+	126806812	126806885
TJU_CMC.ID04728.hairpin	14603	8	+	126834474	126834546
TJU_CMC.ID04729.hairpin	14604	8	-	126902143	126902214
TJU_CMC.ID04730.hairpin	14605	8	-	126999892	126999963
TJU_CMC.ID04731.hairpin	14606	8	+	127110412	127110484
TJU_CMC.ID04732.hairpin	14607	8	+	128349896	128349968
TJU_CMC.ID04733.hairpin	14608	8	-	128673154	128673225
TJU_CMC.ID04734.hairpin	14609	8	+	128779330	128779403
TJU_CMC.ID04735.hairpin	14610	8	+	129668585	129668654
TJU_CMC.ID04736.hairpin	14611	8	+	130255419	130255489
TJU_CMC.ID04737.hairpin	14612	8	+	131015880	131015951
TJU_CMC.ID04738.hairpin	14613	8	+	131489327	131489399
TJU_CMC.ID04739.hairpin	14614	8	+	131563434	131563504
TJU_CMC.ID04740.hairpin	14615	8	-	131606482	131606551
TJU_CMC.ID04741.hairpin	14616	8	-	132287713	132287784
TJU_CMC.ID04742.hairpin	14617	8	-	133069245	133069315
TJU_CMC.ID04743.hairpin	14618	8	-	133242325	133242397
TJU_CMC.ID04744.hairpin	14619	8	+	133476447	133476516
TJU_CMC.ID04745.hairpin	14620	8	+	133527036	133527108
TJU_CMC.ID04746.hairpin	14621	8	-	134162617	134162689
TJU_CMC.ID04747.hairpin	14622	8	-	134229621	134229692
TJU_CMC.ID04748.hairpin	14623	8	+	134512076	134512149
TJU_CMC.ID04749.hairpin	14624	8	-	134549762	134549835
TJU_CMC.ID04750.hairpin	14625	8	+	134767896	134767965
TJU_CMC.ID04751.hairpin	14626	8	+	134977404	134977474
TJU_CMC.ID04752.hairpin	14627	8	-	135023576	135023648
TJU_CMC.ID04753.hairpin	14628	8	+	135624512	135624581
TJU_CMC.ID04754.hairpin	14629	8	+	135844384	135844453

Table 1. Novel miRNA sequences

TJU_CMC.ID04755.hairpin	14630	8	+	136141705	136141776
TJU_CMC.ID04756.hairpin	14631	8	-	136308103	136308174
TJU_CMC.ID04757.hairpin	14632	8	+	136450944	136451015
TJU_CMC.ID04758.hairpin	14633	8	-	136752337	136752408
TJU_CMC.ID04759.hairpin	14634	8	+	136930198	136930269
TJU_CMC.ID04760.hairpin	14635	8	-	137000425	137000497
TJU_CMC.ID04761.hairpin	14636	8	-	137033975	137034047
TJU_CMC.ID04762.hairpin	14637	8	+	137049205	137049278
TJU_CMC.ID04763.hairpin	14638	8	+	137138925	137138995
TJU_CMC.ID04764.hairpin	14639	8	-	137418219	137418288
TJU_CMC.ID04765.hairpin	14640	8	-	137534325	137534397
TJU_CMC.ID04766.hairpin	14641	8	+	138031844	138031917
TJU_CMC.ID04767.hairpin	14642	8	-	138240435	138240506
TJU_CMC.ID04768.hairpin	14643	8	+	138737641	138737712
TJU_CMC.ID04769.hairpin	14644	8	-	139643509	139643578
TJU_CMC.ID04770.hairpin	14645	8	+	139802169	139802242
TJU_CMC.ID04771.hairpin	14646	8	-	139931553	139931626
TJU_CMC.ID04772.hairpin	14647	8	-	140489929	140489998
TJU_CMC.ID04773.hairpin	14648	8	+	140717316	140717386
TJU_CMC.ID04774.hairpin	14649	8	+	140888444	140888514
TJU_CMC.ID04775.hairpin	14650	8	-	140913856	140913925
TJU_CMC.ID04776.hairpin	14651	8	+	141060684	141060754
TJU_CMC.ID04777.hairpin	14652	8	-	141581234	141581306
TJU_CMC.ID04778.hairpin	14653	8	+	141646896	141646967
TJU_CMC.ID04779.hairpin	14654	8	-	141867859	141867930
TJU_CMC.ID04780.hairpin	14655	8	-	142027179	142027249
TJU_CMC.ID04781.hairpin	14656	8	-	142084616	142084687
TJU_CMC.ID04782.hairpin	14657	8	+	142317398	142317468
TJU_CMC.ID04783.hairpin	14658	8	+	142492992	142493064
TJU_CMC.ID04784.hairpin	14659	8	-	142528308	142528379
TJU_CMC.ID04785.hairpin	14660	8	+	143082085	143082157

Table 1. Novel miRNA sequences

TJU_CMC.ID04786.hairpin	14661	8	-	143165615	143165688
TJU_CMC.ID04787.hairpin	14662	8	+	143254637	143254708
TJU_CMC.ID04788.hairpin	14663	8	-	143383626	143383698
TJU_CMC.ID04789.hairpin	14664	8	-	143532803	143532874
TJU_CMC.ID04790.hairpin	14665	8	-	143703444	143703516
TJU_CMC.ID04791.hairpin	14666	8	+	144193299	144193372
TJU_CMC.ID04792.hairpin	14667	8	+	144303139	144303208
TJU_CMC.ID04793.hairpin	14668	8	+	144347063	144347134
TJU_CMC.ID04794.hairpin	14669	8	-	144349134	144349203
TJU_CMC.ID04795.hairpin	14670	8	+	144567947	144568017
TJU_CMC.ID04796.hairpin	14671	8	-	144613675	144613744
TJU_CMC.ID04797.hairpin	14672	8	-	144649657	144649728
TJU_CMC.ID04798.hairpin	14673	8	+	144949749	144949820
TJU_CMC.ID04799.hairpin	14674	8	+	144997613	144997685
TJU_CMC.ID04800.hairpin	14675	8	-	145048025	145048097
TJU_CMC.ID04801.hairpin	14676	8	-	145519914	145519984
TJU_CMC.ID04802.hairpin	14677	8	-	145561016	145561086
TJU_CMC.ID04803.hairpin	14678	8	+	145755173	145755243
TJU_CMC.ID04804.hairpin	14679	8	-	145816718	145816790
TJU_CMC.ID04805.hairpin	14680	8	-	145865140	145865209
TJU_CMC.ID04806.hairpin	14681	8	-	145897387	145897458
TJU_CMC.ID04807.hairpin	14682	8	+	145943281	145943353
TJU_CMC.ID04808.hairpin	14683	8	+	146003172	146003241
TJU_CMC.ID04809.hairpin	14684	8	-	146117152	146117222
TJU_CMC.ID04810.hairpin	14685	9	-	948084	948155
TJU_CMC.ID04811.hairpin	14686	9	+	999509	999580
TJU_CMC.ID04812.hairpin	14687	9	-	1086254	1086323
TJU_CMC.ID04813.hairpin	14688	9	-	1437097	1437167
TJU_CMC.ID04814.hairpin	14689	9	+	1445287	1445360
TJU_CMC.ID04815.hairpin	14690	9	+	2145680	2145752
TJU_CMC.ID04816.hairpin	14691	9	-	2276103	2276172

Table 1. Novel miRNA sequences

TJU_CMC.ID04817.hairpin	14692	9	-	2396316	2396389	
TJU_CMC.ID04818.hairpin	14693	9	-	2589772	2589845	
TJU_CMC.ID04819.hairpin	14694	9	+	2622121	2622192	
TJU_CMC.ID04820.hairpin	14695	9	+	2674212	2674282	
TJU_CMC.ID04821.hairpin	14696	9	+	2873061	2873133	
TJU_CMC.ID04822.hairpin	14697	9	+	3099316	3099386	
TJU_CMC.ID04823.hairpin	14698	9	-	3214706	3214775	
TJU_CMC.ID04824.hairpin	14699	9	-	3744458	3744527	
TJU_CMC.ID04825.hairpin	14700	9	+	3771334	3771403	
TJU_CMC.ID04826.hairpin	14701	9	-	3859206	3859277	
TJU_CMC.ID04827.hairpin	14702	9	-	4027656	4027725	
TJU_CMC.ID04828.hairpin.ID=MI0000739;Alias=MI0000739;Name=hsa-mir-101-2	14703	9	+	4850297	4850375	
TJU_CMC.ID04829.hairpin	14704	9	-	5492073	5492144	
TJU_CMC.ID04830.hairpin	14705	9	-	6246825	6246897	
TJU_CMC.ID04831.hairpin	14706	9	+	7788627	7788696	
TJU_CMC.ID04832.hairpin	14707	9	-	8175346	8175415	
TJU_CMC.ID04833.hairpin	14708	9	-	8247699	8247772	
TJU_CMC.ID04834.hairpin	14709	9	-	8479604	8479675	
TJU_CMC.ID04835.hairpin	14710	9	-	8503887	8503957	
TJU_CMC.ID04836.hairpin	14711	9	-	8598618	8598690	
TJU_CMC.ID04837.hairpin	14712	9	-	9221028	9221098	
TJU_CMC.ID04838.hairpin	14713	9	-	9561090	9561161	
TJU_CMC.ID04839.hairpin	14714	9	-	9613687	9613758	
TJU_CMC.ID04840.hairpin	14715	9	-	10170156	10170226	
TJU_CMC.ID04841.hairpin	14716	9	-	10400461	10400531	
TJU_CMC.ID04842.hairpin	14717	9	+	10553091	10553161	
TJU_CMC.ID04843.hairpin	14718	9	+	10679433	10679506	
TJU_CMC.ID04844.hairpin	14719	9	+	10837150	10837219	
TJU_CMC.ID04845.hairpin	14720	9	-	11122473	11122542	

Table 1. Novel miRNA sequences

TJU_CMC.ID04846.hairpin	14721	9	-	11392663	11392736
TJU_CMC.ID04847.hairpin	14722	9	-	12226640	12226713
TJU_CMC.ID04848.hairpin	14723	9	-	12755692	12755764
TJU_CMC.ID04849.hairpin	14724	9	-	12931841	12931914
TJU_CMC.ID04850.hairpin	14725	9	+	13024251	13024321
TJU_CMC.ID04851.hairpin	14726	9	-	13464699	13464772
TJU_CMC.ID04852.hairpin	14727	9	-	13711248	13711319
TJU_CMC.ID04853.hairpin	14728	9	+	13904962	13905035
TJU_CMC.ID04854.hairpin	14729	9	-	13936809	13936879
TJU_CMC.ID04855.hairpin	14730	9	+	13963654	13963723
TJU_CMC.ID04856.hairpin	14731	9	+	14566532	14566605
TJU_CMC.ID04857.hairpin	14732	9	-	14827886	14827956
TJU_CMC.ID04858.hairpin	14733	9	-	15404248	15404318
TJU_CMC.ID04859.hairpin	14734	9	-	16388882	16388951
TJU_CMC.ID04860.hairpin	14735	9	+	16450905	16450978
TJU_CMC.ID04861.hairpin	14736	9	+	16547385	16547457
TJU_CMC.ID04862.hairpin	14737	9	-	17367474	17367545
TJU_CMC.ID04863.hairpin	14738	9	-	18045594	18045665
TJU_CMC.ID04864.hairpin	14739	9	-	18049184	18049256
TJU_CMC.ID04865.hairpin	14740	9	+	18133353	18133423
TJU_CMC.ID04866.hairpin	14741	9	+	18353198	18353270
TJU_CMC.ID04867.hairpin	14742	9	+	18826998	18827067
TJU_CMC.ID04868.hairpin	14743	9	-	19063651	19063725
TJU_CMC.ID04868.hairpin	14744	9	-	19063651	19063725
TJU_CMC.ID04869.hairpin	14745	9	-	19187264	19187336
TJU_CMC.ID04870.hairpin	14746	9	-	19427147	19427218
TJU_CMC.ID04871.hairpin	14747	9	-	19627870	19627939
TJU_CMC.ID04872.hairpin	14748	9	-	19988374	19988443
TJU_CMC.ID04873.hairpin	14749	9	+	20739518	20739590
TJU_CMC.ID04874.hairpin	14750	9	+	20750848	20750920
TJU_CMC.ID04875.hairpin	14751	9	+	21053242	21053314

Table 1. Novel miRNA sequences

TJU_CMC.ID04876.hairpin	14752	9	+	22079884	22079957	
TJU_CMC.ID04877.hairpin	14753	9	-	22799384	22799456	
TJU_CMC.ID04878.hairpin	14754	9	+	23489036	23489105	
TJU_CMC.ID04879.hairpin	14755	9	+	23719562	23719634	
TJU_CMC.ID04880.hairpin	14756	9	+	23821700	23821773	
TJU_CMC.ID04881.hairpin	14757	9	-	23848779	23848851	
TJU_CMC.ID04882.hairpin	14758	9	+	24956965	24957036	
TJU_CMC.ID04883.hairpin	14759	9	+	25634253	25634324	
TJU_CMC.ID04884.hairpin	14760	9	+	25763959	25764031	
TJU_CMC.ID04885.hairpin	14761	9	-	25983651	25983724	
TJU_CMC.ID04886.hairpin	14762	9	+	26327941	26328010	
TJU_CMC.ID04887.hairpin	14763	9	+	26635693	26635764	
TJU_CMC.ID04888.hairpin	14764	9	-	27172037	27172106	
TJU_CMC.ID04889.hairpin	14765	9	+	27339784	27339855	
TJU_CMC.ID04890.hairpin	14766	9	+	27923792	27923861	
TJU_CMC.ID04891.hairpin	14767	9	-	27948759	27948829	
TJU_CMC.ID04892.hairpin	14768	9	+	28552558	28552631	
TJU_CMC.ID04893.hairpin	14769	9	+	28576194	28576265	
TJU_CMC.ID04894.hairpin	14770	9	+	29024603	29024674	
TJU_CMC.ID04895.hairpin	14771	9	-	29396621	29396692	
TJU_CMC.ID04896.hairpin	14772	9	-	30052284	30052354	
TJU_CMC.ID04897.hairpin	14773	9	-	30213634	30213705	
TJU_CMC.ID04898.hairpin	14774	9	-	30574406	30574479	
TJU_CMC.ID04899.hairpin	14775	9	-	31254372	31254442	
TJU_CMC.ID04900.hairpin	14776	9	-	31527123	31527195	
TJU_CMC.ID04901.hairpin	14777	9	+	31876892	31876964	
TJU_CMC.ID04902.hairpin	14778	9	-	32222225	32222296	
TJU_CMC.ID04903.hairpin	14779	9	-	32567192	32567264	
TJU_CMC.ID04904.hairpin	14780	9	-	32680859	32680932	
TJU_CMC.ID04905.hairpin	14781	9	-	33011830	33011901	
TJU_CMC.ID04906.hairpin	14782	9	-	33222152	33222222	

Table 1. Novel miRNA sequences

TJU_CMC.ID04907.hairpin	14783	9	+	33346931	33347002
TJU_CMC.ID04908.hairpin	14784	9	+	33448406	33448477
TJU_CMC.ID04909.hairpin	14785	9	+	33830961	33831034
TJU_CMC.ID04910.hairpin	14786	9	+	34217966	34218039
TJU_CMC.ID04911.hairpin	14787	9	-	34514892	34514965
TJU_CMC.ID04912.hairpin	14788	9	+	34664793	34664864
TJU_CMC.ID04913.hairpin	14789	9	+	34699996	34700068
TJU_CMC.ID04914.hairpin	14790	9	+	34715266	34715337
TJU_CMC.ID04915.hairpin	14791	9	+	35161381	35161450
TJU_CMC.ID04916.hairpin	14792	9	+	35578511	35578583
TJU_CMC.ID04917.hairpin	14793	9	-	35719486	35719557
TJU_CMC.ID04918.hairpin	14794	9	-	35791603	35791676
TJU_CMC.ID04919.hairpin	14795	9	-	35841008	35841080
TJU_CMC.ID04920.hairpin	14796	9	+	36117220	36117292
TJU_CMC.ID04921.hairpin	14797	9	+	36487478	36487549
TJU_CMC.ID04922.hairpin	14798	9	-	36628896	36628966
TJU_CMC.ID04923.hairpin	14799	9	+	37034325	37034398
TJU_CMC.ID04924.hairpin	14800	9	+	37501418	37501491
TJU_CMC.ID04925.hairpin	14801	9	+	37787359	37787430
TJU_CMC.ID04926.hairpin	14802	9	-	37922463	37922535
TJU_CMC.ID04927.hairpin	14803	9	-	38022321	38022394
TJU_CMC.ID04928.hairpin	14804	9	+	38411391	38411462
TJU_CMC.ID04929.hairpin	14805	9	+	38679710	38679781
TJU_CMC.ID04930.hairpin	14806	9	+	45404513	45404584
TJU_CMC.ID04931.hairpin	14807	9	-	66863055	66863127
TJU_CMC.ID04932.hairpin	14808	9	-	68493259	68493330
TJU_CMC.ID04933.hairpin	14809	9	+	71098990	71099063
TJU_CMC.ID04934.hairpin	14810	9	+	71236677	71236749
TJU_CMC.ID04935.hairpin	14811	9	-	71401696	71401769
TJU_CMC.ID04936.hairpin	14812	9	-	72280973	72281044
TJU_CMC.ID04937.hairpin	14813	9	+	72724395	72724466

Table 1. Novel miRNA sequences

TJU_CMC.ID04938.hairpin	14814	9	-	73205948	73206017
TJU_CMC.ID04939.hairpin	14815	9	+	73399093	73399164
TJU_CMC.ID04940.hairpin	14816	9	-	74037905	74037977
TJU_CMC.ID04941.hairpin	14817	9	-	74083513	74083586
TJU_CMC.ID04942.hairpin	14818	9	-	74384927	74385000
TJU_CMC.ID04943.hairpin	14819	9	-	74622951	74623023
TJU_CMC.ID04944.hairpin	14820	9	-	76208809	76208882
TJU_CMC.ID04945.hairpin	14821	9	-	76345877	76345949
TJU_CMC.ID04946.hairpin	14822	9	-	77492877	77492948
TJU_CMC.ID04947.hairpin	14823	9	+	77652584	77652653
TJU_CMC.ID04948.hairpin	14824	9	+	78904581	78904652
TJU_CMC.ID04949.hairpin	14825	9	+	79201311	79201383
TJU_CMC.ID04950.hairpin	14826	9	+	79608756	79608829
TJU_CMC.ID04951.hairpin	14827	9	-	80253508	80253580
TJU_CMC.ID04952.hairpin	14828	9	+	81007611	81007682
TJU_CMC.ID04953.hairpin	14829	9	-	81058969	81059039
TJU_CMC.ID04954.hairpin	14830	9	+	81145400	81145471
TJU_CMC.ID04955.hairpin	14831	9	+	81336662	81336734
TJU_CMC.ID04956.hairpin	14832	9	-	81865880	81865949
TJU_CMC.ID04957.hairpin	14833	9	+	81896903	81896974
TJU_CMC.ID04958.hairpin	14834	9	+	82232822	82232891
TJU_CMC.ID04959.hairpin	14835	9	+	82601422	82601493
TJU_CMC.ID04960.hairpin	14836	9	+	82825093	82825164
TJU_CMC.ID04961.hairpin	14837	9	+	82852607	82852676
TJU_CMC.ID04962.hairpin	14838	9	+	82898937	82899007
TJU_CMC.ID04963.hairpin	14839	9	+	83126736	83126807
TJU_CMC.ID04964.hairpin	14840	9	+	83874336	83874405
TJU_CMC.ID04965.hairpin	14841	9	+	85466522	85466593
TJU_CMC.ID04966.hairpin	14842	9	-	85847615	85847684
TJU_CMC.ID04967.hairpin	14843	9	+	86141091	86141164
TJU_CMC.ID04968.hairpin	14844	9	+	86221099	86221172

Table 1. Novel miRNA sequences

TJU_CMC.ID04969.hairpin	14845	9	+	86592392	86592465
TJU_CMC.ID04970.hairpin	14846	9	+	86856442	86856511
TJU_CMC.ID04971.hairpin	14847	9	+	86930195	86930266
TJU_CMC.ID04972.hairpin	14848	9	-	86937179	86937249
TJU_CMC.ID04973.hairpin	14849	9	+	86939059	86939130
TJU_CMC.ID04974.hairpin	14850	9	-	86954898	86954969
TJU_CMC.ID04975.hairpin	14851	9	+	88126991	88127064
TJU_CMC.ID04976.hairpin	14852	9	-	88216281	88216351
TJU_CMC.ID04977.hairpin	14853	9	-	88653416	88653489
TJU_CMC.ID04978.hairpin	14854	9	+	88870337	88870409
TJU_CMC.ID04979.hairpin	14855	9	-	89039374	89039445
TJU_CMC.ID04980.hairpin	14856	9	+	89336368	89336437
TJU_CMC.ID04981.hairpin	14857	9	-	89456291	89456362
TJU_CMC.ID04982.hairpin	14858	9	-	89948499	89948568
TJU_CMC.ID04983.hairpin	14859	9	-	90195921	90195992
TJU_CMC.ID04984.hairpin	14860	9	-	90781212	90781282
TJU_CMC.ID04985.hairpin	14861	9	+	91252318	91252390
TJU_CMC.ID04986.hairpin	14862	9	-	91793412	91793482
TJU_CMC.ID04987.hairpin	14863	9	-	91861585	91861656
TJU_CMC.ID04988.hairpin	14864	9	+	91933563	91933635
TJU_CMC.ID04989.hairpin	14865	9	-	92219260	92219329
TJU_CMC.ID04990.hairpin	14866	9	+	92265876	92265946
TJU_CMC.ID04991.hairpin	14867	9	-	92489647	92489719
TJU_CMC.ID04992.hairpin	14868	9	-	92493502	92493572
TJU_CMC.ID04993.hairpin	14869	9	+	92755244	92755313
TJU_CMC.ID04994.hairpin	14870	9	+	92843887	92843956
TJU_CMC.ID04995.hairpin	14871	9	+	93470388	93470460
TJU_CMC.ID04996.hairpin	14872	9	-	93620058	93620128
TJU_CMC.ID04997.hairpin	14873	9	+	93636828	93636901
TJU_CMC.ID04998.hairpin	14874	9	-	93714144	93714215
TJU_CMC.ID04999.hairpin	14875	9	+	93944848	93944919

Table 1. Novel miRNA sequences

TJU_CMC.ID05000.hairpin	14876	9	-	94213155	94213225
TJU_CMC.ID05001.hairpin	14877	9	-	94464260	94464331
TJU_CMC.ID05002.hairpin	14878	9	+	94936080	94936150
TJU_CMC.ID05003.hairpin	14879	9	+	95366564	95366633
TJU_CMC.ID05004.hairpin	14880	9	+	95378544	95378617
TJU_CMC.ID05005.hairpin	14881	9	+	95398577	95398650
TJU_CMC.ID05006.hairpin	14882	9	+	95527679	95527749
TJU_CMC.ID05007.hairpin	14883	9	+	95682887	95682956
TJU_CMC.ID05008.hairpin	14884	9	-	95789345	95789416
TJU_CMC.ID05009.hairpin	14885	9	+	95952223	95952295
TJU_CMC.ID05010.hairpin	14886	9	+	95968093	95968164
TJU_CMC.ID05011.hairpin	14887	9	-	96068541	96068612
TJU_CMC.ID05012.hairpin	14888	9	+	96727237	96727310
TJU_CMC.ID05013.hairpin	14889	9	+	97376920	97376993
TJU_CMC.ID05014.hairpin	14890	9	-	97827642	97827714
TJU_CMC.ID05015.hairpin	14891	9	-	98161049	98161119
TJU_CMC.ID05016.hairpin	14892	9	+	98265009	98265080
TJU_CMC.ID05017.hairpin	14893	9	-	98282289	98282359
TJU_CMC.ID05018.hairpin	14894	9	+	98639378	98639447
TJU_CMC.ID05019.hairpin	14895	9	-	99148267	99148336
TJU_CMC.ID05020.hairpin	14896	9	+	99258299	99258371
TJU_CMC.ID05021.hairpin	14897	9	+	99516088	99516158
TJU_CMC.ID05022.hairpin	14898	9	+	100482763	100482836
TJU_CMC.ID05023.hairpin	14899	9	-	100675549	100675622
TJU_CMC.ID05024.hairpin	14900	9	-	100700450	100700523
TJU_CMC.ID05025.hairpin	14901	9	+	100795861	100795933
TJU_CMC.ID05026.hairpin	14902	9	+	101517214	101517287
TJU_CMC.ID05027.hairpin	14903	9	-	102118437	102118506
TJU_CMC.ID05028.hairpin	14904	9	+	102964970	102965043
TJU_CMC.ID05029.hairpin	14905	9	-	103242206	103242277
TJU_CMC.ID05030.hairpin	14906	9	+	103396518	103396590

Table 1. Novel miRNA sequences

TJU_CMC.ID05031.hairpin	14907	9	+	103573567	103573636
TJU_CMC.ID05032.hairpin	14908	9	+	103596570	103596641
TJU_CMC.ID05033.hairpin	14909	9	+	103753530	103753601
TJU_CMC.ID05034.hairpin	14910	9	+	104201355	104201427
TJU_CMC.ID05035.hairpin	14911	9	+	104213717	104213788
TJU_CMC.ID05036.hairpin	14912	9	+	104268756	104268828
TJU_CMC.ID05037.hairpin	14913	9	+	104559790	104559861
TJU_CMC.ID05038.hairpin	14914	9	+	105204543	105204614
TJU_CMC.ID05039.hairpin	14915	9	-	105519084	105519153
TJU_CMC.ID05040.hairpin	14916	9	-	105969518	105969589
TJU_CMC.ID05041.hairpin	14917	9	-	106358023	106358093
TJU_CMC.ID05042.hairpin	14918	9	+	107409391	107409464
TJU_CMC.ID05043.hairpin	14919	9	-	107896058	107896130
TJU_CMC.ID05044.hairpin	14920	9	+	108108792	108108864
TJU_CMC.ID05045.hairpin	14921	9	-	108642274	108642347
TJU_CMC.ID05046.hairpin	14922	9	+	108771806	108771877
TJU_CMC.ID05047.hairpin	14923	9	-	109120981	109121050
TJU_CMC.ID05048.hairpin	14924	9	+	109205474	109205544
TJU_CMC.ID05049.hairpin	14925	9	-	109723095	109723166
TJU_CMC.ID05050.hairpin	14926	9	-	110263159	110263229
TJU_CMC.ID05051.hairpin	14927	9	-	110821986	110822059
TJU_CMC.ID05052.hairpin	14928	9	-	110854473	110854544
TJU_CMC.ID05053.hairpin	14929	9	-	111006189	111006260
TJU_CMC.ID05054.hairpin	14930	9	-	111243354	111243425
TJU_CMC.ID05055.hairpin	14931	9	-	111760530	111760600
TJU_CMC.ID05056.hairpin	14932	9	-	111992698	111992770
TJU_CMC.ID05057.hairpin	14933	9	+	112510214	112510286
TJU_CMC.ID05058.hairpin	14934	9	-	112677121	112677192
TJU_CMC.ID05059.hairpin	14935	9	-	113386550	113386622
TJU_CMC.ID05060.hairpin	14936	9	+	113864742	113864813
TJU_CMC.ID05061.hairpin	14937	9	+	114672843	114672915

Table 1. Novel miRNA sequences

TJU_CMC.ID05062.hairpin	14938	9	+	114713065	114713137
TJU_CMC.ID05063.hairpin	14939	9	-	115078804	115078876
TJU_CMC.ID05064.hairpin	14940	9	-	115472053	115472123
TJU_CMC.ID05065.hairpin	14941	9	-	115637779	115637851
TJU_CMC.ID05066.hairpin	14942	9	+	116362756	116362825
TJU_CMC.ID05067.hairpin	14943	9	-	116548932	116549003
TJU_CMC.ID05068.hairpin	14944	9	-	116761900	116761969
TJU_CMC.ID05069.hairpin	14945	9	+	116896827	116896900
TJU_CMC.ID05070.hairpin	14946	9	-	116916306	116916378
TJU_CMC.ID05071.hairpin	14947	9	-	117050187	117050260
TJU_CMC.ID05072.hairpin	14948	9	+	117218877	117218946
TJU_CMC.ID05073.hairpin	14949	9	+	117320962	117321033
TJU_CMC.ID05074.hairpin	14950	9	+	117453527	117453599
TJU_CMC.ID05075.hairpin	14951	9	-	117461878	117461947
TJU_CMC.ID05076.hairpin	14952	9	-	117681485	117681557
TJU_CMC.ID05077.hairpin	14953	9	-	117766029	117766101
TJU_CMC.ID05078.hairpin	14954	9	-	119179178	119179250
TJU_CMC.ID05079.hairpin	14955	9	-	119224889	119224958
TJU_CMC.ID05080.hairpin	14956	9	+	119466419	119466491
TJU_CMC.ID05081.hairpin	14957	9	-	119510114	119510183
TJU_CMC.ID05082.hairpin	14958	9	-	119755516	119755589
TJU_CMC.ID05083.hairpin	14959	9	-	119824532	119824604
TJU_CMC.ID05084.hairpin	14960	9	-	120050993	120051065
TJU_CMC.ID05085.hairpin	14961	9	-	120064862	120064934
TJU_CMC.ID05086.hairpin	14962	9	-	122139476	122139549
TJU_CMC.ID05087.hairpin	14963	9	+	122167894	122167965
TJU_CMC.ID05088.hairpin	14964	9	+	122494933	122495006
TJU_CMC.ID05089.hairpin	14965	9	+	122513807	122513878
TJU_CMC.ID05090.hairpin	14966	9	+	122814661	122814733
TJU_CMC.ID05091.hairpin	14967	9	-	122817053	122817123
TJU_CMC.ID05092.hairpin	14968	9	-	122962479	122962550

Table 1. Novel miRNA sequences

TJU_CMC.ID05093.hairpin	14969	9	+	123131273	123131346	
TJU_CMC.ID05094.hairpin	14970	9	+	123230364	123230435	
TJU_CMC.ID05095.hairpin	14971	9	+	123364615	123364688	
TJU_CMC.ID05096.hairpin	14972	9	-	123592460	123592529	
TJU_CMC.ID05097.hairpin	14973	9	+	123819317	123819386	
TJU_CMC.ID05098.hairpin	14974	9	+	124360764	124360837	
TJU_CMC.ID05099.hairpin	14975	9	-	124365565	124365637	
TJU_CMC.ID05100.hairpin	14976	9	+	124754690	124754759	
TJU_CMC.ID05101.hairpin	14977	9	-	124784487	124784558	
TJU_CMC.ID05102.hairpin	14978	9	+	124855561	124855633	
TJU_CMC.ID05103.hairpin	14979	9	+	125140108	125140181	
TJU_CMC.ID05104.hairpin	14980	9	-	125216048	125216121	
TJU_CMC.ID05105.hairpin	14981	9	+	125288862	125288933	
TJU_CMC.ID05106.hairpin	14982	9	+	125336970	125337042	
TJU_CMC.ID05107.hairpin	14983	9	+	125450472	125450543	
TJU_CMC.ID05108.hairpin	14984	9	+	125978837	125978909	
TJU_CMC.ID05109.hairpin	14985	9	+	126357551	126357622	
TJU_CMC.ID05110.hairpin	14986	9	-	127038779	127038850	
TJU_CMC.ID05111.hairpin	14987	9	+	127064810	127064881	
TJU_CMC.ID05112.hairpin	14988	9	+	127269647	127269720	
TJU_CMC.ID05113.hairpin.ID=MI0000683;Alias=MI0000683;Name=hsa-mir-181b-2	14989	9	+	127455989	127456077	
TJU_CMC.ID05114.hairpin	14990	9	-	128054104	128054176	
TJU_CMC.ID05115.hairpin	14991	9	-	128228936	128229006	
TJU_CMC.ID05116.hairpin	14992	9	-	128298520	128298591	
TJU_CMC.ID05117.hairpin	14993	9	-	128501821	128501892	
TJU_CMC.ID05118.hairpin	14994	9	+	128642277	128642349	
TJU_CMC.ID05119.hairpin	14995	9	+	129279008	129279079	
TJU_CMC.ID05120.hairpin	14996	9	+	129349654	129349726	
TJU_CMC.ID05121.hairpin	14997	9	-	129370341	129370414	

Table 1. Novel miRNA sequences

TJU_CMC.ID05122.hairpin	14998	9	+	129405977	129406048
TJU_CMC.ID05123.hairpin	14999	9	+	129445488	129445558
TJU_CMC.ID05124.hairpin	15000	9	-	129450711	129450781
TJU_CMC.ID05125.hairpin	15001	9	-	129766455	129766527
TJU_CMC.ID05126.hairpin	15002	9	-	129796338	129796409
TJU_CMC.ID05127.hairpin	15003	9	-	129851327	129851396
TJU_CMC.ID05128.hairpin	15004	9	+	129912196	129912267
TJU_CMC.ID05129.hairpin	15005	9	-	130210780	130210851
TJU_CMC.ID05130.hairpin	15006	9	-	130297419	130297491
TJU_CMC.ID05131.hairpin	15007	9	-	130321466	130321537
TJU_CMC.ID05132.hairpin	15008	9	-	130502440	130502513
TJU_CMC.ID05133.hairpin	15009	9	+	130504808	130504881
TJU_CMC.ID05134.hairpin	15010	9	-	130539442	130539513
TJU_CMC.ID05135.hairpin	15011	9	-	130548535	130548605
TJU_CMC.ID05136.hairpin	15012	9	+	130595988	130596057
TJU_CMC.ID05137.hairpin	15013	9	+	131085121	131085193
TJU_CMC.ID05138.hairpin	15014	9	+	131156297	131156370
TJU_CMC.ID05139.hairpin	15015	9	+	131250990	131251060
TJU_CMC.ID05140.hairpin	15016	9	-	131286895	131286966
TJU_CMC.ID05141.hairpin	15017	9	-	131494426	131494499
TJU_CMC.ID05142.hairpin	15018	9	+	131723665	131723735
TJU_CMC.ID05143.hairpin	15019	9	+	131810777	131810849
TJU_CMC.ID05144.hairpin	15020	9	-	131870103	131870174
TJU_CMC.ID05145.hairpin	15021	9	-	132362010	132362080
TJU_CMC.ID05146.hairpin	15022	9	+	132637839	132637910
TJU_CMC.ID05147.hairpin	15023	9	+	132872547	132872618
TJU_CMC.ID05148.hairpin	15024	9	+	132945530	132945602
TJU_CMC.ID05149.hairpin	15025	9	-	133237490	133237562
TJU_CMC.ID05150.hairpin	15026	9	-	133425245	133425317
TJU_CMC.ID05151.hairpin	15027	9	-	133507687	133507759
TJU_CMC.ID05152.hairpin	15028	9	+	133932311	133932384

Table 1. Novel miRNA sequences

TJU_CMC.ID05153.hairpin	15029	9	+	133971988	133972057
TJU_CMC.ID05154.hairpin	15030	9	+	133978939	133979011
TJU_CMC.ID05155.hairpin	15031	9	+	134420916	134420989
TJU_CMC.ID05156.hairpin	15032	9	+	134674645	134674716
TJU_CMC.ID05157.hairpin	15033	9	-	134778097	134778166
TJU_CMC.ID05158.hairpin	15034	9	+	135039678	135039749
TJU_CMC.ID05159.hairpin	15035	9	+	135080087	135080157
TJU_CMC.ID05160.hairpin	15036	9	+	135308673	135308746
TJU_CMC.ID05161.hairpin	15037	9	+	135519130	135519201
TJU_CMC.ID05162.hairpin	15038	9	-	135535116	135535187
TJU_CMC.ID05163.hairpin	15039	9	+	135665060	135665133
TJU_CMC.ID05164.hairpin	15040	9	-	135746863	135746935
TJU_CMC.ID05165.hairpin.ID=MI0019283;Alias=MI0019283;Name=hsa-mir-548aw	15041	9	+	135821094	135821158
TJU_CMC.ID05166.hairpin	15042	9	+	136007677	136007750
TJU_CMC.ID05167.hairpin	15043	9	+	136188555	136188627
TJU_CMC.ID05168.hairpin	15044	9	-	136275388	136275459
TJU_CMC.ID05169.hairpin	15045	9	+	136334976	136335049
TJU_CMC.ID05170.hairpin	15046	9	+	136399088	136399161
TJU_CMC.ID05171.hairpin	15047	9	+	136406056	136406127
TJU_CMC.ID05172.hairpin	15048	9	+	136536571	136536643
TJU_CMC.ID05173.hairpin	15049	9	-	136857011	136857082
TJU_CMC.ID05174.hairpin	15050	9	-	136876899	136876969
TJU_CMC.ID05175.hairpin	15051	9	+	136933651	136933723
TJU_CMC.ID05176.hairpin	15052	9	-	137040640	137040712
TJU_CMC.ID05177.hairpin	15053	9	-	137218347	137218416
TJU_CMC.ID05178.hairpin	15054	9	-	137430675	137430747
TJU_CMC.ID05179.hairpin	15055	9	+	137477511	137477583
TJU_CMC.ID05180.hairpin	15056	9	-	137496845	137496915
TJU_CMC.ID05181.hairpin	15057	9	-	137498351	137498421

Table 1. Novel miRNA sequences

TJU_CMC.ID05182.hairpin	15058	9	-	137675317	137675386
TJU_CMC.ID05183.hairpin	15059	9	+	138231740	138231811
TJU_CMC.ID05184.hairpin	15060	9	+	138265490	138265563
TJU_CMC.ID05185.hairpin	15061	9	-	138315182	138315255
TJU_CMC.ID05186.hairpin	15062	9	+	138379011	138379080
TJU_CMC.ID05187.hairpin	15063	9	-	138663598	138663668
TJU_CMC.ID05188.hairpin	15064	9	-	138794954	138795026
TJU_CMC.ID05189.hairpin	15065	9	+	138813452	138813523
TJU_CMC.ID05190.hairpin	15066	9	+	138846249	138846320
TJU_CMC.ID05191.hairpin	15067	9	-	138852067	138852136
TJU_CMC.ID05192.hairpin	15068	9	+	138880059	138880132
TJU_CMC.ID05193.hairpin	15069	9	-	138971946	138972019
TJU_CMC.ID05194.hairpin	15070	9	-	138986553	138986622
TJU_CMC.ID05195.hairpin	15071	9	-	139018266	139018338
TJU_CMC.ID05196.hairpin	15072	9	-	139235005	139235078
TJU_CMC.ID05197.hairpin	15073	9	+	139565927	139565998
TJU_CMC.ID05198.hairpin	15074	9	+	139653540	139653612
TJU_CMC.ID05199.hairpin	15075	9	-	139702369	139702441
TJU_CMC.ID05200.hairpin	15076	9	+	139720917	139720986
TJU_CMC.ID05201.hairpin	15077	9	-	139835356	139835427
TJU_CMC.ID05202.hairpin	15078	9	+	139857936	139858007
TJU_CMC.ID05203.hairpin	15079	9	-	139908199	139908272
TJU_CMC.ID05204.hairpin	15080	9	+	139928411	139928483
TJU_CMC.ID05205.hairpin	15081	9	+	139960732	139960803
TJU_CMC.ID05206.hairpin	15082	9	+	140196690	140196760
TJU_CMC.ID05207.hairpin	15083	9	+	140203004	140203075
TJU_CMC.ID05208.hairpin	15084	9	-	140218404	140218473
TJU_CMC.ID05209.hairpin	15085	9	-	140409674	140409743
TJU_CMC.ID05210.hairpin	15086	10	+	182769	182842
TJU_CMC.ID05211.hairpin	15087	10	+	334397	334466
TJU_CMC.ID05212.hairpin	15088	10	-	348161	348232

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TJU_CMC.ID05213.hairpin	15089	10	-	702557	702628	
TJU_CMC.ID05214.hairpin	15090	10	+	1017300	1017371	
TJU_CMC.ID05215.hairpin	15091	10	-	1488183	1488256	
TJU_CMC.ID05216.hairpin	15092	10	+	2319002	2319074	
TJU_CMC.ID05217.hairpin	15093	10	-	2929990	2930061	
TJU_CMC.ID05218.hairpin	15094	10	+	3155130	3155199	
TJU_CMC.ID05219.hairpin	15095	10	+	3492957	3493028	
TJU_CMC.ID05220.hairpin	15096	10	-	3552672	3552741	
TJU_CMC.ID05221.hairpin	15097	10	-	3636441	3636513	
TJU_CMC.ID05222.hairpin	15098	10	-	4629857	4629928	
TJU_CMC.ID05223.hairpin	15099	10	+	4892656	4892727	
TJU_CMC.ID05224.hairpin	15100	10	-	5604246	5604318	
TJU_CMC.ID05225.hairpin	15101	10	+	5618127	5618196	
TJU_CMC.ID05226.hairpin	15102	10	-	6178299	6178370	
TJU_CMC.ID05227.hairpin	15103	10	-	6271484	6271555	
TJU_CMC.ID05228.hairpin	15104	10	-	6447419	6447488	
TJU_CMC.ID05229.hairpin	15105	10	+	6447675	6447748	
TJU_CMC.ID05230.hairpin	15106	10	-	6560896	6560968	
TJU_CMC.ID05231.hairpin	15107	10	-	7088631	7088703	
TJU_CMC.ID05232.hairpin	15108	10	-	7217002	7217073	
TJU_CMC.ID05233.hairpin	15109	10	-	7266640	7266710	
TJU_CMC.ID05234.hairpin	15110	10	-	7404743	7404814	
TJU_CMC.ID05235.hairpin	15111	10	-	7511495	7511566	
TJU_CMC.ID05236.hairpin	15112	10	-	7607962	7608032	
TJU_CMC.ID05237.hairpin	15113	10	-	7632678	7632749	
TJU_CMC.ID05238.hairpin	15114	10	+	7728925	7728997	
TJU_CMC.ID05239.hairpin	15115	10	+	7969972	7970042	
TJU_CMC.ID05240.hairpin	15116	10	-	8070652	8070721	
TJU_CMC.ID05241.hairpin	15117	10	+	8173937	8174007	
TJU_CMC.ID05242.hairpin	15118	10	-	8287671	8287742	
TJU_CMC.ID05243.hairpin	15119	10	-	8676188	8676259	

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TJU_CMC.ID05244.hairpin	15120	10	+	9193151	9193222
TJU_CMC.ID05245.hairpin	15121	10	+	9738133	9738205
TJU_CMC.ID05246.hairpin	15122	10	+	10409398	10409467
TJU_CMC.ID05247.hairpin	15123	10	+	10797672	10797743
TJU_CMC.ID05248.hairpin	15124	10	-	11236916	11236987
TJU_CMC.ID05249.hairpin	15125	10	+	11503502	11503572
TJU_CMC.ID05250.hairpin	15126	10	-	11654198	11654267
TJU_CMC.ID05251.hairpin	15127	10	-	11747797	11747868
TJU_CMC.ID05252.hairpin	15128	10	-	11918042	11918113
TJU_CMC.ID05253.hairpin	15129	10	-	12093326	12093395
TJU_CMC.ID05254.hairpin	15130	10	+	12924538	12924607
TJU_CMC.ID05255.hairpin	15131	10	+	13542267	13542337
TJU_CMC.ID05256.hairpin	15132	10	+	13810464	13810535
TJU_CMC.ID05257.hairpin	15133	10	-	15373250	15373320
TJU_CMC.ID05258.hairpin	15134	10	+	15478854	15478924
TJU_CMC.ID05259.hairpin	15135	10	-	15657265	15657335
TJU_CMC.ID05260.hairpin	15136	10	+	15676504	15676574
TJU_CMC.ID05261.hairpin	15137	10	+	15776094	15776167
TJU_CMC.ID05262.hairpin	15138	10	+	16241325	16241396
TJU_CMC.ID05263.hairpin	15139	10	-	16773237	16773309
TJU_CMC.ID05264.hairpin	15140	10	-	16843741	16843814
TJU_CMC.ID05265.hairpin	15141	10	+	17194981	17195052
TJU_CMC.ID05266.hairpin	15142	10	-	17314606	17314676
TJU_CMC.ID05267.hairpin	15143	10	-	17438858	17438931
TJU_CMC.ID05268.hairpin	15144	10	+	17602714	17602787
TJU_CMC.ID05269.hairpin	15145	10	+	17686335	17686405
TJU_CMC.ID05270.hairpin	15146	10	+	18710270	18710343
TJU_CMC.ID05271.hairpin	15147	10	+	18711184	18711254
TJU_CMC.ID05272.hairpin	15148	10	+	18876980	18877050
TJU_CMC.ID05273.hairpin	15149	10	-	18905741	18905813
TJU_CMC.ID05274.hairpin	15150	10	+	18937110	18937182

Table 1. Novel miRNA sequences

TJU_CMC.ID05275.hairpin	15151	10	+	19091033	19091104
TJU_CMC.ID05276.hairpin	15152	10	+	19568836	19568908
TJU_CMC.ID05277.hairpin	15153	10	+	20343101	20343173
TJU_CMC.ID05278.hairpin	15154	10	-	20428887	20428959
TJU_CMC.ID05279.hairpin	15155	10	-	21373080	21373150
TJU_CMC.ID05280.hairpin	15156	10	-	21406750	21406823
TJU_CMC.ID05281.hairpin	15157	10	-	22498476	22498546
TJU_CMC.ID05282.hairpin	15158	10	-	22524279	22524351
TJU_CMC.ID05283.hairpin	15159	10	-	22615367	22615436
TJU_CMC.ID05284.hairpin	15160	10	+	23265907	23265980
TJU_CMC.ID05285.hairpin	15161	10	-	23467746	23467818
TJU_CMC.ID05286.hairpin	15162	10	+	23768990	23769061
TJU_CMC.ID05287.hairpin	15163	10	-	23837494	23837564
TJU_CMC.ID05288.hairpin	15164	10	-	24458275	24458348
TJU_CMC.ID05289.hairpin	15165	10	-	24497819	24497892
TJU_CMC.ID05290.hairpin	15166	10	+	25528905	25528974
TJU_CMC.ID05291.hairpin	15167	10	-	25531907	25531976
TJU_CMC.ID05292.hairpin	15168	10	+	26074154	26074225
TJU_CMC.ID05293.hairpin	15169	10	-	26500857	26500929
TJU_CMC.ID05294.hairpin	15170	10	+	26998601	26998670
TJU_CMC.ID05295.hairpin	15171	10	+	27173516	27173587
TJU_CMC.ID05296.hairpin	15172	10	-	27702840	27702910
TJU_CMC.ID05297.hairpin	15173	10	+	27874763	27874836
TJU_CMC.ID05298.hairpin	15174	10	+	27915256	27915328
TJU_CMC.ID05299.hairpin	15175	10	+	27951459	27951530
TJU_CMC.ID05300.hairpin	15176	10	-	28941893	28941965
TJU_CMC.ID05301.hairpin	15177	10	+	28943565	28943636
TJU_CMC.ID05302.hairpin	15178	10	+	29001227	29001298
TJU_CMC.ID05303.hairpin	15179	10	-	29115021	29115092
TJU_CMC.ID05304.hairpin	15180	10	+	29187781	29187853
TJU_CMC.ID05305.hairpin	15181	10	-	29259271	29259342

Table 1. Novel miRNA sequences

TJU_CMC.ID05306.hairpin	15182	10	-	29426179	29426252
TJU_CMC.ID05307.hairpin	15183	10	-	30466770	30466842
TJU_CMC.ID05308.hairpin	15184	10	+	30471409	30471481
TJU_CMC.ID05309.hairpin	15185	10	-	30614657	30614726
TJU_CMC.ID05310.hairpin	15186	10	+	31094313	31094386
TJU_CMC.ID05311.hairpin	15187	10	-	31107418	31107488
TJU_CMC.ID05312.hairpin	15188	10	+	31471272	31471342
TJU_CMC.ID05313.hairpin	15189	10	-	31640294	31640364
TJU_CMC.ID05314.hairpin	15190	10	-	32229913	32229984
TJU_CMC.ID05315.hairpin	15191	10	-	32448137	32448208
TJU_CMC.ID05316.hairpin	15192	10	-	32865351	32865423
TJU_CMC.ID05317.hairpin	15193	10	-	32898104	32898175
TJU_CMC.ID05318.hairpin	15194	10	+	33511131	33511203
TJU_CMC.ID05319.hairpin	15195	10	+	33636177	33636249
TJU_CMC.ID05320.hairpin	15196	10	-	33756741	33756811
TJU_CMC.ID05321.hairpin	15197	10	-	34049882	34049953
TJU_CMC.ID05322.hairpin	15198	10	-	34397339	34397412
TJU_CMC.ID05323.hairpin	15199	10	+	34423929	34423998
TJU_CMC.ID05324.hairpin	15200	10	+	34470590	34470662
TJU_CMC.ID05325.hairpin	15201	10	-	34833511	34833582
TJU_CMC.ID05326.hairpin	15202	10	+	35046545	35046618
TJU_CMC.ID05327.hairpin	15203	10	+	35155249	35155322
TJU_CMC.ID05328.hairpin	15204	10	+	35746260	35746329
TJU_CMC.ID05329.hairpin	15205	10	-	35930194	35930263
TJU_CMC.ID05330.hairpin	15206	10	+	36008168	36008241
TJU_CMC.ID05331.hairpin	15207	10	-	36359054	36359126
TJU_CMC.ID05332.hairpin	15208	10	+	36366798	36366867
TJU_CMC.ID05333.hairpin	15209	10	+	36508784	36508856
TJU_CMC.ID05334.hairpin	15210	10	+	36853640	36853710
TJU_CMC.ID05335.hairpin	15211	10	+	36879118	36879189
TJU_CMC.ID05336.hairpin	15212	10	+	37269924	37269993

Table 1. Novel miRNA sequences

TJU_CMC.ID05337.hairpin	15213	10	+	38149872	38149943
TJU_CMC.ID05338.hairpin	15214	10	+	38639206	38639277
TJU_CMC.ID05339.hairpin	15215	10	+	42737975	42738045
TJU_CMC.ID05340.hairpin	15216	10	-	43063000	43063071
TJU_CMC.ID05341.hairpin	15217	10	-	43083329	43083400
TJU_CMC.ID05342.hairpin	15218	10	+	43368961	43369032
TJU_CMC.ID05343.hairpin	15219	10	-	43536284	43536353
TJU_CMC.ID05344.hairpin	15220	10	-	43549568	43549639
TJU_CMC.ID05345.hairpin	15221	10	-	43626326	43626398
TJU_CMC.ID05346.hairpin	15222	10	-	43789533	43789602
TJU_CMC.ID05347.hairpin	15223	10	+	44442016	44442087
TJU_CMC.ID05348.hairpin	15224	10	+	44452706	44452779
TJU_CMC.ID05349.hairpin	15225	10	+	44506203	44506275
TJU_CMC.ID05350.hairpin	15226	10	+	44908372	44908444
TJU_CMC.ID05351.hairpin	15227	10	+	45217216	45217288
TJU_CMC.ID05352.hairpin	15228	10	-	48416427	48416497
TJU_CMC.ID05353.hairpin	15229	10	+	48425524	48425593
TJU_CMC.ID05354.hairpin	15230	10	-	48499582	48499654
TJU_CMC.ID05355.hairpin	15231	10	-	49699030	49699099
TJU_CMC.ID05356.hairpin	15232	10	-	49883653	49883724
TJU_CMC.ID05357.hairpin	15233	10	-	50013964	50014037
TJU_CMC.ID05358.hairpin	15234	10	-	50185963	50186032
TJU_CMC.ID05359.hairpin	15235	10	-	50711884	50711953
TJU_CMC.ID05360.hairpin	15236	10	+	50921776	50921848
TJU_CMC.ID05361.hairpin	15237	10	+	51037042	51037114
TJU_CMC.ID05362.hairpin	15238	10	+	52158670	52158742
TJU_CMC.ID05363.hairpin	15239	10	-	52995284	52995355
TJU_CMC.ID05364.hairpin	15240	10	-	53079530	53079602
TJU_CMC.ID05365.hairpin	15241	10	-	53615889	53615962
TJU_CMC.ID05366.hairpin	15242	10	+	54061871	54061940
TJU_CMC.ID05367.hairpin	15243	10	-	54330965	54331038

Table 1. Novel miRNA sequences

TJU_CMC.ID05368.hairpin	15244	10	-	54594039	54594112
TJU_CMC.ID05369.hairpin	15245	10	-	54937222	54937294
TJU_CMC.ID05370.hairpin	15246	10	+	55055555	55055626
TJU_CMC.ID05371.hairpin	15247	10	-	55371582	55371653
TJU_CMC.ID05372.hairpin	15248	10	-	56789216	56789286
TJU_CMC.ID05373.hairpin	15249	10	+	56875055	56875124
TJU_CMC.ID05374.hairpin	15250	10	-	56882339	56882410
TJU_CMC.ID05375.hairpin	15251	10	+	56937125	56937198
TJU_CMC.ID05376.hairpin	15252	10	+	57049572	57049645
TJU_CMC.ID05377.hairpin	15253	10	+	57088542	57088612
TJU_CMC.ID05378.hairpin	15254	10	+	57173953	57174024
TJU_CMC.ID05379.hairpin	15255	10	+	58746331	58746404
TJU_CMC.ID05380.hairpin	15256	10	+	59024214	59024286
TJU_CMC.ID05381.hairpin	15257	10	-	59161622	59161693
TJU_CMC.ID05382.hairpin	15258	10	+	59207231	59207304
TJU_CMC.ID05383.hairpin	15259	10	-	59284944	59285014
TJU_CMC.ID05384.hairpin	15260	10	+	59576437	59576507
TJU_CMC.ID05385.hairpin	15261	10	-	59830894	59830964
TJU_CMC.ID05386.hairpin	15262	10	+	59831298	59831369
TJU_CMC.ID05387.hairpin	15263	10	-	59942776	59942845
TJU_CMC.ID05388.hairpin	15264	10	-	60001278	60001348
TJU_CMC.ID05389.hairpin	15265	10	+	60322809	60322881
TJU_CMC.ID05390.hairpin	15266	10	+	60648537	60648607
TJU_CMC.ID05391.hairpin	15267	10	+	61666141	61666214
TJU_CMC.ID05392.hairpin	15268	10	+	61846223	61846292
TJU_CMC.ID05393.hairpin	15269	10	-	62032748	62032820
TJU_CMC.ID05394.hairpin	15270	10	-	62221625	62221697
TJU_CMC.ID05395.hairpin	15271	10	+	62429570	62429642
TJU_CMC.ID05396.hairpin	15272	10	+	62875933	62876004
TJU_CMC.ID05397.hairpin	15273	10	+	62920652	62920723
TJU_CMC.ID05398.hairpin	15274	10	-	63203808	63203879

Table 1. Novel miRNA sequences

TJU_CMC.ID05399.hairpin	15275	10	-	63422737	63422806
TJU_CMC.ID05400.hairpin	15276	10	+	63493988	63494059
TJU_CMC.ID05401.hairpin	15277	10	+	63546936	63547005
TJU_CMC.ID05402.hairpin	15278	10	-	63590565	63590634
TJU_CMC.ID05403.hairpin	15279	10	-	63905169	63905238
TJU_CMC.ID05404.hairpin	15280	10	+	64273276	64273349
TJU_CMC.ID05405.hairpin	15281	10	-	64578907	64578976
TJU_CMC.ID05406.hairpin	15282	10	-	65367228	65367301
TJU_CMC.ID05407.hairpin	15283	10	-	65511563	65511634
TJU_CMC.ID05408.hairpin	15284	10	+	65771151	65771222
TJU_CMC.ID05409.hairpin	15285	10	-	65791685	65791756
TJU_CMC.ID05410.hairpin	15286	10	+	65878092	65878164
TJU_CMC.ID05411.hairpin	15287	10	+	66061914	66061983
TJU_CMC.ID05412.hairpin	15288	10	+	66648218	66648287
TJU_CMC.ID05413.hairpin	15289	10	-	66799648	66799717
TJU_CMC.ID05414.hairpin	15290	10	-	67012533	67012605
TJU_CMC.ID05415.hairpin	15291	10	+	67173670	67173743
TJU_CMC.ID05416.hairpin	15292	10	+	67519264	67519335
TJU_CMC.ID05417.hairpin	15293	10	+	67875884	67875953
TJU_CMC.ID05418.hairpin	15294	10	-	67978340	67978413
TJU_CMC.ID05419.hairpin	15295	10	+	69685562	69685635
TJU_CMC.ID05420.hairpin	15296	10	-	69902686	69902757
TJU_CMC.ID05421.hairpin	15297	10	+	70467417	70467486
TJU_CMC.ID05422.hairpin	15298	10	+	70496926	70496999
TJU_CMC.ID05423.hairpin	15299	10	+	70563044	70563117
TJU_CMC.ID05424.hairpin	15300	10	+	70601398	70601471
TJU_CMC.ID05425.hairpin	15301	10	-	70637542	70637614
TJU_CMC.ID05426.hairpin	15302	10	-	70945815	70945885
TJU_CMC.ID05427.hairpin	15303	10	-	71160556	71160629
TJU_CMC.ID05428.hairpin	15304	10	+	71573042	71573114
TJU_CMC.ID05429.hairpin	15305	10	-	71591687	71591757

Table 1. Novel miRNA sequences

TJU_CMC.ID05430.hairpin	15306	10	+	71683886	71683955
TJU_CMC.ID05431.hairpin	15307	10	+	71892333	71892402
TJU_CMC.ID05432.hairpin	15308	10	-	72068406	72068477
TJU_CMC.ID05433.hairpin	15309	10	+	72275219	72275292
TJU_CMC.ID05434.hairpin	15310	10	-	72334078	72334149
TJU_CMC.ID05435.hairpin	15311	10	+	72612346	72612418
TJU_CMC.ID05436.hairpin	15312	10	-	72692334	72692403
TJU_CMC.ID05437.hairpin	15313	10	-	72788710	72788781
TJU_CMC.ID05438.hairpin	15314	10	-	73103306	73103375
TJU_CMC.ID05439.hairpin	15315	10	-	73543064	73543136
TJU_CMC.ID05440.hairpin	15316	10	-	73806794	73806864
TJU_CMC.ID05441.hairpin	15317	10	-	73814443	73814514
TJU_CMC.ID05442.hairpin	15318	10	+	73855682	73855755
TJU_CMC.ID05443.hairpin	15319	10	-	74041023	74041092
TJU_CMC.ID05444.hairpin	15320	10	-	74092911	74092982
TJU_CMC.ID05445.hairpin	15321	10	+	74527120	74527191
TJU_CMC.ID05446.hairpin	15322	10	-	74881677	74881746
TJU_CMC.ID05447.hairpin	15323	10	-	75475897	75475966
TJU_CMC.ID05448.hairpin	15324	10	+	75701310	75701382
TJU_CMC.ID05449.hairpin	15325	10	+	75846469	75846539
TJU_CMC.ID05450.hairpin	15326	10	+	76273766	76273838
TJU_CMC.ID05451.hairpin	15327	10	+	76354599	76354669
TJU_CMC.ID05452.hairpin	15328	10	+	76803573	76803644
TJU_CMC.ID05453.hairpin	15329	10	+	76945482	76945551
TJU_CMC.ID05454.hairpin	15330	10	+	76985952	76986024
TJU_CMC.ID05455.hairpin	15331	10	-	77164543	77164615
TJU_CMC.ID05456.hairpin	15332	10	-	77369703	77369772
TJU_CMC.ID05457.hairpin	15333	10	+	77536006	77536077
TJU_CMC.ID05458.hairpin	15334	10	-	77563324	77563395
TJU_CMC.ID05459.hairpin	15335	10	+	78002432	78002504
TJU_CMC.ID05460.hairpin	15336	10	+	78082148	78082221

Table 1. Novel miRNA sequences

TJU_CMC.ID05461.hairpin	15337	10	+	78815004	78815075	
TJU_CMC.ID05462.hairpin	15338	10	+	79177240	79177311	
TJU_CMC.ID05463.hairpin	15339	10	+	79596422	79596491	
TJU_CMC.ID05464.hairpin	15340	10	+	79609214	79609283	
TJU_CMC.ID05465.hairpin	15341	10	-	79683527	79683599	
TJU_CMC.ID05466.hairpin	15342	10	-	79890379	79890450	
TJU_CMC.ID05467.hairpin	15343	10	+	79911763	79911834	
TJU_CMC.ID05468.hairpin	15344	10	-	80063155	80063228	
TJU_CMC.ID05469.hairpin	15345	10	+	80615310	80615381	
TJU_CMC.ID05470.hairpin	15346	10	-	80823899	80823972	
TJU_CMC.ID05471.hairpin	15347	10	+	80874995	80875066	
TJU_CMC.ID05472.hairpin	15348	10	+	80942014	80942086	
TJU_CMC.ID05473.hairpin	15349	10	+	80991417	80991488	
TJU_CMC.ID05474.hairpin	15350	10	-	81185845	81185914	
TJU_CMC.ID05475.hairpin	15351	10	+	81964289	81964359	
TJU_CMC.ID05476.hairpin	15352	10	-	82181553	82181624	
TJU_CMC.ID05477.hairpin	15353	10	+	82246407	82246477	
TJU_CMC.ID05478.hairpin	15354	10	-	83244580	83244651	
TJU_CMC.ID05479.hairpin	15355	10	-	83280690	83280762	
TJU_CMC.ID05480.hairpin	15356	10	+	83796836	83796907	
TJU_CMC.ID05481.hairpin	15357	10	+	83973615	83973687	
TJU_CMC.ID05482.hairpin	15358	10	-	84728886	84728958	
TJU_CMC.ID05483.hairpin	15359	10	+	85272000	85272071	
TJU_CMC.ID05484.hairpin	15360	10	+	85576832	85576901	
TJU_CMC.ID05485.hairpin	15361	10	+	85674666	85674737	
TJU_CMC.ID05486.hairpin	15362	10	+	86427023	86427095	
TJU_CMC.ID05487.hairpin	15363	10	+	86750255	86750328	
TJU_CMC.ID05488.hairpin	15364	10	-	87045663	87045736	
TJU_CMC.ID05489.hairpin	15365	10	+	87053779	87053851	
TJU_CMC.ID05490.hairpin	15366	10	-	87983149	87983221	
TJU_CMC.ID05491.hairpin	15367	10	-	88084251	88084322	

Table 1. Novel miRNA sequences

TJU_CMC.ID05492.hairpin	15368	10	+	89124801	89124870
TJU_CMC.ID05493.hairpin	15369	10	+	90028506	90028578
TJU_CMC.ID05494.hairpin	15370	10	+	90482418	90482487
TJU_CMC.ID05495.hairpin	15371	10	-	90542225	90542294
TJU_CMC.ID05496.hairpin	15372	10	-	90564820	90564892
TJU_CMC.ID05497.hairpin	15373	10	-	90570912	90570981
TJU_CMC.ID05498.hairpin	15374	10	-	90769732	90769804
TJU_CMC.ID05499.hairpin	15375	10	+	90787940	90788011
TJU_CMC.ID05500.hairpin	15376	10	-	91274465	91274537
TJU_CMC.ID05501.hairpin.ID=MI0000114;Alias=MI0000114;Name=hsa-mir-107	15377	10	-	91352504	91352584
TJU_CMC.ID05502.hairpin	15378	10	-	92107944	92108017
TJU_CMC.ID05503.hairpin	15379	10	-	92757247	92757316
TJU_CMC.ID05504.hairpin	15380	10	-	93069394	93069467
TJU_CMC.ID05505.hairpin	15381	10	-	93115885	93115954
TJU_CMC.ID05506.hairpin	15382	10	-	93599379	93599450
TJU_CMC.ID05507.hairpin	15383	10	-	93694263	93694333
TJU_CMC.ID05508.hairpin	15384	10	-	93778163	93778234
TJU_CMC.ID05509.hairpin	15385	10	-	94164291	94164360
TJU_CMC.ID05510.hairpin	15386	10	+	94173828	94173900
TJU_CMC.ID05511.hairpin	15387	10	-	94224793	94224864
TJU_CMC.ID05512.hairpin	15388	10	-	94806648	94806719
TJU_CMC.ID05513.hairpin	15389	10	+	94822632	94822702
TJU_CMC.ID05514.hairpin	15390	10	-	94822761	94822833
TJU_CMC.ID05515.hairpin	15391	10	+	95214402	95214472
TJU_CMC.ID05516.hairpin	15392	10	-	95368061	95368130
TJU_CMC.ID05517.hairpin	15393	10	+	95662485	95662557
TJU_CMC.ID05518.hairpin	15394	10	+	96198002	96198071
TJU_CMC.ID05519.hairpin	15395	10	+	96221432	96221502
TJU_CMC.ID05520.hairpin	15396	10	-	96427795	96427866

Table 1. Novel miRNA sequences

TJU_CMC.ID05521.hairpin	15397	10	-	96936506	96936577
TJU_CMC.ID05522.hairpin	15398	10	-	96937593	96937666
TJU_CMC.ID05523.hairpin	15399	10	-	97168210	97168283
TJU_CMC.ID05524.hairpin	15400	10	-	97216983	97217053
TJU_CMC.ID05525.hairpin	15401	10	+	97320556	97320626
TJU_CMC.ID05526.hairpin	15402	10	+	97490634	97490705
TJU_CMC.ID05527.hairpin	15403	10	-	97833065	97833137
TJU_CMC.ID05528.hairpin	15404	10	+	98000872	98000945
TJU_CMC.ID05529.hairpin	15405	10	+	98178648	98178721
TJU_CMC.ID05530.hairpin	15406	10	+	98593002	98593075
TJU_CMC.ID05531.hairpin	15407	10	-	98905705	98905776
TJU_CMC.ID05532.hairpin	15408	10	+	99083841	99083910
TJU_CMC.ID05533.hairpin	15409	10	+	99190090	99190162
TJU_CMC.ID05534.hairpin	15410	10	-	99299593	99299665
TJU_CMC.ID05535.hairpin	15411	10	-	99439377	99439447
TJU_CMC.ID05536.hairpin	15412	10	+	99875343	99875414
TJU_CMC.ID05537.hairpin	15413	10	-	100016388	100016458
TJU_CMC.ID05538.hairpin	15414	10	+	100082167	100082239
TJU_CMC.ID05539.hairpin	15415	10	-	100227713	100227783
TJU_CMC.ID05540.hairpin	15416	10	-	100285828	100285899
TJU_CMC.ID05541.hairpin	15417	10	+	100407927	100408000
TJU_CMC.ID05542.hairpin	15418	10	-	100711724	100711793
TJU_CMC.ID05543.hairpin	15419	10	+	101128569	101128640
TJU_CMC.ID05544.hairpin	15420	10	+	101315988	101316060
TJU_CMC.ID05545.hairpin	15421	10	-	101391904	101391973
TJU_CMC.ID05546.hairpin	15422	10	-	101688431	101688500
TJU_CMC.ID05547.hairpin	15423	10	-	102286586	102286658
TJU_CMC.ID05548.hairpin	15424	10	-	102317591	102317661
TJU_CMC.ID05549.hairpin	15425	10	-	102394234	102394305
TJU_CMC.ID05550.hairpin	15426	10	-	102433492	102433561
TJU_CMC.ID05551.hairpin	15427	10	-	102612045	102612115

Table 1. Novel miRNA sequences

TJU_CMC.ID05552.hairpin	15428	10	+	102867225	102867298
TJU_CMC.ID05553.hairpin	15429	10	-	103405019	103405088
TJU_CMC.ID05554.hairpin	15430	10	+	103542662	103542735
TJU_CMC.ID05555.hairpin	15431	10	-	103835794	103835866
TJU_CMC.ID05556.hairpin	15432	10	-	103849302	103849373
TJU_CMC.ID05557.hairpin	15433	10	-	104093051	104093121
TJU_CMC.ID05558.hairpin	15434	10	+	104180582	104180654
TJU_CMC.ID05559.hairpin	15435	10	+	104360326	104360397
TJU_CMC.ID05560.hairpin	15436	10	-	105495824	105495893
TJU_CMC.ID05561.hairpin	15437	10	-	105584171	105584241
TJU_CMC.ID05562.hairpin	15438	10	-	105601261	105601333
TJU_CMC.ID05563.hairpin	15439	10	+	105953596	105953665
TJU_CMC.ID05564.hairpin	15440	10	-	105965331	105965402
TJU_CMC.ID05565.hairpin	15441	10	-	106349764	106349836
TJU_CMC.ID05566.hairpin	15442	10	+	106354860	106354929
TJU_CMC.ID05567.hairpin	15443	10	+	106551488	106551559
TJU_CMC.ID05568.hairpin	15444	10	-	106700221	106700292
TJU_CMC.ID05569.hairpin	15445	10	+	106749337	106749410
TJU_CMC.ID05570.hairpin	15446	10	+	106961194	106961266
TJU_CMC.ID05571.hairpin	15447	10	-	107051962	107052032
TJU_CMC.ID05572.hairpin	15448	10	-	107257824	107257895
TJU_CMC.ID05573.hairpin	15449	10	+	107425611	107425682
TJU_CMC.ID05574.hairpin	15450	10	+	107589485	107589558
TJU_CMC.ID05575.hairpin	15451	10	-	107846752	107846823
TJU_CMC.ID05576.hairpin	15452	10	+	108112412	108112481
TJU_CMC.ID05577.hairpin	15453	10	+	108698001	108698073
TJU_CMC.ID05578.hairpin	15454	10	+	108748116	108748189
TJU_CMC.ID05579.hairpin	15455	10	+	109029846	109029916
TJU_CMC.ID05580.hairpin	15456	10	+	109096430	109096501
TJU_CMC.ID05581.hairpin	15457	10	+	109287053	109287123
TJU_CMC.ID05582.hairpin	15458	10	-	110919782	110919853

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TJU_CMC.ID05583.hairpin	15459	10	+	111459803	111459873	
TJU_CMC.ID05584.hairpin	15460	10	-	112340864	112340935	
TJU_CMC.ID05585.hairpin	15461	10	+	112852055	112852128	
TJU_CMC.ID05586.hairpin	15462	10	+	112860750	112860819	
TJU_CMC.ID05587.hairpin	15463	10	+	113300334	113300403	
TJU_CMC.ID05588.hairpin	15464	10	+	113492619	113492691	
TJU_CMC.ID05589.hairpin	15465	10	+	113892913	113892985	
TJU_CMC.ID05590.hairpin	15466	10	-	113906771	113906844	
TJU_CMC.ID05591.hairpin	15467	10	+	114649745	114649816	
TJU_CMC.ID05592.hairpin	15468	10	+	114808273	114808342	
TJU_CMC.ID05593.hairpin	15469	10	+	115029555	115029626	
TJU_CMC.ID05594.hairpin	15470	10	+	115548353	115548425	
TJU_CMC.ID05595.hairpin.ID=MI0010629;Alias=MI0010629;Name=hsa-mir-2110	15471	10	-	115933864	115933938	
TJU_CMC.ID05596.hairpin	15472	10	+	116757578	116757649	
TJU_CMC.ID05597.hairpin	15473	10	-	117034955	117035024	
TJU_CMC.ID05598.hairpin	15474	10	-	117237465	117237535	
TJU_CMC.ID05599.hairpin	15475	10	-	117584412	117584485	
TJU_CMC.ID05600.hairpin	15476	10	+	117597204	117597275	
TJU_CMC.ID05601.hairpin	15477	10	+	117877291	117877360	
TJU_CMC.ID05602.hairpin	15478	10	-	118371334	118371403	
TJU_CMC.ID05603.hairpin	15479	10	+	118898294	118898363	
TJU_CMC.ID05604.hairpin	15480	10	-	119345213	119345285	
TJU_CMC.ID05605.hairpin	15481	10	+	119576516	119576587	
TJU_CMC.ID05606.hairpin	15482	10	+	119612571	119612643	
TJU_CMC.ID05607.hairpin	15483	10	-	119775457	119775527	
TJU_CMC.ID05608.hairpin	15484	10	-	120279494	120279565	
TJU_CMC.ID05609.hairpin	15485	10	-	120485925	120485996	
TJU_CMC.ID05610.hairpin	15486	10	-	120493163	120493235	
TJU_CMC.ID05611.hairpin	15487	10	-	120698242	120698313	

Table 1. Novel miRNA sequences

TJU_CMC.ID05612.hairpin	15488	10	-	120819517	120819592	
TJU_CMC.ID05613.hairpin	15489	10	-	121113790	121113861	
TJU_CMC.ID05614.hairpin	15490	10	-	121214515	121214586	
TJU_CMC.ID05615.hairpin	15491	10	-	121634736	121634809	
TJU_CMC.ID05616.hairpin	15492	10	-	121986692	121986764	
TJU_CMC.ID05617.hairpin	15493	10	-	122475538	122475609	
TJU_CMC.ID05618.hairpin	15494	10	-	122650089	122650159	
TJU_CMC.ID05619.hairpin	15495	10	+	123327725	123327794	
TJU_CMC.ID05620.hairpin	15496	10	-	123858840	123858913	
TJU_CMC.ID05621.hairpin	15497	10	+	123910269	123910338	
TJU_CMC.ID05622.hairpin	15498	10	-	123927006	123927078	
TJU_CMC.ID05623.hairpin	15499	10	-	124024905	124024975	
TJU_CMC.ID05624.hairpin	15500	10	-	124122813	124122886	
TJU_CMC.ID05625.hairpin	15501	10	-	124176497	124176570	
TJU_CMC.ID05626.hairpin	15502	10	-	124756324	124756393	
TJU_CMC.ID05627.hairpin	15503	10	+	124756327	124756397	
TJU_CMC.ID05628.hairpin	15504	10	-	126413363	126413436	
TJU_CMC.ID05629.hairpin	15505	10	-	126659882	126659954	
TJU_CMC.ID05630.hairpin	15506	10	-	126738245	126738316	
TJU_CMC.ID05631.hairpin	15507	10	+	126900675	126900746	
TJU_CMC.ID05632.hairpin	15508	10	+	126991380	126991451	
TJU_CMC.ID05633.hairpin	15509	10	+	127295111	127295182	
TJU_CMC.ID05634.hairpin	15510	10	+	127487051	127487124	
TJU_CMC.ID05635.hairpin	15511	10	+	127664735	127664806	
TJU_CMC.ID05636.hairpin	15512	10	+	127750130	127750201	
TJU_CMC.ID05637.hairpin	15513	10	-	128242441	128242512	
TJU_CMC.ID05638.hairpin	15514	10	-	128316638	128316708	
TJU_CMC.ID05639.hairpin	15515	10	+	128332567	128332640	
TJU_CMC.ID05640.hairpin	15516	10	-	128385350	128385420	
TJU_CMC.ID05641.hairpin	15517	10	-	128422727	128422800	
TJU_CMC.ID05642.hairpin	15518	10	-	128862590	128862663	

Table 1. Novel miRNA sequences

TJU_CMC.ID05643.hairpin	15519	10	-	129329889	129329962	
TJU_CMC.ID05644.hairpin	15520	10	+	129473344	129473416	
TJU_CMC.ID05645.hairpin	15521	10	-	129614367	129614439	
TJU_CMC.ID05646.hairpin	15522	10	-	129632992	129633065	
TJU_CMC.ID05647.hairpin	15523	10	+	129651985	129652055	
TJU_CMC.ID05648.hairpin	15524	10	-	129863649	129863720	
TJU_CMC.ID05649.hairpin	15525	10	+	130218545	130218618	
TJU_CMC.ID05650.hairpin	15526	10	+	130536001	130536071	
TJU_CMC.ID05651.hairpin	15527	10	-	131048236	131048307	
TJU_CMC.ID05652.hairpin	15528	10	+	131452574	131452647	
TJU_CMC.ID05653.hairpin	15529	10	-	131564095	131564167	
TJU_CMC.ID05654.hairpin	15530	10	+	131567054	131567126	
TJU_CMC.ID05655.hairpin	15531	10	+	131903655	131903726	
TJU_CMC.ID05656.hairpin	15532	10	-	132092331	132092400	
TJU_CMC.ID05657.hairpin	15533	10	+	132409285	132409358	
TJU_CMC.ID05658.hairpin	15534	10	+	133065477	133065549	
TJU_CMC.ID05659.hairpin	15535	10	+	133257919	133257991	
TJU_CMC.ID05660.hairpin	15536	10	-	133605598	133605668	
TJU_CMC.ID05661.hairpin	15537	10	-	133917444	133917517	
TJU_CMC.ID05662.hairpin	15538	10	-	133966663	133966734	
TJU_CMC.ID05663.hairpin	15539	10	+	134018328	134018400	
TJU_CMC.ID05664.hairpin	15540	10	-	134181045	134181117	
TJU_CMC.ID05665.hairpin	15541	10	-	134193803	134193873	
TJU_CMC.ID05666.hairpin	15542	10	+	134211878	134211947	
TJU_CMC.ID05667.hairpin	15543	10	+	134604994	134605067	
TJU_CMC.ID05668.hairpin	15544	10	+	134630577	134630649	
TJU_CMC.ID05669.hairpin	15545	10	+	134699046	134699119	
TJU_CMC.ID05670.hairpin	15546	10	-	134701946	134702017	
TJU_CMC.ID05671.hairpin	15547	10	-	134903775	134903844	
TJU_CMC.ID05672.hairpin	15548	11	+	452126	452196	
TJU_CMC.ID05673.hairpin	15549	11	-	618840	618909	

Table 1. Novel miRNA sequences

TJU_CMC.ID05674.hairpin	15550	11	+	646102	646171
TJU_CMC.ID05675.hairpin	15551	11	+	811676	811747
TJU_CMC.ID05676.hairpin	15552	11	+	910670	910743
TJU_CMC.ID05677.hairpin	15553	11	+	993068	993140
TJU_CMC.ID05678.hairpin	15554	11	+	1357512	1357581
TJU_CMC.ID05679.hairpin	15555	11	+	1449616	1449689
TJU_CMC.ID05680.hairpin	15556	11	-	1582620	1582689
TJU_CMC.ID05681.hairpin	15557	11	-	1719676	1719745
TJU_CMC.ID05682.hairpin	15558	11	+	2001328	2001398
TJU_CMC.ID05683.hairpin	15559	11	-	2221593	2221665
TJU_CMC.ID05684.hairpin	15560	11	+	2337739	2337811
TJU_CMC.ID05685.hairpin	15561	11	+	2342071	2342142
TJU_CMC.ID05686.hairpin	15562	11	+	2455027	2455100
TJU_CMC.ID05687.hairpin	15563	11	+	2761765	2761837
TJU_CMC.ID05688.hairpin	15564	11	+	2842831	2842901
TJU_CMC.ID05689.hairpin	15565	11	-	2935926	2935998
TJU_CMC.ID05690.hairpin	15566	11	-	3063418	3063489
TJU_CMC.ID05691.hairpin	15567	11	+	5180711	5180781
TJU_CMC.ID05692.hairpin	15568	11	+	5484947	5485018
TJU_CMC.ID05693.hairpin	15569	11	+	6044355	6044425
TJU_CMC.ID05694.hairpin	15570	11	-	6116138	6116209
TJU_CMC.ID05695.hairpin	15571	11	-	6129530	6129603
TJU_CMC.ID05696.hairpin	15572	11	-	6260092	6260165
TJU_CMC.ID05697.hairpin	15573	11	-	7078956	7079029
TJU_CMC.ID05698.hairpin	15574	11	+	7110804	7110877
TJU_CMC.ID05699.hairpin	15575	11	+	7523759	7523831
TJU_CMC.ID05700.hairpin	15576	11	+	7541263	7541336
TJU_CMC.ID05701.hairpin	15577	11	+	7794919	7794988
TJU_CMC.ID05702.hairpin	15578	11	+	7959551	7959622
TJU_CMC.ID05703.hairpin	15579	11	+	8235940	8236011
TJU_CMC.ID05704.hairpin	15580	11	+	8463913	8463982

Table 1. Novel miRNA sequences

TJU_CMC.ID05705.hairpin	15581	11	+	8509186	8509259
TJU_CMC.ID05706.hairpin	15582	11	-	8747743	8747815
TJU_CMC.ID05707.hairpin	15583	11	+	8760474	8760547
TJU_CMC.ID05708.hairpin	15584	11	-	9294925	9294995
TJU_CMC.ID05709.hairpin	15585	11	+	10089625	10089694
TJU_CMC.ID05710.hairpin	15586	11	-	10336359	10336428
TJU_CMC.ID05711.hairpin	15587	11	-	10380270	10380339
TJU_CMC.ID05712.hairpin	15588	11	-	10505398	10505469
TJU_CMC.ID05713.hairpin	15589	11	-	10691791	10691863
TJU_CMC.ID05714.hairpin	15590	11	-	10764570	10764641
TJU_CMC.ID05715.hairpin	15591	11	-	10808157	10808230
TJU_CMC.ID05716.hairpin	15592	11	-	10837544	10837615
TJU_CMC.ID05717.hairpin	15593	11	+	11195160	11195233
TJU_CMC.ID05718.hairpin	15594	11	+	11261295	11261367
TJU_CMC.ID05719.hairpin	15595	11	-	11288273	11288342
TJU_CMC.ID05720.hairpin	15596	11	-	11553672	11553743
TJU_CMC.ID05721.hairpin	15597	11	-	11782089	11782159
TJU_CMC.ID05722.hairpin	15598	11	-	12009606	12009678
TJU_CMC.ID05723.hairpin	15599	11	-	12031255	12031326
TJU_CMC.ID05724.hairpin	15600	11	+	12031696	12031766
TJU_CMC.ID05725.hairpin	15601	11	+	12273672	12273741
TJU_CMC.ID05726.hairpin	15602	11	+	12314182	12314254
TJU_CMC.ID05727.hairpin	15603	11	+	12340213	12340283
TJU_CMC.ID05728.hairpin	15604	11	-	12420677	12420750
TJU_CMC.ID05729.hairpin	15605	11	-	13386862	13386933
TJU_CMC.ID05730.hairpin	15606	11	+	13422949	13423020
TJU_CMC.ID05731.hairpin	15607	11	+	13916935	13917004
TJU_CMC.ID05732.hairpin	15608	11	-	14055608	14055680
TJU_CMC.ID05733.hairpin	15609	11	-	14079606	14079676
TJU_CMC.ID05734.hairpin	15610	11	+	14464592	14464664
TJU_CMC.ID05735.hairpin	15611	11	-	14665143	14665213

Table 1. Novel miRNA sequences

TJU_CMC.ID05736.hairpin	15612	11	+	14707250	14707320
TJU_CMC.ID05737.hairpin	15613	11	+	14929084	14929155
TJU_CMC.ID05738.hairpin	15614	11	+	15182269	15182342
TJU_CMC.ID05739.hairpin	15615	11	+	15351923	15351994
TJU_CMC.ID05740.hairpin	15616	11	+	15392637	15392708
TJU_CMC.ID05741.hairpin	15617	11	-	15451124	15451193
TJU_CMC.ID05742.hairpin	15618	11	-	15598583	15598654
TJU_CMC.ID05743.hairpin	15619	11	+	15911333	15911404
TJU_CMC.ID05744.hairpin	15620	11	+	16174913	16174985
TJU_CMC.ID05745.hairpin	15621	11	-	16782589	16782659
TJU_CMC.ID05746.hairpin	15622	11	+	17025196	17025267
TJU_CMC.ID05747.hairpin	15623	11	+	17449858	17449928
TJU_CMC.ID05748.hairpin	15624	11	-	17607420	17607491
TJU_CMC.ID05749.hairpin	15625	11	+	17841844	17841916
TJU_CMC.ID05750.hairpin	15626	11	+	17922105	17922178
TJU_CMC.ID05751.hairpin	15627	11	-	18518405	18518474
TJU_CMC.ID05752.hairpin	15628	11	-	18525427	18525498
TJU_CMC.ID05753.hairpin	15629	11	+	19321001	19321073
TJU_CMC.ID05754.hairpin	15630	11	-	19377930	19378002
TJU_CMC.ID05755.hairpin	15631	11	-	19458661	19458733
TJU_CMC.ID05756.hairpin	15632	11	+	19572113	19572184
TJU_CMC.ID05757.hairpin	15633	11	-	19651168	19651241
TJU_CMC.ID05758.hairpin	15634	11	+	19963236	19963305
TJU_CMC.ID05759.hairpin	15635	11	+	20057122	20057194
TJU_CMC.ID05760.hairpin	15636	11	-	20091667	20091737
TJU_CMC.ID05761.hairpin	15637	11	-	20117106	20117175
TJU_CMC.ID05762.hairpin	15638	11	-	20410069	20410142
TJU_CMC.ID05763.hairpin	15639	11	-	20486195	20486266
TJU_CMC.ID05764.hairpin	15640	11	-	20559315	20559384
TJU_CMC.ID05765.hairpin	15641	11	-	20589855	20589924
TJU_CMC.ID05766.hairpin	15642	11	+	20823312	20823385

Table 1. Novel miRNA sequences

TJU_CMC.ID05767.hairpin	15643	11	-	21375091	21375163	
TJU_CMC.ID05768.hairpin	15644	11	+	21647928	21647997	
TJU_CMC.ID05769.hairpin	15645	11	-	21804186	21804257	
TJU_CMC.ID05770.hairpin	15646	11	-	21914691	21914763	
TJU_CMC.ID05771.hairpin	15647	11	-	22340236	22340309	
TJU_CMC.ID05772.hairpin	15648	11	-	22378992	22379063	
TJU_CMC.ID05773.hairpin	15649	11	-	22768269	22768341	
TJU_CMC.ID05774.hairpin	15650	11	+	22876633	22876702	
TJU_CMC.ID05775.hairpin	15651	11	-	23361171	23361244	
TJU_CMC.ID05776.hairpin	15652	11	+	23440483	23440554	
TJU_CMC.ID05777.hairpin	15653	11	+	23593970	23594043	
TJU_CMC.ID05778.hairpin	15654	11	+	24606934	24607005	
TJU_CMC.ID05779.hairpin	15655	11	-	24850044	24850116	
TJU_CMC.ID05780.hairpin	15656	11	-	25145812	25145883	
TJU_CMC.ID05781.hairpin	15657	11	-	25758759	25758829	
TJU_CMC.ID05782.hairpin	15658	11	+	25788296	25788369	
TJU_CMC.ID05783.hairpin	15659	11	+	26427364	26427435	
TJU_CMC.ID05784.hairpin	15660	11	-	26496516	26496588	
TJU_CMC.ID05785.hairpin	15661	11	+	27669101	27669173	
TJU_CMC.ID05786.hairpin	15662	11	-	28119943	28120013	
TJU_CMC.ID05787.hairpin	15663	11	-	28293143	28293213	
TJU_CMC.ID05788.hairpin	15664	11	+	28372588	28372657	
TJU_CMC.ID05789.hairpin	15665	11	+	28450153	28450224	
TJU_CMC.ID05790.hairpin	15666	11	+	28931647	28931720	
TJU_CMC.ID05791.hairpin	15667	11	-	29978872	29978945	
TJU_CMC.ID05792.hairpin	15668	11	+	30067906	30067978	
TJU_CMC.ID05793.hairpin	15669	11	-	30317365	30317438	
TJU_CMC.ID05794.hairpin	15670	11	+	30851783	30851852	
TJU_CMC.ID05795.hairpin	15671	11	+	31117002	31117075	
TJU_CMC.ID05796.hairpin	15672	11	+	31847325	31847398	
TJU_CMC.ID05797.hairpin	15673	11	+	32145988	32146060	

Table 1. Novel miRNA sequences

TJU_CMC.ID05798.hairpin	15674	11	+	32222014	32222087
TJU_CMC.ID05799.hairpin	15675	11	-	32702781	32702852
TJU_CMC.ID05800.hairpin	15676	11	-	33123862	33123933
TJU_CMC.ID05801.hairpin	15677	11	+	34092509	34092578
TJU_CMC.ID05802.hairpin	15678	11	+	34587108	34587180
TJU_CMC.ID05803.hairpin	15679	11	+	34615915	34615988
TJU_CMC.ID05804.hairpin	15680	11	+	34634637	34634708
TJU_CMC.ID05805.hairpin	15681	11	+	35140471	35140544
TJU_CMC.ID05806.hairpin	15682	11	+	35231194	35231266
TJU_CMC.ID05807.hairpin	15683	11	-	35268189	35268260
TJU_CMC.ID05808.hairpin	15684	11	-	35280535	35280606
TJU_CMC.ID05809.hairpin	15685	11	-	35425006	35425078
TJU_CMC.ID05810.hairpin	15686	11	-	35492516	35492588
TJU_CMC.ID05811.hairpin	15687	11	+	35831028	35831100
TJU_CMC.ID05812.hairpin	15688	11	+	36188388	36188457
TJU_CMC.ID05813.hairpin	15689	11	-	36284784	36284855
TJU_CMC.ID05814.hairpin	15690	11	-	36293339	36293409
TJU_CMC.ID05815.hairpin	15691	11	-	36828294	36828363
TJU_CMC.ID05816.hairpin	15692	11	-	37066050	37066122
TJU_CMC.ID05817.hairpin	15693	11	+	37069938	37070010
TJU_CMC.ID05818.hairpin	15694	11	-	38727403	38727475
TJU_CMC.ID05819.hairpin	15695	11	+	39234690	39234761
TJU_CMC.ID05820.hairpin	15696	11	-	39363147	39363216
TJU_CMC.ID05821.hairpin	15697	11	+	39686473	39686542
TJU_CMC.ID05822.hairpin	15698	11	-	39688354	39688424
TJU_CMC.ID05823.hairpin	15699	11	-	39946807	39946876
TJU_CMC.ID05824.hairpin	15700	11	+	40221346	40221418
TJU_CMC.ID05825.hairpin	15701	11	-	40390403	40390474
TJU_CMC.ID05826.hairpin	15702	11	-	40667051	40667124
TJU_CMC.ID05827.hairpin	15703	11	-	41026272	41026343
TJU_CMC.ID05828.hairpin	15704	11	+	41149327	41149397

Table 1. Novel miRNA sequences

TJU_CMC.ID05829.hairpin	15705	11	+	41872216	41872287
TJU_CMC.ID05830.hairpin	15706	11	+	41891336	41891408
TJU_CMC.ID05831.hairpin	15707	11	-	41924082	41924153
TJU_CMC.ID05832.hairpin	15708	11	+	42296265	42296337
TJU_CMC.ID05833.hairpin	15709	11	+	42761419	42761490
TJU_CMC.ID05834.hairpin	15710	11	+	42795604	42795676
TJU_CMC.ID05835.hairpin	15711	11	-	43184011	43184080
TJU_CMC.ID05836.hairpin	15712	11	-	43577513	43577584
TJU_CMC.ID05837.hairpin	15713	11	-	44557550	44557620
TJU_CMC.ID05838.hairpin	15714	11	+	44710908	44710979
TJU_CMC.ID05839.hairpin	15715	11	+	45260548	45260617
TJU_CMC.ID05840.hairpin	15716	11	-	45299476	45299546
TJU_CMC.ID05841.hairpin	15717	11	+	45643882	45643954
TJU_CMC.ID05842.hairpin	15718	11	+	45986936	45987006
TJU_CMC.ID05843.hairpin	15719	11	-	46744963	46745033
TJU_CMC.ID05844.hairpin	15720	11	+	47349354	47349427
TJU_CMC.ID05845.hairpin	15721	11	+	47436656	47436726
TJU_CMC.ID05846.hairpin	15722	11	+	48288215	48288286
TJU_CMC.ID05847.hairpin	15723	11	-	55242807	55242880
TJU_CMC.ID05848.hairpin	15724	11	+	55735354	55735423
TJU_CMC.ID05849.hairpin	15725	11	+	56015120	56015190
TJU_CMC.ID05850.hairpin	15726	11	-	56349504	56349575
TJU_CMC.ID05851.hairpin	15727	11	-	57000030	57000103
TJU_CMC.ID05852.hairpin	15728	11	+	57253769	57253840
TJU_CMC.ID05853.hairpin	15729	11	+	57696357	57696429
TJU_CMC.ID05854.hairpin	15730	11	+	58146199	58146268
TJU_CMC.ID05855.hairpin	15731	11	-	58399916	58399986
TJU_CMC.ID05856.hairpin	15732	11	-	58779550	58779621
TJU_CMC.ID05857.hairpin	15733	11	-	59023984	59024055
TJU_CMC.ID05858.hairpin	15734	11	+	59030699	59030768
TJU_CMC.ID05859.hairpin	15735	11	+	59373120	59373189

Table 1. Novel miRNA sequences

TJU_CMC.ID05860.hairpin	15736	11	+	59649522	59649595
TJU_CMC.ID05861.hairpin	15737	11	+	60675506	60675579
TJU_CMC.ID05862.hairpin	15738	11	-	60727927	60728000
TJU_CMC.ID05863.hairpin	15739	11	+	60929957	60930029
TJU_CMC.ID05864.hairpin	15740	11	-	61102714	61102784
TJU_CMC.ID05865.hairpin	15741	11	+	61327338	61327411
TJU_CMC.ID05866.hairpin	15742	11	+	61343990	61344063
TJU_CMC.ID05867.hairpin	15743	11	-	61367314	61367387
TJU_CMC.ID05868.hairpin	15744	11	-	61553759	61553829
TJU_CMC.ID05869.hairpin	15745	11	+	62325247	62325320
TJU_CMC.ID05870.hairpin	15746	11	+	62343505	62343574
TJU_CMC.ID05871.hairpin	15747	11	+	62435074	62435145
TJU_CMC.ID05872.hairpin	15748	11	-	62439650	62439723
TJU_CMC.ID05873.hairpin	15749	11	-	62460669	62460739
TJU_CMC.ID05874.hairpin	15750	11	-	62473742	62473811
TJU_CMC.ID05875.hairpin	15751	11	-	62599383	62599456
TJU_CMC.ID05876.hairpin	15752	11	-	62610026	62610099
TJU_CMC.ID05877.hairpin	15753	11	-	62622799	62622872
TJU_CMC.ID05878.hairpin	15754	11	-	62623077	62623148
TJU_CMC.ID05879.hairpin	15755	11	+	62756960	62757029
TJU_CMC.ID05880.hairpin	15756	11	+	62760359	62760431
TJU_CMC.ID05881.hairpin	15757	11	-	62824713	62824786
TJU_CMC.ID05882.hairpin	15758	11	-	63447296	63447365
TJU_CMC.ID05883.hairpin	15759	11	+	63530991	63531064
TJU_CMC.ID05884.hairpin	15760	11	-	63535871	63535944
TJU_CMC.ID05885.hairpin	15761	11	-	63714534	63714603
TJU_CMC.ID05886.hairpin	15762	11	+	63978458	63978529
TJU_CMC.ID05887.hairpin	15763	11	+	63987880	63987953
TJU_CMC.ID05888.hairpin	15764	11	+	64024022	64024095
TJU_CMC.ID05889.hairpin	15765	11	+	64074550	64074622
TJU_CMC.ID05890.hairpin	15766	11	-	64480370	64480441

Table 1. Novel miRNA sequences

TJU_CMC.ID05891.hairpin	15767	11	-	64507276	64507349
TJU_CMC.ID05892.hairpin	15768	11	+	64507866	64507939
TJU_CMC.ID05893.hairpin	15769	11	-	64559541	64559614
TJU_CMC.ID05894.hairpin	15770	11	+	64563529	64563602
TJU_CMC.ID05895.hairpin	15771	11	+	64866331	64866403
TJU_CMC.ID05896.hairpin	15772	11	+	64870005	64870077
TJU_CMC.ID05897.hairpin	15773	11	-	65054777	65054849
TJU_CMC.ID05898.hairpin	15774	11	-	65414239	65414310
TJU_CMC.ID05899.hairpin	15775	11	-	65762116	65762187
TJU_CMC.ID05900.hairpin	15776	11	-	65819268	65819339
TJU_CMC.ID05901.hairpin	15777	11	+	66025013	66025084
TJU_CMC.ID05902.hairpin	15778	11	+	66109969	66110042
TJU_CMC.ID05903.hairpin	15779	11	-	66114498	66114571
TJU_CMC.ID05904.hairpin	15780	11	-	66211641	66211712
TJU_CMC.ID05905.hairpin	15781	11	+	66259033	66259104
TJU_CMC.ID05906.hairpin	15782	11	+	66294206	66294277
TJU_CMC.ID05907.hairpin	15783	11	+	66783952	66784025
TJU_CMC.ID05908.hairpin	15784	11	+	67334232	67334301
TJU_CMC.ID05909.hairpin	15785	11	+	67419552	67419622
TJU_CMC.ID05910.hairpin	15786	11	-	67915679	67915752
TJU_CMC.ID05911.hairpin	15787	11	+	68019333	68019405
TJU_CMC.ID05912.hairpin	15788	11	-	68215767	68215839
TJU_CMC.ID05913.hairpin	15789	11	+	68216209	68216281
TJU_CMC.ID05914.hairpin	15790	11	+	68372770	68372841
TJU_CMC.ID05915.hairpin	15791	11	+	68609085	68609157
TJU_CMC.ID05916.hairpin	15792	11	+	68773070	68773142
TJU_CMC.ID05917.hairpin	15793	11	+	68920319	68920390
TJU_CMC.ID05918.hairpin	15794	11	-	69021770	69021842
TJU_CMC.ID05919.hairpin	15795	11	-	69192780	69192852
TJU_CMC.ID05920.hairpin	15796	11	+	69432191	69432263
TJU_CMC.ID05921.hairpin	15797	11	+	69464883	69464952

Table 1. Novel miRNA sequences

TJU_CMC.ID05922.hairpin	15798	11	-	69777833	69777902	
TJU_CMC.ID05923.hairpin	15799	11	-	69932582	69932653	
TJU_CMC.ID05924.hairpin	15800	11	-	70350234	70350305	
TJU_CMC.ID05925.hairpin	15801	11	-	70711791	70711862	
TJU_CMC.ID05926.hairpin	15802	11	-	70841661	70841732	
TJU_CMC.ID05927.hairpin	15803	11	+	70880712	70880784	
TJU_CMC.ID05928.hairpin	15804	11	+	71551596	71551666	
TJU_CMC.ID05929.hairpin	15805	11	+	71667555	71667624	
TJU_CMC.ID05930.hairpin	15806	11	-	71791487	71791556	
TJU_CMC.ID05931.hairpin	15807	11	+	71891668	71891739	
TJU_CMC.ID05932.hairpin	15808	11	+	72355240	72355310	
TJU_CMC.ID05933.hairpin	15809	11	+	72469841	72469910	
TJU_CMC.ID05934.hairpin	15810	11	-	72729633	72729705	
TJU_CMC.ID05935.hairpin	15811	11	+	72861625	72861697	
TJU_CMC.ID05936.hairpin	15812	11	-	73112914	73112987	
TJU_CMC.ID05937.hairpin	15813	11	+	73342913	73342984	
TJU_CMC.ID05938.hairpin	15814	11	+	73695242	73695313	
TJU_CMC.ID05939.hairpin	15815	11	+	73795868	73795941	
TJU_CMC.ID05940.hairpin	15816	11	+	73942285	73942357	
TJU_CMC.ID05941.hairpin	15817	11	-	74400441	74400513	
TJU_CMC.ID05942.hairpin	15818	11	-	74405545	74405614	
TJU_CMC.ID05943.hairpin	15819	11	+	74799116	74799188	
TJU_CMC.ID05944.hairpin	15820	11	-	74895104	74895177	
TJU_CMC.ID05945.hairpin	15821	11	-	74984699	74984771	
TJU_CMC.ID05946.hairpin	15822	11	+	75093585	75093658	
TJU_CMC.ID05947.hairpin	15823	11	+	75273400	75273473	
TJU_CMC.ID05948.hairpin	15824	11	-	75640524	75640597	
TJU_CMC.ID05949.hairpin	15825	11	-	77185242	77185313	
TJU_CMC.ID05950.hairpin	15826	11	+	78128881	78128954	
TJU_CMC.ID05951.hairpin	15827	11	-	78615926	78615996	
TJU_CMC.ID05952.hairpin	15828	11	+	78863319	78863391	

Table 1. Novel miRNA sequences

TJU_CMC.ID05953.hairpin	15829	11	+	78865077		78865149
TJU_CMC.ID05954.hairpin	15830	11	+	79020555		79020625
TJU_CMC.ID05955.hairpin	15831	11	+	79080805		79080876
TJU_CMC.ID05956.hairpin	15832	11	+	79081381		79081452
TJU_CMC.ID05957.hairpin	15833	11	-	79435963		79436034
TJU_CMC.ID05958.hairpin	15834	11	+	79607780		79607850
TJU_CMC.ID05959.hairpin	15835	11	-	79627857		79627927
TJU_CMC.ID05960.hairpin	15836	11	-	80452158		80452228
TJU_CMC.ID05961.hairpin	15837	11	+	80982353		80982424
TJU_CMC.ID05962.hairpin	15838	11	-	81155174		81155245
TJU_CMC.ID05963.hairpin	15839	11	+	81512104		81512175
TJU_CMC.ID05964.hairpin	15840	11	-	81838181		81838252
TJU_CMC.ID05965.hairpin	15841	11	-	82444574		82444646
TJU_CMC.ID05966.hairpin	15842	11	-	82562167		82562240
TJU_CMC.ID05967.hairpin	15843	11	-	83629628		83629700
TJU_CMC.ID05968.hairpin	15844	11	+	83710033		83710104
TJU_CMC.ID05969.hairpin	15845	11	-	84466089		84466161
TJU_CMC.ID05970.hairpin	15846	11	+	85098601		85098673
TJU_CMC.ID05971.hairpin	15847	11	-	85250259		85250328
TJU_CMC.ID05972.hairpin	15848	11	-	85779645		85779715
TJU_CMC.ID05973.hairpin	15849	11	+	85984959		85985030
TJU_CMC.ID05974.hairpin	15850	11	+	86300160		86300231
TJU_CMC.ID05975.hairpin	15851	11	-	86542418		86542488
TJU_CMC.ID05976.hairpin	15852	11	+	86542452		86542523
TJU_CMC.ID05977.hairpin	15853	11	+	86769574		86769643
TJU_CMC.ID05978.hairpin	15854	11	+	86845781		86845853
TJU_CMC.ID05979.hairpin	15855	11	+	87160367		87160436
TJU_CMC.ID05980.hairpin	15856	11	+	87275383		87275452
TJU_CMC.ID05981.hairpin	15857	11	+	87283925		87283994
TJU_CMC.ID05982.hairpin	15858	11	-	87566257		87566329
TJU_CMC.ID05983.hairpin	15859	11	+	87972275		87972346

Table 1. Novel miRNA sequences

TJU_CMC.ID05984.hairpin	15860	11	-	87980017	87980088	
TJU_CMC.ID05985.hairpin	15861	11	-	88005216	88005285	
TJU_CMC.ID05986.hairpin	15862	11	+	88006788	88006859	
TJU_CMC.ID05987.hairpin	15863	11	-	88376291	88376363	
TJU_CMC.ID05988.hairpin	15864	11	+	88701550	88701619	
TJU_CMC.ID05989.hairpin	15865	11	-	89842853	89842926	
TJU_CMC.ID05990.hairpin	15866	11	-	90574995	90575064	
TJU_CMC.ID05991.hairpin	15867	11	-	90951310	90951379	
TJU_CMC.ID05992.hairpin	15868	11	-	91039022	91039094	
TJU_CMC.ID05993.hairpin	15869	11	-	91589650	91589723	
TJU_CMC.ID05994.hairpin	15870	11	+	92209995	92210064	
TJU_CMC.ID05995.hairpin	15871	11	-	92390078	92390149	
TJU_CMC.ID05996.hairpin	15872	11	-	92770031	92770101	
TJU_CMC.ID05997.hairpin	15873	11	-	92855853	92855926	
TJU_CMC.ID05999.hairpin	15874	11	-	93464670	93464743	
TJU_CMC.ID06000.hairpin	15875	11	-	93703759	93703830	
TJU_CMC.ID06001.hairpin	15876	11	-	93877495	93877566	
TJU_CMC.ID06002.hairpin	15877	11	-	93932766	93932837	
TJU_CMC.ID06003.hairpin	15878	11	-	93979249	93979320	
TJU_CMC.ID06004.hairpin	15879	11	+	95012630	95012699	
TJU_CMC.ID06005.hairpin	15880	11	-	95033925	95033996	
TJU_CMC.ID06006.hairpin	15881	11	+	95055413	95055485	
TJU_CMC.ID06007.hairpin	15882	11	+	95184235	95184306	
TJU_CMC.ID06008.hairpin	15883	11	+	95327503	95327575	
TJU_CMC.ID06009.hairpin	15884	11	+	95516207	95516277	
TJU_CMC.ID06010.hairpin	15885	11	+	95566659	95566730	
TJU_CMC.ID06011.hairpin	15886	11	+	96207777	96207848	
TJU_CMC.ID06012.hairpin	15887	11	-	96874800	96874871	
TJU_CMC.ID06013.hairpin	15888	11	-	98660985	98661057	
TJU_CMC.ID06014.hairpin	15889	11	+	99050320	99050389	
TJU_CMC.ID06015.hairpin	15890	11	-	100741129	100741201	

Table 1. Novel miRNA sequences

TJU_CMC.ID06016.hairpin	15891	11	+	101358503	101358576
TJU_CMC.ID06017.hairpin	15892	11	-	101454561	101454633
TJU_CMC.ID06018.hairpin	15893	11	-	101660812	101660882
TJU_CMC.ID06019.hairpin	15894	11	-	101992297	101992369
TJU_CMC.ID06020.hairpin	15895	11	-	102003171	102003242
TJU_CMC.ID06021.hairpin	15896	11	+	102147776	102147848
TJU_CMC.ID06022.hairpin	15897	11	+	102689557	102689629
TJU_CMC.ID06023.hairpin	15898	11	-	102774247	102774319
TJU_CMC.ID06024.hairpin	15899	11	-	102848001	102848072
TJU_CMC.ID06025.hairpin	15900	11	-	102876105	102876176
TJU_CMC.ID06026.hairpin	15901	11	+	103209704	103209775
TJU_CMC.ID06027.hairpin	15902	11	+	104945324	104945395
TJU_CMC.ID06028.hairpin	15903	11	-	104946939	104947010
TJU_CMC.ID06029.hairpin	15904	11	+	105071781	105071850
TJU_CMC.ID06030.hairpin	15905	11	+	105498397	105498469
TJU_CMC.ID06031.hairpin	15906	11	-	105836149	105836222
TJU_CMC.ID06032.hairpin	15907	11	-	106599167	106599239
TJU_CMC.ID06033.hairpin	15908	11	-	106743026	106743097
TJU_CMC.ID06034.hairpin	15909	11	+	106877011	106877082
TJU_CMC.ID06035.hairpin	15910	11	-	107053723	107053794
TJU_CMC.ID06036.hairpin	15911	11	-	107387205	107387275
TJU_CMC.ID06037.hairpin	15912	11	+	107784435	107784505
TJU_CMC.ID06038.hairpin	15913	11	+	109014325	109014395
TJU_CMC.ID06039.hairpin	15914	11	+	109070163	109070234
TJU_CMC.ID06040.hairpin	15915	11	-	109253464	109253536
TJU_CMC.ID06041.hairpin	15916	11	+	109689330	109689403
TJU_CMC.ID06042.hairpin	15917	11	-	109809057	109809128
TJU_CMC.ID06043.hairpin	15918	11	+	109865774	109865843
TJU_CMC.ID06044.hairpin	15919	11	-	110047883	110047953
TJU_CMC.ID06045.hairpin	15920	11	+	110148638	110148710
TJU_CMC.ID06046.hairpin	15921	11	-	110244348	110244419

Table 1. Novel miRNA sequences

TJU_CMC.ID06047.hairpin	15922	11	+	111073197	111073268
TJU_CMC.ID06048.hairpin	15923	11	-	112352027	112352100
TJU_CMC.ID06049.hairpin	15924	11	-	112592786	112592856
TJU_CMC.ID06050.hairpin	15925	11	-	112702784	112702855
TJU_CMC.ID06051.hairpin	15926	11	-	112989991	112990060
TJU_CMC.ID06052.hairpin	15927	11	+	113133007	113133079
TJU_CMC.ID06053.hairpin	15928	11	-	113149909	113149981
TJU_CMC.ID06054.hairpin	15929	11	+	113150467	113150537
TJU_CMC.ID06055.hairpin	15930	11	-	113368538	113368609
TJU_CMC.ID06056.hairpin	15931	11	-	113388174	113388243
TJU_CMC.ID06057.hairpin	15932	11	+	113565963	113566033
TJU_CMC.ID06058.hairpin	15933	11	+	113745830	113745900
TJU_CMC.ID06059.hairpin	15934	11	-	113985495	113985564
TJU_CMC.ID06060.hairpin	15935	11	-	114102584	114102657
TJU_CMC.ID06061.hairpin	15936	11	-	114981815	114981887
TJU_CMC.ID06062.hairpin	15937	11	+	115021901	115021972
TJU_CMC.ID06063.hairpin	15938	11	-	115653675	115653744
TJU_CMC.ID06064.hairpin	15939	11	-	116069932	116070002
TJU_CMC.ID06065.hairpin	15940	11	-	116250524	116250596
TJU_CMC.ID06066.hairpin	15941	11	+	116512564	116512633
TJU_CMC.ID06067.hairpin	15942	11	-	116574510	116574582
TJU_CMC.ID06068.hairpin	15943	11	+	116719126	116719196
TJU_CMC.ID06069.hairpin	15944	11	+	117239326	117239395
TJU_CMC.ID06070.hairpin	15945	11	-	117541317	117541389
TJU_CMC.ID06071.hairpin	15946	11	+	117630505	117630577
TJU_CMC.ID06072.hairpin	15947	11	+	118125261	118125332
TJU_CMC.ID06073.hairpin	15948	11	+	118183553	118183624
TJU_CMC.ID06074.hairpin	15949	11	+	118332710	118332781
TJU_CMC.ID06075.hairpin	15950	11	+	118338203	118338272
TJU_CMC.ID06076.hairpin	15951	11	+	118378259	118378331
TJU_CMC.ID06077.hairpin	15952	11	+	118436526	118436597

Table 1. Novel miRNA sequences

TJU_CMC.ID06078.hairpin	15953	11	-	118787627	118787700
TJU_CMC.ID06079.hairpin	15954	11	-	119223083	119223155
TJU_CMC.ID06080.hairpin	15955	11	+	119757347	119757417
TJU_CMC.ID06081.hairpin	15956	11	+	119817170	119817243
TJU_CMC.ID06082.hairpin	15957	11	-	120373433	120373506
TJU_CMC.ID06083.hairpin	15958	11	-	120556273	120556345
TJU_CMC.ID06084.hairpin	15959	11	-	120776090	120776161
TJU_CMC.ID06085.hairpin	15960	11	+	120810742	120810813
TJU_CMC.ID06086.hairpin	15961	11	-	120984623	120984694
TJU_CMC.ID06087.hairpin	15962	11	-	121096532	121096603
TJU_CMC.ID06088.hairpin	15963	11	+	121326471	121326540
TJU_CMC.ID06089.hairpin	15964	11	-	121563187	121563258
TJU_CMC.ID06090.hairpin	15965	11	-	121647085	121647158
TJU_CMC.ID06091.hairpin	15966	11	+	121737931	121738000
TJU_CMC.ID06092.hairpin	15967	11	+	121821043	121821115
TJU_CMC.ID06093.hairpin	15968	11	+	121882440	121882512
TJU_CMC.ID06094.hairpin	15969	11	-	122191114	122191187
TJU_CMC.ID06095.hairpin	15970	11	-	122365939	122366008
TJU_CMC.ID06096.hairpin	15971	11	-	122928622	122928695
TJU_CMC.ID06097.hairpin	15972	11	+	123164865	123164937
TJU_CMC.ID06098.hairpin	15973	11	-	123812634	123812705
TJU_CMC.ID06099.hairpin	15974	11	-	124938423	124938495
TJU_CMC.ID06100.hairpin	15975	11	+	124995109	124995179
TJU_CMC.ID06101.hairpin	15976	11	+	125195396	125195465
TJU_CMC.ID06102.hairpin	15977	11	-	125337275	125337346
TJU_CMC.ID06103.hairpin	15978	11	-	125697163	125697232
TJU_CMC.ID06104.hairpin	15979	11	+	126135657	126135730
TJU_CMC.ID06105.hairpin	15980	11	+	126156892	126156965
TJU_CMC.ID06106.hairpin	15981	11	+	126177779	126177852
TJU_CMC.ID06107.hairpin	15982	11	-	126554104	126554176
TJU_CMC.ID06108.hairpin	15983	11	-	126937776	126937847

Table 1. Novel miRNA sequences

TJU_CMC.ID06109.hairpin	15984	11	+	127085052	127085124	
TJU_CMC.ID06110.hairpin	15985	11	+	127341294	127341367	
TJU_CMC.ID06111.hairpin	15986	11	+	127698531	127698600	
TJU_CMC.ID06112.hairpin	15987	11	+	127895318	127895391	
TJU_CMC.ID06113.hairpin	15988	11	+	127991004	127991075	
TJU_CMC.ID06114.hairpin	15989	11	-	127992447	127992516	
TJU_CMC.ID06115.hairpin	15990	11	-	128113092	128113162	
TJU_CMC.ID06116.hairpin	15991	11	-	128251654	128251726	
TJU_CMC.ID06117.hairpin	15992	11	-	128354287	128354359	
TJU_CMC.ID06118.hairpin	15993	11	+	128839624	128839697	
TJU_CMC.ID06119.hairpin	15994	11	-	129259118	129259189	
TJU_CMC.ID06120.hairpin	15995	11	+	129506746	129506819	
TJU_CMC.ID06121.hairpin	15996	11	+	129994324	129994397	
TJU_CMC.ID06122.hairpin	15997	11	+	130147242	130147315	
TJU_CMC.ID06123.hairpin	15998	11	+	130297693	130297766	
TJU_CMC.ID06124.hairpin	15999	11	+	130315840	130315913	
TJU_CMC.ID06125.hairpin	16000	11	+	130463787	130463856	
TJU_CMC.ID06126.hairpin	16001	11	+	130521813	130521883	
TJU_CMC.ID06127.hairpin	16002	11	+	130883525	130883597	
TJU_CMC.ID06128.hairpin	16003	11	+	131677890	131677962	
TJU_CMC.ID06129.hairpin	16004	11	+	132573768	132573840	
TJU_CMC.ID06130.hairpin	16005	11	+	132807102	132807175	
TJU_CMC.ID06131.hairpin	16006	11	+	133168587	133168658	
TJU_CMC.ID06132.hairpin	16007	11	-	133201397	133201466	
TJU_CMC.ID06133.hairpin	16008	11	+	133225482	133225553	
TJU_CMC.ID06134.hairpin	16009	11	-	133290958	133291029	
TJU_CMC.ID06135.hairpin	16010	11	-	133295032	133295104	
TJU_CMC.ID06136.hairpin	16011	11	+	133586306	133586377	
TJU_CMC.ID06137.hairpin	16012	11	-	133596230	133596299	
TJU_CMC.ID06138.hairpin	16013	11	-	134358839	134358911	
TJU_CMC.ID06139.hairpin	16014	11	+	134399734	134399807	

Table 1. Novel miRNA sequences

TJU_CMC.ID06140.hairpin	16015	11	+	134462051	134462122	
TJU_CMC.ID06141.hairpin	16016	11	+	134530032	134530104	
TJU_CMC.ID06142.hairpin	16017	11	-	134586259	134586329	
TJU_CMC.ID06143.hairpin	16018	11	+	134587750	134587819	
TJU_CMC.ID06144.hairpin	16019	12	-	535842	535914	
TJU_CMC.ID06145.hairpin	16020	12	-	679171	679244	
TJU_CMC.ID06146.hairpin	16021	12	+	868807	868878	
TJU_CMC.ID06147.hairpin	16022	12	+	964066	964136	
TJU_CMC.ID06148.hairpin	16023	12	+	1107372	1107444	
TJU_CMC.ID06149.hairpin	16024	12	-	1185071	1185144	
TJU_CMC.ID06150.hairpin	16025	12	+	1246628	1246701	
TJU_CMC.ID06151.hairpin	16026	12	-	1648480	1648553	
TJU_CMC.ID06152.hairpin	16027	12	+	1868795	1868866	
TJU_CMC.ID06153.hairpin	16028	12	+	2010836	2010907	
TJU_CMC.ID06154.hairpin	16029	12	+	2126982	2127054	
TJU_CMC.ID06155.hairpin	16030	12	-	2177019	2177088	
TJU_CMC.ID06156.hairpin	16031	12	+	2443986	2444057	
TJU_CMC.ID06157.hairpin	16032	12	+	3102312	3102384	
TJU_CMC.ID06158.hairpin	16033	12	-	3179589	3179662	
TJU_CMC.ID06159.hairpin	16034	12	-	3305777	3305848	
TJU_CMC.ID06160.hairpin	16035	12	-	3309546	3309615	
TJU_CMC.ID06161.hairpin	16036	12	-	3312295	3312368	
TJU_CMC.ID06162.hairpin	16037	12	+	3374249	3374320	
TJU_CMC.ID06163.hairpin	16038	12	-	3528262	3528333	
TJU_CMC.ID06164.hairpin	16039	12	-	3600088	3600160	
TJU_CMC.ID06165.hairpin	16040	12	-	3792962	3793032	
TJU_CMC.ID06166.hairpin	16041	12	-	4335016	4335086	
TJU_CMC.ID06167.hairpin	16042	12	+	4359697	4359768	
TJU_CMC.ID06168.hairpin	16043	12	+	4742728	4742799	
TJU_CMC.ID06169.hairpin	16044	12	+	5004328	5004398	
TJU_CMC.ID06170.hairpin	16045	12	+	5306217	5306290	

Table 1. Novel miRNA sequences

TJU_CMC.ID06171.hairpin	16046	12	-	5366231	5366301
TJU_CMC.ID06172.hairpin	16047	12	+	5839662	5839731
TJU_CMC.ID06173.hairpin	16048	12	+	6095834	6095904
TJU_CMC.ID06174.hairpin	16049	12	-	6638907	6638978
TJU_CMC.ID06175.hairpin	16050	12	+	6875639	6875711
TJU_CMC.ID06176.hairpin	16051	12	-	7066465	7066536
TJU_CMC.ID06177.hairpin	16052	12	-	7559758	7559829
TJU_CMC.ID06178.hairpin	16053	12	+	7877647	7877719
TJU_CMC.ID06179.hairpin	16054	12	-	8136568	8136640
TJU_CMC.ID06180.hairpin	16055	12	+	8541556	8541625
TJU_CMC.ID06181.hairpin	16056	12	+	8844835	8844906
TJU_CMC.ID06182.hairpin	16057	12	+	9739548	9739619
TJU_CMC.ID06183.hairpin	16058	12	-	9847445	9847516
TJU_CMC.ID06184.hairpin	16059	12	-	9881013	9881084
TJU_CMC.ID06185.hairpin	16060	12	+	9899495	9899567
TJU_CMC.ID06186.hairpin	16061	12	+	10041875	10041946
TJU_CMC.ID06187.hairpin	16062	12	-	10123515	10123587
TJU_CMC.ID06188.hairpin	16063	12	-	11909142	11909215
TJU_CMC.ID06189.hairpin	16064	12	-	12556318	12556389
TJU_CMC.ID06190.hairpin	16065	12	+	12672504	12672576
TJU_CMC.ID06191.hairpin	16066	12	+	12746199	12746270
TJU_CMC.ID06192.hairpin	16067	12	+	13233024	13233097
TJU_CMC.ID06193.hairpin	16068	12	+	13237620	13237692
TJU_CMC.ID06194.hairpin	16069	12	-	13499127	13499199
TJU_CMC.ID06195.hairpin	16070	12	-	13607488	13607560
TJU_CMC.ID06196.hairpin	16071	12	+	13660390	13660459
TJU_CMC.ID06197.hairpin	16072	12	+	14264405	14264477
TJU_CMC.ID06198.hairpin	16073	12	+	14770454	14770525
TJU_CMC.ID06199.hairpin	16074	12	-	14872625	14872696
TJU_CMC.ID06200.hairpin	16075	12	+	15034871	15034942
TJU_CMC.ID06201.hairpin	16076	12	+	15112627	15112696

Table 1. Novel miRNA sequences

TJU_CMC.ID06202.hairpin	16077	12	-	15241055	15241126	
TJU_CMC.ID06203.hairpin	16078	12	+	15517438	15517511	
TJU_CMC.ID06204.hairpin	16079	12	-	15751633	15751706	
TJU_CMC.ID06205.hairpin	16080	12	-	15958441	15958511	
TJU_CMC.ID06206.hairpin	16081	12	-	17313459	17313528	
TJU_CMC.ID06207.hairpin	16082	12	+	17933058	17933129	
TJU_CMC.ID06208.hairpin	16083	12	-	19092861	19092931	
TJU_CMC.ID06209.hairpin	16084	12	+	19965084	19965153	
TJU_CMC.ID06210.hairpin	16085	12	-	20143246	20143315	
TJU_CMC.ID06211.hairpin	16086	12	-	20397576	20397647	
TJU_CMC.ID06212.hairpin	16087	12	+	20652971	20653042	
TJU_CMC.ID06213.hairpin	16088	12	+	20860553	20860622	
TJU_CMC.ID06214.hairpin	16089	12	-	21741517	21741588	
TJU_CMC.ID06215.hairpin	16090	12	+	21985731	21985802	
TJU_CMC.ID06216.hairpin	16091	12	-	22509696	22509769	
TJU_CMC.ID06217.hairpin	16092	12	-	23157682	23157753	
TJU_CMC.ID06218.hairpin	16093	12	+	24157558	24157629	
TJU_CMC.ID06219.hairpin	16094	12	+	24198629	24198699	
TJU_CMC.ID06220.hairpin	16095	12	+	24212305	24212376	
TJU_CMC.ID06221.hairpin	16096	12	+	24307472	24307543	
TJU_CMC.ID06222.hairpin	16097	12	+	24332791	24332864	
TJU_CMC.ID06223.hairpin	16098	12	+	24592185	24592254	
TJU_CMC.ID06224.hairpin	16099	12	-	24887050	24887123	
TJU_CMC.ID06225.hairpin	16100	12	+	24903195	24903264	
TJU_CMC.ID06226.hairpin	16101	12	+	25067602	25067674	
TJU_CMC.ID06227.hairpin	16102	12	-	26030243	26030312	
TJU_CMC.ID06228.hairpin	16103	12	+	26083949	26084021	
TJU_CMC.ID06229.hairpin	16104	12	-	26275709	26275780	
TJU_CMC.ID06230.hairpin	16105	12	-	26397794	26397863	
TJU_CMC.ID06231.hairpin	16106	12	+	27828140	27828212	
TJU_CMC.ID06232.hairpin	16107	12	+	28466806	28466877	

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TJU_CMC.ID06233.hairpin	16108	12	+	29013505	29013578	
TJU_CMC.ID06234.hairpin	16109	12	+	29489524	29489596	
TJU_CMC.ID06235.hairpin	16110	12	+	29719515	29719586	
TJU_CMC.ID06236.hairpin	16111	12	+	30008391	30008464	
TJU_CMC.ID06237.hairpin	16112	12	-	30113458	30113527	
TJU_CMC.ID06238.hairpin	16113	12	+	30929557	30929627	
TJU_CMC.ID06239.hairpin	16114	12	+	30965582	30965651	
TJU_CMC.ID06240.hairpin	16115	12	-	30965615	30965688	
TJU_CMC.ID06241.hairpin	16116	12	+	31005232	31005301	
TJU_CMC.ID06242.hairpin	16117	12	-	31049731	31049802	
TJU_CMC.ID06243.hairpin	16118	12	+	31085761	31085832	
TJU_CMC.ID06244.hairpin	16119	12	+	31391557	31391627	
TJU_CMC.ID06245.hairpin	16120	12	-	32898013	32898082	
TJU_CMC.ID06246.hairpin	16121	12	-	32922724	32922795	
TJU_CMC.ID06247.hairpin	16122	12	-	33947562	33947632	
TJU_CMC.ID06248.hairpin	16123	12	+	34306769	34306840	
TJU_CMC.ID06249.hairpin	16124	12	-	34506533	34506602	
TJU_CMC.ID06250.hairpin	16125	12	+	34781070	34781143	
TJU_CMC.ID06251.hairpin	16126	12	+	39017217	39017288	
TJU_CMC.ID06252.hairpin	16127	12	-	39042003	39042074	
TJU_CMC.ID06253.hairpin	16128	12	+	39618572	39618644	
TJU_CMC.ID06254.hairpin	16129	12	-	39724380	39724451	
TJU_CMC.ID06255.hairpin	16130	12	-	39980798	39980869	
TJU_CMC.ID06256.hairpin	16131	12	-	40543732	40543804	
TJU_CMC.ID06257.hairpin	16132	12	-	40998929	40999002	
TJU_CMC.ID06258.hairpin	16133	12	+	41283577	41283646	
TJU_CMC.ID06259.hairpin	16134	12	+	41318570	41318641	
TJU_CMC.ID06260.hairpin	16135	12	-	41463716	41463788	
TJU_CMC.ID06261.hairpin	16136	12	+	42206977	42207050	
TJU_CMC.ID06262.hairpin	16137	12	-	42229698	42229770	
TJU_CMC.ID06263.hairpin	16138	12	+	42780041	42780112	

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TJU_CMC.ID06264.hairpin	16139	12	-	43015594	43015666	
TJU_CMC.ID06265.hairpin	16140	12	-	43018696	43018765	
TJU_CMC.ID06266.hairpin	16141	12	+	43031559	43031631	
TJU_CMC.ID06267.hairpin	16142	12	-	43381457	43381526	
TJU_CMC.ID06268.hairpin	16143	12	+	43671665	43671736	
TJU_CMC.ID06269.hairpin	16144	12	+	43794063	43794134	
TJU_CMC.ID06270.hairpin	16145	12	+	43885394	43885466	
TJU_CMC.ID06271.hairpin	16146	12	+	44218639	44218709	
TJU_CMC.ID06272.hairpin	16147	12	-	44454187	44454258	
TJU_CMC.ID06273.hairpin	16148	12	+	44863012	44863083	
TJU_CMC.ID06274.hairpin	16149	12	+	44896072	44896142	
TJU_CMC.ID06275.hairpin	16150	12	-	45133171	45133240	
TJU_CMC.ID06276.hairpin	16151	12	+	45678888	45678961	
TJU_CMC.ID06277.hairpin	16152	12	+	46121089	46121158	
TJU_CMC.ID06278.hairpin	16153	12	-	46485055	46485126	
TJU_CMC.ID06279.hairpin	16154	12	-	47866883	47866954	
TJU_CMC.ID06280.hairpin	16155	12	-	47996531	47996603	
TJU_CMC.ID06281.hairpin	16156	12	+	48244877	48244950	
TJU_CMC.ID06282.hairpin	16157	12	+	48329111	48329182	
TJU_CMC.ID06283.hairpin	16158	12	-	48333264	48333335	
TJU_CMC.ID06284.hairpin	16159	12	+	48416472	48416542	
TJU_CMC.ID06285.hairpin	16160	12	-	48472409	48472480	
TJU_CMC.ID06286.hairpin	16161	12	+	48599151	48599223	
TJU_CMC.ID06287.hairpin	16162	12	-	49219958	49220029	
TJU_CMC.ID06288.hairpin	16163	12	-	49319624	49319697	
TJU_CMC.ID06289.hairpin	16164	12	+	49395061	49395131	
TJU_CMC.ID06290.hairpin	16165	12	+	49517869	49517941	
TJU_CMC.ID06291.hairpin	16166	12	+	49730166	49730235	
TJU_CMC.ID06292.hairpin	16167	12	-	49982429	49982499	
TJU_CMC.ID06293.hairpin	16168	12	+	50505656	50505729	
TJU_CMC.ID06294.hairpin	16169	12	+	50614145	50614216	

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TJU_CMC.ID06295.hairpin	16170	12	+	50850503	50850573	
TJU_CMC.ID06296.hairpin	16171	12	-	50959801	50959870	
TJU_CMC.ID06297.hairpin	16172	12	+	51236345	51236416	
TJU_CMC.ID06298.hairpin	16173	12	-	51439412	51439484	
TJU_CMC.ID06299.hairpin	16174	12	+	51814571	51814642	
TJU_CMC.ID06300.hairpin	16175	12	-	51984560	51984631	
TJU_CMC.ID06301.hairpin	16176	12	-	52091304	52091375	
TJU_CMC.ID06302.hairpin	16177	12	+	52358268	52358340	
TJU_CMC.ID06303.hairpin	16178	12	+	52379061	52379132	
TJU_CMC.ID06304.hairpin	16179	12	-	52413379	52413451	
TJU_CMC.ID06305.hairpin	16180	12	+	52705913	52705985	
TJU_CMC.ID06306.hairpin	16181	12	-	53300910	53300980	
TJU_CMC.ID06307.hairpin	16182	12	+	53306016	53306088	
TJU_CMC.ID06308.hairpin	16183	12	-	53908039	53908109	
TJU_CMC.ID06309.hairpin	16184	12	+	54191069	54191138	
TJU_CMC.ID06310.hairpin	16185	12	-	54369584	54369653	
TJU_CMC.ID06311.hairpin	16186	12	-	55080418	55080489	
TJU_CMC.ID06312.hairpin	16187	12	-	55923219	55923292	
TJU_CMC.ID06313.hairpin	16188	12	+	56044903	56044973	
TJU_CMC.ID06314.hairpin	16189	12	+	56368841	56368910	
TJU_CMC.ID06315.hairpin	16190	12	+	56420163	56420234	
TJU_CMC.ID06316.hairpin	16191	12	+	56480398	56480467	
TJU_CMC.ID06317.hairpin	16192	12	+	56577543	56577612	
TJU_CMC.ID06318.hairpin	16193	12	-	56677608	56677678	
TJU_CMC.ID06319.hairpin	16194	12	+	56750335	56750404	
TJU_CMC.ID06320.hairpin	16195	12	+	57069374	57069445	
TJU_CMC.ID06321.hairpin	16196	12	+	57112832	57112901	
TJU_CMC.ID06322.hairpin	16197	12	-	57708341	57708414	
TJU_CMC.ID06323.hairpin	16198	12	-	57853782	57853853	
TJU_CMC.ID06324.hairpin	16199	12	-	57874249	57874318	
TJU_CMC.ID06325.hairpin	16200	12	+	57987762	57987834	

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TJU_CMC.ID06326.hairpin	16201	12	-	58246331	58246402
TJU_CMC.ID06327.hairpin	16202	12	+	58911225	58911296
TJU_CMC.ID06328.hairpin	16203	12	-	58984752	58984824
TJU_CMC.ID06329.hairpin	16204	12	+	59201550	59201622
TJU_CMC.ID06330.hairpin	16205	12	-	59967488	59967557
TJU_CMC.ID06331.hairpin	16206	12	-	60215313	60215382
TJU_CMC.ID06332.hairpin	16207	12	-	60866144	60866215
TJU_CMC.ID06333.hairpin	16208	12	+	60867722	60867791
TJU_CMC.ID06334.hairpin	16209	12	-	61972887	61972956
TJU_CMC.ID06335.hairpin	16210	12	+	62033522	62033591
TJU_CMC.ID06336.hairpin	16211	12	+	62585789	62585860
TJU_CMC.ID06337.hairpin	16212	12	+	63135854	63135924
TJU_CMC.ID06338.hairpin	16213	12	-	63796970	63797042
TJU_CMC.ID06339.hairpin	16214	12	-	64160598	64160670
TJU_CMC.ID06340.hairpin	16215	12	+	64217438	64217509
TJU_CMC.ID06341.hairpin	16216	12	-	65821065	65821137
TJU_CMC.ID06342.hairpin	16217	12	-	65943047	65943119
TJU_CMC.ID06343.hairpin	16218	12	-	66370881	66370953
TJU_CMC.ID06344.hairpin	16219	12	+	66942321	66942393
TJU_CMC.ID06345.hairpin	16220	12	+	67083000	67083071
TJU_CMC.ID06346.hairpin	16221	12	+	67240825	67240894
TJU_CMC.ID06347.hairpin	16222	12	+	67327012	67327083
TJU_CMC.ID06348.hairpin	16223	12	+	67401374	67401445
TJU_CMC.ID06349.hairpin	16224	12	+	67813339	67813411
TJU_CMC.ID06350.hairpin	16225	12	+	68183182	68183251
TJU_CMC.ID06351.hairpin	16226	12	-	68534178	68534249
TJU_CMC.ID06352.hairpin	16227	12	-	69129820	69129893
TJU_CMC.ID06353.hairpin	16228	12	+	69139929	69140001
TJU_CMC.ID06354.hairpin	16229	12	-	69383373	69383442
TJU_CMC.ID06355.hairpin	16230	12	-	70783936	70784005
TJU_CMC.ID06356.hairpin	16231	12	-	70996742	70996811

Table 1. Novel miRNA sequences

TJU_CMC.ID06357.hairpin	16232	12	+	71434126	71434195
TJU_CMC.ID06358.hairpin	16233	12	+	71751309	71751380
TJU_CMC.ID06359.hairpin	16234	12	-	71751736	71751807
TJU_CMC.ID06360.hairpin	16235	12	+	71892257	71892330
TJU_CMC.ID06361.hairpin	16236	12	+	72308520	72308592
TJU_CMC.ID06362.hairpin	16237	12	+	72338377	72338446
TJU_CMC.ID06363.hairpin	16238	12	+	73044137	73044206
TJU_CMC.ID06364.hairpin	16239	12	+	74180055	74180125
TJU_CMC.ID06365.hairpin	16240	12	+	74433653	74433722
TJU_CMC.ID06366.hairpin	16241	12	-	74623075	74623146
TJU_CMC.ID06367.hairpin	16242	12	+	74632909	74632980
TJU_CMC.ID06368.hairpin	16243	12	-	74769012	74769085
TJU_CMC.ID06369.hairpin	16244	12	-	77016974	77017045
TJU_CMC.ID06370.hairpin	16245	12	+	77095553	77095626
TJU_CMC.ID06371.hairpin	16246	12	-	77215881	77215950
TJU_CMC.ID06372.hairpin	16247	12	+	77321183	77321255
TJU_CMC.ID06373.hairpin	16248	12	-	77501649	77501720
TJU_CMC.ID06374.hairpin	16249	12	+	77636841	77636912
TJU_CMC.ID06375.hairpin	16250	12	+	78013271	78013343
TJU_CMC.ID06376.hairpin	16251	12	+	78143219	78143291
TJU_CMC.ID06377.hairpin	16252	12	+	78445810	78445882
TJU_CMC.ID06378.hairpin	16253	12	-	79428858	79428929
TJU_CMC.ID06379.hairpin	16254	12	-	80757025	80757096
TJU_CMC.ID06380.hairpin	16255	12	-	80929578	80929651
TJU_CMC.ID06381.hairpin	16256	12	+	81623895	81623965
TJU_CMC.ID06382.hairpin	16257	12	+	82732055	82732125
TJU_CMC.ID06383.hairpin	16258	12	-	82778306	82778378
TJU_CMC.ID06384.hairpin	16259	12	-	84088212	84088284
TJU_CMC.ID06385.hairpin	16260	12	-	84238345	84238416
TJU_CMC.ID06386.hairpin	16261	12	-	84732815	84732886
TJU_CMC.ID06387.hairpin	16262	12	-	85214350	85214421

Table 1. Novel miRNA sequences

TJU_CMC.ID06388.hairpin	16263	12	-	87036772	87036844	
TJU_CMC.ID06389.hairpin	16264	12	-	87287904	87287974	
TJU_CMC.ID06390.hairpin	16265	12	+	88326815	88326885	
TJU_CMC.ID06391.hairpin	16266	12	-	88572547	88572619	
TJU_CMC.ID06392.hairpin	16267	12	+	88602244	88602313	
TJU_CMC.ID06393.hairpin	16268	12	-	89018052	89018122	
TJU_CMC.ID06394.hairpin	16269	12	+	89184159	89184230	
TJU_CMC.ID06395.hairpin	16270	12	-	89227262	89227333	
TJU_CMC.ID06396.hairpin	16271	12	-	89364247	89364318	
TJU_CMC.ID06397.hairpin	16272	12	-	90392410	90392482	
TJU_CMC.ID06398.hairpin	16273	12	-	90627131	90627201	
TJU_CMC.ID06399.hairpin	16274	12	+	90859367	90859439	
TJU_CMC.ID06400.hairpin	16275	12	+	90915741	90915811	
TJU_CMC.ID06401.hairpin	16276	12	+	91667636	91667705	
TJU_CMC.ID06402.hairpin	16277	12	-	92765727	92765798	
TJU_CMC.ID06403.hairpin	16278	12	-	92964180	92964249	
TJU_CMC.ID06404.hairpin	16279	12	+	93270098	93270168	
TJU_CMC.ID06405.hairpin	16280	12	-	93503375	93503446	
TJU_CMC.ID06406.hairpin	16281	12	+	94235945	94236016	
TJU_CMC.ID06407.hairpin	16282	12	-	95030473	95030544	
TJU_CMC.ID06408.hairpin	16283	12	-	95263127	95263198	
TJU_CMC.ID06409.hairpin	16284	12	+	95690415	95690488	
TJU_CMC.ID06411.hairpin	16285	12	+	96184289	96184358	
TJU_CMC.ID06412.hairpin	16286	12	-	96195364	96195433	
TJU_CMC.ID06413.hairpin	16287	12	-	96638554	96638625	
TJU_CMC.ID06414.hairpin	16288	12	-	97200339	97200409	
TJU_CMC.ID06415.hairpin	16289	12	+	97655286	97655357	
TJU_CMC.ID06416.hairpin.ID=MI0000453;Alias=MI0000453;Name=hsa-mir-135a-2	16290	12	+	97957590	97957689	
TJU_CMC.ID06417.hairpin	16291	12	+	98894586	98894656	

Table 1. Novel miRNA sequences

TJU_CMC.ID06418.hairpin	16292	12	+	98993624	98993697
TJU_CMC.ID06419.hairpin	16293	12	-	99235344	99235416
TJU_CMC.ID06420.hairpin	16294	12	+	99261334	99261405
TJU_CMC.ID06421.hairpin	16295	12	-	99467024	99467095
TJU_CMC.ID06422.hairpin	16296	12	-	101297428	101297500
TJU_CMC.ID06423.hairpin	16297	12	+	101306774	101306845
TJU_CMC.ID06424.hairpin	16298	12	-	101550676	101550746
TJU_CMC.ID06425.hairpin	16299	12	-	101565981	101566050
TJU_CMC.ID06426.hairpin	16300	12	-	101566901	101566970
TJU_CMC.ID06427.hairpin	16301	12	+	101724645	101724714
TJU_CMC.ID06428.hairpin	16302	12	-	101927294	101927365
TJU_CMC.ID06429.hairpin	16303	12	+	102224231	102224301
TJU_CMC.ID06430.hairpin	16304	12	+	102345691	102345760
TJU_CMC.ID06431.hairpin	16305	12	+	102719861	102719934
TJU_CMC.ID06432.hairpin	16306	12	-	102869635	102869707
TJU_CMC.ID06433.hairpin	16307	12	-	102876469	102876538
TJU_CMC.ID06434.hairpin	16308	12	-	103245423	103245494
TJU_CMC.ID06435.hairpin	16309	12	+	103908702	103908774
TJU_CMC.ID06436.hairpin	16310	12	-	103938096	103938169
TJU_CMC.ID06437.hairpin	16311	12	+	104567027	104567099
TJU_CMC.ID06438.hairpin	16312	12	+	104930839	104930908
TJU_CMC.ID06439.hairpin	16313	12	+	104955103	104955172
TJU_CMC.ID06440.hairpin	16314	12	+	105013243	105013314
TJU_CMC.ID06441.hairpin	16315	12	+	105878130	105878199
TJU_CMC.ID06442.hairpin	16316	12	-	106303446	106303518
TJU_CMC.ID06443.hairpin	16317	12	-	106755701	106755771
TJU_CMC.ID06444.hairpin	16318	12	+	107208401	107208471
TJU_CMC.ID06445.hairpin	16319	12	-	107277882	107277951
TJU_CMC.ID06446.hairpin	16320	12	-	107466303	107466372
TJU_CMC.ID06447.hairpin	16321	12	+	107743820	107743891
TJU_CMC.ID06448.hairpin	16322	12	+	108012999	108013070

Table 1. Novel miRNA sequences

TJU_CMC.ID06449.hairpin	16323	12	+	108210631	108210702	
TJU_CMC.ID06450.hairpin	16324	12	+	108443772	108443843	
TJU_CMC.ID06451.hairpin	16325	12	+	108529844	108529916	
TJU_CMC.ID06452.hairpin	16326	12	+	108673889	108673962	
TJU_CMC.ID06453.hairpin	16327	12	-	108697685	108697754	
TJU_CMC.ID06454.hairpin	16328	12	+	108958263	108958333	
TJU_CMC.ID06455.hairpin	16329	12	-	109312259	109312331	
TJU_CMC.ID06456.hairpin	16330	12	-	109568368	109568437	
TJU_CMC.ID06457.hairpin	16331	12	+	109607018	109607089	
TJU_CMC.ID06458.hairpin	16332	12	+	109988538	109988611	
TJU_CMC.ID06459.hairpin	16333	12	-	110256001	110256071	
TJU_CMC.ID06460.hairpin	16334	12	-	110597846	110597917	
TJU_CMC.ID06461.hairpin	16335	12	+	110727099	110727171	
TJU_CMC.ID06462.hairpin	16336	12	-	110999712	110999785	
TJU_CMC.ID06463.hairpin	16337	12	+	111216004	111216076	
TJU_CMC.ID06464.hairpin	16338	12	+	111239968	111240041	
TJU_CMC.ID06465.hairpin	16339	12	+	111431929	111431999	
TJU_CMC.ID06466.hairpin	16340	12	-	111520019	111520089	
TJU_CMC.ID06467.hairpin	16341	12	-	111617065	111617134	
TJU_CMC.ID06468.hairpin	16342	12	-	111634662	111634733	
TJU_CMC.ID06469.hairpin	16343	12	-	111719271	111719342	
TJU_CMC.ID06470.hairpin	16344	12	-	112350131	112350201	
TJU_CMC.ID06471.hairpin	16345	12	+	112738298	112738371	
TJU_CMC.ID06472.hairpin	16346	12	-	112855212	112855283	
TJU_CMC.ID06473.hairpin	16347	12	+	112860311	112860383	
TJU_CMC.ID06474.hairpin	16348	12	+	113022361	113022433	
TJU_CMC.ID06475.hairpin	16349	12	+	113070442	113070511	
TJU_CMC.ID06476.hairpin	16350	12	+	113076879	113076950	
TJU_CMC.ID06477.hairpin	16351	12	-	113298944	113299015	
TJU_CMC.ID06478.hairpin	16352	12	+	113573768	113573839	
TJU_CMC.ID06479.hairpin	16353	12	-	113574817	113574888	

Table 1. Novel miRNA sequences

TJU_CMC.ID06480.hairpin	16354	12	-	113599854	113599925
TJU_CMC.ID06481.hairpin	16355	12	+	113624206	113624277
TJU_CMC.ID06482.hairpin	16356	12	-	114180367	114180439
TJU_CMC.ID06483.hairpin	16357	12	+	114347662	114347734
TJU_CMC.ID06484.hairpin	16358	12	+	114352950	114353023
TJU_CMC.ID06485.hairpin	16359	12	-	114567053	114567125
TJU_CMC.ID06486.hairpin	16360	12	+	114590140	114590211
TJU_CMC.ID06487.hairpin	16361	12	+	114668525	114668597
TJU_CMC.ID06488.hairpin	16362	12	-	115109825	115109898
TJU_CMC.ID06489.hairpin	16363	12	-	115135088	115135160
TJU_CMC.ID06490.hairpin	16364	12	+	115196600	115196671
TJU_CMC.ID06491.hairpin	16365	12	-	115287289	115287360
TJU_CMC.ID06492.hairpin	16366	12	+	115479441	115479511
TJU_CMC.ID06493.hairpin	16367	12	-	115783925	115783994
TJU_CMC.ID06494.hairpin	16368	12	-	115953333	115953406
TJU_CMC.ID06495.hairpin	16369	12	-	115969392	115969463
TJU_CMC.ID06496.hairpin	16370	12	+	116061842	116061915
TJU_CMC.ID06497.hairpin	16371	12	-	116102806	116102878
TJU_CMC.ID06498.hairpin	16372	12	-	116286423	116286493
TJU_CMC.ID06499.hairpin	16373	12	+	116396075	116396146
TJU_CMC.ID06500.hairpin	16374	12	-	116489007	116489079
TJU_CMC.ID06501.hairpin	16375	12	-	116793075	116793147
TJU_CMC.ID06502.hairpin	16376	12	-	117237918	117237988
TJU_CMC.ID06503.hairpin	16377	12	+	117262690	117262762
TJU_CMC.ID06504.hairpin	16378	12	-	117318938	117319011
TJU_CMC.ID06505.hairpin	16379	12	-	117424936	117425005
TJU_CMC.ID06506.hairpin	16380	12	+	117510531	117510602
TJU_CMC.ID06507.hairpin	16381	12	+	117537206	117537276
TJU_CMC.ID06508.hairpin	16382	12	+	117589688	117589760
TJU_CMC.ID06509.hairpin	16383	12	-	117838914	117838985
TJU_CMC.ID06510.hairpin	16384	12	-	117850014	117850083

Table 1. Novel miRNA sequences

TJU_CMC.ID06511.hairpin	16385	12	-	118381675	118381746
TJU_CMC.ID06512.hairpin	16386	12	+	118403429	118403500
TJU_CMC.ID06513.hairpin	16387	12	-	118458706	118458776
TJU_CMC.ID06514.hairpin	16388	12	+	118470302	118470372
TJU_CMC.ID06515.hairpin	16389	12	+	119056361	119056431
TJU_CMC.ID06516.hairpin	16390	12	-	119484130	119484201
TJU_CMC.ID06517.hairpin	16391	12	-	119597908	119597978
TJU_CMC.ID06518.hairpin	16392	12	+	120195835	120195906
TJU_CMC.ID06519.hairpin	16393	12	-	120260199	120260270
TJU_CMC.ID06520.hairpin	16394	12	-	120386579	120386649
TJU_CMC.ID06521.hairpin	16395	12	-	120421947	120422016
TJU_CMC.ID06522.hairpin	16396	12	+	120516060	120516132
TJU_CMC.ID06523.hairpin	16397	12	-	120636480	120636550
TJU_CMC.ID06524.hairpin	16398	12	+	120705246	120705315
TJU_CMC.ID06525.hairpin	16399	12	-	121022279	121022350
TJU_CMC.ID06526.hairpin	16400	12	-	121340788	121340860
TJU_CMC.ID06527.hairpin	16401	12	-	121774501	121774573
TJU_CMC.ID06528.hairpin	16402	12	-	121828825	121828897
TJU_CMC.ID06529.hairpin	16403	12	+	121946342	121946414
TJU_CMC.ID06530.hairpin	16404	12	-	122147634	122147703
TJU_CMC.ID06531.hairpin	16405	12	+	122419385	122419457
TJU_CMC.ID06532.hairpin	16406	12	+	123102872	123102944
TJU_CMC.ID06533.hairpin	16407	12	+	123237422	123237495
TJU_CMC.ID06534.hairpin	16408	12	-	123328022	123328091
TJU_CMC.ID06535.hairpin	16409	12	+	123463232	123463305
TJU_CMC.ID06536.hairpin	16410	12	-	123497804	123497877
TJU_CMC.ID06537.hairpin	16411	12	+	123544079	123544150
TJU_CMC.ID06538.hairpin	16412	12	-	123635888	123635959
TJU_CMC.ID06539.hairpin	16413	12	-	124235033	124235104
TJU_CMC.ID06540.hairpin	16414	12	-	124745311	124745384
TJU_CMC.ID06541.hairpin	16415	12	-	124838011	124838082

Table 1. Novel miRNA sequences

TJU_CMC.ID06542.hairpin	16416	12	+	124991012	124991085
TJU_CMC.ID06543.hairpin	16417	12	-	125333383	125333455
TJU_CMC.ID06544.hairpin	16418	12	+	125899708	125899779
TJU_CMC.ID06545.hairpin	16419	12	+	126337795	126337865
TJU_CMC.ID06546.hairpin	16420	12	-	127444433	127444502
TJU_CMC.ID06547.hairpin	16421	12	+	127648127	127648196
TJU_CMC.ID06548.hairpin	16422	12	+	128165119	128165188
TJU_CMC.ID06549.hairpin	16423	12	-	128519686	128519755
TJU_CMC.ID06550.hairpin	16424	12	-	128658856	128658927
TJU_CMC.ID06551.hairpin	16425	12	-	128877040	128877113
TJU_CMC.ID06552.hairpin	16426	12	+	129231639	129231711
TJU_CMC.ID06553.hairpin	16427	12	+	129376299	129376371
TJU_CMC.ID06554.hairpin	16428	12	-	129378668	129378740
TJU_CMC.ID06555.hairpin	16429	12	-	129441494	129441565
TJU_CMC.ID06556.hairpin	16430	12	-	129507463	129507534
TJU_CMC.ID06557.hairpin	16431	12	-	129598822	129598892
TJU_CMC.ID06558.hairpin	16432	12	-	130226963	130227036
TJU_CMC.ID06559.hairpin	16433	12	-	130227535	130227608
TJU_CMC.ID06560.hairpin	16434	12	-	130357964	130358035
TJU_CMC.ID06561.hairpin	16435	12	-	130527339	130527412
TJU_CMC.ID06562.hairpin	16436	12	+	130558895	130558968
TJU_CMC.ID06563.hairpin	16437	12	+	130567172	130567244
TJU_CMC.ID06564.hairpin	16438	12	+	130801451	130801523
TJU_CMC.ID06565.hairpin	16439	12	+	131572909	131572979
TJU_CMC.ID06566.hairpin	16440	12	-	131680804	131680875
TJU_CMC.ID06567.hairpin	16441	12	+	131812110	131812182
TJU_CMC.ID06568.hairpin	16442	12	+	131893721	131893792
TJU_CMC.ID06569.hairpin	16443	12	+	131906276	131906347
TJU_CMC.ID06570.hairpin	16444	12	-	131948809	131948880
TJU_CMC.ID06571.hairpin	16445	12	-	132184075	132184144
TJU_CMC.ID06572.hairpin	16446	12	+	132409548	132409619

Table 1. Novel miRNA sequences

TJU_CMC.ID06573.hairpin	16447	12	-	132550469	132550540
TJU_CMC.ID06574.hairpin	16448	12	+	132596678	132596750
TJU_CMC.ID06575.hairpin	16449	12	+	132624430	132624502
TJU_CMC.ID06576.hairpin	16450	12	-	132666535	132666607
TJU_CMC.ID06577.hairpin	16451	12	+	132929614	132929685
TJU_CMC.ID06578.hairpin	16452	12	+	133375262	133375334
TJU_CMC.ID06579.hairpin	16453	12	+	133378717	133378790
TJU_CMC.ID06580.hairpin	16454	13	-	19555413	19555484
TJU_CMC.ID06581.hairpin	16455	13	-	19842087	19842159
TJU_CMC.ID06582.hairpin	16456	13	+	20238891	20238961
TJU_CMC.ID06583.hairpin	16457	13	+	20930693	20930764
TJU_CMC.ID06584.hairpin	16458	13	+	20989867	20989936
TJU_CMC.ID06585.hairpin	16459	13	+	21510812	21510881
TJU_CMC.ID06586.hairpin	16460	13	+	22057979	22058050
TJU_CMC.ID06587.hairpin	16461	13	-	22092516	22092588
TJU_CMC.ID06588.hairpin	16462	13	-	23043298	23043368
TJU_CMC.ID06589.hairpin	16463	13	+	23091680	23091753
TJU_CMC.ID06590.hairpin	16464	13	+	23220047	23220118
TJU_CMC.ID06591.hairpin	16465	13	-	23300405	23300474
TJU_CMC.ID06592.hairpin	16466	13	+	23737560	23737631
TJU_CMC.ID06593.hairpin	16467	13	+	24173133	24173206
TJU_CMC.ID06594.hairpin	16468	13	+	24270575	24270644
TJU_CMC.ID06595.hairpin	16469	13	+	24384818	24384890
TJU_CMC.ID06596.hairpin	16470	13	-	24410693	24410764
TJU_CMC.ID06597.hairpin	16471	13	+	24425406	24425477
TJU_CMC.ID06598.hairpin	16472	13	-	24567366	24567435
TJU_CMC.ID06599.hairpin	16473	13	-	24645677	24645747
TJU_CMC.ID06600.hairpin	16474	13	+	24679847	24679918
TJU_CMC.ID06601.hairpin	16475	13	-	24794763	24794834
TJU_CMC.ID06602.hairpin	16476	13	-	25721928	25721999
TJU_CMC.ID06603.hairpin	16477	13	-	26330863	26330935

Table 1. Novel miRNA sequences

TJU_CMC.ID06604.hairpin	16478	13	+	26514896	26514966
TJU_CMC.ID06605.hairpin	16479	13	-	26952868	26952941
TJU_CMC.ID06606.hairpin	16480	13	+	27355327	27355396
TJU_CMC.ID06607.hairpin	16481	13	+	27513371	27513442
TJU_CMC.ID06608.hairpin	16482	13	-	27787286	27787356
TJU_CMC.ID06609.hairpin	16483	13	-	27906726	27906798
TJU_CMC.ID06610.hairpin	16484	13	-	27921549	27921622
TJU_CMC.ID06611.hairpin	16485	13	-	28020533	28020604
TJU_CMC.ID06612.hairpin	16486	13	+	28343882	28343954
TJU_CMC.ID06613.hairpin	16487	13	+	28434417	28434489
TJU_CMC.ID06614.hairpin	16488	13	+	28711784	28711856
TJU_CMC.ID06615.hairpin	16489	13	-	28902796	28902866
TJU_CMC.ID06616.hairpin	16490	13	+	29644724	29644797
TJU_CMC.ID06617.hairpin	16491	13	-	30256665	30256734
TJU_CMC.ID06618.hairpin	16492	13	+	30685210	30685281
TJU_CMC.ID06619.hairpin	16493	13	-	30848594	30848665
TJU_CMC.ID06620.hairpin	16494	13	+	31774666	31774738
TJU_CMC.ID06621.hairpin	16495	13	-	31939912	31939984
TJU_CMC.ID06622.hairpin	16496	13	+	31948204	31948275
TJU_CMC.ID06623.hairpin	16497	13	+	32469962	32470035
TJU_CMC.ID06624.hairpin	16498	13	+	33029225	33029295
TJU_CMC.ID06625.hairpin	16499	13	+	34006092	34006163
TJU_CMC.ID06626.hairpin	16500	13	-	34267594	34267665
TJU_CMC.ID06627.hairpin	16501	13	-	34911125	34911198
TJU_CMC.ID06628.hairpin	16502	13	-	34945238	34945307
TJU_CMC.ID06629.hairpin	16503	13	-	35194091	35194163
TJU_CMC.ID06630.hairpin	16504	13	+	35970698	35970770
TJU_CMC.ID06631.hairpin	16505	13	-	36590306	36590376
TJU_CMC.ID06632.hairpin	16506	13	+	37107853	37107924
TJU_CMC.ID06633.hairpin	16507	13	-	37422606	37422679
TJU_CMC.ID06634.hairpin	16508	13	+	37802113	37802185

Table 1. Novel miRNA sequences

TJU_CMC.ID06635.hairpin	16509	13	+	37963063	37963135	
TJU_CMC.ID06636.hairpin	16510	13	+	38409439	38409510	
TJU_CMC.ID06637.hairpin	16511	13	-	38493773	38493845	
TJU_CMC.ID06638.hairpin	16512	13	+	38618573	38618644	
TJU_CMC.ID06639.hairpin	16513	13	+	39131955	39132028	
TJU_CMC.ID06640.hairpin	16514	13	+	39693479	39693548	
TJU_CMC.ID06641.hairpin	16515	13	-	39820825	39820896	
TJU_CMC.ID06642.hairpin	16516	13	-	40229680	40229753	
TJU_CMC.ID06643.hairpin	16517	13	+	40528758	40528830	
TJU_CMC.ID06644.hairpin	16518	13	-	40769963	40770033	
TJU_CMC.ID06645.hairpin	16519	13	-	40781262	40781331	
TJU_CMC.ID06646.hairpin	16520	13	+	41130408	41130479	
TJU_CMC.ID06647.hairpin	16521	13	-	41707772	41707843	
TJU_CMC.ID06648.hairpin	16522	13	+	41943748	41943820	
TJU_CMC.ID06649.hairpin	16523	13	+	42269849	42269921	
TJU_CMC.ID06650.hairpin	16524	13	-	42318280	42318353	
TJU_CMC.ID06651.hairpin	16525	13	-	42738288	42738361	
TJU_CMC.ID06652.hairpin	16526	13	-	42936640	42936712	
TJU_CMC.ID06653.hairpin	16527	13	-	43837240	43837310	
TJU_CMC.ID06654.hairpin	16528	13	+	43837250	43837322	
TJU_CMC.ID06655.hairpin	16529	13	+	44226273	44226344	
TJU_CMC.ID06657.hairpin	16530	13	-	46267133	46267205	
TJU_CMC.ID06658.hairpin	16531	13	-	46310342	46310411	
TJU_CMC.ID06659.hairpin	16532	13	+	46356959	46357031	
TJU_CMC.ID06660.hairpin	16533	13	+	46938862	46938934	
TJU_CMC.ID06661.hairpin	16534	13	+	47127615	47127686	
TJU_CMC.ID06662.hairpin	16535	13	+	47266637	47266706	
TJU_CMC.ID06663.hairpin	16536	13	-	48714297	48714368	
TJU_CMC.ID06664.hairpin	16537	13	+	49305785	49305858	
TJU_CMC.ID06665.hairpin	16538	13	-	49668686	49668758	
TJU_CMC.ID06666.hairpin	16539	13	-	50164388	50164459	

Table 1. Novel miRNA sequences

TJU_CMC.ID06667.hairpin	16540	13	+	50195975	50196047	
TJU_CMC.ID06668.hairpin	16541	13	-	50371445	50371518	
TJU_CMC.ID06669.hairpin	16542	13	+	50475648	50475719	
TJU_CMC.ID06670.hairpin	16543	13	-	50617119	50617191	
TJU_CMC.ID06671.hairpin	16544	13	+	51036810	51036881	
TJU_CMC.ID06672.hairpin	16545	13	-	51282935	51283007	
TJU_CMC.ID06673.hairpin	16546	13	+	51307335	51307404	
TJU_CMC.ID06674.hairpin	16547	13	+	51394669	51394740	
TJU_CMC.ID06675.hairpin	16548	13	-	51499669	51499739	
TJU_CMC.ID06676.hairpin	16549	13	+	51836915	51836985	
TJU_CMC.ID06677.hairpin	16550	13	-	51924286	51924358	
TJU_CMC.ID06678.hairpin	16551	13	+	52100721	52100792	
TJU_CMC.ID06679.hairpin	16552	13	-	52353920	52353991	
TJU_CMC.ID06680.hairpin	16553	13	-	52415114	52415183	
TJU_CMC.ID06681.hairpin	16554	13	-	52467722	52467791	
TJU_CMC.ID06682.hairpin	16555	13	-	52479664	52479737	
TJU_CMC.ID06683.hairpin	16556	13	-	52626588	52626660	
TJU_CMC.ID06684.hairpin	16557	13	-	52919905	52919976	
TJU_CMC.ID06685.hairpin	16558	13	+	53438187	53438257	
TJU_CMC.ID06686.hairpin	16559	13	-	53502403	53502475	
TJU_CMC.ID06687.hairpin	16560	13	-	53534830	53534901	
TJU_CMC.ID06688.hairpin	16561	13	+	53682165	53682238	
TJU_CMC.ID06689.hairpin	16562	13	-	53729856	53729929	
TJU_CMC.ID06690.hairpin	16563	13	+	54950438	54950511	
TJU_CMC.ID06691.hairpin	16564	13	-	55141510	55141580	
TJU_CMC.ID06692.hairpin	16565	13	+	55796785	55796854	
TJU_CMC.ID06693.hairpin	16566	13	-	56090866	56090937	
TJU_CMC.ID06694.hairpin	16567	13	+	56721073	56721144	
TJU_CMC.ID06695.hairpin	16568	13	-	56835234	56835305	
TJU_CMC.ID06696.hairpin	16569	13	+	57326711	57326784	
TJU_CMC.ID06697.hairpin	16570	13	+	57518424	57518495	

Table 1. Novel miRNA sequences

TJU_CMC.ID06698.hairpin	16571	13	+	58431280	58431351
TJU_CMC.ID06699.hairpin	16572	13	-	59755282	59755352
TJU_CMC.ID06700.hairpin	16573	13	+	59835821	59835894
TJU_CMC.ID06701.hairpin	16574	13	-	60035124	60035194
TJU_CMC.ID06702.hairpin	16575	13	-	61095347	61095419
TJU_CMC.ID06703.hairpin	16576	13	+	61096964	61097036
TJU_CMC.ID06704.hairpin	16577	13	+	61454692	61454763
TJU_CMC.ID06705.hairpin	16578	13	+	62069284	62069356
TJU_CMC.ID06706.hairpin	16579	13	-	62741181	62741252
TJU_CMC.ID06707.hairpin	16580	13	-	62773150	62773223
TJU_CMC.ID06708.hairpin	16581	13	-	62833935	62834006
TJU_CMC.ID06709.hairpin	16582	13	+	64017709	64017778
TJU_CMC.ID06710.hairpin	16583	13	+	64055794	64055863
TJU_CMC.ID06711.hairpin	16584	13	+	64272924	64272995
TJU_CMC.ID06712.hairpin	16585	13	-	64418426	64418495
TJU_CMC.ID06713.hairpin	16586	13	-	64621760	64621830
TJU_CMC.ID06714.hairpin	16587	13	-	65659748	65659819
TJU_CMC.ID06715.hairpin	16588	13	-	66144554	66144626
TJU_CMC.ID06716.hairpin	16589	13	-	66487180	66487251
TJU_CMC.ID06717.hairpin	16590	13	+	66699141	66699211
TJU_CMC.ID06718.hairpin	16591	13	-	67943745	67943816
TJU_CMC.ID06719.hairpin	16592	13	-	68221633	68221704
TJU_CMC.ID06720.hairpin	16593	13	+	68345577	68345648
TJU_CMC.ID06721.hairpin	16594	13	-	68437135	68437206
TJU_CMC.ID06722.hairpin	16595	13	-	69717140	69717213
TJU_CMC.ID06723.hairpin	16596	13	+	71361629	71361701
TJU_CMC.ID06724.hairpin	16597	13	-	71413113	71413186
TJU_CMC.ID06725.hairpin	16598	13	-	71461147	71461217
TJU_CMC.ID06726.hairpin	16599	13	-	71607160	71607230
TJU_CMC.ID06727.hairpin	16600	13	-	72438739	72438808
TJU_CMC.ID06728.hairpin	16601	13	+	72534135	72534206

Table 1. Novel miRNA sequences

TJU_CMC.ID06729.hairpin	16602	13	-	73153111	73153181	
TJU_CMC.ID06730.hairpin	16603	13	+	73331903	73331973	
TJU_CMC.ID06731.hairpin	16604	13	+	73785987	73786059	
TJU_CMC.ID06732.hairpin	16605	13	-	75123582	75123655	
TJU_CMC.ID06733.hairpin	16606	13	-	75157086	75157158	
TJU_CMC.ID06734.hairpin	16607	13	+	76521780	76521851	
TJU_CMC.ID06735.hairpin	16608	13	+	76607223	76607294	
TJU_CMC.ID06736.hairpin	16609	13	+	76985005	76985077	
TJU_CMC.ID06737.hairpin	16610	13	-	77122965	77123038	
TJU_CMC.ID06738.hairpin	16611	13	+	77299995	77300065	
TJU_CMC.ID06739.hairpin	16612	13	+	77532148	77532218	
TJU_CMC.ID06740.hairpin	16613	13	-	78211647	78211718	
TJU_CMC.ID06741.hairpin	16614	13	+	78604123	78604195	
TJU_CMC.ID06742.hairpin	16615	13	+	79149712	79149783	
TJU_CMC.ID06743.hairpin	16616	13	-	79191189	79191260	
TJU_CMC.ID06744.hairpin	16617	13	+	79749254	79749323	
TJU_CMC.ID06745.hairpin	16618	13	-	79749258	79749327	
TJU_CMC.ID06746.hairpin	16619	13	-	79820471	79820542	
TJU_CMC.ID06747.hairpin	16620	13	-	80999351	80999422	
TJU_CMC.ID06748.hairpin	16621	13	-	81416476	81416547	
TJU_CMC.ID06749.hairpin	16622	13	-	81432416	81432488	
TJU_CMC.ID06750.hairpin	16623	13	+	81717113	81717185	
TJU_CMC.ID06751.hairpin	16624	13	-	81899953	81900024	
TJU_CMC.ID06752.hairpin	16625	13	-	82063859	82063930	
TJU_CMC.ID06753.hairpin	16626	13	+	83016443	83016515	
TJU_CMC.ID06754.hairpin	16627	13	+	84766353	84766424	
TJU_CMC.ID06755.hairpin	16628	13	+	85310316	85310385	
TJU_CMC.ID06756.hairpin	16629	13	+	87440076	87440146	
TJU_CMC.ID06757.hairpin	16630	13	+	88024370	88024441	
TJU_CMC.ID06758.hairpin	16631	13	+	88042116	88042188	
TJU_CMC.ID06759.hairpin	16632	13	+	88131092	88131165	

Table 1. Novel miRNA sequences

TJU_CMC.ID06760.hairpin	16633	13	-	88584868	88584939	
TJU_CMC.ID06761.hairpin	16634	13	-	88625524	88625596	
TJU_CMC.ID06762.hairpin	16635	13	+	89723583	89723653	
TJU_CMC.ID06763.hairpin	16636	13	-	89965165	89965237	
TJU_CMC.ID06764.hairpin	16637	13	+	90078589	90078660	
TJU_CMC.ID06765.hairpin	16638	13	-	91028278	91028349	
TJU_CMC.ID06766.hairpin	16639	13	-	91034329	91034402	
TJU_CMC.ID06767.hairpin	16640	13	+	91529462	91529533	
TJU_CMC.ID06768.hairpin	16641	13	-	91567482	91567552	
TJU_CMC.ID06769.hairpin	16642	13	-	92003321	92003393	
TJU_CMC.ID06770.hairpin	16643	13	-	92098530	92098599	
TJU_CMC.ID06771.hairpin	16644	13	-	92196320	92196392	
TJU_CMC.ID06772.hairpin	16645	13	+	92308203	92308275	
TJU_CMC.ID06773.hairpin	16646	13	-	92360106	92360178	
TJU_CMC.ID06774.hairpin	16647	13	+	92399550	92399621	
TJU_CMC.ID06775.hairpin	16648	13	+	93015520	93015589	
TJU_CMC.ID06776.hairpin	16649	13	-	93334236	93334309	
TJU_CMC.ID06777.hairpin	16650	13	-	93396227	93396296	
TJU_CMC.ID06778.hairpin	16651	13	+	93435539	93435610	
TJU_CMC.ID06779.hairpin	16652	13	-	93547575	93547647	
TJU_CMC.ID06780.hairpin	16653	13	-	94188566	94188637	
TJU_CMC.ID06781.hairpin	16654	13	+	94375812	94375881	
TJU_CMC.ID06782.hairpin	16655	13	+	94531000	94531069	
TJU_CMC.ID06783.hairpin	16656	13	+	94741379	94741450	
TJU_CMC.ID06784.hairpin	16657	13	-	94776902	94776975	
TJU_CMC.ID06785.hairpin	16658	13	-	95055292	95055364	
TJU_CMC.ID06786.hairpin	16659	13	+	95148911	95148981	
TJU_CMC.ID06787.hairpin	16660	13	+	95329889	95329961	
TJU_CMC.ID06788.hairpin	16661	13	+	95903051	95903122	
TJU_CMC.ID06789.hairpin	16662	13	+	96421863	96421936	
TJU_CMC.ID06790.hairpin	16663	13	-	96564593	96564666	

Table 1. Novel miRNA sequences

TJU_CMC.ID06791.hairpin	16664	13	-	97886855	97886927	
TJU_CMC.ID06792.hairpin	16665	13	-	97949668	97949739	
TJU_CMC.ID06793.hairpin	16666	13	-	98274733	98274804	
TJU_CMC.ID06794.hairpin	16667	13	+	98793110	98793180	
TJU_CMC.ID06795.hairpin	16668	13	-	98793502	98793572	
TJU_CMC.ID06796.hairpin	16669	13	-	99035657	99035729	
TJU_CMC.ID06797.hairpin	16670	13	+	99200292	99200363	
TJU_CMC.ID06798.hairpin	16671	13	-	99356488	99356557	
TJU_CMC.ID06799.hairpin	16672	13	-	99380111	99380183	
TJU_CMC.ID06800.hairpin	16673	13	+	99653182	99653254	
TJU_CMC.ID06801.hairpin	16674	13	+	99996233	99996305	
TJU_CMC.ID06802.hairpin	16675	13	-	100078354	100078425	
TJU_CMC.ID06803.hairpin	16676	13	+	100153634	100153706	
TJU_CMC.ID06804.hairpin	16677	13	+	100315329	100315402	
TJU_CMC.ID06805.hairpin	16678	13	+	100652826	100652898	
TJU_CMC.ID06806.hairpin	16679	13	-	100682888	100682957	
TJU_CMC.ID06807.hairpin	16680	13	-	100864828	100864898	
TJU_CMC.ID06808.hairpin	16681	13	-	101185206	101185275	
TJU_CMC.ID06809.hairpin	16682	13	-	101612548	101612620	
TJU_CMC.ID06810.hairpin	16683	13	-	102530392	102530463	
TJU_CMC.ID06811.hairpin	16684	13	+	102686017	102686089	
TJU_CMC.ID06812.hairpin	16685	13	+	103082762	103082834	
TJU_CMC.ID06813.hairpin	16686	13	-	103154588	103154659	
TJU_CMC.ID06814.hairpin	16687	13	-	103871108	103871177	
TJU_CMC.ID06815.hairpin	16688	13	+	104149986	104150057	
TJU_CMC.ID06816.hairpin	16689	13	+	104197598	104197671	
TJU_CMC.ID06817.hairpin	16690	13	+	104870626	104870699	
TJU_CMC.ID06818.hairpin	16691	13	+	104989791	104989861	
TJU_CMC.ID06819.hairpin	16692	13	-	105167144	105167217	
TJU_CMC.ID06820.hairpin	16693	13	-	105278096	105278166	
TJU_CMC.ID06821.hairpin	16694	13	+	105430397	105430466	

Table 1. Novel miRNA sequences

TJU_CMC.ID06822.hairpin	16695	13	-	105527944	105528015
TJU_CMC.ID06823.hairpin	16696	13	+	106402046	106402119
TJU_CMC.ID06824.hairpin	16697	13	-	106756721	106756792
TJU_CMC.ID06825.hairpin	16698	13	-	106761687	106761758
TJU_CMC.ID06826.hairpin	16699	13	+	107283290	107283360
TJU_CMC.ID06827.hairpin	16700	13	-	107509873	107509945
TJU_CMC.ID06828.hairpin	16701	13	-	107611916	107611986
TJU_CMC.ID06829.hairpin	16702	13	-	107911612	107911685
TJU_CMC.ID06830.hairpin	16703	13	-	108324777	108324848
TJU_CMC.ID06831.hairpin	16704	13	+	108385583	108385654
TJU_CMC.ID06832.hairpin	16705	13	+	108594153	108594224
TJU_CMC.ID06833.hairpin	16706	13	-	108679118	108679190
TJU_CMC.ID06834.hairpin	16707	13	-	109755157	109755230
TJU_CMC.ID06835.hairpin	16708	13	-	109797655	109797728
TJU_CMC.ID06836.hairpin	16709	13	+	109930058	109930131
TJU_CMC.ID06837.hairpin	16710	13	+	110015716	110015788
TJU_CMC.ID06838.hairpin	16711	13	-	110117815	110117888
TJU_CMC.ID06839.hairpin	16712	13	+	110171845	110171917
TJU_CMC.ID06840.hairpin	16713	13	+	110509750	110509819
TJU_CMC.ID06841.hairpin	16714	13	-	110657057	110657130
TJU_CMC.ID06842.hairpin	16715	13	+	110724563	110724635
TJU_CMC.ID06843.hairpin	16716	13	-	110771505	110771577
TJU_CMC.ID06844.hairpin	16717	13	-	110775736	110775807
TJU_CMC.ID06845.hairpin	16718	13	+	110775999	110776072
TJU_CMC.ID06846.hairpin	16719	13	-	110955792	110955863
TJU_CMC.ID06847.hairpin	16720	13	+	111075414	111075484
TJU_CMC.ID06848.hairpin	16721	13	+	111609483	111609552
TJU_CMC.ID06849.hairpin	16722	13	-	111672418	111672491
TJU_CMC.ID06850.hairpin	16723	13	+	111703567	111703639
TJU_CMC.ID06851.hairpin	16724	13	+	111767855	111767927
TJU_CMC.ID06852.hairpin	16725	13	+	111835225	111835297

Table 1. Novel miRNA sequences

TJU_CMC.ID06853.hairpin	16726	13	+	112169684	112169753
TJU_CMC.ID06854.hairpin	16727	13	+	112265451	112265521
TJU_CMC.ID06855.hairpin	16728	13	+	112333581	112333650
TJU_CMC.ID06856.hairpin	16729	13	+	112711703	112711775
TJU_CMC.ID06857.hairpin	16730	13	-	112758119	112758191
TJU_CMC.ID06858.hairpin	16731	13	-	113054851	113054921
TJU_CMC.ID06859.hairpin	16732	13	-	113110034	113110105
TJU_CMC.ID06860.hairpin	16733	13	-	113112252	113112323
TJU_CMC.ID06861.hairpin	16734	13	+	113242890	113242962
TJU_CMC.ID06862.hairpin	16735	13	+	113254734	113254805
TJU_CMC.ID06863.hairpin	16736	13	-	113342816	113342889
TJU_CMC.ID06864.hairpin	16737	13	-	113875529	113875601
TJU_CMC.ID06865.hairpin	16738	13	+	114265435	114265504
TJU_CMC.ID06866.hairpin	16739	13	+	114750775	114750844
TJU_CMC.ID06867.hairpin	16740	13	+	114808289	114808361
TJU_CMC.ID06868.hairpin	16741	13	+	114885027	114885098
TJU_CMC.ID06869.hairpin	16742	14	-	19268164	19268233
TJU_CMC.ID06870.hairpin	16743	14	-	20376846	20376917
TJU_CMC.ID06871.hairpin	16744	14	+	20444440	20444510
TJU_CMC.ID06872.hairpin	16745	14	-	21054408	21054480
TJU_CMC.ID06873.hairpin	16746	14	+	21272472	21272543
TJU_CMC.ID06874.hairpin	16747	14	+	21663911	21663981
TJU_CMC.ID06875.hairpin	16748	14	-	21994159	21994231
TJU_CMC.ID06876.hairpin	16749	14	+	22216729	22216801
TJU_CMC.ID06877.hairpin	16750	14	-	22518957	22519028
TJU_CMC.ID06878.hairpin	16751	14	+	22650407	22650476
TJU_CMC.ID06879.hairpin	16752	14	+	23356248	23356320
TJU_CMC.ID06880.hairpin	16753	14	+	23835057	23835128
TJU_CMC.ID06881.hairpin	16754	14	+	24002980	24003051
TJU_CMC.ID06882.hairpin	16755	14	+	24118167	24118238
TJU_CMC.ID06883.hairpin	16756	14	-	24370657	24370729

Table 1. Novel miRNA sequences

TJU_CMC.ID06884.hairpin	16757	14	+	24563397	24563468
TJU_CMC.ID06885.hairpin	16758	14	-	24885326	24885395
TJU_CMC.ID06886.hairpin	16759	14	+	24972190	24972261
TJU_CMC.ID06887.hairpin	16760	14	-	25489339	25489411
TJU_CMC.ID06888.hairpin	16761	14	+	25733312	25733383
TJU_CMC.ID06889.hairpin	16762	14	-	25988978	25989047
TJU_CMC.ID06890.hairpin	16763	14	-	26533486	26533559
TJU_CMC.ID06891.hairpin	16764	14	-	26575037	26575107
TJU_CMC.ID06892.hairpin	16765	14	-	27248410	27248482
TJU_CMC.ID06893.hairpin	16766	14	-	27519318	27519389
TJU_CMC.ID06894.hairpin	16767	14	+	27524672	27524744
TJU_CMC.ID06895.hairpin	16768	14	+	28825513	28825584
TJU_CMC.ID06896.hairpin	16769	14	+	28961013	28961084
TJU_CMC.ID06897.hairpin	16770	14	-	28973737	28973807
TJU_CMC.ID06898.hairpin	16771	14	-	29034285	29034355
TJU_CMC.ID06899.hairpin	16772	14	+	29155465	29155536
TJU_CMC.ID06900.hairpin	16773	14	+	29279738	29279811
TJU_CMC.ID06901.hairpin	16774	14	+	29526627	29526700
TJU_CMC.ID06902.hairpin	16775	14	-	30085225	30085297
TJU_CMC.ID06903.hairpin	16776	14	+	30146143	30146216
TJU_CMC.ID06904.hairpin	16777	14	-	30225178	30225251
TJU_CMC.ID06905.hairpin	16778	14	+	30294109	30294180
TJU_CMC.ID06906.hairpin	16779	14	-	30421391	30421464
TJU_CMC.ID06907.hairpin	16780	14	-	30433692	30433765
TJU_CMC.ID06908.hairpin	16781	14	+	31565820	31565891
TJU_CMC.ID06909.hairpin	16782	14	+	32672546	32672616
TJU_CMC.ID06910.hairpin	16783	14	-	32796670	32796743
TJU_CMC.ID06911.hairpin	16784	14	-	33985709	33985780
TJU_CMC.ID06912.hairpin	16785	14	+	34529322	34529394
TJU_CMC.ID06913.hairpin	16786	14	-	34575302	34575375
TJU_CMC.ID06914.hairpin	16787	14	-	34797640	34797713

Table 1. Novel miRNA sequences

TJU_CMC.ID06915.hairpin	16788	14	-	34802397	34802466
TJU_CMC.ID06916.hairpin	16789	14	-	35402691	35402764
TJU_CMC.ID06917.hairpin	16790	14	-	35770810	35770880
TJU_CMC.ID06918.hairpin	16791	14	-	35784188	35784260
TJU_CMC.ID06919.hairpin	16792	14	-	36699170	36699241
TJU_CMC.ID06920.hairpin	16793	14	+	37206213	37206286
TJU_CMC.ID06921.hairpin	16794	14	-	37209234	37209304
TJU_CMC.ID06922.hairpin	16795	14	-	37336214	37336286
TJU_CMC.ID06923.hairpin	16796	14	+	37376866	37376937
TJU_CMC.ID06924.hairpin	16797	14	-	37591756	37591827
TJU_CMC.ID06925.hairpin	16798	14	-	37641794	37641865
TJU_CMC.ID06926.hairpin	16799	14	-	38067644	38067716
TJU_CMC.ID06927.hairpin	16800	14	-	38070845	38070917
TJU_CMC.ID06928.hairpin	16801	14	-	38830616	38830687
TJU_CMC.ID06929.hairpin	16802	14	-	38982242	38982312
TJU_CMC.ID06930.hairpin	16803	14	-	39351127	39351196
TJU_CMC.ID06931.hairpin	16804	14	+	39787921	39787992
TJU_CMC.ID06932.hairpin	16805	14	+	40225823	40225892
TJU_CMC.ID06933.hairpin	16806	14	+	40440036	40440108
TJU_CMC.ID06934.hairpin	16807	14	-	40463303	40463374
TJU_CMC.ID06935.hairpin	16808	14	-	41203849	41203922
TJU_CMC.ID06936.hairpin	16809	14	-	41221540	41221611
TJU_CMC.ID06937.hairpin	16810	14	-	41725982	41726053
TJU_CMC.ID06938.hairpin	16811	14	-	42333871	42333942
TJU_CMC.ID06939.hairpin	16812	14	-	42878301	42878374
TJU_CMC.ID06940.hairpin	16813	14	+	43123676	43123746
TJU_CMC.ID06941.hairpin	16814	14	-	43463451	43463521
TJU_CMC.ID06942.hairpin	16815	14	+	44093923	44093994
TJU_CMC.ID06943.hairpin	16816	14	-	44300187	44300258
TJU_CMC.ID06944.hairpin	16817	14	+	44662609	44662680
TJU_CMC.ID06945.hairpin	16818	14	-	44765952	44766023

Table 1. Novel miRNA sequences

TJU_CMC.ID06946.hairpin	16819	14	+	44897917	44897987
TJU_CMC.ID06947.hairpin	16820	14	+	44918804	44918873
TJU_CMC.ID06948.hairpin	16821	14	+	45027171	45027242
TJU_CMC.ID06949.hairpin	16822	14	-	45288368	45288440
TJU_CMC.ID06950.hairpin	16823	14	+	45915034	45915105
TJU_CMC.ID06951.hairpin	16824	14	+	46192221	46192292
TJU_CMC.ID06952.hairpin	16825	14	-	46360620	46360691
TJU_CMC.ID06953.hairpin	16826	14	+	46411676	46411749
TJU_CMC.ID06954.hairpin	16827	14	-	48407083	48407152
TJU_CMC.ID06955.hairpin	16828	14	+	48787879	48787950
TJU_CMC.ID06956.hairpin	16829	14	-	49039461	49039532
TJU_CMC.ID06957.hairpin	16830	14	-	49076875	49076946
TJU_CMC.ID06958.hairpin	16831	14	+	49946085	49946157
TJU_CMC.ID06959.hairpin	16832	14	-	50069393	50069462
TJU_CMC.ID06960.hairpin	16833	14	-	50540560	50540629
TJU_CMC.ID06961.hairpin	16834	14	-	51209512	51209581
TJU_CMC.ID06962.hairpin	16835	14	-	51296060	51296129
TJU_CMC.ID06963.hairpin	16836	14	+	51358782	51358851
TJU_CMC.ID06964.hairpin	16837	14	+	51495471	51495542
TJU_CMC.ID06965.hairpin	16838	14	+	51876963	51877036
TJU_CMC.ID06966.hairpin	16839	14	+	52392885	52392958
TJU_CMC.ID06967.hairpin	16840	14	-	53465224	53465293
TJU_CMC.ID06968.hairpin	16841	14	-	54546159	54546229
TJU_CMC.ID06969.hairpin	16842	14	-	54655938	54656011
TJU_CMC.ID06970.hairpin	16843	14	+	54802264	54802337
TJU_CMC.ID06971.hairpin	16844	14	-	55108394	55108467
TJU_CMC.ID06972.hairpin	16845	14	-	55224615	55224686
TJU_CMC.ID06973.hairpin	16846	14	-	55689518	55689589
TJU_CMC.ID06974.hairpin	16847	14	-	55903450	55903521
TJU_CMC.ID06975.hairpin	16848	14	+	56118245	56118318
TJU_CMC.ID06976.hairpin	16849	14	+	56289877	56289947

Table 1. Novel miRNA sequences

TJU_CMC.ID06977.hairpin	16850	14	+	57089811	57089884
TJU_CMC.ID06978.hairpin	16851	14	+	57180529	57180601
TJU_CMC.ID06979.hairpin	16852	14	+	57221558	57221630
TJU_CMC.ID06980.hairpin	16853	14	-	57221647	57221720
TJU_CMC.ID06981.hairpin	16854	14	-	57473625	57473696
TJU_CMC.ID06982.hairpin	16855	14	+	57520925	57520994
TJU_CMC.ID06983.hairpin	16856	14	-	58545765	58545835
TJU_CMC.ID06984.hairpin	16857	14	+	58671079	58671151
TJU_CMC.ID06985.hairpin	16858	14	-	58744138	58744210
TJU_CMC.ID06986.hairpin	16859	14	+	59112214	59112284
TJU_CMC.ID06987.hairpin	16860	14	-	59200364	59200436
TJU_CMC.ID06988.hairpin	16861	14	+	59654726	59654798
TJU_CMC.ID06989.hairpin	16862	14	-	59670447	59670519
TJU_CMC.ID06990.hairpin	16863	14	+	59748696	59748769
TJU_CMC.ID06991.hairpin	16864	14	+	60228950	60229021
TJU_CMC.ID06992.hairpin	16865	14	+	60486436	60486509
TJU_CMC.ID06993.hairpin	16866	14	+	60494942	60495014
TJU_CMC.ID06994.hairpin	16867	14	+	60702263	60702332
TJU_CMC.ID06995.hairpin	16868	14	-	60753416	60753487
TJU_CMC.ID06996.hairpin	16869	14	+	61638124	61638194
TJU_CMC.ID06997.hairpin	16870	14	+	61653417	61653489
TJU_CMC.ID06998.hairpin	16871	14	-	61673895	61673964
TJU_CMC.ID06999.hairpin	16872	14	+	62049023	62049095
TJU_CMC.ID07000.hairpin	16873	14	-	62203561	62203630
TJU_CMC.ID07001.hairpin	16874	14	-	62205025	62205095
TJU_CMC.ID07002.hairpin	16875	14	+	62361616	62361686
TJU_CMC.ID07003.hairpin	16876	14	+	62421782	62421853
TJU_CMC.ID07004.hairpin	16877	14	+	63175424	63175493
TJU_CMC.ID07005.hairpin	16878	14	-	63442378	63442450
TJU_CMC.ID07006.hairpin	16879	14	-	64290430	64290503
TJU_CMC.ID07007.hairpin	16880	14	-	65429100	65429173

Table 1. Novel miRNA sequences

TJU_CMC.ID07008.hairpin	16881	14	+	65849047	65849118
TJU_CMC.ID07009.hairpin	16882	14	+	66188597	66188668
TJU_CMC.ID07010.hairpin	16883	14	-	66704360	66704431
TJU_CMC.ID07011.hairpin	16884	14	-	66949934	66950005
TJU_CMC.ID07012.hairpin	16885	14	+	68310316	68310385
TJU_CMC.ID07013.hairpin	16886	14	+	68949687	68949758
TJU_CMC.ID07014.hairpin	16887	14	-	69027972	69028045
TJU_CMC.ID07015.hairpin	16888	14	-	69369868	69369939
TJU_CMC.ID07016.hairpin	16889	14	+	70402192	70402261
TJU_CMC.ID07017.hairpin	16890	14	-	70586093	70586164
TJU_CMC.ID07018.hairpin	16891	14	-	70619526	70619596
TJU_CMC.ID07019.hairpin	16892	14	+	70833811	70833882
TJU_CMC.ID07020.hairpin	16893	14	+	72386907	72386978
TJU_CMC.ID07021.hairpin	16894	14	+	73958548	73958618
TJU_CMC.ID07022.hairpin	16895	14	-	74706422	74706492
TJU_CMC.ID07023.hairpin	16896	14	-	74853377	74853448
TJU_CMC.ID07024.hairpin	16897	14	+	74859079	74859150
TJU_CMC.ID07025.hairpin	16898	14	-	75099211	75099283
TJU_CMC.ID07026.hairpin	16899	14	-	76024963	76025033
TJU_CMC.ID07027.hairpin	16900	14	-	76782053	76782125
TJU_CMC.ID07028.hairpin	16901	14	+	77198725	77198798
TJU_CMC.ID07029.hairpin	16902	14	+	77348550	77348622
TJU_CMC.ID07030.hairpin	16903	14	+	77815238	77815307
TJU_CMC.ID07031.hairpin	16904	14	-	77932502	77932574
TJU_CMC.ID07032.hairpin	16905	14	-	77946685	77946755
TJU_CMC.ID07033.hairpin	16906	14	+	77948984	77949055
TJU_CMC.ID07034.hairpin	16907	14	-	78196252	78196321
TJU_CMC.ID07035.hairpin	16908	14	-	78318526	78318599
TJU_CMC.ID07036.hairpin	16909	14	+	78347061	78347133
TJU_CMC.ID07037.hairpin	16910	14	-	78816007	78816078
TJU_CMC.ID07038.hairpin	16911	14	+	79207490	79207562

Table 1. Novel miRNA sequences

TJU_CMC.ID07039.hairpin	16912	14	-	79384165	79384234
TJU_CMC.ID07040.hairpin	16913	14	+	79806657	79806728
TJU_CMC.ID07041.hairpin	16914	14	+	80173338	80173409
TJU_CMC.ID07042.hairpin	16915	14	+	80461620	80461690
TJU_CMC.ID07043.hairpin	16916	14	-	80545309	80545378
TJU_CMC.ID07044.hairpin	16917	14	+	80677692	80677764
TJU_CMC.ID07045.hairpin	16918	14	-	81152727	81152798
TJU_CMC.ID07046.hairpin	16919	14	-	81157687	81157756
TJU_CMC.ID07047.hairpin	16920	14	-	81912247	81912316
TJU_CMC.ID07048.hairpin	16921	14	-	82029709	82029778
TJU_CMC.ID07049.hairpin	16922	14	+	83022682	83022754
TJU_CMC.ID07050.hairpin	16923	14	+	83116742	83116817
TJU_CMC.ID07051.hairpin	16924	14	+	83170579	83170652
TJU_CMC.ID07052.hairpin	16925	14	+	83313709	83313781
TJU_CMC.ID07053.hairpin	16926	14	+	83544508	83544580
TJU_CMC.ID07054.hairpin	16927	14	+	83664091	83664163
TJU_CMC.ID07055.hairpin	16928	14	-	83756186	83756259
TJU_CMC.ID07056.hairpin	16929	14	+	83942790	83942860
TJU_CMC.ID07057.hairpin	16930	14	+	85426702	85426773
TJU_CMC.ID07058.hairpin	16931	14	+	86130768	86130840
TJU_CMC.ID07059.hairpin	16932	14	+	86212524	86212595
TJU_CMC.ID07060.hairpin	16933	14	+	86662982	86663053
TJU_CMC.ID07061.hairpin	16934	14	-	86919877	86919946
TJU_CMC.ID07062.hairpin	16935	14	-	87136553	87136624
TJU_CMC.ID07063.hairpin	16936	14	+	87466783	87466852
TJU_CMC.ID07064.hairpin	16937	14	+	87994040	87994113
TJU_CMC.ID07065.hairpin	16938	14	+	88469505	88469576
TJU_CMC.ID07066.hairpin	16939	14	+	88487665	88487737
TJU_CMC.ID07067.hairpin	16940	14	-	88630165	88630238
TJU_CMC.ID07068.hairpin	16941	14	-	89115602	89115672
TJU_CMC.ID07069.hairpin	16942	14	+	89302219	89302291

Table 1. Novel miRNA sequences

TJU_CMC.ID07070.hairpin	16943	14	-	89451355	89451427
TJU_CMC.ID07071.hairpin	16944	14	-	89515514	89515587
TJU_CMC.ID07072.hairpin	16945	14	+	89981101	89981174
TJU_CMC.ID07073.hairpin	16946	14	+	90163643	90163714
TJU_CMC.ID07074.hairpin	16947	14	+	90604211	90604283
TJU_CMC.ID07075.hairpin	16948	14	+	90869390	90869461
TJU_CMC.ID07076.hairpin	16949	14	+	90920812	90920884
TJU_CMC.ID07077.hairpin	16950	14	-	90979925	90979996
TJU_CMC.ID07078.hairpin	16951	14	-	91036050	91036121
TJU_CMC.ID07079.hairpin	16952	14	+	91310820	91310889
TJU_CMC.ID07080.hairpin	16953	14	-	91373221	91373293
TJU_CMC.ID07081.hairpin	16954	14	+	91641665	91641735
TJU_CMC.ID07082.hairpin	16955	14	-	92084018	92084090
TJU_CMC.ID07083.hairpin	16956	14	+	92742685	92742757
TJU_CMC.ID07084.hairpin	16957	14	+	92817269	92817341
TJU_CMC.ID07085.hairpin	16958	14	-	92855230	92855303
TJU_CMC.ID07086.hairpin	16959	14	+	93361106	93361175
TJU_CMC.ID07087.hairpin	16960	14	-	93388468	93388539
TJU_CMC.ID07088.hairpin	16961	14	-	93466896	93466967
TJU_CMC.ID07089.hairpin	16962	14	-	93491615	93491688
TJU_CMC.ID07090.hairpin	16963	14	+	93680917	93680989
TJU_CMC.ID07091.hairpin	16964	14	+	93951247	93951320
TJU_CMC.ID07092.hairpin	16965	14	+	94069693	94069763
TJU_CMC.ID07093.hairpin	16966	14	+	94439812	94439881
TJU_CMC.ID07094.hairpin	16967	14	+	94474213	94474283
TJU_CMC.ID07095.hairpin	16968	14	+	94515741	94515814
TJU_CMC.ID07096.hairpin	16969	14	+	94829701	94829772
TJU_CMC.ID07097.hairpin	16970	14	-	95053860	95053931
TJU_CMC.ID07098.hairpin	16971	14	-	95113688	95113759
TJU_CMC.ID07099.hairpin	16972	14	-	95261438	95261511
TJU_CMC.ID07100.hairpin	16973	14	+	95602744	95602817

Table 1. Novel miRNA sequences

TJU_CMC.ID07101.hairpin	16974	14	+	95756536	95756609
TJU_CMC.ID07102.hairpin	16975	14	+	95959533	95959603
TJU_CMC.ID07103.hairpin	16976	14	-	96092767	96092840
TJU_CMC.ID07104.hairpin	16977	14	-	96194954	96195027
TJU_CMC.ID07105.hairpin	16978	14	-	96252980	96253052
TJU_CMC.ID07106.hairpin	16979	14	+	96386160	96386232
TJU_CMC.ID07107.hairpin	16980	14	+	97454107	97454178
TJU_CMC.ID07108.hairpin	16981	14	+	97530275	97530344
TJU_CMC.ID07109.hairpin	16982	14	-	97647179	97647250
TJU_CMC.ID07110.hairpin	16983	14	+	98627850	98627921
TJU_CMC.ID07111.hairpin	16984	14	-	98749905	98749978
TJU_CMC.ID07112.hairpin	16985	14	+	98790168	98790237
TJU_CMC.ID07113.hairpin	16986	14	+	99072550	99072621
TJU_CMC.ID07114.hairpin	16987	14	+	99161273	99161342
TJU_CMC.ID07115.hairpin	16988	14	+	99270402	99270474
TJU_CMC.ID07116.hairpin	16989	14	-	99502621	99502692
TJU_CMC.ID07117.hairpin	16990	14	+	99508954	99509023
TJU_CMC.ID07118.hairpin	16991	14	-	99546654	99546725
TJU_CMC.ID07119.hairpin	16992	14	-	99738358	99738430
TJU_CMC.ID07120.hairpin	16993	14	+	99988786	99988859
TJU_CMC.ID07121.hairpin	16994	14	-	99989454	99989526
TJU_CMC.ID07122.hairpin	16995	14	+	100165835	100165908
TJU_CMC.ID07123.hairpin	16996	14	+	100219368	100219439
TJU_CMC.ID07124.hairpin	16997	14	+	100234677	100234747
TJU_CMC.ID07125.hairpin	16998	14	-	100263393	100263466
TJU_CMC.ID07126.hairpin	16999	14	-	100323924	100323995
TJU_CMC.ID07127.hairpin	17000	14	+	100902561	100902630
TJU_CMC.ID07128.hairpin	17001	14	-	100935407	100935478
TJU_CMC.ID07129.hairpin	17002	14	-	100991322	100991393
TJU_CMC.ID07130.hairpin	17003	14	-	101144365	101144438
TJU_CMC.ID07131.hairpin	17004	14	+	101239289	101239360

Table 1. Novel miRNA sequences

TJU_CMC.ID07132.hairpin	17005	14	+	101469266	101469337
TJU_CMC.ID07133.hairpin.ID=MI0005565;Alias=MI0005565;Name=hsa-mir-543	17006	14	+	101498324	101498401
TJU_CMC.ID07134.hairpin	17007	14	+	101512101	101512171
TJU_CMC.ID07135.hairpin	17008	14	+	101820951	101821024
TJU_CMC.ID07136.hairpin	17009	14	-	102030041	102030110
TJU_CMC.ID07137.hairpin	17010	14	-	102050868	102050937
TJU_CMC.ID07138.hairpin	17011	14	-	102122267	102122338
TJU_CMC.ID07139.hairpin	17012	14	+	102172238	102172307
TJU_CMC.ID07140.hairpin	17013	14	-	102488468	102488539
TJU_CMC.ID07141.hairpin	17014	14	+	102546178	102546250
TJU_CMC.ID07142.hairpin	17015	14	-	102583749	102583821
TJU_CMC.ID07143.hairpin	17016	14	-	102682197	102682269
TJU_CMC.ID07144.hairpin	17017	14	-	102706655	102706725
TJU_CMC.ID07145.hairpin	17018	14	+	103092929	103093001
TJU_CMC.ID07146.hairpin	17019	14	+	103495088	103495159
TJU_CMC.ID07147.hairpin	17020	14	+	103537269	103537339
TJU_CMC.ID07148.hairpin	17021	14	-	103571961	103572033
TJU_CMC.ID07149.hairpin	17022	14	-	103574826	103574897
TJU_CMC.ID07150.hairpin	17023	14	-	103574919	103574991
TJU_CMC.ID07151.hairpin	17024	14	+	103607946	103608015
TJU_CMC.ID07152.hairpin	17025	14	+	103732705	103732777
TJU_CMC.ID07153.hairpin	17026	14	-	103920058	103920131
TJU_CMC.ID07154.hairpin.ID=MI0000283;Alias=MI0000283;Name=hsa-mir-203a	17027	14	+	104583742	104583851
TJU_CMC.ID07155.hairpin	17028	14	-	104696349	104696420
TJU_CMC.ID07156.hairpin	17029	14	+	104735991	104736063
TJU_CMC.ID07157.hairpin	17030	14	+	104766977	104767050
TJU_CMC.ID07158.hairpin	17031	14	-	104840838	104840909

Table 1. Novel miRNA sequences

TJU_CMC.ID07159.hairpin	17032	14	+	104888547	104888616
TJU_CMC.ID07160.hairpin	17033	14	+	104925049	104925118
TJU_CMC.ID07161.hairpin	17034	14	-	105023928	105023999
TJU_CMC.ID07162.hairpin	17035	14	+	105262064	105262137
TJU_CMC.ID07163.hairpin	17036	14	+	105302765	105302836
TJU_CMC.ID07164.hairpin	17037	14	+	105461568	105461640
TJU_CMC.ID07165.hairpin	17038	14	+	105635240	105635310
TJU_CMC.ID07166.hairpin	17039	14	+	105636063	105636134
TJU_CMC.ID07167.hairpin	17040	14	-	105998103	105998174
TJU_CMC.ID07168.hairpin	17041	14	-	106124522	106124594
TJU_CMC.ID07169.hairpin	17042	14	+	107007437	107007508
TJU_CMC.ID07170.hairpin	17043	15	+	2434609	2434682
TJU_CMC.ID07171.hairpin	17044	15	-	24001305	24001378
TJU_CMC.ID07172.hairpin	17045	15	-	24213325	24213394
TJU_CMC.ID07173.hairpin	17046	15	-	24357145	24357217
TJU_CMC.ID07174.hairpin	17047	15	+	24865217	24865290
TJU_CMC.ID07175.hairpin	17048	15	-	24921030	24921102
TJU_CMC.ID07176.hairpin	17049	15	+	25277597	25277668
TJU_CMC.ID07177.hairpin	17050	15	+	25327882	25327952
TJU_CMC.ID07178.hairpin	17051	15	-	25402788	25402857
TJU_CMC.ID07179.hairpin	17052	15	-	25468063	25468135
TJU_CMC.ID07180.hairpin	17053	15	+	25471764	25471835
TJU_CMC.ID07181.hairpin	17054	15	+	26257138	26257210
TJU_CMC.ID07182.hairpin	17055	15	-	26711737	26711806
TJU_CMC.ID07183.hairpin	17056	15	-	26815515	26815588
TJU_CMC.ID07184.hairpin	17057	15	-	27104432	27104505
TJU_CMC.ID07185.hairpin	17058	15	-	27137519	27137592
TJU_CMC.ID07186.hairpin	17059	15	+	27243895	27243967
TJU_CMC.ID07187.hairpin	17060	15	+	27305649	27305720
TJU_CMC.ID07188.hairpin	17061	15	-	27445218	27445287
TJU_CMC.ID07189.hairpin	17062	15	+	27645852	27645922

Table 1. Novel miRNA sequences

TJU_CMC.ID07190.hairpin	17063	15	+	27666606	27666675	
TJU_CMC.ID07191.hairpin	17064	15	+	27834349	27834420	
TJU_CMC.ID07192.hairpin	17065	15	-	27997222	27997294	
TJU_CMC.ID07193.hairpin	17066	15	-	28195765	28195838	
TJU_CMC.ID07194.hairpin	17067	15	-	28520081	28520151	
TJU_CMC.ID07195.hairpin	17068	15	+	29099048	29099120	
TJU_CMC.ID07196.hairpin	17069	15	-	29626501	29626572	
TJU_CMC.ID07197.hairpin	17070	15	+	29670308	29670378	
TJU_CMC.ID07198.hairpin	17071	15	+	30081062	30081133	
TJU_CMC.ID07199.hairpin	17072	15	-	30081104	30081175	
TJU_CMC.ID07200.hairpin	17073	15	+	30133321	30133391	
TJU_CMC.ID07201.hairpin	17074	15	-	31390589	31390662	
TJU_CMC.ID07202.hairpin	17075	15	+	31684189	31684262	
TJU_CMC.ID07203.hairpin	17076	15	-	31779677	31779749	
TJU_CMC.ID07204.hairpin	17077	15	+	31805658	31805730	
TJU_CMC.ID07205.hairpin	17078	15	+	31843037	31843109	
TJU_CMC.ID07206.hairpin	17079	15	-	32064677	32064749	
TJU_CMC.ID07207.hairpin	17080	15	-	32154465	32154534	
TJU_CMC.ID07208.hairpin	17081	15	-	33654273	33654342	
TJU_CMC.ID07209.hairpin	17082	15	+	33919064	33919134	
TJU_CMC.ID07210.hairpin	17083	15	+	33991642	33991713	
TJU_CMC.ID07211.hairpin	17084	15	+	35078939	35079010	
TJU_CMC.ID07212.hairpin	17085	15	+	36758876	36758946	
TJU_CMC.ID07213.hairpin	17086	15	+	36803309	36803382	
TJU_CMC.ID07214.hairpin	17087	15	-	37034822	37034894	
TJU_CMC.ID07215.hairpin	17088	15	+	37180993	37181065	
TJU_CMC.ID07216.hairpin	17089	15	-	38324441	38324512	
TJU_CMC.ID07217.hairpin	17090	15	-	38344230	38344303	
TJU_CMC.ID07218.hairpin	17091	15	-	38348407	38348480	
TJU_CMC.ID07219.hairpin	17092	15	+	38591283	38591355	
TJU_CMC.ID07220.hairpin	17093	15	-	38842365	38842434	

Table 1. Novel miRNA sequences

TJU_CMC.ID07221.hairpin	17094	15	-	39455048	39455121
TJU_CMC.ID07222.hairpin	17095	15	-	39463571	39463640
TJU_CMC.ID07223.hairpin	17096	15	-	39544472	39544544
TJU_CMC.ID07224.hairpin	17097	15	+	39748613	39748684
TJU_CMC.ID07225.hairpin	17098	15	-	39943432	39943503
TJU_CMC.ID07226.hairpin	17099	15	-	39971509	39971582
TJU_CMC.ID07227.hairpin	17100	15	+	40593659	40593732
TJU_CMC.ID07228.hairpin	17101	15	+	40832112	40832185
TJU_CMC.ID07229.hairpin	17102	15	+	41191634	41191703
TJU_CMC.ID07230.hairpin	17103	15	-	42161161	42161232
TJU_CMC.ID07231.hairpin	17104	15	+	42264433	42264505
TJU_CMC.ID07232.hairpin	17105	15	-	42324605	42324678
TJU_CMC.ID07233.hairpin	17106	15	-	42362723	42362793
TJU_CMC.ID07234.hairpin	17107	15	-	42521812	42521883
TJU_CMC.ID07235.hairpin	17108	15	+	42638101	42638173
TJU_CMC.ID07236.hairpin	17109	15	-	42638888	42638957
TJU_CMC.ID07237.hairpin	17110	15	-	43454857	43454928
TJU_CMC.ID07238.hairpin	17111	15	-	43576657	43576726
TJU_CMC.ID07239.hairpin	17112	15	-	43712485	43712556
TJU_CMC.ID07240.hairpin	17113	15	+	43791947	43792019
TJU_CMC.ID07241.hairpin	17114	15	-	44159463	44159534
TJU_CMC.ID07242.hairpin	17115	15	-	44312607	44312676
TJU_CMC.ID07243.hairpin	17116	15	-	44422589	44422661
TJU_CMC.ID07244.hairpin	17117	15	+	45415222	45415294
TJU_CMC.ID07245.hairpin.ID=MI0005544;Alias=MI0005544;Name=hsa-mir-147b	17118	15	+	45725248	45725327
TJU_CMC.ID07246.hairpin	17119	15	+	47300613	47300683
TJU_CMC.ID07247.hairpin	17120	15	+	47455106	47455177
TJU_CMC.ID07248.hairpin	17121	15	-	47505107	47505180
TJU_CMC.ID07249.hairpin	17122	15	+	48034012	48034085

Table 1. Novel miRNA sequences

TJU_CMC.ID07250.hairpin	17123	15	-	48472534	48472604
TJU_CMC.ID07251.hairpin	17124	15	-	48798792	48798865
TJU_CMC.ID07252.hairpin	17125	15	+	49308789	49308861
TJU_CMC.ID07253.hairpin	17126	15	+	49352450	49352521
TJU_CMC.ID07254.hairpin	17127	15	-	49676086	49676157
TJU_CMC.ID07255.hairpin	17128	15	-	49974770	49974839
TJU_CMC.ID07256.hairpin	17129	15	-	50641247	50641320
TJU_CMC.ID07257.hairpin	17130	15	+	51004624	51004694
TJU_CMC.ID07258.hairpin	17131	15	+	51296805	51296876
TJU_CMC.ID07259.hairpin	17132	15	+	51511040	51511112
TJU_CMC.ID07260.hairpin	17133	15	+	52004697	52004766
TJU_CMC.ID07261.hairpin	17134	15	+	52470480	52470550
TJU_CMC.ID07262.hairpin	17135	15	-	52967498	52967568
TJU_CMC.ID07263.hairpin	17136	15	-	52982773	52982844
TJU_CMC.ID07264.hairpin	17137	15	+	53080934	53081006
TJU_CMC.ID07265.hairpin	17138	15	-	53209185	53209254
TJU_CMC.ID07266.hairpin	17139	15	+	53898349	53898418
TJU_CMC.ID07267.hairpin	17140	15	+	55324678	55324749
TJU_CMC.ID07268.hairpin	17141	15	-	55386984	55387054
TJU_CMC.ID07269.hairpin	17142	15	+	55529884	55529953
TJU_CMC.ID07270.hairpin	17143	15	+	55530737	55530809
TJU_CMC.ID07271.hairpin	17144	15	-	56117742	56117813
TJU_CMC.ID07272.hairpin	17145	15	+	56460398	56460470
TJU_CMC.ID07273.hairpin	17146	15	+	56962787	56962859
TJU_CMC.ID07274.hairpin	17147	15	-	57112153	57112224
TJU_CMC.ID07275.hairpin	17148	15	-	57176149	57176220
TJU_CMC.ID07276.hairpin	17149	15	+	57548406	57548479
TJU_CMC.ID07277.hairpin	17150	15	+	58292964	58293035
TJU_CMC.ID07278.hairpin	17151	15	+	58351950	58352021
TJU_CMC.ID07279.hairpin	17152	15	+	58578993	58579064
TJU_CMC.ID07280.hairpin	17153	15	+	58822440	58822513

Table 1. Novel miRNA sequences

TJU_CMC.ID07281.hairpin	17154	15	-	59945811	59945882
TJU_CMC.ID07282.hairpin	17155	15	-	60066238	60066309
TJU_CMC.ID07283.hairpin	17156	15	-	60692534	60692606
TJU_CMC.ID07284.hairpin	17157	15	+	61070182	61070251
TJU_CMC.ID07285.hairpin	17158	15	-	61437539	61437608
TJU_CMC.ID07286.hairpin	17159	15	+	61445188	61445258
TJU_CMC.ID07287.hairpin	17160	15	+	61709052	61709121
TJU_CMC.ID07288.hairpin	17161	15	-	62034965	62035034
TJU_CMC.ID07289.hairpin	17162	15	-	62094620	62094691
TJU_CMC.ID07290.hairpin	17163	15	-	62184283	62184355
TJU_CMC.ID07291.hairpin	17164	15	+	62894287	62894358
TJU_CMC.ID07292.hairpin	17165	15	+	62917050	62917123
TJU_CMC.ID07293.hairpin	17166	15	+	62942186	62942258
TJU_CMC.ID07294.hairpin	17167	15	+	63179053	63179125
TJU_CMC.ID07295.hairpin	17168	15	-	63254031	63254103
TJU_CMC.ID07296.hairpin	17169	15	-	63923612	63923682
TJU_CMC.ID07297.hairpin	17170	15	+	64073298	64073369
TJU_CMC.ID07298.hairpin	17171	15	+	64293300	64293373
TJU_CMC.ID07299.hairpin	17172	15	+	64380414	64380485
TJU_CMC.ID07300.hairpin	17173	15	+	64436489	64436559
TJU_CMC.ID07301.hairpin	17174	15	+	64795582	64795654
TJU_CMC.ID07302.hairpin	17175	15	-	65212657	65212730
TJU_CMC.ID07303.hairpin	17176	15	-	65322945	65323017
TJU_CMC.ID07304.hairpin	17177	15	+	65363177	65363250
TJU_CMC.ID07305.hairpin	17178	15	+	65810435	65810507
TJU_CMC.ID07306.hairpin	17179	15	-	65817916	65817989
TJU_CMC.ID07307.hairpin	17180	15	+	65916437	65916509
TJU_CMC.ID07308.hairpin	17181	15	-	66161525	66161596
TJU_CMC.ID07309.hairpin	17182	15	-	66361855	66361927
TJU_CMC.ID07311.hairpin	17183	15	-	66832111	66832182
TJU_CMC.ID07312.hairpin	17184	15	+	67044073	67044145

Table 1. Novel miRNA sequences

TJU_CMC.ID07313.hairpin	17185	15	+	67213211	67213280	
TJU_CMC.ID07314.hairpin	17186	15	+	67229016	67229085	
TJU_CMC.ID07315.hairpin	17187	15	-	67488602	67488674	
TJU_CMC.ID07316.hairpin	17188	15	+	67627617	67627688	
TJU_CMC.ID07317.hairpin	17189	15	+	67915812	67915883	
TJU_CMC.ID07318.hairpin	17190	15	+	68126397	68126470	
TJU_CMC.ID07319.hairpin	17191	15	-	69064177	69064250	
TJU_CMC.ID07320.hairpin	17192	15	+	69463032	69463102	
TJU_CMC.ID07321.hairpin	17193	15	-	69737199	69737271	
TJU_CMC.ID07322.hairpin	17194	15	-	69786086	69786155	
TJU_CMC.ID07323.hairpin	17195	15	+	69987233	69987306	
TJU_CMC.ID07324.hairpin	17196	15	-	70381671	70381743	
TJU_CMC.ID07325.hairpin	17197	15	+	70421408	70421478	
TJU_CMC.ID07326.hairpin	17198	15	-	70608233	70608305	
TJU_CMC.ID07327.hairpin	17199	15	+	70723851	70723924	
TJU_CMC.ID07328.hairpin	17200	15	+	71050052	71050123	
TJU_CMC.ID07329.hairpin	17201	15	-	72322482	72322552	
TJU_CMC.ID07330.hairpin	17202	15	-	72424357	72424428	
TJU_CMC.ID07331.hairpin	17203	15	+	72995120	72995190	
TJU_CMC.ID07332.hairpin	17204	15	-	73256561	73256630	
TJU_CMC.ID07333.hairpin	17205	15	+	73660468	73660539	
TJU_CMC.ID07334.hairpin	17206	15	-	73682042	73682113	
TJU_CMC.ID07335.hairpin	17207	15	+	73901614	73901685	
TJU_CMC.ID07336.hairpin	17208	15	-	74193362	74193431	
TJU_CMC.ID07337.hairpin	17209	15	-	74257350	74257421	
TJU_CMC.ID07338.hairpin	17210	15	-	74831714	74831786	
TJU_CMC.ID07339.hairpin	17211	15	-	74875902	74875974	
TJU_CMC.ID07340.hairpin	17212	15	+	75074332	75074405	
TJU_CMC.ID07341.hairpin	17213	15	-	75326093	75326165	
TJU_CMC.ID07342.hairpin	17214	15	+	75500665	75500738	
TJU_CMC.ID07343.hairpin	17215	15	+	75504285	75504358	

Table 1. Novel miRNA sequences

TJU_CMC.ID07344.hairpin	17216	15	-	75755662	75755732	
TJU_CMC.ID07345.hairpin	17217	15	+	75970335	75970408	
TJU_CMC.ID07346.hairpin	17218	15	-	76288155	76288227	
TJU_CMC.ID07347.hairpin	17219	15	+	76400824	76400895	
TJU_CMC.ID07348.hairpin	17220	15	+	76630317	76630390	
TJU_CMC.ID07349.hairpin	17221	15	-	76863075	76863145	
TJU_CMC.ID07350.hairpin	17222	15	-	76887229	76887301	
TJU_CMC.ID07351.hairpin	17223	15	-	77247370	77247443	
TJU_CMC.ID07352.hairpin	17224	15	+	77331762	77331833	
TJU_CMC.ID07353.hairpin	17225	15	+	77456086	77456158	
TJU_CMC.ID07354.hairpin	17226	15	-	77574944	77575016	
TJU_CMC.ID07355.hairpin	17227	15	+	78051199	78051269	
TJU_CMC.ID07356.hairpin	17228	15	+	78393884	78393955	
TJU_CMC.ID07357.hairpin	17229	15	-	78406452	78406523	
TJU_CMC.ID07358.hairpin	17230	15	-	78471678	78471749	
TJU_CMC.ID07359.hairpin	17231	15	-	79270931	79271001	
TJU_CMC.ID07360.hairpin	17232	15	-	79571060	79571133	
TJU_CMC.ID07361.hairpin	17233	15	-	79658497	79658569	
TJU_CMC.ID07362.hairpin	17234	15	+	79684277	79684348	
TJU_CMC.ID07363.hairpin	17235	15	-	79703903	79703974	
TJU_CMC.ID07364.hairpin	17236	15	-	79718011	79718082	
TJU_CMC.ID07365.hairpin	17237	15	-	79750492	79750565	
TJU_CMC.ID07366.hairpin	17238	15	-	79981493	79981566	
TJU_CMC.ID07367.hairpin.ID=MI0003679;Alias=MI0003679;Name=hsa-mir-549a	17239	15	-	81134319	81134414	
TJU_CMC.ID07368.hairpin	17240	15	+	81134321	81134398	
TJU_CMC.ID07368.hairpin	17241	15	+	81134321	81134398	
TJU_CMC.ID07369.hairpin	17242	15	+	81549460	81549530	
TJU_CMC.ID07371.hairpin	17243	15	+	83472031	83472101	
TJU_CMC.ID07372.hairpin	17244	15	+	83648238	83648310	

Table 1. Novel miRNA sequences

TJU_CMC.ID07373.hairpin	17245	15	+	83692306	83692376
TJU_CMC.ID07374.hairpin	17246	15	+	83953316	83953386
TJU_CMC.ID07375.hairpin	17247	15	-	84621693	84621765
TJU_CMC.ID07376.hairpin	17248	15	-	84646829	84646900
TJU_CMC.ID07377.hairpin	17249	15	+	86303218	86303291
TJU_CMC.ID07378.hairpin	17250	15	+	86768032	86768103
TJU_CMC.ID07379.hairpin	17251	15	+	87412771	87412844
TJU_CMC.ID07380.hairpin	17252	15	+	88404938	88405007
TJU_CMC.ID07381.hairpin	17253	15	-	88893612	88893681
TJU_CMC.ID07382.hairpin	17254	15	-	88923611	88923682
TJU_CMC.ID07383.hairpin	17255	15	-	88963256	88963327
TJU_CMC.ID07384.hairpin	17256	15	+	89006499	89006572
TJU_CMC.ID07385.hairpin	17257	15	-	89081860	89081932
TJU_CMC.ID07386.hairpin	17258	15	-	89255763	89255835
TJU_CMC.ID07387.hairpin	17259	15	+	89778408	89778478
TJU_CMC.ID07388.hairpin	17260	15	-	89890341	89890412
TJU_CMC.ID07389.hairpin	17261	15	+	89942635	89942705
TJU_CMC.ID07390.hairpin	17262	15	+	89962350	89962421
TJU_CMC.ID07391.hairpin	17263	15	+	90133702	90133773
TJU_CMC.ID07392.hairpin	17264	15	-	90155319	90155391
TJU_CMC.ID07393.hairpin	17265	15	-	90750241	90750313
TJU_CMC.ID07394.hairpin	17266	15	+	91122640	91122711
TJU_CMC.ID07395.hairpin	17267	15	-	91226638	91226710
TJU_CMC.ID07396.hairpin	17268	15	+	91738832	91738905
TJU_CMC.ID07397.hairpin	17269	15	-	91896387	91896458
TJU_CMC.ID07398.hairpin	17270	15	+	92062455	92062526
TJU_CMC.ID07399.hairpin	17271	15	-	92149284	92149356
TJU_CMC.ID07400.hairpin	17272	15	+	92545134	92545203
TJU_CMC.ID07401.hairpin	17273	15	-	93406261	93406330
TJU_CMC.ID07402.hairpin	17274	15	-	93574827	93574900
TJU_CMC.ID07403.hairpin	17275	15	-	94002772	94002842

Table 1. Novel miRNA sequences

TJU_CMC.ID07404.hairpin	17276	15	-	94848634	94848703
TJU_CMC.ID07405.hairpin	17277	15	+	95596377	95596450
TJU_CMC.ID07406.hairpin	17278	15	-	95652169	95652241
TJU_CMC.ID07407.hairpin	17279	15	-	96085990	96086061
TJU_CMC.ID07408.hairpin	17280	15	+	97339666	97339737
TJU_CMC.ID07409.hairpin	17281	15	+	97675741	97675813
TJU_CMC.ID07410.hairpin	17282	15	-	97725940	97726010
TJU_CMC.ID07411.hairpin	17283	15	-	97779669	97779738
TJU_CMC.ID07412.hairpin	17284	15	-	98466902	98466974
TJU_CMC.ID07413.hairpin	17285	15	+	98524870	98524943
TJU_CMC.ID07414.hairpin	17286	15	+	99168841	99168912
TJU_CMC.ID07415.hairpin	17287	15	-	99395488	99395561
TJU_CMC.ID07416.hairpin	17288	15	+	99600531	99600604
TJU_CMC.ID07417.hairpin	17289	15	+	99699834	99699905
TJU_CMC.ID07418.hairpin	17290	15	-	99721319	99721391
TJU_CMC.ID07419.hairpin	17291	15	-	99972845	99972916
TJU_CMC.ID07420.hairpin	17292	15	+	100249297	100249366
TJU_CMC.ID07421.hairpin	17293	15	-	100457739	100457808
TJU_CMC.ID07422.hairpin	17294	15	+	100526125	100526194
TJU_CMC.ID07423.hairpin	17295	15	-	101444598	101444669
TJU_CMC.ID07424.hairpin	17296	15	+	101535797	101535869
TJU_CMC.ID07425.hairpin	17297	15	+	101633737	101633810
TJU_CMC.ID07426.hairpin	17298	15	-	101792648	101792720
TJU_CMC.ID07427.hairpin	17299	15	+	101889122	101889191
TJU_CMC.ID07428.hairpin	17300	15	+	102273019	102273093
TJU_CMC.ID07428.hairpin	17301	15	+	102273019	102273093
TJU_CMC.ID07429.hairpin	17302	15	-	102358790	102358861
TJU_CMC.ID07430.hairpin	17303	15	+	102506217	102506288
TJU_CMC.ID07431.hairpin	17304	16	+	93416	93487
TJU_CMC.ID07432.hairpin	17305	16	+	323527	323600
TJU_CMC.ID07433.hairpin	17306	16	+	422650	422719

Table 1. Novel miRNA sequences

TJU_CMC.ID07434.hairpin	17307	16	-	606407	606477	
TJU_CMC.ID07435.hairpin	17308	16	+	736147	736218	
TJU_CMC.ID07436.hairpin	17309	16	-	756033	756106	
TJU_CMC.ID07437.hairpin	17310	16	+	1384098	1384167	
TJU_CMC.ID07438.hairpin	17311	16	-	1496590	1496661	
TJU_CMC.ID07439.hairpin	17312	16	+	1607911	1607983	
TJU_CMC.ID07440.hairpin	17313	16	+	1811975	1812047	
TJU_CMC.ID07441.hairpin	17314	16	+	2015175	2015248	
TJU_CMC.ID07442.hairpin	17315	16	-	2050251	2050324	
TJU_CMC.ID07443.hairpin	17316	16	-	2104112	2104183	
TJU_CMC.ID07444.hairpin	17317	16	+	2211060	2211131	
TJU_CMC.ID07445.hairpin	17318	16	-	2827121	2827192	
TJU_CMC.ID07446.hairpin	17319	16	-	3493480	3493549	
TJU_CMC.ID07447.hairpin	17320	16	+	3574825	3574896	
TJU_CMC.ID07448.hairpin	17321	16	+	3627524	3627596	
TJU_CMC.ID07449.hairpin	17322	16	-	4028285	4028355	
TJU_CMC.ID07450.hairpin	17323	16	-	4225500	4225573	
TJU_CMC.ID07451.hairpin	17324	16	+	4316727	4316798	
TJU_CMC.ID07452.hairpin	17325	16	-	4526743	4526816	
TJU_CMC.ID07453.hairpin	17326	16	-	4550484	4550555	
TJU_CMC.ID07454.hairpin	17327	16	-	4649659	4649730	
TJU_CMC.ID07455.hairpin	17328	16	-	4964707	4964780	
TJU_CMC.ID07456.hairpin	17329	16	+	5120126	5120198	
TJU_CMC.ID07457.hairpin	17330	16	+	5725583	5725654	
TJU_CMC.ID07458.hairpin	17331	16	-	5910584	5910655	
TJU_CMC.ID07459.hairpin	17332	16	+	7547297	7547368	
TJU_CMC.ID07460.hairpin	17333	16	+	7970534	7970604	
TJU_CMC.ID07461.hairpin	17334	16	+	7975146	7975215	
TJU_CMC.ID07462.hairpin	17335	16	-	8276128	8276200	
TJU_CMC.ID07463.hairpin	17336	16	-	8536482	8536551	
TJU_CMC.ID07464.hairpin	17337	16	+	8829740	8829812	

Table 1. Novel miRNA sequences

TJU_CMC.ID07465.hairpin	17338	16	+	9058554	9058625
TJU_CMC.ID07466.hairpin	17339	16	+	9148186	9148257
TJU_CMC.ID07467.hairpin	17340	16	-	9221851	9221923
TJU_CMC.ID07468.hairpin	17341	16	+	9329856	9329925
TJU_CMC.ID07469.hairpin	17342	16	-	9434293	9434364
TJU_CMC.ID07470.hairpin	17343	16	+	9911529	9911600
TJU_CMC.ID07471.hairpin	17344	16	+	10205191	10205264
TJU_CMC.ID07472.hairpin	17345	16	+	10240798	10240869
TJU_CMC.ID07473.hairpin	17346	16	+	10615856	10615928
TJU_CMC.ID07474.hairpin	17347	16	+	10718800	10718870
TJU_CMC.ID07475.hairpin	17348	16	+	10788853	10788922
TJU_CMC.ID07476.hairpin	17349	16	-	10863907	10863977
TJU_CMC.ID07477.hairpin	17350	16	-	10960695	10960767
TJU_CMC.ID07478.hairpin	17351	16	+	10982020	10982091
TJU_CMC.ID07479.hairpin	17352	16	-	11042218	11042287
TJU_CMC.ID07480.hairpin	17353	16	-	11413165	11413235
TJU_CMC.ID07481.hairpin	17354	16	+	11479202	11479273
TJU_CMC.ID07482.hairpin	17355	16	-	11670486	11670555
TJU_CMC.ID07483.hairpin	17356	16	-	12160106	12160178
TJU_CMC.ID07484.hairpin	17357	16	-	12228180	12228251
TJU_CMC.ID07485.hairpin	17358	16	-	12732813	12732882
TJU_CMC.ID07486.hairpin	17359	16	-	12780820	12780889
TJU_CMC.ID07487.hairpin	17360	16	-	12786540	12786611
TJU_CMC.ID07488.hairpin	17361	16	-	13776810	13776882
TJU_CMC.ID07489.hairpin	17362	16	+	13979916	13979987
TJU_CMC.ID07490.hairpin	17363	16	+	14127959	14128030
TJU_CMC.ID07491.hairpin	17364	16	-	14724000	14724071
TJU_CMC.ID07492.hairpin	17365	16	-	16982933	16983003
TJU_CMC.ID07493.hairpin	17366	16	+	16986755	16986824
TJU_CMC.ID07494.hairpin	17367	16	+	17085317	17085389
TJU_CMC.ID07495.hairpin	17368	16	+	17420763	17420836

Table 1. Novel miRNA sequences

TJU_CMC.ID07496.hairpin	17369	16	+	17515531	17515602
TJU_CMC.ID07497.hairpin	17370	16	+	17550834	17550906
TJU_CMC.ID07498.hairpin	17371	16	-	17746300	17746372
TJU_CMC.ID07499.hairpin	17372	16	-	17751215	17751284
TJU_CMC.ID07500.hairpin	17373	16	-	18016312	18016381
TJU_CMC.ID07501.hairpin	17374	16	+	19025939	19026008
TJU_CMC.ID07502.hairpin	17375	16	+	19060861	19060933
TJU_CMC.ID07503.hairpin	17376	16	+	19157495	19157565
TJU_CMC.ID07504.hairpin	17377	16	+	19461399	19461469
TJU_CMC.ID07505.hairpin	17378	16	+	19697162	19697234
TJU_CMC.ID07506.hairpin	17379	16	+	20011263	20011332
TJU_CMC.ID07507.hairpin	17380	16	-	20627783	20627854
TJU_CMC.ID07508.hairpin	17381	16	-	20773218	20773290
TJU_CMC.ID07509.hairpin	17382	16	-	20803772	20803845
TJU_CMC.ID07510.hairpin	17383	16	-	21065694	21065767
TJU_CMC.ID07511.hairpin	17384	16	-	22019444	22019517
TJU_CMC.ID07512.hairpin	17385	16	+	22046562	22046634
TJU_CMC.ID07513.hairpin	17386	16	-	22646314	22646383
TJU_CMC.ID07514.hairpin	17387	16	+	23117891	23117960
TJU_CMC.ID07515.hairpin	17388	16	-	23147409	23147480
TJU_CMC.ID07516.hairpin	17389	16	+	23184046	23184119
TJU_CMC.ID07517.hairpin	17390	16	-	23313762	23313832
TJU_CMC.ID07518.hairpin	17391	16	-	23647075	23647147
TJU_CMC.ID07519.hairpin	17392	16	-	23825777	23825846
TJU_CMC.ID07520.hairpin	17393	16	-	25080113	25080183
TJU_CMC.ID07521.hairpin	17394	16	+	25100305	25100377
TJU_CMC.ID07522.hairpin	17395	16	-	25379575	25379648
TJU_CMC.ID07523.hairpin	17396	16	+	25428145	25428217
TJU_CMC.ID07524.hairpin	17397	16	-	25489293	25489366
TJU_CMC.ID07525.hairpin	17398	16	-	26309805	26309878
TJU_CMC.ID07526.hairpin	17399	16	-	26530144	26530215

Table 1. Novel miRNA sequences

TJU_CMC.ID07527.hairpin	17400	16	-	26947107	26947176
TJU_CMC.ID07528.hairpin	17401	16	+	26954605	26954676
TJU_CMC.ID07529.hairpin	17402	16	+	27135583	27135652
TJU_CMC.ID07530.hairpin	17403	16	-	27374122	27374191
TJU_CMC.ID07531.hairpin	17404	16	-	27467810	27467879
TJU_CMC.ID07532.hairpin	17405	16	+	27965820	27965891
TJU_CMC.ID07533.hairpin	17406	16	-	28266694	28266764
TJU_CMC.ID07534.hairpin	17407	16	-	28491159	28491232
TJU_CMC.ID07535.hairpin	17408	16	-	28505651	28505723
TJU_CMC.ID07536.hairpin	17409	16	-	28887837	28887909
TJU_CMC.ID07537.hairpin	17410	16	+	29710188	29710260
TJU_CMC.ID07538.hairpin	17411	16	+	29813105	29813177
TJU_CMC.ID07539.hairpin	17412	16	-	29923025	29923094
TJU_CMC.ID07540.hairpin	17413	16	+	30418889	30418960
TJU_CMC.ID07541.hairpin	17414	16	+	30558612	30558681
TJU_CMC.ID07542.hairpin	17415	16	+	30680594	30680667
TJU_CMC.ID07543.hairpin	17416	16	+	30913150	30913221
TJU_CMC.ID07544.hairpin	17417	16	+	31247392	31247461
TJU_CMC.ID07545.hairpin	17418	16	+	31266687	31266756
TJU_CMC.ID07546.hairpin	17419	16	+	31398416	31398489
TJU_CMC.ID07547.hairpin	17420	16	-	31513737	31513810
TJU_CMC.ID07548.hairpin	17421	16	+	31707402	31707473
TJU_CMC.ID07549.hairpin	17422	16	+	31781332	31781404
TJU_CMC.ID07550.hairpin	17423	16	-	33547870	33547942
TJU_CMC.ID07551.hairpin	17424	16	+	33966362	33966432
TJU_CMC.ID07552.hairpin	17425	16	+	34329069	34329142
TJU_CMC.ID07553.hairpin	17426	16	-	34661307	34661379
TJU_CMC.ID07554.hairpin	17427	16	+	34736054	34736127
TJU_CMC.ID07555.hairpin	17428	16	-	34751372	34751444
TJU_CMC.ID07556.hairpin	17429	16	+	46567088	46567158
TJU_CMC.ID07557.hairpin	17430	16	+	47528037	47528106

Table 1. Novel miRNA sequences

TJU_CMC.ID07558.hairpin	17431	16	+	47997782	47997853
TJU_CMC.ID07559.hairpin	17432	16	-	48012270	48012341
TJU_CMC.ID07560.hairpin	17433	16	+	48279212	48279284
TJU_CMC.ID07561.hairpin	17434	16	-	49095430	49095501
TJU_CMC.ID07562.hairpin	17435	16	-	49120549	49120618
TJU_CMC.ID07563.hairpin	17436	16	+	49487475	49487546
TJU_CMC.ID07564.hairpin	17437	16	-	49975732	49975801
TJU_CMC.ID07565.hairpin	17438	16	-	50618899	50618968
TJU_CMC.ID07566.hairpin	17439	16	+	50632847	50632918
TJU_CMC.ID07567.hairpin	17440	16	-	50754028	50754100
TJU_CMC.ID07568.hairpin	17441	16	-	51311915	51311987
TJU_CMC.ID07569.hairpin	17442	16	-	52065771	52065841
TJU_CMC.ID07570.hairpin	17443	16	+	52068969	52069040
TJU_CMC.ID07571.hairpin	17444	16	+	52488009	52488082
TJU_CMC.ID07572.hairpin	17445	16	-	53116813	53116885
TJU_CMC.ID07573.hairpin	17446	16	+	53359873	53359945
TJU_CMC.ID07574.hairpin	17447	16	+	53373147	53373219
TJU_CMC.ID07575.hairpin	17448	16	+	53783781	53783851
TJU_CMC.ID07576.hairpin	17449	16	+	53833751	53833822
TJU_CMC.ID07577.hairpin	17450	16	+	54275034	54275104
TJU_CMC.ID07578.hairpin	17451	16	+	54320823	54320895
TJU_CMC.ID07579.hairpin	17452	16	+	54500423	54500494
TJU_CMC.ID07580.hairpin	17453	16	-	55173320	55173389
TJU_CMC.ID07581.hairpin	17454	16	-	55412432	55412501
TJU_CMC.ID07582.hairpin	17455	16	-	55480518	55480591
TJU_CMC.ID07583.hairpin	17456	16	+	55872843	55872915
TJU_CMC.ID07584.hairpin	17457	16	-	56311402	56311474
TJU_CMC.ID07585.hairpin	17458	16	-	57111964	57112034
TJU_CMC.ID07586.hairpin	17459	16	+	57596542	57596614
TJU_CMC.ID07587.hairpin	17460	16	+	57635161	57635232
TJU_CMC.ID07588.hairpin	17461	16	+	57729426	57729498

Table 1. Novel miRNA sequences

TJU_CMC.ID07589.hairpin	17462	16	+	57774811	57774884
TJU_CMC.ID07590.hairpin	17463	16	+	57816121	57816193
TJU_CMC.ID07591.hairpin	17464	16	-	58051939	58052011
TJU_CMC.ID07592.hairpin	17465	16	-	58245357	58245430
TJU_CMC.ID07593.hairpin	17466	16	-	58550523	58550596
TJU_CMC.ID07594.hairpin	17467	16	+	58589790	58589859
TJU_CMC.ID07595.hairpin	17468	16	+	58688312	58688382
TJU_CMC.ID07596.hairpin	17469	16	+	59338465	59338534
TJU_CMC.ID07597.hairpin	17470	16	-	59460066	59460136
TJU_CMC.ID07598.hairpin	17471	16	+	59579172	59579244
TJU_CMC.ID07599.hairpin	17472	16	+	59698300	59698371
TJU_CMC.ID07600.hairpin	17473	16	-	60039322	60039394
TJU_CMC.ID07601.hairpin	17474	16	+	60440143	60440213
TJU_CMC.ID07602.hairpin	17475	16	+	60849596	60849668
TJU_CMC.ID07603.hairpin	17476	16	+	62140704	62140777
TJU_CMC.ID07604.hairpin	17477	16	-	62749013	62749084
TJU_CMC.ID07605.hairpin	17478	16	+	62824737	62824809
TJU_CMC.ID07606.hairpin	17479	16	+	62850764	62850835
TJU_CMC.ID07607.hairpin	17480	16	-	63131037	63131106
TJU_CMC.ID07608.hairpin	17481	16	+	63491729	63491799
TJU_CMC.ID07609.hairpin	17482	16	+	63813515	63813588
TJU_CMC.ID07610.hairpin	17483	16	-	64843031	64843102
TJU_CMC.ID07611.hairpin	17484	16	+	64849492	64849564
TJU_CMC.ID07612.hairpin	17485	16	-	65457622	65457695
TJU_CMC.ID07613.hairpin	17486	16	-	65671008	65671079
TJU_CMC.ID07614.hairpin	17487	16	-	65696332	65696402
TJU_CMC.ID07615.hairpin	17488	16	-	65884214	65884286
TJU_CMC.ID07616.hairpin	17489	16	+	66028980	66029049
TJU_CMC.ID07617.hairpin	17490	16	-	66730754	66730827
TJU_CMC.ID07618.hairpin	17491	16	-	67132612	67132683
TJU_CMC.ID07619.hairpin	17492	16	-	67453456	67453527

Table 1. Novel miRNA sequences

TJU_CMC.ID07620.hairpin	17493	16	+	67573681	67573754
TJU_CMC.ID07621.hairpin	17494	16	-	67771656	67771725
TJU_CMC.ID07622.hairpin	17495	16	-	67975728	67975797
TJU_CMC.ID07623.hairpin	17496	16	-	68863658	68863730
TJU_CMC.ID07624.hairpin	17497	16	+	69003117	69003189
TJU_CMC.ID07625.hairpin	17498	16	+	69373839	69373912
TJU_CMC.ID07626.hairpin	17499	16	+	69412279	69412351
TJU_CMC.ID07627.hairpin	17500	16	+	69416396	69416465
TJU_CMC.ID07628.hairpin	17501	16	-	70375710	70375783
TJU_CMC.ID07629.hairpin	17502	16	+	70385296	70385365
TJU_CMC.ID07630.hairpin	17503	16	-	70810742	70810815
TJU_CMC.ID07631.hairpin	17504	16	-	70954841	70954911
TJU_CMC.ID07632.hairpin	17505	16	+	71032786	71032858
TJU_CMC.ID07633.hairpin	17506	16	-	71193953	71194022
TJU_CMC.ID07634.hairpin	17507	16	+	71441575	71441647
TJU_CMC.ID07635.hairpin	17508	16	-	71471443	71471515
TJU_CMC.ID07636.hairpin	17509	16	+	71514093	71514163
TJU_CMC.ID07637.hairpin	17510	16	+	71518567	71518637
TJU_CMC.ID07638.hairpin	17511	16	-	71792348	71792420
TJU_CMC.ID07639.hairpin	17512	16	-	71967885	71967957
TJU_CMC.ID07640.hairpin	17513	16	-	72326134	72326203
TJU_CMC.ID07641.hairpin	17514	16	+	72824995	72825066
TJU_CMC.ID07642.hairpin	17515	16	+	73083196	73083266
TJU_CMC.ID07643.hairpin	17516	16	+	73091879	73091952
TJU_CMC.ID07644.hairpin	17517	16	+	73857537	73857608
TJU_CMC.ID07645.hairpin	17518	16	+	73919371	73919442
TJU_CMC.ID07646.hairpin	17519	16	+	74620602	74620671
TJU_CMC.ID07647.hairpin	17520	16	+	74703615	74703686
TJU_CMC.ID07648.hairpin	17521	16	-	74988450	74988519
TJU_CMC.ID07649.hairpin	17522	16	-	75350290	75350362
TJU_CMC.ID07650.hairpin	17523	16	+	76014273	76014342

Table 1. Novel miRNA sequences

TJU_CMC.ID07651.hairpin	17524	16	-	76268577	76268647
TJU_CMC.ID07652.hairpin	17525	16	-	76606340	76606410
TJU_CMC.ID07653.hairpin	17526	16	-	77095087	77095157
TJU_CMC.ID07654.hairpin	17527	16	+	77442150	77442220
TJU_CMC.ID07655.hairpin	17528	16	-	77941837	77941908
TJU_CMC.ID07656.hairpin	17529	16	-	78466387	78466456
TJU_CMC.ID07657.hairpin	17530	16	-	78474732	78474804
TJU_CMC.ID07658.hairpin	17531	16	+	78826033	78826102
TJU_CMC.ID07659.hairpin	17532	16	-	79044628	79044701
TJU_CMC.ID07660.hairpin	17533	16	-	79224403	79224475
TJU_CMC.ID07661.hairpin	17534	16	-	79330650	79330721
TJU_CMC.ID07662.hairpin	17535	16	-	79534608	79534677
TJU_CMC.ID07663.hairpin	17536	16	+	79897698	79897771
TJU_CMC.ID07664.hairpin	17537	16	-	80649619	80649692
TJU_CMC.ID07665.hairpin	17538	16	+	81173068	81173140
TJU_CMC.ID07666.hairpin	17539	16	-	81186401	81186473
TJU_CMC.ID07667.hairpin	17540	16	+	81206116	81206187
TJU_CMC.ID07668.hairpin	17541	16	+	81352373	81352446
TJU_CMC.ID07669.hairpin.ID=MI0025524;Alias=MI0025524;Name=hsa-mir-7854	17542	16	+	81567507	81567571
TJU_CMC.ID07670.hairpin	17543	16	+	81705979	81706052
TJU_CMC.ID07671.hairpin	17544	16	-	81714792	81714862
TJU_CMC.ID07672.hairpin	17545	16	+	81780172	81780244
TJU_CMC.ID07673.hairpin	17546	16	+	82164070	82164143
TJU_CMC.ID07674.hairpin	17547	16	+	82327967	82328038
TJU_CMC.ID07675.hairpin	17548	16	+	82380797	82380866
TJU_CMC.ID07676.hairpin	17549	16	+	82455867	82455936
TJU_CMC.ID07677.hairpin	17550	16	+	82674928	82674997
TJU_CMC.ID07678.hairpin	17551	16	+	82927265	82927335
TJU_CMC.ID07679.hairpin	17552	16	+	83131070	83131141

Table 1. Novel miRNA sequences

TJU_CMC.ID07680.hairpin	17553	16	-	83699293	83699365
TJU_CMC.ID07681.hairpin	17554	16	-	83728196	83728267
TJU_CMC.ID07682.hairpin	17555	16	+	84004043	84004113
TJU_CMC.ID07683.hairpin	17556	16	-	84448152	84448224
TJU_CMC.ID07684.hairpin	17557	16	+	84662110	84662181
TJU_CMC.ID07685.hairpin	17558	16	+	84828172	84828241
TJU_CMC.ID07686.hairpin	17559	16	+	84910946	84911017
TJU_CMC.ID07687.hairpin	17560	16	+	85256015	85256088
TJU_CMC.ID07688.hairpin	17561	16	+	85337708	85337778
TJU_CMC.ID07689.hairpin	17562	16	+	86117285	86117356
TJU_CMC.ID07690.hairpin	17563	16	-	86318350	86318419
TJU_CMC.ID07691.hairpin	17564	16	+	86415376	86415447
TJU_CMC.ID07692.hairpin	17565	16	+	86431407	86431477
TJU_CMC.ID07693.hairpin	17566	16	+	86477544	86477616
TJU_CMC.ID07694.hairpin	17567	16	-	86606722	86606791
TJU_CMC.ID07695.hairpin	17568	16	-	86623714	86623787
TJU_CMC.ID07696.hairpin	17569	16	+	86696011	86696080
TJU_CMC.ID07697.hairpin	17570	16	-	86751760	86751831
TJU_CMC.ID07698.hairpin	17571	16	+	86836727	86836798
TJU_CMC.ID07699.hairpin	17572	16	-	87120544	87120613
TJU_CMC.ID07700.hairpin	17573	16	-	87178999	87179070
TJU_CMC.ID07701.hairpin	17574	16	-	87783780	87783849
TJU_CMC.ID07702.hairpin	17575	16	+	88018404	88018476
TJU_CMC.ID07703.hairpin	17576	16	-	88039687	88039759
TJU_CMC.ID07704.hairpin	17577	16	+	88106835	88106908
TJU_CMC.ID07705.hairpin	17578	16	-	88797730	88797802
TJU_CMC.ID07706.hairpin	17579	16	-	88833733	88833804
TJU_CMC.ID07707.hairpin	17580	16	-	88961223	88961292
TJU_CMC.ID07708.hairpin	17581	16	+	89100905	89100978
TJU_CMC.ID07709.hairpin	17582	16	-	89108822	89108892
TJU_CMC.ID07710.hairpin	17583	16	+	89114603	89114675

Table 1. Novel miRNA sequences

TJU_CMC.ID07711.hairpin	17584	16	-	89199725	89199796
TJU_CMC.ID07712.hairpin	17585	16	-	89461149	89461218
TJU_CMC.ID07713.hairpin	17586	16	+	89928038	89928111
TJU_CMC.ID07714.hairpin	17587	17	+	101422	101495
TJU_CMC.ID07715.hairpin	17588	17	+	912612	912684
TJU_CMC.ID07716.hairpin	17589	17	-	990767	990837
TJU_CMC.ID07717.hairpin	17590	17	+	1552385	1552458
TJU_CMC.ID07718.hairpin	17591	17	-	2614428	2614501
TJU_CMC.ID07719.hairpin	17592	17	-	3305560	3305633
TJU_CMC.ID07720.hairpin	17593	17	-	3755462	3755533
TJU_CMC.ID07721.hairpin	17594	17	-	3806604	3806674
TJU_CMC.ID07722.hairpin	17595	17	+	3926448	3926518
TJU_CMC.ID07723.hairpin	17596	17	+	3983400	3983472
TJU_CMC.ID07724.hairpin	17597	17	+	4027678	4027748
TJU_CMC.ID07725.hairpin	17598	17	+	4048939	4049012
TJU_CMC.ID07726.hairpin	17599	17	-	4089522	4089591
TJU_CMC.ID07727.hairpin	17600	17	+	4437691	4437763
TJU_CMC.ID07728.hairpin	17601	17	+	4864242	4864313
TJU_CMC.ID07729.hairpin	17602	17	-	5142761	5142830
TJU_CMC.ID07730.hairpin	17603	17	-	5288409	5288480
TJU_CMC.ID07731.hairpin	17604	17	-	5395019	5395092
TJU_CMC.ID07732.hairpin	17605	17	+	5429153	5429225
TJU_CMC.ID07733.hairpin	17606	17	+	5527187	5527259
TJU_CMC.ID07734.hairpin	17607	17	-	5556228	5556301
TJU_CMC.ID07735.hairpin	17608	17	-	5606211	5606283
TJU_CMC.ID07736.hairpin	17609	17	+	5633572	5633643
TJU_CMC.ID07737.hairpin	17610	17	+	6303712	6303784
TJU_CMC.ID07738.hairpin	17611	17	+	6459915	6459988
TJU_CMC.ID07739.hairpin	17612	17	+	6533647	6533718
TJU_CMC.ID07740.hairpin	17613	17	-	6802528	6802599
TJU_CMC.ID07741.hairpin	17614	17	+	6952453	6952525

Table 1. Novel miRNA sequences

TJU_CMC.ID07742.hairpin	17615	17	-	6955580	6955652
TJU_CMC.ID07743.hairpin	17616	17	-	7077523	7077592
TJU_CMC.ID07744.hairpin	17617	17	-	7153893	7153966
TJU_CMC.ID07745.hairpin	17618	17	+	7321354	7321427
TJU_CMC.ID07746.hairpin	17619	17	+	7333659	7333728
TJU_CMC.ID07747.hairpin	17620	17	+	7490706	7490778
TJU_CMC.ID07748.hairpin	17621	17	+	7514255	7514327
TJU_CMC.ID07749.hairpin	17622	17	-	7738769	7738840
TJU_CMC.ID07750.hairpin	17623	17	-	8061263	8061332
TJU_CMC.ID07751.hairpin	17624	17	-	8725969	8726040
TJU_CMC.ID07752.hairpin	17625	17	-	8776108	8776181
TJU_CMC.ID07753.hairpin	17626	17	+	8934655	8934727
TJU_CMC.ID07754.hairpin	17627	17	+	8941346	8941417
TJU_CMC.ID07755.hairpin	17628	17	-	9569967	9570040
TJU_CMC.ID07756.hairpin	17629	17	-	9706009	9706081
TJU_CMC.ID07757.hairpin	17630	17	-	10141302	10141375
TJU_CMC.ID07758.hairpin	17631	17	-	10283933	10284004
TJU_CMC.ID07759.hairpin	17632	17	-	10710663	10710736
TJU_CMC.ID07760.hairpin	17633	17	+	10889285	10889356
TJU_CMC.ID07761.hairpin	17634	17	+	10965126	10965197
TJU_CMC.ID07762.hairpin	17635	17	-	11240164	11240233
TJU_CMC.ID07763.hairpin	17636	17	-	12110835	12110904
TJU_CMC.ID07764.hairpin	17637	17	-	12847069	12847141
TJU_CMC.ID07765.hairpin	17638	17	-	12971913	12971984
TJU_CMC.ID07766.hairpin	17639	17	-	13190589	13190660
TJU_CMC.ID07767.hairpin	17640	17	-	13748785	13748854
TJU_CMC.ID07768.hairpin	17641	17	+	13893501	13893574
TJU_CMC.ID07769.hairpin	17642	17	+	14703942	14704013
TJU_CMC.ID07770.hairpin	17643	17	+	14843154	14843224
TJU_CMC.ID07771.hairpin	17644	17	-	16229108	16229177
TJU_CMC.ID07773.hairpin	17645	17	+	16425698	16425767

Table 1. Novel miRNA sequences

TJU_CMC.ID07774.hairpin	17646	17	+	16772791	16772863	
TJU_CMC.ID07775.hairpin	17647	17	-	16783525	16783594	
TJU_CMC.ID07776.hairpin	17648	17	-	16909241	16909314	
TJU_CMC.ID07777.hairpin	17649	17	+	17062569	17062639	
TJU_CMC.ID07778.hairpin	17650	17	+	17084536	17084608	
TJU_CMC.ID07779.hairpin	17651	17	-	17184945	17185017	
TJU_CMC.ID07780.hairpin	17652	17	+	17285773	17285845	
TJU_CMC.ID07781.hairpin	17653	17	+	17832039	17832110	
TJU_CMC.ID07782.hairpin	17654	17	-	18157212	18157285	
TJU_CMC.ID07783.hairpin	17655	17	+	18847232	18847303	
TJU_CMC.ID07784.hairpin	17656	17	-	19574938	19575010	
TJU_CMC.ID07785.hairpin	17657	17	+	19652784	19652854	
TJU_CMC.ID07786.hairpin	17658	17	-	19798885	19798957	
TJU_CMC.ID07787.hairpin	17659	17	-	21215201	21215274	
TJU_CMC.ID07788.hairpin	17660	17	-	21283761	21283832	
TJU_CMC.ID07789.hairpin	17661	17	-	21813657	21813730	
TJU_CMC.ID07790.hairpin	17662	17	+	22019270	22019343	
TJU_CMC.ID07791.hairpin	17663	17	-	25919789	25919861	
TJU_CMC.ID07792.hairpin	17664	17	+	26080064	26080136	
TJU_CMC.ID07793.hairpin	17665	17	-	26292367	26292436	
TJU_CMC.ID07794.hairpin	17666	17	+	26488118	26488191	
TJU_CMC.ID07795.hairpin	17667	17	+	26553340	26553410	
TJU_CMC.ID07796.hairpin	17668	17	-	26871352	26871425	
TJU_CMC.ID07797.hairpin	17669	17	+	27055112	27055184	
TJU_CMC.ID07798.hairpin	17670	17	+	27148613	27148683	
TJU_CMC.ID07799.hairpin	17671	17	+	27454197	27454269	
TJU_CMC.ID07800.hairpin	17672	17	+	27619857	27619926	
TJU_CMC.ID07801.hairpin	17673	17	-	27632049	27632120	
TJU_CMC.ID07802.hairpin	17674	17	+	27899854	27899927	
TJU_CMC.ID07803.hairpin	17675	17	+	28187124	28187196	
TJU_CMC.ID07804.hairpin	17676	17	+	28207887	28207959	

Table 1. Novel miRNA sequences

TJU_CMC.ID07805.hairpin	17677	17	+	28285624	28285697	
TJU_CMC.ID07806.hairpin	17678	17	-	28775299	28775371	
TJU_CMC.ID07807.hairpin	17679	17	+	29791146	29791217	
TJU_CMC.ID07808.hairpin	17680	17	+	29830750	29830819	
TJU_CMC.ID07809.hairpin	17681	17	+	30086043	30086114	
TJU_CMC.ID07810.hairpin	17682	17	-	30186092	30186164	
TJU_CMC.ID07811.hairpin	17683	17	-	30817181	30817253	
TJU_CMC.ID07812.hairpin	17684	17	-	31027330	31027401	
TJU_CMC.ID07813.hairpin	17685	17	+	31144043	31144115	
TJU_CMC.ID07814.hairpin	17686	17	-	31272678	31272751	
TJU_CMC.ID07815.hairpin	17687	17	-	31731662	31731733	
TJU_CMC.ID07816.hairpin	17688	17	-	31779615	31779686	
TJU_CMC.ID07817.hairpin	17689	17	-	32339825	32339898	
TJU_CMC.ID07818.hairpin	17690	17	-	32408118	32408191	
TJU_CMC.ID07819.hairpin	17691	17	+	32437851	32437920	
TJU_CMC.ID07820.hairpin	17692	17	-	32706150	32706223	
TJU_CMC.ID07821.hairpin	17693	17	-	32709846	32709917	
TJU_CMC.ID07822.hairpin	17694	17	-	33236869	33236939	
TJU_CMC.ID07823.hairpin	17695	17	+	33319498	33319571	
TJU_CMC.ID07824.hairpin	17696	17	-	33747270	33747340	
TJU_CMC.ID07825.hairpin	17697	17	+	35185719	35185791	
TJU_CMC.ID07826.hairpin	17698	17	-	35443319	35443390	
TJU_CMC.ID07827.hairpin	17699	17	-	35847403	35847476	
TJU_CMC.ID07828.hairpin	17700	17	-	35887101	35887173	
TJU_CMC.ID07829.hairpin	17701	17	+	35942825	35942898	
TJU_CMC.ID07830.hairpin	17702	17	-	36037077	36037150	
TJU_CMC.ID07831.hairpin	17703	17	-	36486972	36487041	
TJU_CMC.ID07832.hairpin	17704	17	+	36515540	36515613	
TJU_CMC.ID07833.hairpin	17705	17	+	36600996	36601065	
TJU_CMC.ID07834.hairpin	17706	17	-	36770169	36770241	
TJU_CMC.ID07835.hairpin	17707	17	-	36853133	36853205	

Table 1. Novel miRNA sequences

TJU_CMC.ID07836.hairpin	17708	17	-	36918045	36918117	
TJU_CMC.ID07837.hairpin	17709	17	-	36918966	36919037	
TJU_CMC.ID07838.hairpin	17710	17	+	37022910	37022981	
TJU_CMC.ID07839.hairpin	17711	17	-	37201687	37201757	
TJU_CMC.ID07840.hairpin	17712	17	-	37236249	37236320	
TJU_CMC.ID07841.hairpin	17713	17	-	37243486	37243557	
TJU_CMC.ID07842.hairpin	17714	17	-	37387103	37387174	
TJU_CMC.ID07843.hairpin	17715	17	-	37612319	37612389	
TJU_CMC.ID07844.hairpin	17716	17	-	37751244	37751316	
TJU_CMC.ID07845.hairpin	17717	17	+	37834444	37834515	
TJU_CMC.ID07846.hairpin	17718	17	+	38153690	38153762	
TJU_CMC.ID07847.hairpin	17719	17	-	38172141	38172214	
TJU_CMC.ID07848.hairpin	17720	17	-	38278930	38279003	
TJU_CMC.ID07849.hairpin	17721	17	-	38461705	38461777	
TJU_CMC.ID07850.hairpin	17722	17	+	38470931	38471003	
TJU_CMC.ID07851.hairpin	17723	17	+	38599537	38599609	
TJU_CMC.ID07852.hairpin	17724	17	+	38720670	38720739	
TJU_CMC.ID07853.hairpin	17725	17	+	39190994	39191065	
TJU_CMC.ID07854.hairpin	17726	17	+	39296475	39296546	
TJU_CMC.ID07855.hairpin	17727	17	+	39468019	39468090	
TJU_CMC.ID07856.hairpin	17728	17	+	39843655	39843726	
TJU_CMC.ID07857.hairpin	17729	17	+	39847293	39847365	
TJU_CMC.ID07858.hairpin	17730	17	+	39925183	39925255	
TJU_CMC.ID07859.hairpin	17731	17	-	40830131	40830203	
TJU_CMC.ID07860.hairpin	17732	17	+	41390062	41390135	
TJU_CMC.ID07861.hairpin	17733	17	-	41487305	41487378	
TJU_CMC.ID07862.hairpin	17734	17	+	41659897	41659968	
TJU_CMC.ID07863.hairpin	17735	17	-	41956180	41956252	
TJU_CMC.ID07864.hairpin	17736	17	-	42537838	42537909	
TJU_CMC.ID07865.hairpin	17737	17	+	42836439	42836510	
TJU_CMC.ID07866.hairpin	17738	17	-	42956873	42956944	

Table 1. Novel miRNA sequences

TJU_CMC.ID07867.hairpin	17739	17	+	43249484	43249556
TJU_CMC.ID07868.hairpin	17740	17	+	43344779	43344852
TJU_CMC.ID07869.hairpin	17741	17	+	43897030	43897101
TJU_CMC.ID07870.hairpin	17742	17	-	44852477	44852547
TJU_CMC.ID07871.hairpin	17743	17	+	44924761	44924833
TJU_CMC.ID07872.hairpin	17744	17	+	45197240	45197313
TJU_CMC.ID07873.hairpin	17745	17	-	45360822	45360894
TJU_CMC.ID07874.hairpin.ID=MI0000238;Alias=MI0000238;Name=hsa-mir-196a-1	17746	17	-	46709852	46709921
TJU_CMC.ID07875.hairpin	17747	17	-	46719960	46720033
TJU_CMC.ID07875.hairpin	17748	17	-	46719960	46720033
TJU_CMC.ID07876.hairpin	17749	17	+	46820652	46820723
TJU_CMC.ID07877.hairpin	17750	17	-	47025032	47025105
TJU_CMC.ID07878.hairpin	17751	17	-	47261343	47261416
TJU_CMC.ID07879.hairpin	17752	17	+	47823361	47823432
TJU_CMC.ID07880.hairpin	17753	17	-	48129143	48129216
TJU_CMC.ID07881.hairpin	17754	17	-	48366774	48366847
TJU_CMC.ID07882.hairpin	17755	17	-	48413460	48413531
TJU_CMC.ID07883.hairpin	17756	17	-	48585901	48585972
TJU_CMC.ID07884.hairpin	17757	17	+	48618722	48618791
TJU_CMC.ID07885.hairpin	17758	17	+	48827997	48828067
TJU_CMC.ID07886.hairpin	17759	17	+	48925250	48925322
TJU_CMC.ID07887.hairpin	17760	17	+	48997036	48997105
TJU_CMC.ID07888.hairpin	17761	17	+	49059467	49059536
TJU_CMC.ID07889.hairpin	17762	17	+	49313427	49313498
TJU_CMC.ID07890.hairpin	17763	17	-	49967244	49967316
TJU_CMC.ID07891.hairpin	17764	17	+	50330802	50330873
TJU_CMC.ID07892.hairpin	17765	17	+	50630188	50630258
TJU_CMC.ID07893.hairpin	17766	17	-	50840461	50840532
TJU_CMC.ID07894.hairpin	17767	17	+	51028021	51028093

Table 1. Novel miRNA sequences

TJU_CMC.ID07895.hairpin	17768	17	-	53175004	53175075	
TJU_CMC.ID07896.hairpin	17769	17	-	53268606	53268678	
TJU_CMC.ID07897.hairpin	17770	17	+	53999890	53999962	
TJU_CMC.ID07898.hairpin	17771	17	-	54604346	54604418	
TJU_CMC.ID07899.hairpin	17772	17	+	54821238	54821311	
TJU_CMC.ID07900.hairpin	17773	17	-	54849941	54850013	
TJU_CMC.ID07901.hairpin	17774	17	+	55208447	55208520	
TJU_CMC.ID07902.hairpin	17775	17	-	56291856	56291928	
TJU_CMC.ID07903.hairpin	17776	17	+	56310342	56310414	
TJU_CMC.ID07904.hairpin	17777	17	-	56601004	56601077	
TJU_CMC.ID07905.hairpin	17778	17	-	57056093	57056165	
TJU_CMC.ID07906.hairpin	17779	17	+	57182633	57182705	
TJU_CMC.ID07907.hairpin	17780	17	+	59295632	59295704	
TJU_CMC.ID07908.hairpin	17781	17	+	59372377	59372447	
TJU_CMC.ID07909.hairpin	17782	17	+	59487213	59487283	
TJU_CMC.ID07910.hairpin	17783	17	+	59592898	59592969	
TJU_CMC.ID07911.hairpin	17784	17	+	60965854	60965925	
TJU_CMC.ID07912.hairpin	17785	17	-	61561392	61561463	
TJU_CMC.ID07913.hairpin	17786	17	-	61615614	61615685	
TJU_CMC.ID07914.hairpin	17787	17	+	61752336	61752409	
TJU_CMC.ID07915.hairpin	17788	17	+	62183951	62184024	
TJU_CMC.ID07916.hairpin	17789	17	-	63221942	63222013	
TJU_CMC.ID07917.hairpin	17790	17	+	63351429	63351501	
TJU_CMC.ID07918.hairpin	17791	17	+	63565044	63565116	
TJU_CMC.ID07919.hairpin	17792	17	+	63873283	63873356	
TJU_CMC.ID07920.hairpin	17793	17	+	64148098	64148171	
TJU_CMC.ID07921.hairpin	17794	17	-	64784509	64784580	
TJU_CMC.ID07922.hairpin	17795	17	+	64810710	64810782	
TJU_CMC.ID07923.hairpin	17796	17	+	64893917	64893988	
TJU_CMC.ID07924.hairpin	17797	17	+	65644501	65644573	
TJU_CMC.ID07925.hairpin	17798	17	+	65696586	65696658	

Table 1. Novel miRNA sequences

TJU_CMC.ID07926.hairpin	17799	17	+	65899192	65899263
TJU_CMC.ID07927.hairpin	17800	17	+	66095620	66095691
TJU_CMC.ID07928.hairpin	17801	17	+	66442225	66442296
TJU_CMC.ID07929.hairpin	17802	17	+	68069647	68069719
TJU_CMC.ID07930.hairpin	17803	17	-	68862858	68862929
TJU_CMC.ID07931.hairpin	17804	17	-	69406751	69406824
TJU_CMC.ID07932.hairpin	17805	17	-	69588459	69588529
TJU_CMC.ID07933.hairpin	17806	17	-	69749089	69749162
TJU_CMC.ID07934.hairpin	17807	17	-	70477470	70477540
TJU_CMC.ID07935.hairpin	17808	17	+	70681413	70681486
TJU_CMC.ID07936.hairpin	17809	17	+	70775611	70775684
TJU_CMC.ID07937.hairpin	17810	17	+	71394746	71394817
TJU_CMC.ID07938.hairpin	17811	17	+	71461989	71462062
TJU_CMC.ID07939.hairpin	17812	17	-	71640934	71641007
TJU_CMC.ID07940.hairpin	17813	17	+	71727462	71727534
TJU_CMC.ID07941.hairpin	17814	17	+	71773579	71773648
TJU_CMC.ID07942.hairpin	17815	17	+	71895383	71895453
TJU_CMC.ID07943.hairpin	17816	17	+	72051781	72051852
TJU_CMC.ID07944.hairpin	17817	17	-	72618519	72618591
TJU_CMC.ID07945.hairpin	17818	17	+	72673386	72673459
TJU_CMC.ID07946.hairpin	17819	17	+	72793730	72793802
TJU_CMC.ID07947.hairpin	17820	17	-	72978337	72978410
TJU_CMC.ID07949.hairpin	17821	17	+	73445384	73445455
TJU_CMC.ID07950.hairpin	17822	17	+	73478094	73478163
TJU_CMC.ID07951.hairpin	17823	17	+	73632183	73632252
TJU_CMC.ID07952.hairpin	17824	17	-	73646733	73646804
TJU_CMC.ID07953.hairpin	17825	17	+	73851875	73851948
TJU_CMC.ID07954.hairpin	17826	17	-	74270456	74270528
TJU_CMC.ID07955.hairpin	17827	17	+	74397667	74397740
TJU_CMC.ID07956.hairpin	17828	17	+	74400766	74400837
TJU_CMC.ID07957.hairpin	17829	17	+	74417771	74417842

Table 1. Novel miRNA sequences

TJU_CMC.ID07958.hairpin	17830	17	+	74456739	74456811
TJU_CMC.ID07959.hairpin	17831	17	+	75030499	75030571
TJU_CMC.ID07960.hairpin	17832	17	+	75085353	75085426
TJU_CMC.ID07961.hairpin	17833	17	-	75136725	75136795
TJU_CMC.ID07962.hairpin	17834	17	+	75355571	75355644
TJU_CMC.ID07963.hairpin	17835	17	-	75597186	75597255
TJU_CMC.ID07964.hairpin	17836	17	+	75675443	75675516
TJU_CMC.ID07965.hairpin	17837	17	-	75681261	75681333
TJU_CMC.ID07966.hairpin	17838	17	-	75886860	75886933
TJU_CMC.ID07967.hairpin	17839	17	-	76050840	76050911
TJU_CMC.ID07968.hairpin	17840	17	+	76136828	76136900
TJU_CMC.ID07969.hairpin	17841	17	+	76250269	76250339
TJU_CMC.ID07970.hairpin	17842	17	+	76308469	76308541
TJU_CMC.ID07971.hairpin	17843	17	+	76412450	76412522
TJU_CMC.ID07972.hairpin	17844	17	+	76699818	76699890
TJU_CMC.ID07973.hairpin	17845	17	-	76916081	76916154
TJU_CMC.ID07974.hairpin	17846	17	+	77023094	77023163
TJU_CMC.ID07975.hairpin	17847	17	-	77434759	77434828
TJU_CMC.ID07976.hairpin	17848	17	-	77439996	77440068
TJU_CMC.ID07977.hairpin	17849	17	-	77451835	77451908
TJU_CMC.ID07978.hairpin	17850	17	+	77681504	77681575
TJU_CMC.ID07979.hairpin	17851	17	-	77965968	77966038
TJU_CMC.ID07980.hairpin	17852	17	-	78043996	78044067
TJU_CMC.ID07981.hairpin	17853	17	+	78187301	78187373
TJU_CMC.ID07982.hairpin	17854	17	-	78224061	78224130
TJU_CMC.ID07983.hairpin	17855	17	-	78402448	78402520
TJU_CMC.ID07984.hairpin	17856	17	+	78935516	78935585
TJU_CMC.ID07985.hairpin	17857	17	-	79208523	79208596
TJU_CMC.ID07986.hairpin	17858	17	-	79319989	79320062
TJU_CMC.ID07987.hairpin	17859	17	+	79344345	79344415
TJU_CMC.ID07988.hairpin	17860	17	-	79518668	79518739

Table 1. Novel miRNA sequences

TJU_CMC.ID07989.hairpin	17861	17	-	79616031	79616100	
TJU_CMC.ID07990.hairpin	17862	17	-	79880928	79881000	
TJU_CMC.ID07991.hairpin	17863	17	-	79895370	79895439	
TJU_CMC.ID07992.hairpin	17864	17	+	80765238	80765310	
TJU_CMC.ID07993.hairpin	17865	17	+	81018531	81018604	
TJU_CMC.ID07994.hairpin	17866	18	-	390834	390905	
TJU_CMC.ID07995.hairpin	17867	18	+	1032999	1033069	
TJU_CMC.ID07996.hairpin	17868	18	+	1506159	1506230	
TJU_CMC.ID07997.hairpin	17869	18	+	1575208	1575278	
TJU_CMC.ID07998.hairpin	17870	18	+	1691812	1691881	
TJU_CMC.ID07999.hairpin	17871	18	-	1706067	1706139	
TJU_CMC.ID08000.hairpin	17872	18	+	2124249	2124318	
TJU_CMC.ID08001.hairpin	17873	18	-	2130284	2130355	
TJU_CMC.ID08002.hairpin	17874	18	+	2434379	2434451	
TJU_CMC.ID08003.hairpin	17875	18	-	2895684	2895757	
TJU_CMC.ID08004.hairpin	17876	18	+	3262612	3262685	
TJU_CMC.ID08005.hairpin	17877	18	-	3269249	3269318	
TJU_CMC.ID08006.hairpin	17878	18	-	3394925	3394998	
TJU_CMC.ID08007.hairpin	17879	18	-	3931919	3931990	
TJU_CMC.ID08008.hairpin	17880	18	+	4150034	4150104	
TJU_CMC.ID08009.hairpin	17881	18	-	4535461	4535531	
TJU_CMC.ID08010.hairpin	17882	18	-	4773181	4773253	
TJU_CMC.ID08011.hairpin	17883	18	+	4853126	4853199	
TJU_CMC.ID08012.hairpin	17884	18	-	5241683	5241756	
TJU_CMC.ID08013.hairpin	17885	18	+	5323065	5323138	
TJU_CMC.ID08014.hairpin	17886	18	-	5543420	5543492	
TJU_CMC.ID08015.hairpin	17887	18	-	5895645	5895716	
TJU_CMC.ID08016.hairpin	17888	18	-	5965660	5965732	
TJU_CMC.ID08017.hairpin	17889	18	+	6001225	6001297	
TJU_CMC.ID08018.hairpin	17890	18	-	6022160	6022232	
TJU_CMC.ID08019.hairpin	17891	18	-	6571267	6571339	

Table 1. Novel miRNA sequences

TJU_CMC.ID08020.hairpin	17892	18	-	6936213	6936285	
TJU_CMC.ID08021.hairpin	17893	18	+	7432233	7432305	
TJU_CMC.ID08022.hairpin	17894	18	+	7488723	7488795	
TJU_CMC.ID08023.hairpin	17895	18	-	7621907	7621980	
TJU_CMC.ID08024.hairpin	17896	18	+	7680343	7680415	
TJU_CMC.ID08025.hairpin	17897	18	-	7821049	7821119	
TJU_CMC.ID08026.hairpin	17898	18	+	8301980	8302051	
TJU_CMC.ID08027.hairpin	17899	18	+	8317517	8317590	
TJU_CMC.ID08028.hairpin	17900	18	-	9136569	9136640	
TJU_CMC.ID08029.hairpin	17901	18	-	9188080	9188149	
TJU_CMC.ID08030.hairpin	17902	18	-	9614553	9614625	
TJU_CMC.ID08031.hairpin	17903	18	+	9914985	9915054	
TJU_CMC.ID08032.hairpin	17904	18	+	10040756	10040825	
TJU_CMC.ID08033.hairpin	17905	18	+	10087761	10087830	
TJU_CMC.ID08034.hairpin	17906	18	-	10248320	10248391	
TJU_CMC.ID08035.hairpin	17907	18	+	10295758	10295830	
TJU_CMC.ID08036.hairpin	17908	18	-	10966305	10966374	
TJU_CMC.ID08037.hairpin	17909	18	-	11294434	11294506	
TJU_CMC.ID08038.hairpin	17910	18	+	11427187	11427260	
TJU_CMC.ID08039.hairpin	17911	18	-	11689743	11689813	
TJU_CMC.ID08040.hairpin	17912	18	+	11845971	11846044	
TJU_CMC.ID08041.hairpin	17913	18	-	12367521	12367590	
TJU_CMC.ID08042.hairpin	17914	18	+	12760786	12760859	
TJU_CMC.ID08043.hairpin	17915	18	+	12892621	12892693	
TJU_CMC.ID08044.hairpin	17916	18	+	12969798	12969867	
TJU_CMC.ID08045.hairpin	17917	18	+	13702149	13702221	
TJU_CMC.ID08046.hairpin	17918	18	-	13749768	13749841	
TJU_CMC.ID08047.hairpin	17919	18	-	13922376	13922447	
TJU_CMC.ID08048.hairpin	17920	18	+	14022930	14023001	
TJU_CMC.ID08049.hairpin	17921	18	+	14746878	14746949	
TJU_CMC.ID08050.hairpin	17922	18	+	19179376	19179449	

Table 1. Novel miRNA sequences

TJU_CMC.ID08051.hairpin	17923	18	+	19778298	19778367
TJU_CMC.ID08052.hairpin	17924	18	-	19932087	19932159
TJU_CMC.ID08053.hairpin	17925	18	-	20055054	20055127
TJU_CMC.ID08054.hairpin	17926	18	+	20119832	20119904
TJU_CMC.ID08055.hairpin	17927	18	-	20288738	20288811
TJU_CMC.ID08056.hairpin	17928	18	-	20369967	20370039
TJU_CMC.ID08057.hairpin	17929	18	+	21268197	21268269
TJU_CMC.ID08058.hairpin	17930	18	-	21303173	21303244
TJU_CMC.ID08059.hairpin	17931	18	-	21311932	21312002
TJU_CMC.ID08060.hairpin	17932	18	-	21427018	21427087
TJU_CMC.ID08061.hairpin	17933	18	+	21525356	21525429
TJU_CMC.ID08062.hairpin	17934	18	+	21722693	21722765
TJU_CMC.ID08063.hairpin	17935	18	-	21824504	21824576
TJU_CMC.ID08064.hairpin	17936	18	-	22895839	22895908
TJU_CMC.ID08065.hairpin	17937	18	-	23063902	23063973
TJU_CMC.ID08066.hairpin	17938	18	+	23381546	23381616
TJU_CMC.ID08067.hairpin	17939	18	+	23670114	23670184
TJU_CMC.ID08068.hairpin	17940	18	+	24128947	24129019
TJU_CMC.ID08069.hairpin	17941	18	-	24297027	24297096
TJU_CMC.ID08070.hairpin	17942	18	+	24602047	24602120
TJU_CMC.ID08071.hairpin	17943	18	+	24887235	24887306
TJU_CMC.ID08072.hairpin	17944	18	-	25574590	25574661
TJU_CMC.ID08073.hairpin	17945	18	-	25633027	25633100
TJU_CMC.ID08074.hairpin	17946	18	+	25731260	25731331
TJU_CMC.ID08075.hairpin	17947	18	+	25847893	25847962
TJU_CMC.ID08076.hairpin	17948	18	+	26392789	26392862
TJU_CMC.ID08077.hairpin	17949	18	-	26999891	26999964
TJU_CMC.ID08078.hairpin	17950	18	-	28112587	28112658
TJU_CMC.ID08079.hairpin	17951	18	-	28252866	28252939
TJU_CMC.ID08080.hairpin	17952	18	+	28572993	28573064
TJU_CMC.ID08081.hairpin	17953	18	+	28682448	28682518

Table 1. Novel miRNA sequences

TJU_CMC.ID08082.hairpin	17954	18	+	28957016	28957087
TJU_CMC.ID08083.hairpin	17955	18	+	29260014	29260083
TJU_CMC.ID08084.hairpin	17956	18	-	29336830	29336903
TJU_CMC.ID08085.hairpin	17957	18	-	29512524	29512596
TJU_CMC.ID08086.hairpin	17958	18	-	29578248	29578319
TJU_CMC.ID08087.hairpin	17959	18	+	29657205	29657277
TJU_CMC.ID08088.hairpin	17960	18	-	29820853	29820922
TJU_CMC.ID08089.hairpin	17961	18	+	30006654	30006723
TJU_CMC.ID08090.hairpin	17962	18	+	30219357	30219426
TJU_CMC.ID08091.hairpin	17963	18	-	30724304	30724373
TJU_CMC.ID08092.hairpin	17964	18	+	30824911	30824981
TJU_CMC.ID08093.hairpin	17965	18	-	31484687	31484760
TJU_CMC.ID08094.hairpin	17966	18	+	32292352	32292424
TJU_CMC.ID08095.hairpin	17967	18	+	32314208	32314279
TJU_CMC.ID08096.hairpin	17968	18	+	32452688	32452759
TJU_CMC.ID08097.hairpin	17969	18	+	32641368	32641440
TJU_CMC.ID08098.hairpin	17970	18	+	32703276	32703345
TJU_CMC.ID08099.hairpin	17971	18	+	32780195	32780266
TJU_CMC.ID08100.hairpin	17972	18	+	33019067	33019137
TJU_CMC.ID08101.hairpin	17973	18	+	33497219	33497288
TJU_CMC.ID08102.hairpin	17974	18	+	33768309	33768380
TJU_CMC.ID08103.hairpin	17975	18	-	34050868	34050939
TJU_CMC.ID08104.hairpin	17976	18	+	34055392	34055464
TJU_CMC.ID08105.hairpin	17977	18	+	34109198	34109269
TJU_CMC.ID08106.hairpin	17978	18	-	34706185	34706256
TJU_CMC.ID08107.hairpin	17979	18	+	35264424	35264494
TJU_CMC.ID08108.hairpin	17980	18	+	35442696	35442767
TJU_CMC.ID08109.hairpin	17981	18	+	36125444	36125516
TJU_CMC.ID08110.hairpin	17982	18	+	36161996	36162066
TJU_CMC.ID08111.hairpin	17983	18	+	36305586	36305655
TJU_CMC.ID08112.hairpin	17984	18	-	37127966	37128036

Table 1. Novel miRNA sequences

TJU_CMC.ID08113.hairpin	17985	18	+	37273622	37273693	
TJU_CMC.ID08114.hairpin	17986	18	-	37415170	37415243	
TJU_CMC.ID08115.hairpin	17987	18	+	37536325	37536398	
TJU_CMC.ID08116.hairpin	17988	18	-	37946344	37946414	
TJU_CMC.ID08117.hairpin	17989	18	-	39010885	39010956	
TJU_CMC.ID08118.hairpin	17990	18	-	39318147	39318218	
TJU_CMC.ID08119.hairpin	17991	18	+	39681037	39681110	
TJU_CMC.ID08120.hairpin	17992	18	+	39880759	39880829	
TJU_CMC.ID08121.hairpin	17993	18	-	40849522	40849594	
TJU_CMC.ID08122.hairpin	17994	18	-	41122448	41122518	
TJU_CMC.ID08123.hairpin	17995	18	+	41211931	41212002	
TJU_CMC.ID08124.hairpin	17996	18	+	41510770	41510840	
TJU_CMC.ID08125.hairpin	17997	18	+	41536393	41536466	
TJU_CMC.ID08126.hairpin	17998	18	+	41813869	41813940	
TJU_CMC.ID08127.hairpin	17999	18	-	41911815	41911886	
TJU_CMC.ID08128.hairpin	18000	18	+	42078461	42078531	
TJU_CMC.ID08129.hairpin	18001	18	+	42289339	42289412	
TJU_CMC.ID08130.hairpin	18002	18	+	42313240	42313311	
TJU_CMC.ID08131.hairpin	18003	18	-	42485854	42485925	
TJU_CMC.ID08132.hairpin	18004	18	+	42523250	42523321	
TJU_CMC.ID08133.hairpin	18005	18	+	42626057	42626129	
TJU_CMC.ID08134.hairpin	18006	18	+	43386117	43386190	
TJU_CMC.ID08135.hairpin	18007	18	-	43960971	43961044	
TJU_CMC.ID08136.hairpin	18008	18	-	44398740	44398813	
TJU_CMC.ID08137.hairpin	18009	18	+	44739045	44739115	
TJU_CMC.ID08138.hairpin	18010	18	+	44791259	44791329	
TJU_CMC.ID08139.hairpin	18011	18	-	45734595	45734666	
TJU_CMC.ID08140.hairpin	18012	18	+	46114379	46114452	
TJU_CMC.ID08141.hairpin	18013	18	-	46596323	46596392	
TJU_CMC.ID08142.hairpin	18014	18	+	47191462	47191531	
TJU_CMC.ID08143.hairpin	18015	18	+	47405611	47405680	

Table 1. Novel miRNA sequences

TJU_CMC.ID08144.hairpin	18016	18	-	48514671	48514744
TJU_CMC.ID08145.hairpin	18017	18	-	48827435	48827506
TJU_CMC.ID08146.hairpin	18018	18	-	49311431	49311501
TJU_CMC.ID08147.hairpin	18019	18	+	50466370	50466443
TJU_CMC.ID08148.hairpin	18020	18	-	50854294	50854366
TJU_CMC.ID08149.hairpin	18021	18	-	51086332	51086403
TJU_CMC.ID08150.hairpin	18022	18	-	51412428	51412501
TJU_CMC.ID08151.hairpin	18023	18	-	51484701	51484770
TJU_CMC.ID08152.hairpin	18024	18	+	51689987	51690058
TJU_CMC.ID08153.hairpin	18025	18	+	53408615	53408686
TJU_CMC.ID08154.hairpin	18026	18	+	53684985	53685057
TJU_CMC.ID08155.hairpin	18027	18	-	53754623	53754694
TJU_CMC.ID08156.hairpin	18028	18	+	53880658	53880729
TJU_CMC.ID08157.hairpin	18029	18	+	54075334	54075407
TJU_CMC.ID08158.hairpin	18030	18	+	54141130	54141201
TJU_CMC.ID08159.hairpin	18031	18	-	54161951	54162023
TJU_CMC.ID08160.hairpin	18032	18	-	54719684	54719754
TJU_CMC.ID08161.hairpin	18033	18	+	54947127	54947197
TJU_CMC.ID08162.hairpin	18034	18	+	55106685	55106754
TJU_CMC.ID08163.hairpin	18035	18	+	55198887	55198960
TJU_CMC.ID08164.hairpin	18036	18	-	55643178	55643249
TJU_CMC.ID08165.hairpin	18037	18	+	55660324	55660397
TJU_CMC.ID08166.hairpin	18038	18	-	55737818	55737889
TJU_CMC.ID08167.hairpin	18039	18	-	56267834	56267904
TJU_CMC.ID08168.hairpin	18040	18	+	56692013	56692082
TJU_CMC.ID08169.hairpin	18041	18	-	57534053	57534125
TJU_CMC.ID08170.hairpin	18042	18	+	58222223	58222294
TJU_CMC.ID08171.hairpin	18043	18	-	59028401	59028472
TJU_CMC.ID08172.hairpin	18044	18	-	60094103	60094175
TJU_CMC.ID08173.hairpin	18045	18	+	60453612	60453683
TJU_CMC.ID08174.hairpin	18046	18	-	60522738	60522811

Table 1. Novel miRNA sequences

TJU_CMC.ID08175.hairpin	18047	18	+	60553308	60553379	
TJU_CMC.ID08176.hairpin	18048	18	-	61550518	61550587	
TJU_CMC.ID08177.hairpin	18049	18	+	62171373	62171442	
TJU_CMC.ID08178.hairpin	18050	18	-	62503106	62503176	
TJU_CMC.ID08179.hairpin	18051	18	-	62828716	62828787	
TJU_CMC.ID08180.hairpin	18052	18	+	63624043	63624112	
TJU_CMC.ID08181.hairpin	18053	18	+	63843879	63843948	
TJU_CMC.ID08182.hairpin	18054	18	-	63952398	63952469	
TJU_CMC.ID08183.hairpin	18055	18	+	64379048	64379121	
TJU_CMC.ID08184.hairpin	18056	18	-	64715958	64716028	
TJU_CMC.ID08185.hairpin	18057	18	-	64751429	64751499	
TJU_CMC.ID08186.hairpin	18058	18	+	65104661	65104732	
TJU_CMC.ID08187.hairpin	18059	18	+	65240365	65240434	
TJU_CMC.ID08188.hairpin	18060	18	+	65741511	65741583	
TJU_CMC.ID08189.hairpin	18061	18	+	66280392	66280461	
TJU_CMC.ID08190.hairpin	18062	18	+	66340684	66340757	
TJU_CMC.ID08191.hairpin	18063	18	-	66451927	66451997	
TJU_CMC.ID08192.hairpin	18064	18	+	66647853	66647926	
TJU_CMC.ID08193.hairpin	18065	18	+	66748023	66748094	
TJU_CMC.ID08194.hairpin	18066	18	+	68139533	68139602	
TJU_CMC.ID08195.hairpin	18067	18	+	68287572	68287644	
TJU_CMC.ID08196.hairpin	18068	18	-	68395664	68395737	
TJU_CMC.ID08197.hairpin	18069	18	+	68510199	68510269	
TJU_CMC.ID08198.hairpin	18070	18	+	69134212	69134283	
TJU_CMC.ID08199.hairpin	18071	18	-	70250611	70250682	
TJU_CMC.ID08200.hairpin	18072	18	-	70251072	70251145	
TJU_CMC.ID08201.hairpin	18073	18	-	70589688	70589760	
TJU_CMC.ID08202.hairpin	18074	18	+	70821530	70821603	
TJU_CMC.ID08203.hairpin	18075	18	+	70953971	70954041	
TJU_CMC.ID08204.hairpin	18076	18	+	71073687	71073758	
TJU_CMC.ID08205.hairpin	18077	18	-	71080976	71081045	

Table 1. Novel miRNA sequences

TJU_CMC.ID08206.hairpin	18078	18	+	71187542	71187611	
TJU_CMC.ID08207.hairpin	18079	18	+	71255382	71255453	
TJU_CMC.ID08208.hairpin	18080	18	-	71422867	71422939	
TJU_CMC.ID08209.hairpin	18081	18	+	71443130	71443202	
TJU_CMC.ID08210.hairpin	18082	18	+	71671992	71672065	
TJU_CMC.ID08211.hairpin	18083	18	-	71815067	71815140	
TJU_CMC.ID08212.hairpin	18084	18	+	72036532	72036603	
TJU_CMC.ID08213.hairpin	18085	18	-	72113078	72113151	
TJU_CMC.ID08214.hairpin	18086	18	-	72136116	72136187	
TJU_CMC.ID08215.hairpin	18087	18	+	72193902	72193972	
TJU_CMC.ID08216.hairpin	18088	18	-	72898165	72898234	
TJU_CMC.ID08217.hairpin	18089	18	+	72997151	72997224	
TJU_CMC.ID08218.hairpin	18090	18	+	73334177	73334248	
TJU_CMC.ID08219.hairpin	18091	18	+	73457821	73457894	
TJU_CMC.ID08220.hairpin	18092	18	-	73861622	73861692	
TJU_CMC.ID08221.hairpin	18093	18	-	73887895	73887966	
TJU_CMC.ID08222.hairpin	18094	18	+	74206935	74207005	
TJU_CMC.ID08223.hairpin	18095	18	+	74356321	74356390	
TJU_CMC.ID08224.hairpin	18096	18	-	74871493	74871565	
TJU_CMC.ID08225.hairpin	18097	18	+	74882405	74882478	
TJU_CMC.ID08226.hairpin	18098	18	+	75098395	75098468	
TJU_CMC.ID08227.hairpin	18099	18	-	75583946	75584019	
TJU_CMC.ID08228.hairpin	18100	18	+	75585623	75585696	
TJU_CMC.ID08229.hairpin	18101	18	-	75718914	75718985	
TJU_CMC.ID08230.hairpin	18102	18	+	76179444	76179514	
TJU_CMC.ID08231.hairpin	18103	18	-	76321525	76321596	
TJU_CMC.ID08232.hairpin	18104	18	-	76411518	76411589	
TJU_CMC.ID08233.hairpin	18105	18	+	76523121	76523193	
TJU_CMC.ID08234.hairpin	18106	18	-	76970080	76970151	
TJU_CMC.ID08235.hairpin	18107	18	-	77278183	77278255	
TJU_CMC.ID08236.hairpin	18108	18	+	77381985	77382056	

Table 1. Novel miRNA sequences

TJU_CMC.ID08237.hairpin	18109	18	+	77395031	77395102
TJU_CMC.ID08238.hairpin	18110	18	-	77414587	77414658
TJU_CMC.ID08239.hairpin	18111	18	+	77517908	77517980
TJU_CMC.ID08240.hairpin	18112	18	-	77809516	77809588
TJU_CMC.ID08241.hairpin	18113	19	-	352104	352175
TJU_CMC.ID08242.hairpin	18114	19	+	392910	392981
TJU_CMC.ID08243.hairpin	18115	19	-	514087	514159
TJU_CMC.ID08244.hairpin	18116	19	+	592219	592292
TJU_CMC.ID08245.hairpin	18117	19	+	695123	695195
TJU_CMC.ID08246.hairpin	18118	19	+	798268	798341
TJU_CMC.ID08247.hairpin	18119	19	+	913321	913390
TJU_CMC.ID08248.hairpin	18120	19	+	1074740	1074813
TJU_CMC.ID08249.hairpin	18121	19	-	1106853	1106926
TJU_CMC.ID08250.hairpin	18122	19	-	1168296	1168369
TJU_CMC.ID08251.hairpin	18123	19	+	1209966	1210039
TJU_CMC.ID08252.hairpin	18124	19	+	1666016	1666087
TJU_CMC.ID08253.hairpin	18125	19	+	1775402	1775474
TJU_CMC.ID08254.hairpin	18126	19	+	1800450	1800521
TJU_CMC.ID08255.hairpin	18127	19	+	1864116	1864187
TJU_CMC.ID08256.hairpin	18128	19	-	2069686	2069759
TJU_CMC.ID08257.hairpin	18129	19	-	2100771	2100842
TJU_CMC.ID08258.hairpin	18130	19	-	2233393	2233464
TJU_CMC.ID08259.hairpin	18131	19	-	2387984	2388055
TJU_CMC.ID08260.hairpin	18132	19	-	2698631	2698704
TJU_CMC.ID08261.hairpin	18133	19	+	2734206	2734278
TJU_CMC.ID08262.hairpin	18134	19	-	2774196	2774266
TJU_CMC.ID08263.hairpin	18135	19	-	2902952	2903024
TJU_CMC.ID08264.hairpin	18136	19	+	3058424	3058493
TJU_CMC.ID08265.hairpin	18137	19	-	3163449	3163520
TJU_CMC.ID08266.hairpin	18138	19	-	3366697	3366769
TJU_CMC.ID08267.hairpin	18139	19	+	3770819	3770888

Table 1. Novel miRNA sequences

TJU_CMC.ID08268.hairpin	18140	19	-	3951807	3951878	
TJU_CMC.ID08269.hairpin	18141	19	-	4113500	4113572	
TJU_CMC.ID08270.hairpin	18142	19	+	4184135	4184206	
TJU_CMC.ID08271.hairpin	18143	19	+	4229209	4229278	
TJU_CMC.ID08272.hairpin	18144	19	+	4314880	4314951	
TJU_CMC.ID08273.hairpin	18145	19	+	4318906	4318978	
TJU_CMC.ID08274.hairpin	18146	19	-	4536732	4536801	
TJU_CMC.ID08275.hairpin	18147	19	+	4570720	4570792	
TJU_CMC.ID08276.hairpin	18148	19	+	5007980	5008050	
TJU_CMC.ID08277.hairpin	18149	19	+	5053783	5053854	
TJU_CMC.ID08278.hairpin	18150	19	-	5122935	5123004	
TJU_CMC.ID08279.hairpin	18151	19	+	5334139	5334209	
TJU_CMC.ID08280.hairpin	18152	19	-	5486851	5486923	
TJU_CMC.ID08281.hairpin	18153	19	+	5582455	5582527	
TJU_CMC.ID08282.hairpin	18154	19	+	5588807	5588878	
TJU_CMC.ID08283.hairpin	18155	19	-	6433688	6433760	
TJU_CMC.ID08284.hairpin	18156	19	+	6606880	6606951	
TJU_CMC.ID08285.hairpin	18157	19	-	6728956	6729027	
TJU_CMC.ID08286.hairpin	18158	19	+	6739662	6739733	
TJU_CMC.ID08287.hairpin	18159	19	-	7148740	7148809	
TJU_CMC.ID08288.hairpin	18160	19	-	7581023	7581094	
TJU_CMC.ID08289.hairpin	18161	19	-	7598942	7599013	
TJU_CMC.ID08290.hairpin	18162	19	-	7699811	7699880	
TJU_CMC.ID08291.hairpin	18163	19	-	7959643	7959714	
TJU_CMC.ID08292.hairpin	18164	19	+	8333042	8333115	
TJU_CMC.ID08293.hairpin	18165	19	+	8419008	8419077	
TJU_CMC.ID08294.hairpin	18166	19	-	9269555	9269625	
TJU_CMC.ID08295.hairpin	18167	19	-	9300547	9300617	
TJU_CMC.ID08296.hairpin	18168	19	+	9546210	9546281	
TJU_CMC.ID08297.hairpin	18169	19	+	10047395	10047464	
TJU_CMC.ID08298.hairpin	18170	19	+	10543020	10543092	

Table 1. Novel miRNA sequences

TJU_CMC.ID08299.hairpin	18171	19	-	10894191	10894260
TJU_CMC.ID08300.hairpin	18172	19	-	10925540	10925611
TJU_CMC.ID08301.hairpin	18173	19	+	10943695	10943768
TJU_CMC.ID08302.hairpin	18174	19	+	11091683	11091753
TJU_CMC.ID08303.hairpin	18175	19	-	11214570	11214641
TJU_CMC.ID08304.hairpin	18176	19	-	11372776	11372847
TJU_CMC.ID08305.hairpin	18177	19	+	12107932	12108005
TJU_CMC.ID08306.hairpin	18178	19	-	12333748	12333817
TJU_CMC.ID08307.hairpin	18179	19	-	12811912	12811985
TJU_CMC.ID08308.hairpin	18180	19	+	12832730	12832802
TJU_CMC.ID08309.hairpin	18181	19	+	12889726	12889798
TJU_CMC.ID08310.hairpin	18182	19	+	12937196	12937266
TJU_CMC.ID08311.hairpin	18183	19	-	13078973	13079042
TJU_CMC.ID08312.hairpin	18184	19	+	13122087	13122159
TJU_CMC.ID08313.hairpin	18185	19	-	13210503	13210576
TJU_CMC.ID08314.hairpin	18186	19	-	13212004	13212075
TJU_CMC.ID08315.hairpin	18187	19	+	13262557	13262630
TJU_CMC.ID08316.hairpin	18188	19	-	13318708	13318778
TJU_CMC.ID08317.hairpin	18189	19	+	13350201	13350273
TJU_CMC.ID08318.hairpin	18190	19	-	13511318	13511389
TJU_CMC.ID08319.hairpin	18191	19	+	13943913	13943982
TJU_CMC.ID08320.hairpin	18192	19	-	14226353	14226426
TJU_CMC.ID08321.hairpin	18193	19	+	14317621	14317690
TJU_CMC.ID08322.hairpin	18194	19	-	14544358	14544428
TJU_CMC.ID08323.hairpin	18195	19	+	15209320	15209391
TJU_CMC.ID08324.hairpin	18196	19	+	15217481	15217552
TJU_CMC.ID08325.hairpin	18197	19	-	15252433	15252505
TJU_CMC.ID08326.hairpin	18198	19	-	15291531	15291603
TJU_CMC.ID08327.hairpin	18199	19	-	15423713	15423786
TJU_CMC.ID08328.hairpin	18200	19	+	15442801	15442870
TJU_CMC.ID08329.hairpin	18201	19	+	16192657	16192728

Table 1. Novel miRNA sequences

TJU_CMC.ID08330.hairpin	18202	19	+	16207632	16207702
TJU_CMC.ID08331.hairpin	18203	19	-	16247858	16247929
TJU_CMC.ID08332.hairpin	18204	19	-	16354441	16354510
TJU_CMC.ID08333.hairpin	18205	19	-	16682416	16682488
TJU_CMC.ID08334.hairpin	18206	19	-	16726934	16727007
TJU_CMC.ID08335.hairpin	18207	19	+	16808137	16808209
TJU_CMC.ID08336.hairpin	18208	19	+	17127684	17127753
TJU_CMC.ID08337.hairpin	18209	19	+	17228030	17228102
TJU_CMC.ID08338.hairpin	18210	19	-	17390405	17390477
TJU_CMC.ID08339.hairpin	18211	19	-	17797635	17797704
TJU_CMC.ID08340.hairpin	18212	19	+	18221691	18221761
TJU_CMC.ID08341.hairpin	18213	19	-	18418313	18418383
TJU_CMC.ID08342.hairpin	18214	19	-	18430305	18430375
TJU_CMC.ID08343.hairpin	18215	19	+	18610620	18610689
TJU_CMC.ID08344.hairpin	18216	19	+	19131880	19131952
TJU_CMC.ID08345.hairpin	18217	19	-	19555186	19555258
TJU_CMC.ID08346.hairpin	18218	19	-	19864814	19864884
TJU_CMC.ID08347.hairpin	18219	19	-	20700057	20700130
TJU_CMC.ID08348.hairpin	18220	19	+	22074592	22074663
TJU_CMC.ID08349.hairpin	18221	19	+	22215786	22215857
TJU_CMC.ID08350.hairpin	18222	19	+	22513129	22513200
TJU_CMC.ID08351.hairpin	18223	19	-	22700458	22700530
TJU_CMC.ID08352.hairpin	18224	19	+	22990421	22990493
TJU_CMC.ID08353.hairpin	18225	19	-	23270667	23270740
TJU_CMC.ID08354.hairpin	18226	19	-	24187282	24187355
TJU_CMC.ID08355.hairpin	18227	19	-	24245203	24245273
TJU_CMC.ID08356.hairpin	18228	19	+	24503413	24503482
TJU_CMC.ID08357.hairpin	18229	19	-	28169375	28169446
TJU_CMC.ID08358.hairpin	18230	19	-	28249954	28250026
TJU_CMC.ID08359.hairpin	18231	19	+	28842711	28842782
TJU_CMC.ID08360.hairpin	18232	19	+	29036695	29036768

Table 1. Novel miRNA sequences

TJU_CMC.ID08361.hairpin	18233	19	+	29079239	29079310
TJU_CMC.ID08362.hairpin	18234	19	-	29697612	29697684
TJU_CMC.ID08363.hairpin	18235	19	+	29759632	29759703
TJU_CMC.ID08364.hairpin	18236	19	+	29765963	29766036
TJU_CMC.ID08365.hairpin	18237	19	+	29912661	29912731
TJU_CMC.ID08366.hairpin	18238	19	-	30017814	30017883
TJU_CMC.ID08367.hairpin	18239	19	-	30206688	30206759
TJU_CMC.ID08368.hairpin	18240	19	-	30576341	30576412
TJU_CMC.ID08369.hairpin	18241	19	+	30621118	30621188
TJU_CMC.ID08370.hairpin	18242	19	+	30796724	30796797
TJU_CMC.ID08371.hairpin	18243	19	+	30804100	30804173
TJU_CMC.ID08372.hairpin	18244	19	-	31088071	31088142
TJU_CMC.ID08373.hairpin	18245	19	+	31268299	31268369
TJU_CMC.ID08374.hairpin	18246	19	-	31410435	31410507
TJU_CMC.ID08375.hairpin	18247	19	-	31792760	31792830
TJU_CMC.ID08376.hairpin	18248	19	-	31826720	31826789
TJU_CMC.ID08377.hairpin	18249	19	-	31959093	31959164
TJU_CMC.ID08378.hairpin	18250	19	+	31991374	31991445
TJU_CMC.ID08379.hairpin	18251	19	-	32187010	32187083
TJU_CMC.ID08380.hairpin	18252	19	-	32752341	32752414
TJU_CMC.ID08381.hairpin	18253	19	-	33302100	33302173
TJU_CMC.ID08382.hairpin	18254	19	+	33616846	33616915
TJU_CMC.ID08383.hairpin	18255	19	-	33635599	33635671
TJU_CMC.ID08384.hairpin	18256	19	+	33750458	33750527
TJU_CMC.ID08385.hairpin	18257	19	+	34072713	34072786
TJU_CMC.ID08386.hairpin	18258	19	+	34112948	34113021
TJU_CMC.ID08387.hairpin	18259	19	+	34153402	34153475
TJU_CMC.ID08388.hairpin	18260	19	+	35030390	35030463
TJU_CMC.ID08389.hairpin	18261	19	-	35232078	35232151
TJU_CMC.ID08390.hairpin	18262	19	+	35767671	35767741
TJU_CMC.ID08391.hairpin	18263	19	+	36043422	36043493

Table 1. Novel miRNA sequences

TJU_CMC.ID08392.hairpin	18264	19	-	36130625	36130694	
TJU_CMC.ID08393.hairpin	18265	19	-	36259772	36259841	
TJU_CMC.ID08394.hairpin	18266	19	-	36390641	36390712	
TJU_CMC.ID08395.hairpin	18267	19	+	36431366	36431437	
TJU_CMC.ID08396.hairpin	18268	19	+	36457750	36457820	
TJU_CMC.ID08397.hairpin	18269	19	-	36570496	36570565	
TJU_CMC.ID08398.hairpin	18270	19	-	36759957	36760027	
TJU_CMC.ID08399.hairpin	18271	19	-	37063694	37063765	
TJU_CMC.ID08400.hairpin	18272	19	-	38228592	38228664	
TJU_CMC.ID08401.hairpin	18273	19	-	38389448	38389521	
TJU_CMC.ID08402.hairpin	18274	19	+	38712260	38712331	
TJU_CMC.ID08403.hairpin	18275	19	-	39191878	39191948	
TJU_CMC.ID08404.hairpin	18276	19	-	39542499	39542571	
TJU_CMC.ID08405.hairpin	18277	19	+	39667922	39667993	
TJU_CMC.ID08406.hairpin	18278	19	-	39893296	39893366	
TJU_CMC.ID08407.hairpin	18279	19	+	39955460	39955532	
TJU_CMC.ID08408.hairpin	18280	19	-	40021309	40021382	
TJU_CMC.ID08409.hairpin	18281	19	+	40479526	40479597	
TJU_CMC.ID08410.hairpin	18282	19	-	40562640	40562713	
TJU_CMC.ID08411.hairpin	18283	19	+	40719507	40719580	
TJU_CMC.ID08412.hairpin.ID=MI0003656;Alias=MI0003656;Name=hsa-mir-641	18284	19	-	40788450	40788548	
TJU_CMC.ID08413.hairpin	18285	19	+	41103842	41103915	
TJU_CMC.ID08414.hairpin	18286	19	+	42137153	42137225	
TJU_CMC.ID08415.hairpin	18287	19	+	42188175	42188246	
TJU_CMC.ID08416.hairpin	18288	19	-	42369624	42369695	
TJU_CMC.ID08417.hairpin	18289	19	+	42523796	42523868	
TJU_CMC.ID08418.hairpin	18290	19	+	42788740	42788812	
TJU_CMC.ID08419.hairpin	18291	19	+	43056020	43056092	
TJU_CMC.ID08420.hairpin	18292	19	+	43443590	43443661	

Table 1. Novel miRNA sequences

TJU_CMC.ID08421.hairpin	18293	19	+	43772411	43772483	
TJU_CMC.ID08422.hairpin	18294	19	-	44057055	44057126	
TJU_CMC.ID08423.hairpin	18295	19	-	44096716	44096786	
TJU_CMC.ID08424.hairpin	18296	19	-	44317302	44317373	
TJU_CMC.ID08425.hairpin	18297	19	-	44484401	44484471	
TJU_CMC.ID08426.hairpin	18298	19	-	45132526	45132596	
TJU_CMC.ID08427.hairpin	18299	19	+	45350149	45350222	
TJU_CMC.ID08428.hairpin	18300	19	-	46305387	46305457	
TJU_CMC.ID08429.hairpin	18301	19	+	46697030	46697102	
TJU_CMC.ID08430.hairpin	18302	19	+	47615780	47615852	
TJU_CMC.ID08431.hairpin	18303	19	-	48112735	48112808	
TJU_CMC.ID08432.hairpin	18304	19	-	48130605	48130676	
TJU_CMC.ID08433.hairpin	18305	19	-	48302179	48302250	
TJU_CMC.ID08434.hairpin	18306	19	-	48737298	48737371	
TJU_CMC.ID08435.hairpin	18307	19	-	49037794	49037866	
TJU_CMC.ID08436.hairpin	18308	19	+	49160459	49160530	
TJU_CMC.ID08437.hairpin	18309	19	+	49167553	49167624	
TJU_CMC.ID08438.hairpin	18310	19	+	49925530	49925603	
TJU_CMC.ID08439.hairpin	18311	19	+	49993858	49993927	
TJU_CMC.ID08440.hairpin	18312	19	-	50110315	50110385	
TJU_CMC.ID08441.hairpin	18313	19	-	50456264	50456335	
TJU_CMC.ID08442.hairpin	18314	19	-	50536351	50536424	
TJU_CMC.ID08443.hairpin	18315	19	+	50881563	50881632	
TJU_CMC.ID08444.hairpin	18316	19	+	51071299	51071371	
TJU_CMC.ID08445.hairpin	18317	19	-	51189925	51189996	
TJU_CMC.ID08446.hairpin	18318	19	-	51213447	51213517	
TJU_CMC.ID08447.hairpin	18319	19	-	51221447	51221516	
TJU_CMC.ID08448.hairpin	18320	19	+	51307846	51307917	
TJU_CMC.ID08449.hairpin	18321	19	+	51463782	51463851	
TJU_CMC.ID08450.hairpin	18322	19	-	51535307	51535380	
TJU_CMC.ID08451.hairpin	18323	19	+	51716085	51716156	

Table 1. Novel miRNA sequences

TJU_CMC.ID08452.hairpin	18324	19	+	51840738	51840809	
TJU_CMC.ID08453.hairpin	18325	19	-	51972473	51972544	
TJU_CMC.ID08454.hairpin	18326	19	+	52141258	52141329	
TJU_CMC.ID08455.hairpin	18327	19	+	52297744	52297815	
TJU_CMC.ID08456.hairpin	18328	19	-	52361333	52361404	
TJU_CMC.ID08457.hairpin	18329	19	-	52420894	52420963	
TJU_CMC.ID08458.hairpin	18330	19	-	52542195	52542268	
TJU_CMC.ID08459.hairpin	18331	19	-	53046214	53046285	
TJU_CMC.ID08460.hairpin	18332	19	-	53104381	53104452	
TJU_CMC.ID08461.hairpin	18333	19	+	53126127	53126199	
TJU_CMC.ID08462.hairpin	18334	19	-	53127697	53127768	
TJU_CMC.ID08463.hairpin	18335	19	-	53131327	53131398	
TJU_CMC.ID08464.hairpin	18336	19	-	53409610	53409679	
TJU_CMC.ID08465.hairpin	18337	19	-	54466591	54466663	
TJU_CMC.ID08466.hairpin	18338	19	+	54772075	54772145	
TJU_CMC.ID08467.hairpin	18339	19	+	55100592	55100663	
TJU_CMC.ID08468.hairpin	18340	19	+	55156631	55156704	
TJU_CMC.ID08469.hairpin	18341	19	+	55306369	55306442	
TJU_CMC.ID08470.hairpin	18342	19	+	55404904	55404975	
TJU_CMC.ID08471.hairpin	18343	19	+	55515704	55515777	
TJU_CMC.ID08472.hairpin	18344	19	+	55813854	55813926	
TJU_CMC.ID08473.hairpin	18345	19	-	55881379	55881451	
TJU_CMC.ID08474.hairpin	18346	19	-	55943596	55943667	
TJU_CMC.ID08475.hairpin	18347	19	+	56631999	56632068	
TJU_CMC.ID08476.hairpin	18348	19	+	57081682	57081752	
TJU_CMC.ID08477.hairpin	18349	19	+	57123163	57123234	
TJU_CMC.ID08478.hairpin	18350	19	+	57367247	57367318	
TJU_CMC.ID08479.hairpin	18351	19	+	57950473	57950545	
TJU_CMC.ID08480.hairpin	18352	19	-	58024376	58024445	
TJU_CMC.ID08481.hairpin	18353	19	+	58070135	58070205	
TJU_CMC.ID08482.hairpin	18354	19	-	58171426	58171497	

Table 1. Novel miRNA sequences

TJU_CMC.ID08483.hairpin	18355	19	+	58596242	58596312
TJU_CMC.ID08484.hairpin	18356	19	-	58691560	58691630
TJU_CMC.ID08485.hairpin	18357	19	+	58760946	58761018
TJU_CMC.ID08486.hairpin	18358	19	-	58973112	58973182
TJU_CMC.ID08487.hairpin	18359	19	+	58990568	58990639
TJU_CMC.ID08488.hairpin	18360	20	-	307171	307241
TJU_CMC.ID08489.hairpin	18361	20	-	611410	611482
TJU_CMC.ID08490.hairpin	18362	20	+	756028	756100
TJU_CMC.ID08491.hairpin	18363	20	+	1016759	1016828
TJU_CMC.ID08492.hairpin	18364	20	-	1371632	1371703
TJU_CMC.ID08493.hairpin	18365	20	+	1467418	1467490
TJU_CMC.ID08494.hairpin	18366	20	+	1657260	1657331
TJU_CMC.ID08495.hairpin	18367	20	-	1815885	1815958
TJU_CMC.ID08496.hairpin	18368	20	+	1816815	1816885
TJU_CMC.ID08497.hairpin	18369	20	+	1875387	1875460
TJU_CMC.ID08498.hairpin	18370	20	+	1886931	1887003
TJU_CMC.ID08499.hairpin	18371	20	-	2549593	2549663
TJU_CMC.ID08500.hairpin	18372	20	+	3025507	3025577
TJU_CMC.ID08501.hairpin	18373	20	+	3194756	3194827
TJU_CMC.ID08502.hairpin	18374	20	-	3255856	3255927
TJU_CMC.ID08503.hairpin	18375	20	+	3549936	3550007
TJU_CMC.ID08504.hairpin	18376	20	+	3573853	3573926
TJU_CMC.ID08505.hairpin	18377	20	-	3714913	3714985
TJU_CMC.ID08506.hairpin	18378	20	-	3865766	3865835
TJU_CMC.ID08507.hairpin	18379	20	-	3905067	3905137
TJU_CMC.ID08508.hairpin	18380	20	+	4385267	4385340
TJU_CMC.ID08509.hairpin	18381	20	-	4537512	4537581
TJU_CMC.ID08510.hairpin	18382	20	-	4690761	4690832
TJU_CMC.ID08511.hairpin	18383	20	-	4772944	4773016
TJU_CMC.ID08512.hairpin	18384	20	+	4861355	4861428
TJU_CMC.ID08513.hairpin	18385	20	+	4893495	4893564

Table 1. Novel miRNA sequences

TJU_CMC.ID08514.hairpin	18386	20	+	5165570	5165642
TJU_CMC.ID08515.hairpin	18387	20	-	5274713	5274782
TJU_CMC.ID08516.hairpin	18388	20	+	5464278	5464351
TJU_CMC.ID08517.hairpin	18389	20	-	5494952	5495022
TJU_CMC.ID08518.hairpin	18390	20	-	5799034	5799107
TJU_CMC.ID08519.hairpin	18391	20	-	6008941	6009011
TJU_CMC.ID08520.hairpin	18392	20	+	6497046	6497117
TJU_CMC.ID08521.hairpin	18393	20	-	6570573	6570646
TJU_CMC.ID08522.hairpin	18394	20	+	7629548	7629619
TJU_CMC.ID08523.hairpin	18395	20	-	7725426	7725497
TJU_CMC.ID08524.hairpin	18396	20	+	8133068	8133140
TJU_CMC.ID08525.hairpin	18397	20	+	9140533	9140604
TJU_CMC.ID08526.hairpin	18398	20	-	9240578	9240648
TJU_CMC.ID08527.hairpin	18399	20	+	9608839	9608912
TJU_CMC.ID08528.hairpin	18400	20	-	9739122	9739194
TJU_CMC.ID08529.hairpin	18401	20	-	10059041	10059113
TJU_CMC.ID08530.hairpin	18402	20	+	10178753	10178825
TJU_CMC.ID08531.hairpin	18403	20	-	10793220	10793291
TJU_CMC.ID08532.hairpin	18404	20	+	11057170	11057241
TJU_CMC.ID08533.hairpin	18405	20	-	11252612	11252681
TJU_CMC.ID08534.hairpin	18406	20	-	11518391	11518463
TJU_CMC.ID08535.hairpin	18407	20	+	11881885	11881956
TJU_CMC.ID08536.hairpin	18408	20	+	12096051	12096122
TJU_CMC.ID08537.hairpin	18409	20	+	12097139	12097210
TJU_CMC.ID08538.hairpin	18410	20	-	12907304	12907376
TJU_CMC.ID08539.hairpin	18411	20	+	13109840	13109909
TJU_CMC.ID08540.hairpin	18412	20	-	13317144	13317215
TJU_CMC.ID08541.hairpin	18413	20	+	14606934	14607007
TJU_CMC.ID08542.hairpin	18414	20	+	15035287	15035357
TJU_CMC.ID08543.hairpin	18415	20	-	15577189	15577261
TJU_CMC.ID08544.hairpin	18416	20	-	15741207	15741277

Table 1. Novel miRNA sequences

TJU_CMC.ID08545.hairpin	18417	20	-	15755216	15755287	
TJU_CMC.ID08546.hairpin	18418	20	-	15960224	15960294	
TJU_CMC.ID08547.hairpin	18419	20	+	16347890	16347962	
TJU_CMC.ID08548.hairpin	18420	20	-	16805647	16805720	
TJU_CMC.ID08549.hairpin	18421	20	-	17449361	17449433	
TJU_CMC.ID08550.hairpin	18422	20	-	17484905	17484977	
TJU_CMC.ID08551.hairpin	18423	20	+	17580285	17580354	
TJU_CMC.ID08552.hairpin	18424	20	+	17671360	17671429	
TJU_CMC.ID08553.hairpin	18425	20	-	17724190	17724261	
TJU_CMC.ID08554.hairpin	18426	20	+	17981170	17981242	
TJU_CMC.ID08555.hairpin	18427	20	-	18055247	18055319	
TJU_CMC.ID08556.hairpin	18428	20	-	18137754	18137824	
TJU_CMC.ID08557.hairpin	18429	20	+	18193829	18193901	
TJU_CMC.ID08558.hairpin	18430	20	-	18528937	18529010	
TJU_CMC.ID08559.hairpin	18431	20	+	19468671	19468740	
TJU_CMC.ID08560.hairpin	18432	20	-	19641711	19641782	
TJU_CMC.ID08561.hairpin	18433	20	-	19937338	19937408	
TJU_CMC.ID08562.hairpin	18434	20	-	20441007	20441078	
TJU_CMC.ID08563.hairpin	18435	20	-	20546855	20546926	
TJU_CMC.ID08564.hairpin	18436	20	-	20805393	20805466	
TJU_CMC.ID08565.hairpin	18437	20	+	20805485	20805555	
TJU_CMC.ID08566.hairpin	18438	20	+	20923526	20923597	
TJU_CMC.ID08567.hairpin	18439	20	+	20998709	20998780	
TJU_CMC.ID08568.hairpin	18440	20	+	21221149	21221221	
TJU_CMC.ID08569.hairpin	18441	20	-	21594674	21594746	
TJU_CMC.ID08570.hairpin	18442	20	+	21851079	21851150	
TJU_CMC.ID08571.hairpin	18443	20	-	22424862	22424935	
TJU_CMC.ID08572.hairpin	18444	20	+	23008339	23008411	
TJU_CMC.ID08573.hairpin	18445	20	+	23038530	23038601	
TJU_CMC.ID08574.hairpin	18446	20	+	23055922	23055993	
TJU_CMC.ID08575.hairpin	18447	20	-	23291438	23291511	

Table 1. Novel miRNA sequences

TJU_CMC.ID08576.hairpin	18448	20	-	24078371	24078441
TJU_CMC.ID08577.hairpin	18449	20	+	24759809	24759880
TJU_CMC.ID08578.hairpin	18450	20	-	24770803	24770875
TJU_CMC.ID08579.hairpin	18451	20	-	24869479	24869548
TJU_CMC.ID08580.hairpin	18452	20	-	24942923	24942996
TJU_CMC.ID08581.hairpin	18453	20	-	25058843	25058913
TJU_CMC.ID08582.hairpin	18454	20	-	25491041	25491110
TJU_CMC.ID08583.hairpin	18455	20	-	26189301	26189374
TJU_CMC.ID08584.hairpin	18456	20	-	29646927	29646998
TJU_CMC.ID08585.hairpin	18457	20	-	30449491	30449563
TJU_CMC.ID08586.hairpin	18458	20	-	31078026	31078097
TJU_CMC.ID08587.hairpin	18459	20	-	31202847	31202917
TJU_CMC.ID08588.hairpin	18460	20	-	31304710	31304782
TJU_CMC.ID08589.hairpin	18461	20	-	31333059	31333132
TJU_CMC.ID08590.hairpin	18462	20	+	31600036	31600105
TJU_CMC.ID08591.hairpin	18463	20	-	31778609	31778678
TJU_CMC.ID08592.hairpin	18464	20	+	32153563	32153634
TJU_CMC.ID08593.hairpin	18465	20	-	32361963	32362033
TJU_CMC.ID08594.hairpin	18466	20	-	32524247	32524316
TJU_CMC.ID08595.hairpin	18467	20	-	33173162	33173234
TJU_CMC.ID08596.hairpin	18468	20	-	34177945	34178015
TJU_CMC.ID08597.hairpin	18469	20	+	34856657	34856726
TJU_CMC.ID08598.hairpin	18470	20	-	34879141	34879210
TJU_CMC.ID08599.hairpin	18471	20	+	34949836	34949909
TJU_CMC.ID08600.hairpin	18472	20	+	34966219	34966291
TJU_CMC.ID08601.hairpin	18473	20	-	35202905	35202974
TJU_CMC.ID08602.hairpin	18474	20	+	35402790	35402862
TJU_CMC.ID08603.hairpin	18475	20	-	35425074	35425143
TJU_CMC.ID08604.hairpin	18476	20	+	36002406	36002475
TJU_CMC.ID08605.hairpin	18477	20	-	36498776	36498847
TJU_CMC.ID08606.hairpin	18478	20	+	36498780	36498850

Table 1. Novel miRNA sequences

TJU_CMC.ID08607.hairpin	18479	20	-	36531525	36531598	
TJU_CMC.ID08608.hairpin	18480	20	+	36578009	36578078	
TJU_CMC.ID08609.hairpin	18481	20	-	36815440	36815509	
TJU_CMC.ID08610.hairpin	18482	20	-	36941337	36941406	
TJU_CMC.ID08611.hairpin	18483	20	-	37053838	37053911	
TJU_CMC.ID08612.hairpin	18484	20	+	37078074	37078145	
TJU_CMC.ID08613.hairpin	18485	20	-	37214992	37215065	
TJU_CMC.ID08614.hairpin	18486	20	-	37234391	37234460	
TJU_CMC.ID08615.hairpin	18487	20	+	37920303	37920375	
TJU_CMC.ID08616.hairpin	18488	20	-	38106120	38106191	
TJU_CMC.ID08617.hairpin	18489	20	+	38972277	38972350	
TJU_CMC.ID08618.hairpin	18490	20	+	39111705	39111778	
TJU_CMC.ID08619.hairpin	18491	20	-	39134680	39134750	
TJU_CMC.ID08620.hairpin	18492	20	+	39874529	39874600	
TJU_CMC.ID08621.hairpin	18493	20	-	39995069	39995140	
TJU_CMC.ID08622.hairpin	18494	20	-	40025115	40025188	
TJU_CMC.ID08623.hairpin	18495	20	-	40029407	40029477	
TJU_CMC.ID08624.hairpin	18496	20	-	40448692	40448761	
TJU_CMC.ID08625.hairpin	18497	20	+	40556396	40556466	
TJU_CMC.ID08626.hairpin	18498	20	-	40576914	40576987	
TJU_CMC.ID08627.hairpin	18499	20	-	40704912	40704982	
TJU_CMC.ID08628.hairpin	18500	20	+	40823413	40823484	
TJU_CMC.ID08629.hairpin	18501	20	+	41264585	41264657	
TJU_CMC.ID08630.hairpin	18502	20	+	41496806	41496877	
TJU_CMC.ID08631.hairpin	18503	20	-	41771245	41771314	
TJU_CMC.ID08632.hairpin	18504	20	+	41892291	41892363	
TJU_CMC.ID08633.hairpin	18505	20	-	41940316	41940388	
TJU_CMC.ID08634.hairpin	18506	20	+	42074223	42074294	
TJU_CMC.ID08635.hairpin	18507	20	-	42365360	42365429	
TJU_CMC.ID08636.hairpin	18508	20	-	42664824	42664896	
TJU_CMC.ID08637.hairpin	18509	20	+	42853122	42853192	

Table 1. Novel miRNA sequences

TJU_CMC.ID08638.hairpin	18510	20	+	42932690	42932761	
TJU_CMC.ID08639.hairpin	18511	20	+	43039813	43039886	
TJU_CMC.ID08640.hairpin	18512	20	-	43094506	43094576	
TJU_CMC.ID08641.hairpin	18513	20	-	44109712	44109782	
TJU_CMC.ID08642.hairpin	18514	20	-	44128570	44128643	
TJU_CMC.ID08643.hairpin	18515	20	-	44506365	44506436	
TJU_CMC.ID08644.hairpin	18516	20	+	44574194	44574264	
TJU_CMC.ID08645.hairpin	18517	20	-	44791812	44791881	
TJU_CMC.ID08646.hairpin	18518	20	-	44823834	44823907	
TJU_CMC.ID08647.hairpin	18519	20	-	44990529	44990599	
TJU_CMC.ID08648.hairpin	18520	20	-	45078379	45078451	
TJU_CMC.ID08649.hairpin	18521	20	+	45439789	45439860	
TJU_CMC.ID08650.hairpin	18522	20	-	45470282	45470352	
TJU_CMC.ID08651.hairpin	18523	20	+	46061670	46061742	
TJU_CMC.ID08652.hairpin	18524	20	+	46243546	46243619	
TJU_CMC.ID08653.hairpin	18525	20	+	46321494	46321567	
TJU_CMC.ID08654.hairpin	18526	20	-	46380879	46380951	
TJU_CMC.ID08655.hairpin	18527	20	+	46679792	46679861	
TJU_CMC.ID08656.hairpin	18528	20	-	46727379	46727451	
TJU_CMC.ID08657.hairpin	18529	20	-	47211258	47211329	
TJU_CMC.ID08658.hairpin	18530	20	+	47229008	47229078	
TJU_CMC.ID08659.hairpin	18531	20	-	47422549	47422619	
TJU_CMC.ID08660.hairpin	18532	20	+	48055156	48055228	
TJU_CMC.ID08661.hairpin	18533	20	-	48997399	48997469	
TJU_CMC.ID08662.hairpin	18534	20	-	49135616	49135687	
TJU_CMC.ID08663.hairpin	18535	20	+	49184283	49184355	
TJU_CMC.ID08664.hairpin	18536	20	-	49408755	49408828	
TJU_CMC.ID08665.hairpin	18537	20	+	49424445	49424517	
TJU_CMC.ID08666.hairpin	18538	20	+	49430451	49430523	
TJU_CMC.ID08667.hairpin	18539	20	+	49600850	49600922	
TJU_CMC.ID08668.hairpin	18540	20	+	49809021	49809092	

Table 1. Novel miRNA sequences

TJU_CMC.ID08669.hairpin	18541	20	+	49842474	49842545
TJU_CMC.ID08670.hairpin	18542	20	-	49855651	49855722
TJU_CMC.ID08671.hairpin	18543	20	+	49870482	49870555
TJU_CMC.ID08672.hairpin	18544	20	+	49871069	49871142
TJU_CMC.ID08673.hairpin	18545	20	+	50900002	50900074
TJU_CMC.ID08674.hairpin	18546	20	+	51105597	51105667
TJU_CMC.ID08675.hairpin	18547	20	-	51151660	51151733
TJU_CMC.ID08676.hairpin	18548	20	-	51290455	51290527
TJU_CMC.ID08677.hairpin	18549	20	+	51877828	51877897
TJU_CMC.ID08678.hairpin	18550	20	+	51880812	51880882
TJU_CMC.ID08679.hairpin	18551	20	+	52015810	52015881
TJU_CMC.ID08680.hairpin	18552	20	+	52025485	52025556
TJU_CMC.ID08681.hairpin	18553	20	-	52226040	52226113
TJU_CMC.ID08682.hairpin	18554	20	-	52380611	52380684
TJU_CMC.ID08683.hairpin	18555	20	+	52544627	52544700
TJU_CMC.ID08684.hairpin	18556	20	+	52580734	52580804
TJU_CMC.ID08685.hairpin	18557	20	+	52763652	52763723
TJU_CMC.ID08686.hairpin	18558	20	+	52775384	52775455
TJU_CMC.ID08687.hairpin	18559	20	-	53711675	53711746
TJU_CMC.ID08688.hairpin	18560	20	+	53738316	53738389
TJU_CMC.ID08689.hairpin	18561	20	-	54499938	54500007
TJU_CMC.ID08690.hairpin	18562	20	-	54606272	54606343
TJU_CMC.ID08691.hairpin	18563	20	-	54776098	54776171
TJU_CMC.ID08692.hairpin	18564	20	-	54821435	54821506
TJU_CMC.ID08693.hairpin	18565	20	+	55449530	55449603
TJU_CMC.ID08694.hairpin	18566	20	-	56192287	56192359
TJU_CMC.ID08695.hairpin	18567	20	-	56228076	56228149
TJU_CMC.ID08696.hairpin	18568	20	+	56305829	56305902
TJU_CMC.ID08697.hairpin	18569	20	-	56337549	56337620
TJU_CMC.ID08698.hairpin	18570	20	-	56885712	56885784
TJU_CMC.ID08699.hairpin	18571	20	-	56964584	56964655

Table 1. Novel miRNA sequences

TJU_CMC.ID08700.hairpin	18572	20	-	57414160	57414229
TJU_CMC.ID08701.hairpin	18573	20	+	57421443	57421514
TJU_CMC.ID08702.hairpin	18574	20	-	57423105	57423177
TJU_CMC.ID08703.hairpin	18575	20	-	57427088	57427161
TJU_CMC.ID08704.hairpin	18576	20	+	57629407	57629477
TJU_CMC.ID08705.hairpin	18577	20	-	58152517	58152590
TJU_CMC.ID08706.hairpin	18578	20	+	58518187	58518259
TJU_CMC.ID08707.hairpin	18579	20	-	58654855	58654927
TJU_CMC.ID08708.hairpin	18580	20	-	58672276	58672349
TJU_CMC.ID08709.hairpin	18581	20	+	58844205	58844277
TJU_CMC.ID08710.hairpin	18582	20	+	58847867	58847939
TJU_CMC.ID08711.hairpin	18583	20	+	58968614	58968686
TJU_CMC.ID08712.hairpin	18584	20	-	59208386	59208458
TJU_CMC.ID08713.hairpin	18585	20	+	59219835	59219905
TJU_CMC.ID08714.hairpin	18586	20	+	59304759	59304829
TJU_CMC.ID08715.hairpin	18587	20	+	59363397	59363469
TJU_CMC.ID08716.hairpin	18588	20	+	59713774	59713846
TJU_CMC.ID08717.hairpin	18589	20	+	59745809	59745881
TJU_CMC.ID08718.hairpin	18590	20	+	59881112	59881184
TJU_CMC.ID08719.hairpin	18591	20	+	60202249	60202322
TJU_CMC.ID08720.hairpin	18592	20	-	60219264	60219336
TJU_CMC.ID08721.hairpin	18593	20	-	60359888	60359961
TJU_CMC.ID08722.hairpin	18594	20	-	60736040	60736109
TJU_CMC.ID08723.hairpin	18595	20	+	60740309	60740382
TJU_CMC.ID08724.hairpin	18596	20	-	60747641	60747710
TJU_CMC.ID08725.hairpin	18597	20	+	60783361	60783431
TJU_CMC.ID08726.hairpin	18598	20	-	60903627	60903699
TJU_CMC.ID08727.hairpin	18599	20	+	61042825	61042896
TJU_CMC.ID08728.hairpin	18600	20	+	61050264	61050334
TJU_CMC.ID08729.hairpin	18601	20	-	61050649	61050720

Table 1. Novel miRNA sequences

TJU_CMC.ID08730.hairpin.ID=MI0000651;Alias=MI0000651;Name=hsa-mir-1-1	18602	20	+	61151513	61151583
TJU_CMC.ID08731.hairpin	18603	20	-	62171158	62171229
TJU_CMC.ID08732.hairpin	18604	20	-	62387761	62387832
TJU_CMC.ID08733.hairpin	18605	20	-	62544478	62544547
TJU_CMC.ID08734.hairpin	18606	20	+	62717609	62717679
TJU_CMC.ID08735.hairpin	18607	20	-	62830584	62830657
TJU_CMC.ID08736.hairpin	18608	20	-	62862955	62863026
TJU_CMC.ID08737.hairpin	18609	20	-	62872050	62872121
TJU_CMC.ID08738.hairpin	18610	21	+	15715886	15715956
TJU_CMC.ID08739.hairpin	18611	21	-	15806665	15806737
TJU_CMC.ID08740.hairpin	18612	21	-	16029403	16029476
TJU_CMC.ID08741.hairpin	18613	21	+	16309658	16309731
TJU_CMC.ID08742.hairpin	18614	21	+	16750548	16750621
TJU_CMC.ID08743.hairpin	18615	21	-	17216327	17216400
TJU_CMC.ID08744.hairpin	18616	21	+	17417300	17417371
TJU_CMC.ID08745.hairpin	18617	21	-	17433598	17433670
TJU_CMC.ID08746.hairpin	18618	21	+	18646016	18646086
TJU_CMC.ID08747.hairpin	18619	21	+	18769450	18769521
TJU_CMC.ID08748.hairpin	18620	21	-	20057872	20057941
TJU_CMC.ID08749.hairpin	18621	21	-	20514001	20514073
TJU_CMC.ID08750.hairpin	18622	21	-	20779103	20779175
TJU_CMC.ID08751.hairpin	18623	21	-	21093076	21093148
TJU_CMC.ID08752.hairpin	18624	21	-	21879893	21879966
TJU_CMC.ID08753.hairpin	18625	21	+	22043323	22043393
TJU_CMC.ID08754.hairpin	18626	21	-	22229347	22229416
TJU_CMC.ID08755.hairpin	18627	21	-	23655777	23655850
TJU_CMC.ID08756.hairpin	18628	21	+	24906038	24906107
TJU_CMC.ID08757.hairpin	18629	21	-	24993601	24993672
TJU_CMC.ID08758.hairpin	18630	21	-	25568132	25568204

Table 1. Novel miRNA sequences

TJU_CMC.ID08759.hairpin	18631	21	-	25680805	25680877
TJU_CMC.ID08760.hairpin	18632	21	+	26088044	26088114
TJU_CMC.ID08761.hairpin	18633	21	-	26177226	26177298
TJU_CMC.ID08762.hairpin	18634	21	+	26219502	26219572
TJU_CMC.ID08763.hairpin	18635	21	-	26784648	26784720
TJU_CMC.ID08764.hairpin	18636	21	-	26880919	26880991
TJU_CMC.ID08765.hairpin	18637	21	+	27088972	27089042
TJU_CMC.ID08766.hairpin	18638	21	-	27252714	27252785
TJU_CMC.ID08767.hairpin	18639	21	+	27728081	27728153
TJU_CMC.ID08768.hairpin	18640	21	-	28034041	28034113
TJU_CMC.ID08769.hairpin	18641	21	+	28158435	28158506
TJU_CMC.ID08770.hairpin	18642	21	-	28200262	28200333
TJU_CMC.ID08771.hairpin	18643	21	+	28347227	28347299
TJU_CMC.ID08772.hairpin	18644	21	+	28370703	28370772
TJU_CMC.ID08773.hairpin	18645	21	-	29658175	29658244
TJU_CMC.ID08774.hairpin	18646	21	+	29661052	29661121
TJU_CMC.ID08775.hairpin	18647	21	+	30204622	30204691
TJU_CMC.ID08776.hairpin	18648	21	+	30407209	30407279
TJU_CMC.ID08777.hairpin	18649	21	+	30589427	30589496
TJU_CMC.ID08778.hairpin	18650	21	-	30856024	30856096
TJU_CMC.ID08779.hairpin	18651	21	-	30892870	30892942
TJU_CMC.ID08780.hairpin	18652	21	+	31358167	31358237
TJU_CMC.ID08781.hairpin	18653	21	-	32097156	32097226
TJU_CMC.ID08782.hairpin	18654	21	-	32113421	32113493
TJU_CMC.ID08783.hairpin	18655	21	+	32437741	32437814
TJU_CMC.ID08784.hairpin	18656	21	-	32538329	32538400
TJU_CMC.ID08785.hairpin	18657	21	+	33245637	33245708
TJU_CMC.ID08786.hairpin	18658	21	-	33499719	33499788
TJU_CMC.ID08787.hairpin	18659	21	-	33684795	33684866
TJU_CMC.ID08788.hairpin	18660	21	-	33697877	33697950
TJU_CMC.ID08789.hairpin	18661	21	-	34171829	34171899

Table 1. Novel miRNA sequences

TJU_CMC.ID08790.hairpin	18662	21	-	34400075	34400144	
TJU_CMC.ID08791.hairpin	18663	21	-	35079771	35079842	
TJU_CMC.ID08792.hairpin	18664	21	-	36098907	36098977	
TJU_CMC.ID08793.hairpin	18665	21	-	36280805	36280877	
TJU_CMC.ID08794.hairpin	18666	21	-	36413130	36413201	
TJU_CMC.ID08795.hairpin	18667	21	-	36837404	36837474	
TJU_CMC.ID08796.hairpin	18668	21	-	37446343	37446413	
TJU_CMC.ID08797.hairpin	18669	21	-	37529035	37529104	
TJU_CMC.ID08798.hairpin	18670	21	-	37657822	37657891	
TJU_CMC.ID08799.hairpin	18671	21	-	38167572	38167641	
TJU_CMC.ID08800.hairpin	18672	21	+	38252341	38252412	
TJU_CMC.ID08801.hairpin	18673	21	+	38375697	38375766	
TJU_CMC.ID08802.hairpin	18674	21	+	38553838	38553908	
TJU_CMC.ID08803.hairpin	18675	21	+	38617252	38617325	
TJU_CMC.ID08804.hairpin	18676	21	-	38824725	38824796	
TJU_CMC.ID08805.hairpin	18677	21	+	39052720	39052792	
TJU_CMC.ID08806.hairpin	18678	21	-	39077493	39077564	
TJU_CMC.ID08807.hairpin	18679	21	+	39268737	39268809	
TJU_CMC.ID08808.hairpin	18680	21	-	39847438	39847507	
TJU_CMC.ID08809.hairpin	18681	21	+	39895844	39895915	
TJU_CMC.ID08810.hairpin	18682	21	+	40057257	40057328	
TJU_CMC.ID08811.hairpin	18683	21	+	40124184	40124253	
TJU_CMC.ID08812.hairpin	18684	21	-	40461183	40461254	
TJU_CMC.ID08813.hairpin	18685	21	-	40480382	40480453	
TJU_CMC.ID08814.hairpin	18686	21	-	40948654	40948725	
TJU_CMC.ID08815.hairpin	18687	21	+	41656580	41656650	
TJU_CMC.ID08816.hairpin	18688	21	-	41812895	41812968	
TJU_CMC.ID08817.hairpin	18689	21	+	41856648	41856720	
TJU_CMC.ID08818.hairpin	18690	21	+	41907568	41907639	
TJU_CMC.ID08819.hairpin	18691	21	+	41955272	41955341	
TJU_CMC.ID08820.hairpin	18692	21	+	42279007	42279079	

Table 1. Novel miRNA sequences

TJU_CMC.ID08821.hairpin	18693	21	-	42540652	42540723	
TJU_CMC.ID08822.hairpin	18694	21	+	42854327	42854399	
TJU_CMC.ID08823.hairpin	18695	21	+	43041853	43041924	
TJU_CMC.ID08824.hairpin	18696	21	+	43266636	43266708	
TJU_CMC.ID08825.hairpin	18697	21	-	43476216	43476287	
TJU_CMC.ID08826.hairpin	18698	21	+	43531875	43531947	
TJU_CMC.ID08827.hairpin	18699	21	-	43533860	43533930	
TJU_CMC.ID08828.hairpin	18700	21	+	43574313	43574385	
TJU_CMC.ID08829.hairpin	18701	21	+	43639349	43639421	
TJU_CMC.ID08830.hairpin	18702	21	-	43769387	43769459	
TJU_CMC.ID08831.hairpin	18703	21	+	44106983	44107053	
TJU_CMC.ID08832.hairpin	18704	21	-	44179363	44179434	
TJU_CMC.ID08833.hairpin	18705	21	-	44418124	44418193	
TJU_CMC.ID08834.hairpin	18706	21	-	44889743	44889812	
TJU_CMC.ID08835.hairpin	18707	21	-	44914287	44914358	
TJU_CMC.ID08836.hairpin	18708	21	+	44968327	44968400	
TJU_CMC.ID08837.hairpin	18709	21	+	45735054	45735124	
TJU_CMC.ID08838.hairpin	18710	21	-	45895650	45895723	
TJU_CMC.ID08839.hairpin	18711	21	-	45931301	45931372	
TJU_CMC.ID08840.hairpin	18712	21	-	45941813	45941884	
TJU_CMC.ID08841.hairpin	18713	21	-	45956831	45956900	
TJU_CMC.ID08842.hairpin	18714	21	-	46076940	46077011	
TJU_CMC.ID08843.hairpin	18715	21	+	46099845	46099917	
TJU_CMC.ID08844.hairpin	18716	21	+	46301285	46301356	
TJU_CMC.ID08845.hairpin	18717	21	-	46644339	46644411	
TJU_CMC.ID08846.hairpin	18718	21	-	46679557	46679627	
TJU_CMC.ID08847.hairpin	18719	21	-	46782210	46782283	
TJU_CMC.ID08848.hairpin	18720	21	-	46786415	46786487	
TJU_CMC.ID08849.hairpin	18721	21	-	46901376	46901447	
TJU_CMC.ID08850.hairpin	18722	21	+	47371317	47371389	
TJU_CMC.ID08851.hairpin	18723	21	+	47459864	47459933	

Table 1. Novel miRNA sequences

TJU_CMC.ID08852.hairpin	18724	21	+	47508055	47508127	
TJU_CMC.ID08853.hairpin	18725	21	+	47662458	47662527	
TJU_CMC.ID08854.hairpin	18726	21	+	47821131	47821202	
TJU_CMC.ID08855.hairpin	18727	21	-	48081618	48081690	
TJU_CMC.ID08856.hairpin	18728	22	-	18239050	18239123	
TJU_CMC.ID08857.hairpin	18729	22	-	18352122	18352195	
TJU_CMC.ID08858.hairpin	18730	22	+	18921655	18921728	
TJU_CMC.ID08859.hairpin	18731	22	+	18956005	18956076	
TJU_CMC.ID08860.hairpin	18732	22	+	19046278	19046349	
TJU_CMC.ID08861.hairpin	18733	22	+	19116418	19116491	
TJU_CMC.ID08862.hairpin	18734	22	+	19215474	19215544	
TJU_CMC.ID08863.hairpin	18735	22	-	19266976	19267048	
TJU_CMC.ID08864.hairpin	18736	22	+	19615079	19615150	
TJU_CMC.ID08865.hairpin	18737	22	+	19796181	19796250	
TJU_CMC.ID08866.hairpin	18738	22	-	20004460	20004530	
TJU_CMC.ID08867.hairpin	18739	22	+	20052697	20052769	
TJU_CMC.ID08868.hairpin	18740	22	+	20070246	20070317	
TJU_CMC.ID08869.hairpin	18741	22	+	21167312	21167385	
TJU_CMC.ID08870.hairpin	18742	22	-	21343134	21343205	
TJU_CMC.ID08871.hairpin	18743	22	+	21347201	21347273	
TJU_CMC.ID08872.hairpin	18744	22	-	21570233	21570304	
TJU_CMC.ID08873.hairpin	18745	22	-	21604317	21604386	
TJU_CMC.ID08874.hairpin	18746	22	-	22111692	22111764	
TJU_CMC.ID08875.hairpin	18747	22	+	22273000	22273069	
TJU_CMC.ID08876.hairpin	18748	22	+	22392372	22392444	
TJU_CMC.ID08877.hairpin	18749	22	+	22438683	22438756	
TJU_CMC.ID08878.hairpin	18750	22	-	22758254	22758326	
TJU_CMC.ID08879.hairpin	18751	22	+	23104871	23104942	
TJU_CMC.ID08880.hairpin	18752	22	-	23226177	23226249	
TJU_CMC.ID08881.hairpin	18753	22	-	23871963	23872036	
TJU_CMC.ID08882.hairpin	18754	22	-	24851188	24851260	

Table 1. Novel miRNA sequences

TJU_CMC.ID08883.hairpin	18755	22	-	24928462	24928533
TJU_CMC.ID08884.hairpin	18756	22	+	25265688	25265759
TJU_CMC.ID08885.hairpin	18757	22	+	25416511	25416581
TJU_CMC.ID08886.hairpin	18758	22	-	25591630	25591701
TJU_CMC.ID08887.hairpin	18759	22	+	25679020	25679090
TJU_CMC.ID08888.hairpin	18760	22	-	26406539	26406610
TJU_CMC.ID08889.hairpin	18761	22	+	26621109	26621178
TJU_CMC.ID08890.hairpin	18762	22	+	26694475	26694545
TJU_CMC.ID08891.hairpin	18763	22	-	26735116	26735187
TJU_CMC.ID08892.hairpin	18764	22	-	26968283	26968354
TJU_CMC.ID08893.hairpin	18765	22	+	27428209	27428280
TJU_CMC.ID08894.hairpin	18766	22	+	27760671	27760744
TJU_CMC.ID08895.hairpin	18767	22	+	27776498	27776569
TJU_CMC.ID08896.hairpin	18768	22	-	27853235	27853306
TJU_CMC.ID08897.hairpin	18769	22	+	27900514	27900587
TJU_CMC.ID08898.hairpin	18770	22	+	27923585	27923658
TJU_CMC.ID08899.hairpin	18771	22	+	28072868	28072939
TJU_CMC.ID08900.hairpin	18772	22	+	28081153	28081222
TJU_CMC.ID08901.hairpin	18773	22	+	29656790	29656861
TJU_CMC.ID08902.hairpin	18774	22	-	29746535	29746608
TJU_CMC.ID08903.hairpin	18775	22	-	29860705	29860778
TJU_CMC.ID08904.hairpin	18776	22	+	29906302	29906375
TJU_CMC.ID08905.hairpin	18777	22	+	29957815	29957884
TJU_CMC.ID08906.hairpin	18778	22	-	30431103	30431173
TJU_CMC.ID08907.hairpin	18779	22	+	30669348	30669419
TJU_CMC.ID08908.hairpin	18780	22	+	30819265	30819337
TJU_CMC.ID08909.hairpin	18781	22	+	30882086	30882156
TJU_CMC.ID08910.hairpin	18782	22	+	31609054	31609125
TJU_CMC.ID08911.hairpin	18783	22	-	31613381	31613454
TJU_CMC.ID08912.hairpin	18784	22	+	32210709	32210781
TJU_CMC.ID08913.hairpin	18785	22	+	32256963	32257035

Table 1. Novel miRNA sequences

TJU_CMC.ID08914.hairpin	18786	22	+	32270468	32270537
TJU_CMC.ID08916.hairpin	18787	22	+	32792880	32792952
TJU_CMC.ID08917.hairpin	18788	22	-	32800423	32800492
TJU_CMC.ID08918.hairpin	18789	22	-	33041621	33041692
TJU_CMC.ID08919.hairpin	18790	22	+	33345953	33346024
TJU_CMC.ID08920.hairpin	18791	22	-	33927752	33927823
TJU_CMC.ID08921.hairpin	18792	22	+	34064393	34064464
TJU_CMC.ID08922.hairpin	18793	22	+	34117757	34117826
TJU_CMC.ID08923.hairpin	18794	22	-	34316916	34316987
TJU_CMC.ID08924.hairpin	18795	22	+	34809530	34809602
TJU_CMC.ID08925.hairpin	18796	22	-	35116409	35116481
TJU_CMC.ID08926.hairpin	18797	22	+	35126573	35126643
TJU_CMC.ID08927.hairpin	18798	22	-	35277245	35277315
TJU_CMC.ID08928.hairpin	18799	22	-	35530816	35530888
TJU_CMC.ID08929.hairpin	18800	22	-	35562625	35562696
TJU_CMC.ID08930.hairpin	18801	22	-	35651023	35651094
TJU_CMC.ID08931.hairpin	18802	22	+	36032168	36032237
TJU_CMC.ID08932.hairpin	18803	22	+	36044937	36045008
TJU_CMC.ID08933.hairpin	18804	22	+	36310603	36310674
TJU_CMC.ID08934.hairpin	18805	22	+	36436359	36436430
TJU_CMC.ID08935.hairpin	18806	22	+	37062781	37062854
TJU_CMC.ID08936.hairpin	18807	22	-	37141850	37141923
TJU_CMC.ID08937.hairpin	18808	22	+	37167040	37167110
TJU_CMC.ID08938.hairpin	18809	22	+	37186260	37186330
TJU_CMC.ID08939.hairpin	18810	22	+	37266379	37266451
TJU_CMC.ID08940.hairpin	18811	22	-	37355926	37355995
TJU_CMC.ID08941.hairpin	18812	22	-	38015794	38015867
TJU_CMC.ID08942.hairpin	18813	22	-	38395669	38395741
TJU_CMC.ID08943.hairpin	18814	22	-	38471688	38471761
TJU_CMC.ID08944.hairpin	18815	22	+	38602872	38602942
TJU_CMC.ID08945.hairpin	18816	22	+	38649185	38649256

Table 1. Novel miRNA sequences

TJU_CMC.ID08946.hairpin	18817	22	-	38949529	38949600
TJU_CMC.ID08947.hairpin	18818	22	-	39640554	39640626
TJU_CMC.ID08948.hairpin	18819	22	-	39908571	39908643
TJU_CMC.ID08949.hairpin	18820	22	-	39910596	39910668
TJU_CMC.ID08950.hairpin	18821	22	-	39944211	39944281
TJU_CMC.ID08951.hairpin	18822	22	-	40064342	40064411
TJU_CMC.ID08952.hairpin	18823	22	-	40118547	40118619
TJU_CMC.ID08953.hairpin	18824	22	-	40166095	40166167
TJU_CMC.ID08954.hairpin	18825	22	-	40889232	40889304
TJU_CMC.ID08955.hairpin	18826	22	-	41488056	41488126
TJU_CMC.ID08956.hairpin	18827	22	+	41971184	41971255
TJU_CMC.ID08957.hairpin	18828	22	-	42004815	42004888
TJU_CMC.ID08958.hairpin	18829	22	+	42570008	42570078
TJU_CMC.ID08959.hairpin	18830	22	+	42739405	42739477
TJU_CMC.ID08960.hairpin	18831	22	+	42775954	42776026
TJU_CMC.ID08961.hairpin	18832	22	+	42782793	42782862
TJU_CMC.ID08962.hairpin	18833	22	+	42995007	42995076
TJU_CMC.ID08963.hairpin	18834	22	+	43121988	43122059
TJU_CMC.ID08964.hairpin	18835	22	+	43142871	43142940
TJU_CMC.ID08965.hairpin	18836	22	+	43372495	43372565
TJU_CMC.ID08966.hairpin	18837	22	-	43383141	43383212
TJU_CMC.ID08967.hairpin	18838	22	+	43523010	43523083
TJU_CMC.ID08968.hairpin	18839	22	-	43687614	43687687
TJU_CMC.ID08969.hairpin	18840	22	+	43855445	43855515
TJU_CMC.ID08970.hairpin	18841	22	+	44225576	44225646
TJU_CMC.ID08971.hairpin	18842	22	-	44539061	44539133
TJU_CMC.ID08972.hairpin	18843	22	-	44738585	44738656
TJU_CMC.ID08973.hairpin	18844	22	+	45204085	45204156
TJU_CMC.ID08974.hairpin	18845	22	+	45235240	45235312
TJU_CMC.ID08975.hairpin	18846	22	+	45241209	45241281
TJU_CMC.ID08976.hairpin	18847	22	+	45339400	45339470

Table 1. Novel miRNA sequences

TJU_CMC.ID08977.hairpin	18848	22	+	45417153	45417224	
TJU_CMC.ID08978.hairpin	18849	22	-	45475983	45476055	
TJU_CMC.ID08979.hairpin	18850	22	-	45722004	45722076	
TJU_CMC.ID08980.hairpin	18851	22	-	46509574	46509646	
TJU_CMC.ID08981.hairpin	18852	22	-	46542837	46542909	
TJU_CMC.ID08982.hairpin	18853	22	-	46576690	46576763	
TJU_CMC.ID08983.hairpin	18854	22	+	46784640	46784713	
TJU_CMC.ID08984.hairpin	18855	22	+	46947466	46947538	
TJU_CMC.ID08985.hairpin	18856	22	+	46972726	46972798	
TJU_CMC.ID08986.hairpin	18857	22	-	47134470	47134539	
TJU_CMC.ID08987.hairpin	18858	22	+	47188794	47188864	
TJU_CMC.ID08988.hairpin	18859	22	+	47225276	47225346	
TJU_CMC.ID08989.hairpin	18860	22	-	47671281	47671350	
TJU_CMC.ID08990.hairpin	18861	22	+	47736610	47736681	
TJU_CMC.ID08991.hairpin	18862	22	-	47820574	47820646	
TJU_CMC.ID08992.hairpin	18863	22	-	48304114	48304184	
TJU_CMC.ID08993.hairpin	18864	22	+	48539200	48539269	
TJU_CMC.ID08994.hairpin	18865	22	+	48771060	48771132	
TJU_CMC.ID08995.hairpin	18866	22	-	48778646	48778719	
TJU_CMC.ID08996.hairpin	18867	22	+	48828607	48828676	
TJU_CMC.ID08997.hairpin	18868	22	+	49250698	49250770	
TJU_CMC.ID08998.hairpin	18869	22	+	49916595	49916666	
TJU_CMC.ID08999.hairpin	18870	22	+	50167704	50167773	
TJU_CMC.ID09000.hairpin	18871	22	+	50324052	50324125	
TJU_CMC.ID09001.hairpin	18872	22	+	50416243	50416314	
TJU_CMC.ID09002.hairpin	18873	22	+	50728061	50728131	
TJU_CMC.ID09003.hairpin	18874	22	+	50745842	50745915	
TJU_CMC.ID09004.hairpin	18875	22	-	50750832	50750903	
TJU_CMC.ID09005.hairpin	18876	22	+	50779584	50779657	
TJU_CMC.ID09006.hairpin	18877	22	+	50873624	50873693	
TJU_CMC.ID09007.hairpin	18878	22	+	50904063	50904132	

Table 1. Novel miRNA sequences

TJU_CMC.ID09008.hairpin	18879	22	+	50959705	50959775
TJU_CMC.ID09009.hairpin	18880	22	-	50989562	50989634
TJU_CMC.ID09010.hairpin	18881	22	+	51113034	51113107
TJU_CMC.ID09011.hairpin	18882	X	-	174680	174749
TJU_CMC.ID09012.hairpin	18883	X	+	299820	299893
TJU_CMC.ID09013.hairpin	18884	X	+	644060	644130
TJU_CMC.ID09014.hairpin	18885	X	-	708121	708192
TJU_CMC.ID09015.hairpin	18886	X	+	1963412	1963484
TJU_CMC.ID09016.hairpin	18887	X	+	1963655	1963726
TJU_CMC.ID09017.hairpin	18888	X	+	2376346	2376415
TJU_CMC.ID09018.hairpin	18889	X	+	2605463	2605534
TJU_CMC.ID09019.hairpin	18890	X	-	2658883	2658954
TJU_CMC.ID09020.hairpin	18891	X	+	2871630	2871701
TJU_CMC.ID09021.hairpin	18892	X	+	3879383	3879454
TJU_CMC.ID09022.hairpin	18893	X	+	3911242	3911312
TJU_CMC.ID09023.hairpin	18894	X	+	4051431	4051504
TJU_CMC.ID09024.hairpin	18895	X	-	4174894	4174966
TJU_CMC.ID09025.hairpin	18896	X	+	4655235	4655307
TJU_CMC.ID09026.hairpin	18897	X	-	4763857	4763927
TJU_CMC.ID09027.hairpin	18898	X	-	4884481	4884553
TJU_CMC.ID09028.hairpin	18899	X	+	4928817	4928887
TJU_CMC.ID09029.hairpin	18900	X	-	4946623	4946695
TJU_CMC.ID09030.hairpin	18901	X	+	6015294	6015367
TJU_CMC.ID09031.hairpin	18902	X	-	6360881	6360953
TJU_CMC.ID09032.hairpin	18903	X	+	6363680	6363752
TJU_CMC.ID09033.hairpin	18904	X	-	6498764	6498835
TJU_CMC.ID09034.hairpin	18905	X	+	6995201	6995272
TJU_CMC.ID09035.hairpin	18906	X	-	7304669	7304740
TJU_CMC.ID09036.hairpin	18907	X	-	7421021	7421093
TJU_CMC.ID09037.hairpin	18908	X	+	7790034	7790105
TJU_CMC.ID09038.hairpin	18909	X	+	7898006	7898077

Table 1. Novel miRNA sequences

TJU_CMC.ID09039.hairpin	18910	X	-	8495224	8495295	
TJU_CMC.ID09040.hairpin	18911	X	-	8589603	8589674	
TJU_CMC.ID09041.hairpin	18912	X	+	9079007	9079077	
TJU_CMC.ID09042.hairpin	18913	X	+	9348537	9348608	
TJU_CMC.ID09043.hairpin	18914	X	-	9758195	9758268	
TJU_CMC.ID09044.hairpin	18915	X	+	9880467	9880539	
TJU_CMC.ID09045.hairpin	18916	X	-	9983053	9983122	
TJU_CMC.ID09046.hairpin	18917	X	+	10128507	10128576	
TJU_CMC.ID09047.hairpin	18918	X	+	10132629	10132700	
TJU_CMC.ID09048.hairpin	18919	X	-	10224671	10224742	
TJU_CMC.ID09049.hairpin	18920	X	-	10301216	10301287	
TJU_CMC.ID09050.hairpin	18921	X	+	11529291	11529362	
TJU_CMC.ID09051.hairpin	18922	X	+	11747843	11747914	
TJU_CMC.ID09052.hairpin	18923	X	+	11776907	11776979	
TJU_CMC.ID09053.hairpin	18924	X	-	12190150	12190221	
TJU_CMC.ID09054.hairpin	18925	X	-	13110294	13110367	
TJU_CMC.ID09055.hairpin	18926	X	-	13858524	13858595	
TJU_CMC.ID09056.hairpin	18927	X	+	14628274	14628347	
TJU_CMC.ID09057.hairpin	18928	X	+	15515907	15515977	
TJU_CMC.ID09058.hairpin	18929	X	+	15535727	15535796	
TJU_CMC.ID09059.hairpin	18930	X	+	15596331	15596403	
TJU_CMC.ID09060.hairpin	18931	X	+	15617679	15617751	
TJU_CMC.ID09061.hairpin	18932	X	-	15681175	15681247	
TJU_CMC.ID09062.hairpin	18933	X	+	16321580	16321651	
TJU_CMC.ID09063.hairpin	18934	X	+	16963714	16963783	
TJU_CMC.ID09064.hairpin	18935	X	-	17024862	17024932	
TJU_CMC.ID09065.hairpin	18936	X	+	17125881	17125953	
TJU_CMC.ID09066.hairpin	18937	X	+	17183289	17183358	
TJU_CMC.ID09067.hairpin	18938	X	-	17187369	17187440	
TJU_CMC.ID09068.hairpin	18939	X	-	17948820	17948889	
TJU_CMC.ID09069.hairpin	18940	X	-	17956840	17956911	

Table 1. Novel miRNA sequences

TJU_CMC.ID09070.hairpin	18941	X	-	18188701	18188774	
TJU_CMC.ID09071.hairpin	18942	X	-	18692973	18693044	
TJU_CMC.ID09072.hairpin	18943	X	-	19140653	19140725	
TJU_CMC.ID09073.hairpin	18944	X	-	19454781	19454850	
TJU_CMC.ID09074.hairpin	18945	X	-	19701266	19701335	
TJU_CMC.ID09075.hairpin	18946	X	-	19742007	19742077	
TJU_CMC.ID09076.hairpin	18947	X	-	19795888	19795959	
TJU_CMC.ID09077.hairpin	18948	X	+	19831666	19831737	
TJU_CMC.ID09078.hairpin	18949	X	+	20146919	20146988	
TJU_CMC.ID09079.hairpin	18950	X	-	20820272	20820341	
TJU_CMC.ID09080.hairpin	18951	X	-	21236591	21236664	
TJU_CMC.ID09081.hairpin	18952	X	-	21244895	21244964	
TJU_CMC.ID09082.hairpin	18953	X	+	21497967	21498038	
TJU_CMC.ID09083.hairpin	18954	X	-	21621374	21621447	
TJU_CMC.ID09084.hairpin	18955	X	+	22292445	22292517	
TJU_CMC.ID09085.hairpin	18956	X	+	23825618	23825687	
TJU_CMC.ID09086.hairpin	18957	X	+	24787705	24787775	
TJU_CMC.ID09087.hairpin	18958	X	-	24850223	24850293	
TJU_CMC.ID09088.hairpin	18959	X	+	24892158	24892230	
TJU_CMC.ID09089.hairpin	18960	X	+	26391597	26391670	
TJU_CMC.ID09090.hairpin	18961	X	+	27033369	27033441	
TJU_CMC.ID09091.hairpin	18962	X	-	27105201	27105272	
TJU_CMC.ID09092.hairpin	18963	X	+	27446655	27446724	
TJU_CMC.ID09093.hairpin	18964	X	+	27724787	27724858	
TJU_CMC.ID09094.hairpin	18965	X	+	28191072	28191144	
TJU_CMC.ID09095.hairpin	18966	X	+	29543923	29543995	
TJU_CMC.ID09096.hairpin	18967	X	-	29658411	29658483	
TJU_CMC.ID09097.hairpin	18968	X	+	29664993	29665062	
TJU_CMC.ID09098.hairpin	18969	X	-	30250305	30250378	
TJU_CMC.ID09099.hairpin	18970	X	+	30368588	30368659	
TJU_CMC.ID09100.hairpin	18971	X	+	30549289	30549360	

Table 1. Novel miRNA sequences

TJU_CMC.ID09101.hairpin	18972	X	-	31284987	31285056
TJU_CMC.ID09102.hairpin	18973	X	+	31868569	31868641
TJU_CMC.ID09103.hairpin	18974	X	-	31907309	31907380
TJU_CMC.ID09104.hairpin	18975	X	+	31925213	31925284
TJU_CMC.ID09105.hairpin	18976	X	+	32208822	32208891
TJU_CMC.ID09106.hairpin	18977	X	-	32641350	32641421
TJU_CMC.ID09107.hairpin	18978	X	-	32688658	32688731
TJU_CMC.ID09108.hairpin	18979	X	-	32892971	32893042
TJU_CMC.ID09109.hairpin	18980	X	-	33928980	33929049
TJU_CMC.ID09110.hairpin	18981	X	-	35105147	35105219
TJU_CMC.ID09111.hairpin	18982	X	+	35263386	35263456
TJU_CMC.ID09112.hairpin	18983	X	+	35399094	35399166
TJU_CMC.ID09113.hairpin	18984	X	+	35454659	35454729
TJU_CMC.ID09114.hairpin	18985	X	-	35509242	35509311
TJU_CMC.ID09115.hairpin	18986	X	-	37200662	37200733
TJU_CMC.ID09116.hairpin	18987	X	+	37572163	37572234
TJU_CMC.ID09117.hairpin	18988	X	+	37732954	37733025
TJU_CMC.ID09118.hairpin	18989	X	-	37749434	37749505
TJU_CMC.ID09119.hairpin	18990	X	-	37912836	37912908
TJU_CMC.ID09120.hairpin	18991	X	+	38040406	38040476
TJU_CMC.ID09121.hairpin	18992	X	+	38040691	38040762
TJU_CMC.ID09122.hairpin	18993	X	-	38067538	38067610
TJU_CMC.ID09123.hairpin	18994	X	-	38320055	38320126
TJU_CMC.ID09124.hairpin	18995	X	+	38496867	38496939
TJU_CMC.ID09125.hairpin	18996	X	+	38524109	38524179
TJU_CMC.ID09126.hairpin	18997	X	-	38584532	38584603
TJU_CMC.ID09127.hairpin	18998	X	+	38741732	38741803
TJU_CMC.ID09128.hairpin	18999	X	-	38745490	38745560
TJU_CMC.ID09129.hairpin	19000	X	+	38756992	38757063
TJU_CMC.ID09130.hairpin	19001	X	+	38835514	38835585
TJU_CMC.ID09131.hairpin	19002	X	-	38852640	38852713

Table 1. Novel miRNA sequences

TJU_CMC.ID09132.hairpin	19003	X	+	38868267	38868336
TJU_CMC.ID09133.hairpin	19004	X	-	38983085	38983157
TJU_CMC.ID09134.hairpin	19005	X	+	39257092	39257163
TJU_CMC.ID09135.hairpin	19006	X	+	39321358	39321429
TJU_CMC.ID09136.hairpin	19007	X	-	39368540	39368612
TJU_CMC.ID09137.hairpin	19008	X	+	39682930	39683000
TJU_CMC.ID09138.hairpin	19009	X	-	39787354	39787423
TJU_CMC.ID09139.hairpin	19010	X	+	39965712	39965784
TJU_CMC.ID09140.hairpin	19011	X	-	40271583	40271654
TJU_CMC.ID09141.hairpin	19012	X	+	40439506	40439577
TJU_CMC.ID09142.hairpin	19013	X	-	40554569	40554641
TJU_CMC.ID09143.hairpin	19014	X	+	40955644	40955715
TJU_CMC.ID09144.hairpin	19015	X	+	41112704	41112773
TJU_CMC.ID09145.hairpin	19016	X	+	41182843	41182915
TJU_CMC.ID09146.hairpin	19017	X	-	41191392	41191461
TJU_CMC.ID09147.hairpin	19018	X	+	41766898	41766971
TJU_CMC.ID09148.hairpin	19019	X	+	42495008	42495080
TJU_CMC.ID09149.hairpin	19020	X	-	42554692	42554763
TJU_CMC.ID09150.hairpin	19021	X	+	43594917	43594990
TJU_CMC.ID09151.hairpin	19022	X	-	43917052	43917121
TJU_CMC.ID09152.hairpin	19023	X	-	44143969	44144040
TJU_CMC.ID09153.hairpin	19024	X	+	45092450	45092521
TJU_CMC.ID09154.hairpin	19025	X	+	45840467	45840538
TJU_CMC.ID09155.hairpin	19026	X	+	46249688	46249760
TJU_CMC.ID09156.hairpin	19027	X	+	46254582	46254655
TJU_CMC.ID09157.hairpin	19028	X	+	46586036	46586109
TJU_CMC.ID09158.hairpin	19029	X	+	47414069	47414141
TJU_CMC.ID09159.hairpin	19030	X	-	48055440	48055511
TJU_CMC.ID09160.hairpin	19031	X	+	48343708	48343779
TJU_CMC.ID09161.hairpin	19032	X	-	48478735	48478806
TJU_CMC.ID09162.hairpin	19033	X	+	48887351	48887421

Table 1. Novel miRNA sequences

TJU_CMC.ID09163.hairpin	19034	X	-	50444322	50444392	
TJU_CMC.ID09164.hairpin	19035	X	+	50606614	50606687	
TJU_CMC.ID09165.hairpin	19036	X	+	51204631	51204702	
TJU_CMC.ID09166.hairpin	19037	X	-	51351292	51351364	
TJU_CMC.ID09167.hairpin	19038	X	+	51781418	51781490	
TJU_CMC.ID09168.hairpin	19039	X	+	51942582	51942654	
TJU_CMC.ID09169.hairpin	19040	X	-	52021844	52021914	
TJU_CMC.ID09170.hairpin	19041	X	+	52586111	52586181	
TJU_CMC.ID09171.hairpin	19042	X	+	53216282	53216351	
TJU_CMC.ID09172.hairpin	19043	X	+	53382687	53382758	
TJU_CMC.ID09173.hairpin	19044	X	+	53388571	53388643	
TJU_CMC.ID09174.hairpin	19045	X	-	53408557	53408630	
TJU_CMC.ID09175.hairpin	19046	X	+	53694938	53695011	
TJU_CMC.ID09176.hairpin	19047	X	-	53739847	53739918	
TJU_CMC.ID09177.hairpin	19048	X	-	53785593	53785664	
TJU_CMC.ID09178.hairpin	19049	X	-	53931311	53931383	
TJU_CMC.ID09179.hairpin	19050	X	-	54327970	54328040	
TJU_CMC.ID09180.hairpin	19051	X	+	54364011	54364083	
TJU_CMC.ID09181.hairpin	19052	X	-	55339286	55339359	
TJU_CMC.ID09182.hairpin	19053	X	-	55886185	55886255	
TJU_CMC.ID09183.hairpin	19054	X	-	56338895	56338964	
TJU_CMC.ID09184.hairpin	19055	X	+	57242313	57242385	
TJU_CMC.ID09185.hairpin	19056	X	-	57314396	57314467	
TJU_CMC.ID09186.hairpin	19057	X	+	57484958	57485028	
TJU_CMC.ID09187.hairpin	19058	X	+	57851427	57851499	
TJU_CMC.ID09188.hairpin	19059	X	-	58004270	58004341	
TJU_CMC.ID09189.hairpin	19060	X	+	58283385	58283456	
TJU_CMC.ID09190.hairpin	19061	X	+	62095036	62095109	
TJU_CMC.ID09191.hairpin	19062	X	-	62336389	62336460	
TJU_CMC.ID09192.hairpin	19063	X	-	62787053	62787124	
TJU_CMC.ID09193.hairpin	19064	X	+	63778967	63779039	

Table 1. Novel miRNA sequences

TJU_CMC.ID09194.hairpin	19065	X	+	63942720	63942793
TJU_CMC.ID09195.hairpin	19066	X	-	64709120	64709191
TJU_CMC.ID09196.hairpin	19067	X	-	64742017	64742089
TJU_CMC.ID09197.hairpin	19068	X	+	65629025	65629094
TJU_CMC.ID09198.hairpin	19069	X	+	65730808	65730880
TJU_CMC.ID09199.hairpin	19070	X	-	65830475	65830545
TJU_CMC.ID09200.hairpin	19071	X	-	65855466	65855537
TJU_CMC.ID09201.hairpin	19072	X	-	67027256	67027325
TJU_CMC.ID09202.hairpin	19073	X	-	67359805	67359877
TJU_CMC.ID09203.hairpin	19074	X	+	67474434	67474505
TJU_CMC.ID09204.hairpin	19075	X	-	67605993	67606064
TJU_CMC.ID09205.hairpin	19076	X	-	67919162	67919233
TJU_CMC.ID09206.hairpin	19077	X	+	68159471	68159543
TJU_CMC.ID09207.hairpin	19078	X	-	68204420	68204493
TJU_CMC.ID09208.hairpin	19079	X	+	68220545	68220617
TJU_CMC.ID09209.hairpin	19080	X	+	68612883	68612956
TJU_CMC.ID09210.hairpin	19081	X	-	68697689	68697760
TJU_CMC.ID09211.hairpin	19082	X	-	69101762	69101831
TJU_CMC.ID09212.hairpin	19083	X	-	69628040	69628111
TJU_CMC.ID09213.hairpin	19084	X	-	69655432	69655503
TJU_CMC.ID09214.hairpin	19085	X	+	69656251	69656324
TJU_CMC.ID09215.hairpin	19086	X	-	70296484	70296554
TJU_CMC.ID09216.hairpin	19087	X	+	70356108	70356181
TJU_CMC.ID09217.hairpin	19088	X	-	70478089	70478161
TJU_CMC.ID09218.hairpin	19089	X	-	71271352	71271424
TJU_CMC.ID09219.hairpin	19090	X	-	71301235	71301306
TJU_CMC.ID09220.hairpin	19091	X	+	71350991	71351064
TJU_CMC.ID09221.hairpin	19092	X	+	72420620	72420691
TJU_CMC.ID09222.hairpin	19093	X	+	72533862	72533931
TJU_CMC.ID09223.hairpin	19094	X	-	74476882	74476953
TJU_CMC.ID09224.hairpin	19095	X	-	75876701	75876774

Table 1. Novel miRNA sequences

TJU_CMC.ID09225.hairpin	19096	X	-	76189144	76189213	
TJU_CMC.ID09226.hairpin	19097	X	+	77265679	77265748	
TJU_CMC.ID09227.hairpin	19098	X	-	78412508	78412577	
TJU_CMC.ID09228.hairpin	19099	X	-	78596621	78596691	
TJU_CMC.ID09229.hairpin	19100	X	+	78845322	78845393	
TJU_CMC.ID09230.hairpin	19101	X	-	79198578	79198650	
TJU_CMC.ID09231.hairpin	19102	X	-	79384652	79384723	
TJU_CMC.ID09232.hairpin	19103	X	+	79520213	79520284	
TJU_CMC.ID09233.hairpin	19104	X	-	79615618	79615690	
TJU_CMC.ID09234.hairpin	19105	X	+	80514245	80514314	
TJU_CMC.ID09235.hairpin	19106	X	-	80572041	80572113	
TJU_CMC.ID09236.hairpin	19107	X	-	81011314	81011386	
TJU_CMC.ID09237.hairpin	19108	X	+	81285484	81285557	
TJU_CMC.ID09238.hairpin	19109	X	-	81336192	81336265	
TJU_CMC.ID09239.hairpin	19110	X	+	81920551	81920622	
TJU_CMC.ID09240.hairpin	19111	X	+	82115760	82115833	
TJU_CMC.ID09241.hairpin	19112	X	+	83249333	83249403	
TJU_CMC.ID09242.hairpin	19113	X	-	84092559	84092632	
TJU_CMC.ID09243.hairpin	19114	X	-	85104632	85104703	
TJU_CMC.ID09244.hairpin	19115	X	-	85358738	85358809	
TJU_CMC.ID09245.hairpin	19116	X	-	85641671	85641742	
TJU_CMC.ID09246.hairpin	19117	X	-	86623042	86623111	
TJU_CMC.ID09247.hairpin	19118	X	+	86731114	86731187	
TJU_CMC.ID09248.hairpin	19119	X	+	86928810	86928880	
TJU_CMC.ID09249.hairpin	19120	X	+	87975490	87975560	
TJU_CMC.ID09250.hairpin	19121	X	-	88203244	88203315	
TJU_CMC.ID09251.hairpin	19122	X	-	88888817	88888889	
TJU_CMC.ID09252.hairpin	19123	X	-	88925340	88925413	
TJU_CMC.ID09253.hairpin	19124	X	+	89311217	89311288	
TJU_CMC.ID09254.hairpin	19125	X	+	91720041	91720113	
TJU_CMC.ID09255.hairpin	19126	X	+	92663391	92663464	

Table 1. Novel miRNA sequences

TJU_CMC.ID09256.hairpin	19127	X	-	92673928	92673999
TJU_CMC.ID09257.hairpin	19128	X	-	92913888	92913961
TJU_CMC.ID09258.hairpin	19129	X	+	93365165	93365237
TJU_CMC.ID09259.hairpin	19130	X	-	95094665	95094736
TJU_CMC.ID09260.hairpin	19131	X	+	95140180	95140249
TJU_CMC.ID09261.hairpin	19132	X	-	95166830	95166903
TJU_CMC.ID09262.hairpin	19133	X	-	95411675	95411748
TJU_CMC.ID09263.hairpin	19134	X	-	95501336	95501405
TJU_CMC.ID09264.hairpin	19135	X	+	95700984	95701055
TJU_CMC.ID09265.hairpin	19136	X	+	96214109	96214180
TJU_CMC.ID09266.hairpin	19137	X	+	96363974	96364047
TJU_CMC.ID09267.hairpin	19138	X	+	96988810	96988882
TJU_CMC.ID09268.hairpin	19139	X	+	97335271	97335344
TJU_CMC.ID09269.hairpin	19140	X	+	98175260	98175333
TJU_CMC.ID09270.hairpin	19141	X	-	99038434	99038505
TJU_CMC.ID09271.hairpin	19142	X	-	99603717	99603790
TJU_CMC.ID09272.hairpin	19143	X	-	100139651	100139723
TJU_CMC.ID09273.hairpin	19144	X	+	100613541	100613613
TJU_CMC.ID09274.hairpin	19145	X	-	100615742	100615813
TJU_CMC.ID09275.hairpin	19146	X	-	100930480	100930552
TJU_CMC.ID09276.hairpin	19147	X	-	101957392	101957465
TJU_CMC.ID09277.hairpin	19148	X	-	102313685	102313757
TJU_CMC.ID09278.hairpin	19149	X	+	102433846	102433917
TJU_CMC.ID09279.hairpin	19150	X	+	102452132	102452203
TJU_CMC.ID09280.hairpin	19151	X	+	102559488	102559560
TJU_CMC.ID09281.hairpin	19152	X	+	102771681	102771750
TJU_CMC.ID09282.hairpin	19153	X	+	102996203	102996274
TJU_CMC.ID09283.hairpin	19154	X	-	103010586	103010657
TJU_CMC.ID09284.hairpin	19155	X	+	103114945	103115016
TJU_CMC.ID09285.hairpin	19156	X	-	103517186	103517258
TJU_CMC.ID09286.hairpin	19157	X	+	103706178	103706249

Table 1. Novel miRNA sequences

TJU_CMC.ID09287.hairpin	19158	X	+	103788915	103788988
TJU_CMC.ID09288.hairpin	19159	X	-	104521206	104521278
TJU_CMC.ID09289.hairpin	19160	X	-	104743501	104743572
TJU_CMC.ID09290.hairpin	19161	X	-	104864608	104864677
TJU_CMC.ID09291.hairpin	19162	X	+	104901514	104901586
TJU_CMC.ID09292.hairpin	19163	X	-	105355418	105355490
TJU_CMC.ID09293.hairpin	19164	X	+	105451722	105451792
TJU_CMC.ID09294.hairpin	19165	X	+	105606199	105606268
TJU_CMC.ID09295.hairpin	19166	X	+	105704463	105704533
TJU_CMC.ID09296.hairpin	19167	X	+	106331419	106331488
TJU_CMC.ID09297.hairpin	19168	X	-	106374824	106374895
TJU_CMC.ID09298.hairpin	19169	X	-	106753769	106753838
TJU_CMC.ID09299.hairpin	19170	X	+	107275094	107275164
TJU_CMC.ID09300.hairpin	19171	X	+	108638654	108638723
TJU_CMC.ID09301.hairpin	19172	X	-	109413153	109413224
TJU_CMC.ID09302.hairpin	19173	X	-	109511273	109511342
TJU_CMC.ID09303.hairpin	19174	X	+	109964358	109964428
TJU_CMC.ID09304.hairpin	19175	X	-	110255048	110255120
TJU_CMC.ID09305.hairpin	19176	X	+	110366347	110366416
TJU_CMC.ID09306.hairpin	19177	X	+	110576042	110576113
TJU_CMC.ID09307.hairpin	19178	X	-	110659916	110659987
TJU_CMC.ID09308.hairpin	19179	X	+	111096222	111096293
TJU_CMC.ID09309.hairpin	19180	X	+	111557237	111557308
TJU_CMC.ID09310.hairpin	19181	X	+	111697035	111697106
TJU_CMC.ID09311.hairpin	19182	X	-	113295133	113295205
TJU_CMC.ID09312.hairpin	19183	X	-	114257462	114257533
TJU_CMC.ID09313.hairpin	19184	X	-	114873834	114873906
TJU_CMC.ID09314.hairpin	19185	X	+	116055937	116056008
TJU_CMC.ID09315.hairpin	19186	X	+	116592486	116592557
TJU_CMC.ID09316.hairpin	19187	X	+	116661667	116661736
TJU_CMC.ID09317.hairpin	19188	X	-	117571426	117571495

Table 1. Novel miRNA sequences

TJU_CMC.ID09318.hairpin	19189	X	-	118921311	118921383	
TJU_CMC.ID09319.hairpin	19190	X	-	119254428	119254500	
TJU_CMC.ID09320.hairpin	19191	X	-	119671632	119671704	
TJU_CMC.ID09321.hairpin	19192	X	-	119691430	119691501	
TJU_CMC.ID09322.hairpin	19193	X	+	119912945	119913016	
TJU_CMC.ID09323.hairpin	19194	X	-	120441518	120441590	
TJU_CMC.ID09324.hairpin	19195	X	-	120563351	120563420	
TJU_CMC.ID09325.hairpin	19196	X	+	120979595	120979666	
TJU_CMC.ID09326.hairpin	19197	X	-	122246602	122246674	
TJU_CMC.ID09327.hairpin	19198	X	-	122503194	122503267	
TJU_CMC.ID09328.hairpin	19199	X	+	122526073	122526146	
TJU_CMC.ID09329.hairpin	19200	X	+	122571597	122571669	
TJU_CMC.ID09330.hairpin	19201	X	+	122648458	122648530	
TJU_CMC.ID09331.hairpin	19202	X	+	122828745	122828816	
TJU_CMC.ID09332.hairpin	19203	X	+	124170189	124170261	
TJU_CMC.ID09333.hairpin	19204	X	-	124262346	124262417	
TJU_CMC.ID09334.hairpin	19205	X	-	124328239	124328308	
TJU_CMC.ID09335.hairpin	19206	X	-	124700392	124700462	
TJU_CMC.ID09336.hairpin	19207	X	-	125293049	125293122	
TJU_CMC.ID09337.hairpin	19208	X	+	125301919	125301991	
TJU_CMC.ID09338.hairpin	19209	X	-	125770951	125771023	
TJU_CMC.ID09339.hairpin	19210	X	+	126207544	126207615	
TJU_CMC.ID09340.hairpin	19211	X	+	126209968	126210040	
TJU_CMC.ID09341.hairpin	19212	X	-	126523492	126523563	
TJU_CMC.ID09342.hairpin	19213	X	+	126823216	126823287	
TJU_CMC.ID09343.hairpin	19214	X	+	126901276	126901346	
TJU_CMC.ID09344.hairpin	19215	X	-	127085735	127085808	
TJU_CMC.ID09345.hairpin	19216	X	+	127466088	127466158	
TJU_CMC.ID09346.hairpin	19217	X	+	127746982	127747052	
TJU_CMC.ID09347.hairpin	19218	X	-	127753643	127753712	
TJU_CMC.ID09348.hairpin	19219	X	+	129084157	129084227	

Table 1. Novel miRNA sequences

TJU_CMC.ID09349.hairpin	19220	X	-	129324815	129324886	
TJU_CMC.ID09350.hairpin	19221	X	-	129997179	129997250	
TJU_CMC.ID09351.hairpin	19222	X	-	130027825	130027897	
TJU_CMC.ID09352.hairpin	19223	X	-	130371236	130371307	
TJU_CMC.ID09353.hairpin	19224	X	+	130677736	130677808	
TJU_CMC.ID09354.hairpin	19225	X	-	131023199	131023268	
TJU_CMC.ID09355.hairpin	19226	X	-	131297352	131297423	
TJU_CMC.ID09356.hairpin	19227	X	-	131603242	131603312	
TJU_CMC.ID09357.hairpin	19228	X	-	131854450	131854520	
TJU_CMC.ID09358.hairpin	19229	X	-	132087509	132087578	
TJU_CMC.ID09359.hairpin	19230	X	+	132654665	132654738	
TJU_CMC.ID09360.hairpin	19231	X	-	132790951	132791021	
TJU_CMC.ID09361.hairpin	19232	X	+	132804959	132805029	
TJU_CMC.ID09362.hairpin	19233	X	-	133083142	133083215	
TJU_CMC.ID09363.hairpin	19234	X	-	133212207	133212278	
TJU_CMC.ID09364.hairpin	19235	X	+	133980727	133980797	
TJU_CMC.ID09365.hairpin	19236	X	-	134018311	134018380	
TJU_CMC.ID09366.hairpin	19237	X	+	134090094	134090165	
TJU_CMC.ID09367.hairpin	19238	X	+	134474922	134474992	
TJU_CMC.ID09368.hairpin	19239	X	+	134760467	134760540	
TJU_CMC.ID09369.hairpin	19240	X	-	134767988	134768060	
TJU_CMC.ID09370.hairpin	19241	X	-	134975784	134975855	
TJU_CMC.ID09371.hairpin	19242	X	+	135590888	135590960	
TJU_CMC.ID09372.hairpin.ID=MI0005756;Alias=MI0005756;Name=hsa-mir-934	19243	X	+	135633037	135633119	
TJU_CMC.ID09373.hairpin	19244	X	+	135923492	135923561	
TJU_CMC.ID09374.hairpin	19245	X	+	135992065	135992138	
TJU_CMC.ID09375.hairpin	19246	X	+	136708413	136708482	
TJU_CMC.ID09376.hairpin	19247	X	+	136845990	136846063	
TJU_CMC.ID09377.hairpin	19248	X	-	136922114	136922184	

Table 1. Novel miRNA sequences

TJU_CMC.ID09378.hairpin	19249	X	+	136933201	136933270
TJU_CMC.ID09379.hairpin	19250	X	+	137006531	137006602
TJU_CMC.ID09380.hairpin	19251	X	+	137373303	137373376
TJU_CMC.ID09381.hairpin	19252	X	-	137730131	137730203
TJU_CMC.ID09382.hairpin	19253	X	-	137946514	137946586
TJU_CMC.ID09383.hairpin	19254	X	-	138004372	138004443
TJU_CMC.ID09384.hairpin	19255	X	-	138114961	138115034
TJU_CMC.ID09385.hairpin	19256	X	-	138311648	138311720
TJU_CMC.ID09386.hairpin	19257	X	+	138625235	138625306
TJU_CMC.ID09387.hairpin	19258	X	-	138935016	138935087
TJU_CMC.ID09388.hairpin	19259	X	+	139603254	139603327
TJU_CMC.ID09389.hairpin	19260	X	+	139737688	139737757
TJU_CMC.ID09390.hairpin	19261	X	-	140376147	140376219
TJU_CMC.ID09391.hairpin	19262	X	+	141420963	141421035
TJU_CMC.ID09392.hairpin	19263	X	+	142076218	142076289
TJU_CMC.ID09393.hairpin	19264	X	+	142424733	142424802
TJU_CMC.ID09394.hairpin	19265	X	+	143445853	143445925
TJU_CMC.ID09395.hairpin	19266	X	-	143559036	143559107
TJU_CMC.ID09396.hairpin	19267	X	-	145200252	145200325
TJU_CMC.ID09397.hairpin	19268	X	+	145305889	145305961
TJU_CMC.ID09398.hairpin	19269	X	+	145863809	145863882
TJU_CMC.ID09399.hairpin	19270	X	-	147215989	147216058
TJU_CMC.ID09400.hairpin	19271	X	+	147640239	147640310
TJU_CMC.ID09401.hairpin	19272	X	-	148051481	148051554
TJU_CMC.ID09402.hairpin	19273	X	+	148151909	148151979
TJU_CMC.ID09403.hairpin	19274	X	-	149166614	149166685
TJU_CMC.ID09404.hairpin	19275	X	+	149704383	149704454
TJU_CMC.ID09405.hairpin	19276	X	+	149787752	149787823
TJU_CMC.ID09406.hairpin	19277	X	+	149805845	149805918
TJU_CMC.ID09407.hairpin	19278	X	-	149902245	149902317
TJU_CMC.ID09408.hairpin	19279	X	-	150215490	150215561

Table 1. Novel miRNA sequences

TJU_CMC.ID09409.hairpin	19280	X	-	150380619	150380692
TJU_CMC.ID09410.hairpin	19281	X	+	150878515	150878584
TJU_CMC.ID09411.hairpin	19282	X	+	150893205	150893277
TJU_CMC.ID09412.hairpin	19283	X	+	150918484	150918556
TJU_CMC.ID09413.hairpin	19284	X	+	150932980	150933052
TJU_CMC.ID09414.hairpin	19285	X	-	150971053	150971124
TJU_CMC.ID09415.hairpin	19286	X	-	150988253	150988324
TJU_CMC.ID09416.hairpin	19287	X	-	151163633	151163703
TJU_CMC.ID09417.hairpin	19288	X	+	151257643	151257713
TJU_CMC.ID09418.hairpin	19289	X	+	151787173	151787246
TJU_CMC.ID09419.hairpin	19290	X	+	152228084	152228153
TJU_CMC.ID09420.hairpin	19291	X	-	152950474	152950544
TJU_CMC.ID09421.hairpin	19292	X	-	153209602	153209675
TJU_CMC.ID09422.hairpin	19293	X	-	153233633	153233706
TJU_CMC.ID09423.hairpin	19294	X	-	153359434	153359503
TJU_CMC.ID09424.hairpin	19295	X	-	153593849	153593921
TJU_CMC.ID09425.hairpin	19296	X	-	153596091	153596162
TJU_CMC.ID09426.hairpin	19297	X	-	153599685	153599757
TJU_CMC.ID09427.hairpin	19298	X	+	154031399	154031471
TJU_CMC.ID09428.hairpin	19299	X	-	154161586	154161658
TJU_CMC.ID09429.hairpin	19300	Y	+	4474166	4474236
TJU_CMC.ID09430.hairpin	19301	Y	-	6584646	6584718
TJU_CMC.ID09431.hairpin	19302	Y	-	7074406	7074477
TJU_CMC.ID09432.hairpin	19303	Y	+	7687847	7687918
TJU_CMC.ID09433.hairpin	19304	Y	+	8267818	8267888
TJU_CMC.ID09434.hairpin	19305	Y	+	8420468	8420540
TJU_CMC.ID09435.hairpin	19306	Y	-	8452780	8452849
TJU_CMC.ID09436.hairpin	19307	Y	-	8493840	8493910
TJU_CMC.ID09437.hairpin	19308	Y	-	8526182	8526253
TJU_CMC.ID09438.hairpin	19309	Y	-	8864978	8865049
TJU_CMC.ID09439.hairpin	19310	Y	-	10037792	10037863

Table 1. Novel miRNA sequences

TJU_CMC.ID09440.hairpin	19311	Y	-	13981131	13981201
TJU_CMC.ID09441.hairpin	19312	Y	+	14092806	14092879
TJU_CMC.ID09442.hairpin	19313	Y	+	14149747	14149816
TJU_CMC.ID09443.hairpin	19314	Y	-	15163124	15163195
TJU_CMC.ID09444.hairpin	19315	Y	+	15574222	15574295
TJU_CMC.ID09445.hairpin	19316	Y	-	16020549	16020619
TJU_CMC.ID09446.hairpin	19317	Y	-	16479990	16480062
TJU_CMC.ID09447.hairpin	19318	Y	+	16887597	16887670
TJU_CMC.ID09448.hairpin	19319	Y	+	17325432	17325501
TJU_CMC.ID09449.hairpin	19320	Y	-	19417376	19417446
TJU_CMC.ID09450.hairpin	19321	Y	-	20830241	20830314
TJU_CMC.ID09451.hairpin	19322	Y	+	21051088	21051158
TJU_CMC.ID09452.hairpin	19323	Y	-	21147576	21147646
TJU_CMC.ID09453.hairpin	19324	Y	-	21247504	21247575
TJU_CMC.ID09454.hairpin	19325	Y	+	21361633	21361703
TJU_CMC.ID09455.hairpin	19326	Y	+	21431876	21431945
TJU_CMC.ID09456.hairpin	19327	Y	-	22574085	22574158
TJU_CMC.ID09457.hairpin	19328	Y	+	23435302	23435374
TJU_CMC.ID09458.hairpin	19329	Y	+	23983151	23983224
TJU_CMC.ID09459.hairpin	19330	Y	+	27419551	27419622
TJU_CMC.ID09460.hairpin	19331	Y	+	28757261	28757330
TJU_CMC.ID09461.hairpin	19332	1	-	1166548	1166620
TJU_CMC.ID09462.hairpin	19333	1	+	1601329	1601399
TJU_CMC.ID09463.hairpin	19334	1	+	2407009	2407079
TJU_CMC.ID09464.hairpin	19335	1	+	6663211	6663282
TJU_CMC.ID09465.hairpin	19336	1	-	10282533	10282603
TJU_CMC.ID09466.hairpin	19337	1	-	13801783	13801853
TJU_CMC.ID09467.hairpin	19338	1	+	18191032	18191102
TJU_CMC.ID09468.hairpin	19339	1	+	20622303	20622374
TJU_CMC.ID09469.hairpin	19340	1	+	23346058	23346130
TJU_CMC.ID09470.hairpin	19341	1	-	24529195	24529265

Table 1. Novel miRNA sequences

TJU_CMC.ID09471.hairpin	19342	1	+	35530829	35530900
TJU_CMC.ID09472.hairpin	19343	1	+	36590655	36590724
TJU_CMC.ID09473.hairpin	19344	1	+	36621924	36621997
TJU_CMC.ID09474.hairpin	19345	1	-	38677913	38677983
TJU_CMC.ID09475.hairpin	19346	1	-	39963860	39963929
TJU_CMC.ID09476.hairpin	19347	1	+	40244515	40244584
TJU_CMC.ID09477.hairpin	19348	1	+	40416314	40416383
TJU_CMC.ID09478.hairpin	19349	1	-	43204510	43204582
TJU_CMC.ID09479.hairpin	19350	1	+	43455457	43455530
TJU_CMC.ID09480.hairpin	19351	1	-	50722468	50722538
TJU_CMC.ID09481.hairpin	19352	1	-	58577612	58577682
TJU_CMC.ID09482.hairpin	19353	1	-	64240336	64240407
TJU_CMC.ID09483.hairpin	19354	1	-	65806693	65806766
TJU_CMC.ID09484.hairpin	19355	1	-	66862388	66862460
TJU_CMC.ID09485.hairpin	19356	1	+	76328998	76329070
TJU_CMC.ID09486.hairpin	19357	1	+	76745949	76746021
TJU_CMC.ID09487.hairpin	19358	1	-	77234315	77234384
TJU_CMC.ID09488.hairpin	19359	1	-	84094675	84094748
TJU_CMC.ID09489.hairpin	19360	1	-	85957134	85957206
TJU_CMC.ID09490.hairpin	19361	1	-	92336620	92336691
TJU_CMC.ID09491.hairpin	19362	1	+	95582819	95582889
TJU_CMC.ID09492.hairpin	19363	1	-	99465518	99465591
TJU_CMC.ID09493.hairpin	19364	1	-	100553560	100553633
TJU_CMC.ID09494.hairpin	19365	1	-	112594620	112594693
TJU_CMC.ID09495.hairpin	19366	1	+	119614893	119614966
TJU_CMC.ID09496.hairpin	19367	1	+	151171306	151171377
TJU_CMC.ID09497.hairpin	19368	1	+	154787854	154787925
TJU_CMC.ID09498.hairpin	19369	1	+	160313270	160313342
TJU_CMC.ID09499.hairpin	19370	1	-	161500093	161500166
TJU_CMC.ID09500.hairpin	19371	1	+	161957861	161957930
TJU_CMC.ID09501.hairpin	19372	1	-	162662692	162662764

Table 1. Novel miRNA sequences

TJU_CMC.ID09502.hairpin	19373	1	+	167873451	167873521
TJU_CMC.ID09503.hairpin	19374	1	+	170065121	170065194
TJU_CMC.ID09504.hairpin	19375	1	-	172184960	172185029
TJU_CMC.ID09506.hairpin	19376	1	+	175375506	175375575
TJU_CMC.ID09508.hairpin	19377	1	-	176055063	176055136
TJU_CMC.ID09509.hairpin	19378	1	+	183954650	183954719
TJU_CMC.ID09510.hairpin	19379	1	-	189643803	189643875
TJU_CMC.ID09511.hairpin	19380	1	+	203645853	203645922
TJU_CMC.ID09512.hairpin	19381	1	-	210145230	210145302
TJU_CMC.ID09513.hairpin	19382	1	-	216394664	216394735
TJU_CMC.ID09514.hairpin	19383	1	+	219496625	219496698
TJU_CMC.ID09515.hairpin	19384	1	+	249168473	249168545
TJU_CMC.ID09516.hairpin	19385	2	+	5702581	5702653
TJU_CMC.ID09517.hairpin	19386	2	+	10291347	10291419
TJU_CMC.ID09518.hairpin	19387	2	-	52491519	52491589
TJU_CMC.ID09519.hairpin	19388	2	-	67532233	67532303
TJU_CMC.ID09520.hairpin	19389	2	+	71822455	71822525
TJU_CMC.ID09521.hairpin	19390	2	+	78870910	78870981
TJU_CMC.ID09522.hairpin	19391	2	-	82997815	82997888
TJU_CMC.ID09523.hairpin	19392	2	+	85838929	85838998
TJU_CMC.ID09524.hairpin	19393	2	-	88751652	88751721
TJU_CMC.ID09525.hairpin	19394	2	-	101254054	101254125
TJU_CMC.ID09526.hairpin	19395	2	-	117475328	117475399
TJU_CMC.ID09527.hairpin	19396	2	+	124729141	124729214
TJU_CMC.ID09528.hairpin	19397	2	+	130478699	130478769
TJU_CMC.ID09529.hairpin	19398	2	+	131032155	131032225
TJU_CMC.ID09530.hairpin	19399	2	+	131750065	131750134
TJU_CMC.ID09531.hairpin	19400	2	-	133010692	133010764
TJU_CMC.ID09532.hairpin	19401	2	+	133444834	133444903
TJU_CMC.ID09533.hairpin	19402	2	-	140979231	140979303
TJU_CMC.ID09534.hairpin	19403	2	+	145325167	145325236

Table 1. Novel miRNA sequences

TJU_CMC.ID09535.hairpin	19404	2	+	191423323	191423395	
TJU_CMC.ID09536.hairpin	19405	2	-	194136420	194136492	
TJU_CMC.ID09537.hairpin	19406	2	-	194592530	194592600	
TJU_CMC.ID09538.hairpin	19407	2	-	198976709	198976781	
TJU_CMC.ID09539.hairpin	19408	2	-	199047029	199047101	
TJU_CMC.ID09540.hairpin	19409	2	-	218905710	218905780	
TJU_CMC.ID09541.hairpin.ID=MI0000463;Alias=MI0000463;Name=hsa-mir-153-1	19410	2	-	220158833	220158922	
TJU_CMC.ID09542.hairpin	19411	2	+	220492229	220492302	
TJU_CMC.ID09543.hairpin	19412	2	+	223076363	223076435	
TJU_CMC.ID09544.hairpin	19413	2	+	234915469	234915538	
TJU_CMC.ID09545.hairpin	19414	2	-	237506439	237506512	
TJU_CMC.ID09546.hairpin	19415	2	-	239054416	239054488	
TJU_CMC.ID09547.hairpin	19416	3	-	15578212	15578284	
TJU_CMC.ID09548.hairpin	19417	3	+	27763554	27763624	
TJU_CMC.ID09549.hairpin.ID=MI0014157;Alias=MI0014157;Name=hsa-mir-466	19418	3	-	31203196	31203279	
TJU_CMC.ID09550.hairpin	19419	3	-	39385511	39385584	
TJU_CMC.ID09551.hairpin	19420	3	-	41558760	41558829	
TJU_CMC.ID09552.hairpin	19421	3	-	42563011	42563080	
TJU_CMC.ID09553.hairpin	19422	3	+	54356757	54356828	
TJU_CMC.ID09554.hairpin	19423	3	+	63947774	63947843	
TJU_CMC.ID09555.hairpin	19424	3	+	65342187	65342260	
TJU_CMC.ID09556.hairpin	19425	3	+	73793122	73793191	
TJU_CMC.ID09557.hairpin	19426	3	-	81647053	81647125	
TJU_CMC.ID09558.hairpin	19427	3	-	102098990	102099063	
TJU_CMC.ID09559.hairpin	19428	3	+	113465071	113465144	
TJU_CMC.ID09560.hairpin	19429	3	-	114105874	114105947	
TJU_CMC.ID09561.hairpin	19430	3	+	115998297	115998368	

Table 1. Novel miRNA sequences

TJU_CMC.ID09562.hairpin.ID=MI0014159;Alias=MI0014159;Name=hsa-mir-544b	19431	3	+	124451286	124451363	
TJU_CMC.ID09563.hairpin	19432	3	+	138600213	138600285	
TJU_CMC.ID09564.hairpin	19433	3	-	142682735	142682805	
TJU_CMC.ID09565.hairpin	19434	3	+	148709399	148709469	
TJU_CMC.ID09566.hairpin	19435	3	+	156709235	156709304	
TJU_CMC.ID09567.hairpin	19436	3	-	159659016	159659087	
TJU_CMC.ID09568.hairpin	19437	3	+	160176052	160176122	
TJU_CMC.ID09569.hairpin	19438	3	+	171740434	171740504	
TJU_CMC.ID09570.hairpin	19439	3	+	179641402	179641474	
TJU_CMC.ID09571.hairpin	19440	3	+	180397785	180397856	
TJU_CMC.ID09572.hairpin	19441	3	-	184098535	184098607	
TJU_CMC.ID09573.hairpin	19442	3	+	186504067	186504138	
TJU_CMC.ID09574.hairpin	19443	3	+	196871034	196871105	
TJU_CMC.ID09575.hairpin	19444	4	+	5357223	5357296	
TJU_CMC.ID09576.hairpin	19445	4	-	6193026	6193099	
TJU_CMC.ID09577.hairpin	19446	4	-	9941034	9941106	
TJU_CMC.ID09578.hairpin	19447	4	+	20760047	20760117	
TJU_CMC.ID09579.hairpin	19448	4	+	55871566	55871639	
TJU_CMC.ID09580.hairpin	19449	4	+	68253729	68253802	
TJU_CMC.ID09581.hairpin	19450	4	-	78400904	78400975	
TJU_CMC.ID09582.hairpin	19451	4	-	79820207	79820277	
TJU_CMC.ID09583.hairpin	19452	4	+	103422555	103422627	
TJU_CMC.ID09584.hairpin	19453	4	-	113013849	113013920	
TJU_CMC.ID09585.hairpin	19454	4	-	121154493	121154565	
TJU_CMC.ID09586.hairpin	19455	4	-	129733490	129733562	
TJU_CMC.ID09587.hairpin	19456	4	-	142061807	142061877	
TJU_CMC.ID09588.hairpin	19457	4	+	144987862	144987934	
TJU_CMC.ID09589.hairpin	19458	4	+	157251746	157251817	
TJU_CMC.ID09590.hairpin	19459	4	-	166795247	166795317	

Table 1. Novel miRNA sequences

TJU_CMC.ID09591.hairpin	19460	5	+	9403426	9403496
TJU_CMC.ID09592.hairpin	19461	5	+	10954587	10954659
TJU_CMC.ID09593.hairpin	19462	5	-	11588938	11589010
TJU_CMC.ID09594.hairpin	19463	5	-	27266352	27266423
TJU_CMC.ID09595.hairpin	19464	5	+	29923200	29923272
TJU_CMC.ID09596.hairpin	19465	5	-	36712245	36712318
TJU_CMC.ID09597.hairpin	19466	5	+	50575377	50575448
TJU_CMC.ID09598.hairpin	19467	5	+	61195790	61195861
TJU_CMC.ID09599.hairpin	19468	5	-	64967935	64968008
TJU_CMC.ID09600.hairpin	19469	5	-	76148545	76148617
TJU_CMC.ID09601.hairpin	19470	5	-	81934669	81934742
TJU_CMC.ID09602.hairpin	19471	5	-	82013287	82013359
TJU_CMC.ID09603.hairpin	19472	5	+	96016865	96016937
TJU_CMC.ID09604.hairpin	19473	5	+	99386415	99386485
TJU_CMC.ID09605.hairpin	19474	5	+	102055814	102055887
TJU_CMC.ID09606.hairpin	19475	5	+	154026903	154026974
TJU_CMC.ID09607.hairpin	19476	5	-	161619570	161619639
TJU_CMC.ID09608.hairpin	19477	5	-	166054881	166054954
TJU_CMC.ID09609.hairpin	19478	5	+	166405977	166406048
TJU_CMC.ID09610.hairpin	19479	5	-	171115236	171115306
TJU_CMC.ID09611.hairpin	19480	5	-	174178729	174178800
TJU_CMC.ID09612.hairpin	19481	5	+	180692651	180692722
TJU_CMC.ID09613.hairpin	19482	6	-	5065269	5065338
TJU_CMC.ID09614.hairpin	19483	6	+	26537762	26537833
TJU_CMC.ID09615.hairpin	19484	6	-	27509445	27509518
TJU_CMC.ID09616.hairpin	19485	6	-	29599327	29599399
TJU_CMC.ID09617.hairpin	19486	6	-	62190767	62190840
TJU_CMC.ID09618.hairpin	19487	6	-	80895313	80895383
TJU_CMC.ID09619.hairpin	19488	6	+	86984009	86984078
TJU_CMC.ID09620.hairpin	19489	6	-	92230455	92230526
TJU_CMC.ID09621.hairpin	19490	6	-	92436755	92436826

Table 1. Novel miRNA sequences

TJU_CMC.ID09622.hairpin	19491	6	-	110679320	110679391
TJU_CMC.ID09623.hairpin	19492	6	-	112463533	112463606
TJU_CMC.ID09624.hairpin	19493	6	+	116109648	116109718
TJU_CMC.ID09625.hairpin	19494	6	+	126448859	126448930
TJU_CMC.ID09626.hairpin	19495	6	-	130639237	130639307
TJU_CMC.ID09627.hairpin	19496	6	+	131701090	131701162
TJU_CMC.ID09628.hairpin	19497	7	+	6692763	6692832
TJU_CMC.ID09629.hairpin	19498	7	+	17983110	17983182
TJU_CMC.ID09630.hairpin	19499	7	+	4528621 8	4528628 7
TJU_CMC.ID09631.hairpin	19500	7	+	47789230	47789299
TJU_CMC.ID09632.hairpin	19501	7	+	54609900	54609973
TJU_CMC.ID09633.hairpin	19502	7	+	81313498	81313568
TJU_CMC.ID09634.hairpin	19503	7	-	96253196	96253268
TJU_CMC.ID09635.hairpin	19504	7	-	96654073	96654146
TJU_CMC.ID09636.hairpin	19505	7	-	103629806	103629879
TJU_CMC.ID09637.hairpin	19506	7	-	137329828	137329899
TJU_CMC.ID09638.hairpin	19507	7	-	138728841	138728914
TJU_CMC.ID09639.hairpin	19508	7	-	148552490	148552563
TJU_CMC.ID09640.hairpin	19509	7	-	149570666	149570735
TJU_CMC.ID09641.hairpin	19510	7	-	152582171	152582244
TJU_CMC.ID09642.hairpin	19511	8	+	9515823	9515894
TJU_CMC.ID09643.hairpin	19512	8	-	9798319	9798392
TJU_CMC.ID09644.hairpin	19513	8	-	10579387	10579459
TJU_CMC.ID09645.hairpin	19514	8	+	11741221	11741290
TJU_CMC.ID09646.hairpin	19515	8	+	20917001	20917072
TJU_CMC.ID09647.hairpin	19516	8	-	22994134	22994207
TJU_CMC.ID09648.hairpin	19517	8	+	31995486	31995558
TJU_CMC.ID09649.hairpin	19518	8	-	48566652	48566724
TJU_CMC.ID09650.hairpin	19519	8	+	52995780	52995853
TJU_CMC.ID09651.hairpin	19520	8	-	59940437	59940507
TJU_CMC.ID09652.hairpin	19521	8	+	67807870	67807941

Table 1. Novel miRNA sequences

TJU_CMC.ID09653.hairpin	19522	8	-	74269379	74269452	
TJU_CMC.ID09654.hairpin	19523	8	-	77557807	77557876	
TJU_CMC.ID09655.hairpin	19524	8	+	80824418	80824491	
TJU_CMC.ID09656.hairpin	19525	8	-	103819353	103819426	
TJU_CMC.ID09657.hairpin	19526	8	-	119680131	119680201	
TJU_CMC.ID09658.hairpin	19527	8	-	120083213	120083284	
TJU_CMC.ID09659.hairpin	19528	8	-	130973533	130973606	
TJU_CMC.ID09660.hairpin	19529	8	+	133492683	133492756	
TJU_CMC.ID09661.hairpin	19530	8	-	136785984	136786057	
TJU_CMC.ID09662.hairpin	19531	8	+	143249991	143250063	
TJU_CMC.ID09663.hairpin	19532	8	-	143557056	143557125	
TJU_CMC.ID09664.hairpin	19533	9	+	649401	649472	
TJU_CMC.ID09665.hairpin	19534	9	+	11846624	11846695	
TJU_CMC.ID09666.hairpin	19535	9	+	24017258	24017329	
TJU_CMC.ID09667.hairpin	19536	9	+	26097317	26097389	
TJU_CMC.ID09668.hairpin	19537	9	+	27983198	27983268	
TJU_CMC.ID09669.hairpin	19538	9	-	36847053	36847123	
TJU_CMC.ID09670.hairpin	19539	9	-	66477046	66477119	
TJU_CMC.ID09671.hairpin	19540	9	+	82800380	82800450	
TJU_CMC.ID09672.hairpin	19541	9	+	98117992	98118065	
TJU_CMC.ID09673.hairpin	19542	9	-	102582319	102582391	
TJU_CMC.ID09674.hairpin	19543	9	+	103624037	103624109	
TJU_CMC.ID09675.hairpin	19544	9	+	116918265	116918338	
TJU_CMC.ID09676.hairpin	19545	9	+	122496722	122496795	
TJU_CMC.ID09677.hairpin	19546	9	-	127616075	127616148	
TJU_CMC.ID09678.hairpin	19547	9	+	130547622	130547695	
TJU_CMC.ID09679.hairpin	19548	9	+	130659769	130659838	
TJU_CMC.ID09680.hairpin	19549	9	-	131843609	131843678	
TJU_CMC.ID09681.hairpin	19550	9	+	136793199	136793271	
TJU_CMC.ID09682.hairpin	19551	9	-	138708816	138708889	
TJU_CMC.ID09684.hairpin	19552	9	+	139937543	139937613	

Table 1. Novel miRNA sequences

TJU_CMC.ID09685.hairpin	19553	10	+	1621704	1621776	
TJU_CMC.ID09686.hairpin	19554	10	+	2771527	2771599	
TJU_CMC.ID09687.hairpin	19555	10	-	5895649	5895718	
TJU_CMC.ID09688.hairpin	19556	10	-	13936515	13936588	
TJU_CMC.ID09689.hairpin	19557	10	-	16166601	16166672	
TJU_CMC.ID09690.hairpin	19558	10	+	20505309	20505378	
TJU_CMC.ID09691.hairpin	19559	10	-	23640668	23640741	
TJU_CMC.ID09692.hairpin	19560	10	+	31014716	31014786	
TJU_CMC.ID09693.hairpin	19561	10	-	35988440	35988510	
TJU_CMC.ID09694.hairpin	19562	10	-	86348017	86348088	
TJU_CMC.ID09695.hairpin	19563	10	+	88937105	88937177	
TJU_CMC.ID09696.hairpin	19564	10	+	95806967	95807039	
TJU_CMC.ID09697.hairpin	19565	10	+	100805685	100805758	
TJU_CMC.ID09698.hairpin	19566	10	-	129149250	129149319	
TJU_CMC.ID09699.hairpin	19567	10	+	132588134	132588205	
TJU_CMC.ID09700.hairpin	19568	10	-	134986603	134986673	
TJU_CMC.ID09701.hairpin	19569	11	-	386788	386858	
TJU_CMC.ID09702.hairpin	19570	11	-	1063442	1063514	
TJU_CMC.ID09703.hairpin	19571	11	+	2537199	2537270	
TJU_CMC.ID09704.hairpin	19572	11	-	12990769	12990841	
TJU_CMC.ID09705.hairpin	19573	11	+	48320192	48320265	
TJU_CMC.ID09706.hairpin	19574	11	+	58105016	58105089	
TJU_CMC.ID09707.hairpin	19575	11	+	62495701	62495770	
TJU_CMC.ID09708.hairpin	19576	11	+	67210739	67210809	
TJU_CMC.ID09709.hairpin	19577	11	+	73085260	73085331	
TJU_CMC.ID09710.hairpin	19578	11	-	76381410	76381482	
TJU_CMC.ID09711.hairpin	19579	11	-	77390105	77390176	
TJU_CMC.ID09712.hairpin	19580	11	-	87171449	87171518	
TJU_CMC.ID09713.hairpin	19581	11	+	105092395	105092466	
TJU_CMC.ID09714.hairpin	19582	11	+	118388745	118388815	
TJU_CMC.ID09715.hairpin	19583	11	+	118405231	118405304	

Table 1. Novel miRNA sequences

TJU_CMC.ID09716.hairpin	19584	11	-	122622192	122622265
TJU_CMC.ID09717.hairpin	19585	11	+	133127006	133127079
TJU_CMC.ID09718.hairpin	19586	12	+	3475206	3475276
TJU_CMC.ID09719.hairpin	19587	12	+	5020515	5020584
TJU_CMC.ID09720.hairpin	19588	12	+	10869467	10869540
TJU_CMC.ID09721.hairpin	19589	12	-	24859917	24859987
TJU_CMC.ID09722.hairpin	19590	12	+	33049841	33049912
TJU_CMC.ID09723.hairpin	19591	12	-	54385271	54385343
TJU_CMC.ID09724.hairpin	19592	12	-	54947178	54947250
TJU_CMC.ID09725.hairpin	19593	12	-	57835950	57836023
TJU_CMC.ID09726.hairpin	19594	12	-	71830710	71830782
TJU_CMC.ID09727.hairpin	19595	12	+	72927778	72927850
TJU_CMC.ID09728.hairpin	19596	12	-	103195141	103195214
TJU_CMC.ID09729.hairpin	19597	12	+	105652279	105652352
TJU_CMC.ID09730.hairpin	19598	12	-	111099573	111099646
TJU_CMC.ID09731.hairpin	19599	12	-	113507158	113507230
TJU_CMC.ID09732.hairpin	19600	12	-	116988298	116988370
TJU_CMC.ID09733.hairpin	19601	12	-	123040054	123040127
TJU_CMC.ID09734.hairpin	19602	12	+	124456688	124456758
TJU_CMC.ID09735.hairpin	19603	12	-	133739684	133739757
TJU_CMC.ID09736.hairpin	19604	13	+	21277837	21277910
TJU_CMC.ID09737.hairpin	19605	13	-	23626197	23626268
TJU_CMC.ID09738.hairpin	19606	13	+	24906321	24906392
TJU_CMC.ID09739.hairpin	19607	13	-	27334920	27334989
TJU_CMC.ID09740.hairpin	19608	13	+	31471435	31471508
TJU_CMC.ID09741.hairpin	19609	13	-	37664878	37664948
TJU_CMC.ID09742.hairpin	19610	13	-	46609239	46609312
TJU_CMC.ID09743.hairpin	19611	13	+	71421245	71421318
TJU_CMC.ID09744.hairpin	19612	13	+	73912266	73912339
TJU_CMC.ID09745.hairpin	19613	13	-	74675077	74675150
TJU_CMC.ID09746.hairpin	19614	13	+	84144549	84144619

Table 1. Novel miRNA sequences

TJU_CMC.ID09747.hairpin	19615	13	+	102636717	102636790
TJU_CMC.ID09748.hairpin	19616	13	-	109127591	109127662
TJU_CMC.ID09749.hairpin	19617	14	+	32267589	32267661
TJU_CMC.ID09750.hairpin	19618	14	-	69050357	69050429
TJU_CMC.ID09751.hairpin	19619	14	+	73001879	73001949
TJU_CMC.ID09752.hairpin	19620	14	-	93515362	93515435
TJU_CMC.ID09753.hairpin	19621	14	-	100069742	100069815
TJU_CMC.ID09754.hairpin	19622	14	+	104657487	104657560
TJU_CMC.ID09755.hairpin	19623	14	-	106331726	106331799
TJU_CMC.ID09756.hairpin	19624	15	-	29761044	29761115
TJU_CMC.ID09757.hairpin	19625	15	+	30237482	30237553
TJU_CMC.ID09758.hairpin	19626	15	-	33912851	33912922
TJU_CMC.ID09759.hairpin	19627	15	+	37392595	37392668
TJU_CMC.ID09760.hairpin	19628	15	-	38099575	38099645
TJU_CMC.ID09761.hairpin	19629	15	-	46846158	46846227
TJU_CMC.ID09762.hairpin	19630	15	-	56657476	56657549
TJU_CMC.ID09763.hairpin	19631	15	-	59089692	59089765
TJU_CMC.ID09764.hairpin	19632	15	-	66927862	66927935
TJU_CMC.ID09765.hairpin	19633	15	+	72818226	72818295
TJU_CMC.ID09766.hairpin	19634	15	-	82220679	82220752
TJU_CMC.ID09767.hairpin	19635	15	-	87605411	87605484
TJU_CMC.ID09768.hairpin	19636	15	+	89043155	89043226
TJU_CMC.ID09769.hairpin	19637	15	+	89718714	89718786
TJU_CMC.ID09770.hairpin	19638	15	-	101735713	101735786
TJU_CMC.ID09771.hairpin	19639	16	-	2264765	2264838
TJU_CMC.ID09772.hairpin	19640	16	-	10813468	10813540
TJU_CMC.ID09773.hairpin	19641	16	-	28635318	28635390
TJU_CMC.ID09774.hairpin	19642	16	-	28893168	28893241
TJU_CMC.ID09775.hairpin	19643	16	+	33965455	33965525
TJU_CMC.ID09777.hairpin	19644	16	-	50113699	50113769
TJU_CMC.ID09778.hairpin	19645	16	-	52830472	52830544

Table 1. Novel miRNA sequences

TJU_CMC.ID09779.hairpin	19646	16	-	59310033	59310102
TJU_CMC.ID09780.hairpin	19647	16	-	67523571	67523642
TJU_CMC.ID09781.hairpin	19648	16	-	67762935	67763008
TJU_CMC.ID09782.hairpin	19649	16	+	68978595	68978666
TJU_CMC.ID09783.hairpin	19650	16	-	77384037	77384107
TJU_CMC.ID09784.hairpin	19651	16	-	80628530	80628602
TJU_CMC.ID09785.hairpin	19652	16	-	80837961	80838034
TJU_CMC.ID09786.hairpin	19653	16	-	82850401	82850470
TJU_CMC.ID09787.hairpin	19654	16	+	89193763	89193836
TJU_CMC.ID09788.hairpin	19655	17	-	1374445	1374518
TJU_CMC.ID09789.hairpin	19656	17	+	4613715	4613788
TJU_CMC.ID09790.hairpin	19657	17	+	5852063	5852136
TJU_CMC.ID09791.hairpin	19658	17	-	8042742	8042815
TJU_CMC.ID09792.hairpin	19659	17	+	10771544	10771617
TJU_CMC.ID09793.hairpin	19660	17	-	22020774	22020844
TJU_CMC.ID09794.hairpin	19661	17	-	27236392	27236462
TJU_CMC.ID09795.hairpin	19662	17	+	29021534	29021607
TJU_CMC.ID09796.hairpin	19663	17	+	29886119	29886192
TJU_CMC.ID09797.hairpin	19664	17	-	31859416	31859489
TJU_CMC.ID09798.hairpin	19665	17	-	33038706	33038777
TJU_CMC.ID09799.hairpin	19666	17	+	37881824	37881897
TJU_CMC.ID09800.hairpin	19667	17	+	49663199	49663268
TJU_CMC.ID09801.hairpin	19668	17	+	57679891	57679962
TJU_CMC.ID09802.hairpin	19669	17	+	57750251	57750322
TJU_CMC.ID09803.hairpin	19670	17	-	62336528	62336601
TJU_CMC.ID09804.hairpin	19671	17	-	65822068	65822139
TJU_CMC.ID09805.hairpin	19672	17	+	70587922	70587991
TJU_CMC.ID09806.hairpin	19673	17	+	75955295	75955365
TJU_CMC.ID09807.hairpin	19674	17	-	76277489	76277560
TJU_CMC.ID09808.hairpin	19675	17	-	77851216	77851288
TJU_CMC.ID09809.hairpin	19676	17	-	79583401	79583472

Table 1. Novel miRNA sequences

TJU_CMC.ID09810.hairpin.ID=MI0016892;Alias=MI0016892;Name=hsa-mir-4525	19677	17	-	80626109	80626183
TJU_CMC.ID09811.hairpin	19678	17	-	81037611	81037682
TJU_CMC.ID09812.hairpin	19679	18	-	14692378	14692450
TJU_CMC.ID09813.hairpin	19680	18	+	25185135	25185206
TJU_CMC.ID09814.hairpin	19681	18	+	28068791	28068860
TJU_CMC.ID09815.hairpin	19682	18	+	40180358	40180429
TJU_CMC.ID09816.hairpin	19683	18	+	62217956	62218027
TJU_CMC.ID09817.hairpin	19684	18	-	67570030	67570099
TJU_CMC.ID09818.hairpin	19685	18	-	73479893	73479965
TJU_CMC.ID09819.hairpin	19686	18	-	76147948	76148017
TJU_CMC.ID09820.hairpin	19687	19	+	917560	917633
TJU_CMC.ID09821.hairpin	19688	19	-	2163690	2163759
TJU_CMC.ID09822.hairpin	19689	19	-	10468589	10468661
TJU_CMC.ID09823.hairpin	19690	19	-	15563704	15563773
TJU_CMC.ID09824.hairpin	19691	19	+	21623408	21623479
TJU_CMC.ID09825.hairpin	19692	19	+	28405614	28405684
TJU_CMC.ID09826.hairpin	19693	19	-	29282300	29282370
TJU_CMC.ID09827.hairpin	19694	19	-	31211006	31211075
TJU_CMC.ID09828.hairpin	19695	19	+	36900070	36900143
TJU_CMC.ID09829.hairpin	19696	19	+	38534259	38534332
TJU_CMC.ID09830.hairpin	19697	19	+	41049423	41049493
TJU_CMC.ID09831.hairpin	19698	19	+	44037611	44037683
TJU_CMC.ID09832.hairpin	19699	20	-	3913027	3913096
TJU_CMC.ID09833.hairpin	19700	20	+	7050862	7050935
TJU_CMC.ID09834.hairpin	19701	20	+	7179533	7179606
TJU_CMC.ID09835.hairpin	19702	20	+	21290917	21290990
TJU_CMC.ID09836.hairpin	19703	20	+	22115992	22116065
TJU_CMC.ID09837.hairpin	19704	20	+	32273884	32273957
TJU_CMC.ID09838.hairpin	19705	20	-	33960391	33960463

Table 1. Novel miRNA sequences

TJU_CMC.ID09839.hairpin	19706	20	+	36251372	36251445	
TJU_CMC.ID09840.hairpin	19707	20	-	46773482	46773553	
TJU_CMC.ID09841.hairpin	19708	20	+	60533818	60533887	
TJU_CMC.ID09842.hairpin	19709	20	-	61992713	61992785	
TJU_CMC.ID09843.hairpin	19710	21	-	45284988	45285059	
TJU_CMC.ID09844.hairpin	19711	22	-	18026290	18026360	
TJU_CMC.ID09845.hairpin	19712	22	-	29600644	29600717	
TJU_CMC.ID09846.hairpin	19713	22	-	29702951	29703021	
TJU_CMC.ID09847.hairpin	19714	22	+	38135110	38135181	
TJU_CMC.ID09848.hairpin	19715	22	-	42002900	42002971	
TJU_CMC.ID09849.hairpin	19716	22	+	42267311	42267384	
TJU_CMC.ID09850.hairpin	19717	22	-	44580898	44580971	
TJU_CMC.ID09851.hairpin	19718	22	+	48490212	48490284	
TJU_CMC.ID09852.hairpin	19719	X	-	3552830	3552901	
TJU_CMC.ID09853.hairpin	19720	X	-	9286295	9286364	
TJU_CMC.ID09854.hairpin	19721	X	-	15884993	15885065	
TJU_CMC.ID09855.hairpin	19722	X	-	20009033	20009106	
TJU_CMC.ID09856.hairpin	19723	X	+	48846750	48846821	
TJU_CMC.ID09857.hairpin	19724	X	-	49048213	49048285	
TJU_CMC.ID09858.hairpin	19725	X	+	65921782	65921855	
TJU_CMC.ID09859.hairpin	19726	X	+	68477516	68477589	
TJU_CMC.ID09860.hairpin	19727	X	-	75367706	75367778	
TJU_CMC.ID09861.hairpin	19728	X	+	77010040	77010113	
TJU_CMC.ID09862.hairpin	19729	X	-	96181725	96181798	
TJU_CMC.ID09863.hairpin	19730	X	+	111650460	111650529	
TJU_CMC.ID09864.hairpin.ID=MI0003758;Alias=MI0003758;Name=hsa-mir-1264	19731	X	+	113887130	113887198	
TJU_CMC.ID09865.hairpin	19732	X	-	134117854	134117924	
TJU_CMC.ID09866.hairpin	19733	X	+	145109320	145109390	
TJU_CMC.ID09867.hairpin	19734	X	+	147575523	147575593	

Table 1. Novel miRNA sequences

TJU_CMC.ID09868.hairpin	19735	Y	-	15357076		15357149
TJU_CMC.ID09869.hairpin	19736	Y	+	15840458		15840531
DIP_TJU_CMC.ID00537.hairpin	19737	1	-	160312270		160312341
DIP_TJU_CMC.ID01082.hairpin	19738	2	-	74766437		74766509
DIP_TJU_CMC.ID02222.hairpin	19739	3	+	186505083		186505156
DIP_TJU_CMC.ID02387.hairpin	19740	4	+	41617267		41617336
DIP_TJU_CMC.ID03379.hairpin	19741	6	-	10662234		10662303
DIP_TJU_CMC.ID05612.hairpin	19742	10	-	120819517		120819592
DIP_TJU_CMC.ID05998.hairpin	19743	11	-	93463676		93463749
DIP_TJU_CMC.ID06410.hairpin	19744	12	+	95841358		95841431
DIP_TJU_CMC.ID06656.hairpin	19745	13	-	45911675		45911748
DIP_TJU_CMC.ID07310.hairpin	19746	15	-	66639611		66639682
DIP_TJU_CMC.ID07370.hairpin	19747	15	+	83424746		83424825
DIP_TJU_CMC.ID07370.hairpin	19748	15	+	83424746		83424825
DIP_TJU_CMC.ID07772.hairpin	19749	17	+	16353809		16353881
DIP_TJU_CMC.ID07948.hairpin	19750	17	-	73202529		73202599

Table 1. Novel miRNA sequences

DIP_TJU_CMC.ID08915.hairpin 19751	22	-	32744116	32744189
DIP_TJU_CMC.ID09505.hairpin 19752	1	-	173834846	173834918
DIP_TJU_CMC.ID09683.hairpin 19753	9	-	139901970	139902043
DIP_TJU_CMC.ID09776.hairpin 19754	16	+	33965543	33965615

Table 1. Novel miRNA sequences

Hairpin Sequence	SEQ ID NO:
CAGAAGGTCAGACGTCACTGGTGGCCCCCCAGCCTCCTCAGCAGGGATGCCCCAGGGCCAGCACAGCCCTC	9878
GCCCTGGGCCACGCCCCTGTGACGCGGGAGCCCCCAGACTCCTCCTGTGGGGAAGGAGACAGGGACCGAGA	9879
TGGCAGGGGGGGAAAGGCTGCACCTCACACCTCTCTGGGTGCAGAGCGGCTCCGGGACGGCTCCCCTCTCCTGC	9880
GCCGTCATCATTACCAGGCAGTATTAGAGACCTGACTCCATCCAATGCTGCCCAGTAAGATGGCCACGGCTGC	9881
CGGGAGGCTTCCACAGTGCTCTCTGGAGATGCCAGTCAGTGCCTGAGAGCCCGGAGGGCGAGGGGGCAGCCGG	9882
CTCGGAGACAGGTTTCAATCTGAAAGTCGTCCTGGTCAGTTTCAAGCAGTGTCTCGATGAGAAGGAAGAGGTC	9883
GGGAATAGTCTCTGGAGGGAAGCATCCCCAAGTTGGACCTCAGAATTGTCTCCGATAACAGCTGACAATTA	9884
GACAAGTGACTTCTGTTTCTAAGTTAGTGAATGGCCAGTCTGACCTAGTGAAGTGTCACTCAGCCCAGTGAGG	9885
GGCGGCGGGGGGGGTTGGATCACAAGGTCAGGAGTTCGAGAATAGTCTGACCAACAGGTGAAACTCCATCTCT	9886
GAACGAGGCTGAAGAGGACGCGGACGGAGGAGCCCCGGAACCTGGCTGCCACTGCGCCCCGAGGTGGAGC	9887
CTCTTGTCCAGTTTTCCCGAGCACCCCTGAGCAGCCTGGCCTGCCATGTCCGGGAGAAGACAGTGAGTACT	9888
CCCCTTGTCTTCGGGGTTAGAAAAATGACAGTGAAAGAAATGCGTCAAAATAGGCTGGATCACAGGGGTGCGA	9889
TCACCGTGTGGCGTCCCGGTAGTGTGTGGGACCCCAGAGGCGTCCGGGGCCTCCCCGCTGTGTGGTGTCCC	9890
AGATCCAGAGGCGGCCTGCACCCCAGGGGGACACCACCCACGGCACAGGAGCCTCCTGGAGGCAGCAGGTAGGA	9891
TACATGTGCACGAGCGCACGTGTTTGCATGTATGTGTGTGCATGTATAATGTGTGTACATGTGTGCATGT	9892
GGGAGGAGGACCCTGAGCTCCCAGAGCCCACTGGCTGAGGTCCTGTCAGGCTCATGGGGCTTCCAGCGGCAG	9893
GGTCCCGCGGGAGCGCCGCGTGGGGCCCTCAAAAGAGAGGCTTTCTCGCCCCCTGCCGGCGCGTGGTGGGAC	9894
TAAGGTAAAGGGAGGTCATTAGGACGGGCCCTAATCCAATAGGACGGGTGCCCTTAGAAGATGAGGATGC	9895
CCCGGAGCAGCCCGCGTTAGAACAGGATCCCGACGGATCCCGTGCTGCCTCCCCTTCAGCCAGCGCCATC	9896
GCATGGTATGAATAGATCCCAGGTTGTCTATCCACTGTCCTAGGCATGGGCGTTTTGGGTTGTATCAGATGTG	9897
GGGGACCAGGCTGAGGAGGGGTTCTGCAGAGGTGCTGGGTCTCCCCAGAGTTCTGAGCTGGGTGCCAGCAG	9898
GTGTTCACAGCAGGCAGAAGCCCACTGGTATGGGCCTCCCGCCCCTTCCACATCCATGTTGTGATTGGATC	9899
AAAGGTATTTTTGATTCATCTATAAAGTGTTCATCAGCTACATTTGAGTAGCTAAATCATAGGCCCTTTTTGGA	9900
CAGAAAGGCCACTTCCTGCAAGCAGCCTTCCTTGATCCTGAGCTGGGATCAGGTGCTCGGGGTTCATTTTCT	9901
ATGGGAGTCCTTGGAGAGCTGGGGCCCAAAGGGGGGTGGCCACAGGTCCAGAGGGCCCAGGGGCTTTTGACA	9902
ATTGGATCTGTAAAGGCTTTATTTCCAAATAAGGTCACATTCATGGGCTCTAGATGGACATGGACTGTGGGGGG	9903

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Table 1. Novel miRNA sequences

TTTGCCAAAGGTCACTGACCTGAATCCAGGATTCCGAATTAAATACCATTGGAAAGTCAGTGTTTCAGCCAC	9904
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GAAGAACTGGCCTTCACCCTGTAGTAGGCTGCCCTGATTCTTCAGTTGTGCCTTGGTGTGGACGAGGACCC	9906
ATCTACAGGTAAGATCACAAGTCCCCTGTGTGGCTTTCACTGCCCTTGACAAATCTGACACACTTATCTGCAA	9907
TGCCCTAGCTGCGACTTTCAGCACACTGCCTATCCTATGGGACAGCCTTAGTCTGATGGAGCAGTCACAGAGC	9908
TCATTGTGAACTTAAACTGCTGGGGATATGTCGGTGAACATAATCCATGCAGTCTGGTCTCACTGCGAGCAC	9909
CCATCCTGGGGCCCAGCCCTGAGAGCCGAGTCCACAGAATCCACTTCCAAGTCGGCCTGTTCCCTGGGATTC	9910
AGGAGTCTCCCAGCAGCTGGCCTTTGGCTCAGAATCCCAGTCCCTGCCATCTGCCATCGGATCCTCCAGT	9911
TCCATGGGATGTATACATTTAAAAAGTCAGACTGCTGTATACCTGGATGTCAAATCCCAGGAATCCTGTGT	9912
CGTGAAGCAGCAAAGGATGAAATATAGGTACGGGGGGCACACAGCTTTGCAGGGTGGGGGCTGACCTCCCGGCCT	9913
GAACCCTAAAATGACGTAATGCCTGTCGGAGCCACCACGGTGGTTTCAGGTCTCCAGCCCTCCCATTGTTAG	9914
GGTCCGTCGGTTGGGCCTCACAGGCCTGGGGCGGACATAGCTATCCCATGGTGATGGGTGAGGCCAGGCCCTG	9915
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TCTTCCGACTCTGTCGCCCAAGCTGGAGTGCAGTGGCATGATCTCGGCTCACTGCAAGCTCTGCCTCCTGGGT	9917
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GACCTTGGGATGTAGCTCTTGCCAAAAACATGGTCACACACGAGCCAGGGGCAGAGGAGCTGCATTTATCAA	9928
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CAGCTCCGAGGGGAGCCATATCCTGGGACCGTGACTCAGCACCCAGCCACTACGCCTCCCGGCCAGCCGCTG	9932
TCCTGGGCTCAAGTGATCCGCCCACCTTGGCCTCCTAAAGTGCTGGGATGATTGGTGTGAGCCACAGCTCCT	9933
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Table 1. Novel miRNA sequences

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GGAGAAGCCCGTGGACGCACACTCACACTCACACTGGGGAACAGCAGAACTGAGTGTCAGAGGCCTGCTCCGC	9938
AGTAAGAGCACGGAGGCTGAGAATCGGGTGGATCTCTCACCCTCTCCAAGCCTCTTTCTTAAGTATTCGT	9939
AGCTTGCAAATTCTGGCCCAAGGGTCAAATACAGCCCTTGGACATGTTTGACTCGGCCTGCAGGGTGTTTGAAC	9940
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GCATCCCTGAGAGCCGGATTTTAGCTTTGTGCATCACTCAGATGCAAGCAGCTGTTTACCTAGAAGTGCATT	9957
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GCTCTGCAAGTATGAGGCTGGTCCGATAAAATTTATATCCCTACCAGCTTCTTCTTTTCATAATTATCTTTC	9959
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GGGAGTGGAAACAAACAAGATGAAATCTACGATTGCCCCCGGCTGGCTTGCGCTGGAGAGAGTTTCCAGACC	9964
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Table 1. Novel miRNA sequences

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GGGGTCTCCAAGGAGAGGGGTCTGTGGACTAAAGAGGGCCGGCGGGAGGGGGCCCAGGGTCTGTGGGTGTCTCGAG	9969
AGGGTCAGAGAAATGGGAAAGAGCAAGAGCCAGAAAATGGTTTGAATCCCAGCCCTGCTCCTTGTGAGCTTA	9970
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GCCCGAGGTCCGGATCTCAGACAATGGTCCCTATGAGTGCCATGTGGGCATCTACGACCGCGCCACCAGGG	9984
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TTTGCTCTTGTTGCCCAGGCTAGAGTGCAATGGTGCGATCTCGGCTCATGGCAACTTCTGCCTCCCGGGTTCA	9993
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CCTTGTTTGGAGTAACCAGTTCCTTCCTGCTTTGGAATGGGGCAAACTTCTTACTCAACACACGCAACAGG	9995
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Table 1. Novel miRNA sequences

CCTGAGACCTGTGACTTGCTTAAGTTCACATAGTTGATGAATAGAAGTAGACCCAGGTCTAGAAACTGAATCA	9997
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GCAAGAATATGGATTCTGACAGGAGCACTCCAGGGTGCCCTAGATTAACTCTGGTGAGAAGTAGATGACCCTGC	10000
ATCAACCACTCCCTTCCTCTCCACCAGAGTGACCCAGCCTCCTGTGGGTGGCCGAGAGGGGCCCCAGGGAC	10001
ACCCTGTACTTTGGTGGCAGCCAGGACTGAAAGGGATGAAGTGCTTGGCTCAGTTCAGTGAAGGTGGGTAGT	10002
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GTTTCACCCACCCCCGCGGGGACAGCACAGTGTTAAGAGCACAAGCTCTGGAGCAAGGCAGCCTAGTGTT	10012
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GTTCTGAAGTAACAGGGGATCTGGGTTCAAATACCAACTCCACCACTTACCTTGAGCCAGTCACTTTACCTCT	10014
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AGCAAGACCCCATCTCTGTTTTTAAGAAAATGAAGAAAAAAAGAAAACAAAAAAGATAAAGGTCTTTGCTCAGCCG	10020
AACACCTGAGCAGTAATCAGCTGGGTCTGTAGTCAAAGCCCAACTTGGCTCAGCCTGATGAGGCCCAATGTT	10021
AGGCCGGGCAGTCAGGGCAGCCAAAGCTGATTCCCATGCCTGTCCCTGACCTATGGGCACTGTCACCTCT	10022
GGGGCTGTGGTAGCCCGGGGGGACAGTGCCAGGGATCTGGTTCTTCCTTGTCCCCAGGACTAGCTGCCCGCG	10023
GGAAATAGCAGCACAGAAATACTGTCCTGTGAGTGTTTCTGCGACCCATTGTATCAGTTCGCTGTTGCTGC	10024
CCCTCCCCCCGCCACGTGACCCCGCCCCCCTCCCATTCAGCGGGCAGCAGAGGGCCCGGCCTGGCGGGGCCGGG	10025
GAGATCCAGTAGACCCTCTGCCCAAAGAATGTGAAGTTGTGCCATTAAAATAACTTGGCCGGGCATGGTGGCT	10026
GAGTAATCTGGTAATCTGGTATGTTGACCAGCCTGGACAACACAGCAAGAGACCCAATCTATTTAAAAAAAAA	10027

Table 1. Novel miRNA sequences

GTAGGGGCTGGTTAAGTAGACCCATCAAATGTTTTCCTTAAGGGGCCTGGGAGAGGTTTACCTGGAATATGC	10028
AAGCATAATTTTTTTGGTATTTGGGCAGCTGGTGATCGTTGGTCCCGGCGCCCTTTCTTTACTGTTATATGTT	10029
AGTTACCGTAATGGACAGCAGAGGCAAAGCAGCAATCGGAATAGTCTGACTCGTTGATAGAAAGCCTACTGA	10030
CCTCAGAGGGGAGGGACTGCAGGCTTCTTGCCTGCCAAGCATCACAGAACAATCTCCTCCAGACACTCCAAGC	10031
TATGGTGGAGAAACCTGATGAACGTGACCTTAGCCAGATGATTAAGGTTAACATCATCAGTGATAAGTCTTGT	10032
GGCCTGCACCCCATCGAGAGGGTACAGTGCTTTGGGTAGGTTTTGTCCCATCTGGGTCGCCAATATTGTT	10033
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GCCGCTCCTGTACTGAGCTGGAAGGCTGGTGGCAGAGCCACCTGCCCAGGTAATTCATCAGTGTAGATTTATGG	10035
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GGAGGAGGGACTCTGGGATTGTCCAGCCCCAAAGACCTTATGCTGGACTTGCCTCTAAGTTCTCTGATGTT	10055
AGGGCAGCGGGAGGAAAACCTTTATTGCTACTAGACATTGTGATGAGGACAGCTGGCCACTCCCTTTCTGAT	10056
GTAAAGCTGAGTGGGGTTCTGTGGGAGGTTGAGATAAATGAAATCTCGTCTGTGGACTACCCTGTGACAGACA	10057
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Table 1. Novel miRNA sequences

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GGTGATTAGGTCATGGAGGTGGTTTTCCCCATGCTGTTCTCATGATAGTGAGGGAGTTTTCACAAGATCTGAT	10062
GAAAGTCCCTGGAGTTTCCTGGTTCAACAGTGCTTGGACGGAACCAGGCACTCGTACCCCACTCCGGCTGGC	10063
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ACAGCTGAGTTTTATGAAGCACTTACTATGTGCCACGTACCGTGAGTACTTCATAGGTAGCATCTTGGTT	10082
CAAGTTCTGGTCCCCAGATGCTGAGCCACTTGGGCAGCTCTCTCCTGGCTCAGCCTGAACTCCCACGAGACC	10083
CCGCCAGCTCAGCAGAGGTGGGGAGGCTGGATCTGACACACCCTGAGCCTCCCCACCACTTCCTCCCTCCTGC	10084
TATTCTGAAGGTATGCTCTGGTAAGGCAAGATTCTGGTGATGCGGAGTTAGGTCATACTGAGGATTGGGGCC	10085
GTTTCTGCTGAGAGGTCCACTGTTAAACTGATAGGCTTCCCTTTGTAGGTGACCTGGCCTTTCTGGCTGCTC	10086
AAACAGAAGTGAGGACCTTGAAGAAACTGCATGGTTGGATCAGTCTGATGAAGCACTTGAGGCTTCCTGAGCC	10087
CCTGGATCTCGAAAGGTTTCAGCAATAAGGCCAGGGGTACCTTCCAGGCAGGAGTAGTAGCATCTCAAAGGC	10088
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Table 1. Novel miRNA sequences

CCAGCACGATATTCCTGAGTCAGGCAGGGTATGGAGTCATTCTCCACTGTGCAGGATCGTCCCGGACTCCCA	10090
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GGTGCCTAACCAACGGGCTGTTAAAACTAGTTGAAAGAAGCTCTCACACAGGTGGTTGGGTATAGGTCCGACC	10104
AGGTAGTTCACAAAGGATGAAATTAAAGAAGTCGCTGGGCACGGTGGCTCACACCTGTAATCCCAGCACTTTG	10105
CTTCCTTACCATCTGTAAGTCTGGACCCTGTAAAGCCAGATACCAGGCCAGTTTTCCCAGGAAGGTTTTGTAA	10106
AGCCACTTGCCCCACCCCTGGGCTGCTTCTTCTTGAGATCAGGAGGGGCGTTGCCCAGGGCTGGTGTTGCCAGG	10107
GAAACCAAGAGCAAAGACCACAACGCCGGCTGCGATGAGGAAGTAGCCCACGTTGACAAACTGCATGGCACTGG	10108
AGAGTTAAGCTGGAGAGGAGGGTAGTTAAAACTCTCCACCTAACTGCTCAGAATCCCTCCCAGATCAATCC	10109
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CCCACAGGCTGCCCCATGCTTCCTAAATCCTTCCGGGGCTTCTCCACCGAGGCCCAGCCCCACCTGCTGGGT	10111
ATTGGCCGCGGCGCCCGCCCGGGGCACCCGGGAGCCCCTCTGGCCTCCCCCAGCCCAAGGCTGGATCTGGGCCA	10112
CTCAGCTACAGGGGAGAGACATGTCAGTGTAGTGACAGGGAGCTCATCACCTGCCTGGCTGCTCCATGCCCT	10113
AACTCCCTACAAGGTCACCACTCTGCTGGTAAGGATGAGGGGAAGTGAGAACTGAATTCCACTGGAGGGAG	10114
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CACAACAAACCTATTAAAATCCTTGTTTATAACCTATAAACAAGGATATATTGTCATCCTTGTTTATAGATTA	10116
GAAAATGAGGTAGTAGATCAGGGAGGGAAACTCACACAACTTGGCAGATGATGCTGAGTTCCAGCTGGGGTT	10117
ATAGTTGGGCAGGAGAGAAGTAGAAGAACCACAGATGAAGAACCAGTCCAGTTTTCCCTGGCCACCAGAGG	10118
GGCTAGTCAACCAGGTACCTTTTTAAGTGGATAGGCTGAGGCCTAAACTTAACAGAATACCACTATTCCAGTG	10119
AGTGCTAGGATTACGGGCGTGAAGCACACCCGGCCAACGGTGTGAATCTTTACAAGCTATTTTGTTTCTTCC	10120

Table 1. Novel miRNA sequences

TGCATGTACAGTTCAAAAGTGAGCCAAGGATTTGAGGGGCATTTATATACAAATTTGGGGCTCTGACATCCA	10121
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AATAATGACAGTAATAACTTATAAAGTGGGAGAGATGGCAAGCCCTCAGGGTTTACTGCTGCCACCCAATTGGG	10124
GTGATCTGCCTGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGTGTGAGTCACCACTCCCGGCCCCACACAT	10125
TGTTTCAGCTCATTATTGACTACTTAGCTGAGTTCAATTCCACACCAGCTGTCTTTACAATGATAACTGAGCA	10126
CAGGCGCTCGCCAGTGTACCCAGCTTTTTTTGTTTTGAGACAGGATGTCACGCTGTCATCCAGTCCTGAGTGC	10127
GGGGCCGGGGCGGGGCGCTGCGGGATGGTCTGGTCCGGTCAGGTCCTCACAGTGGCGCCTGAGGGCTGAGGCTC	10128
CAGTCAAGACTAACACATTCACAGGCAGAGTACTTACACATTCTGATGACTGTCTAGTCCTTATGGACTGATC	10129
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Table 1. Novel miRNA sequences

GTGATCTTTCTCGTAAATACTCATAAATACCACTACTCCTGAGGACTATTTGAGAAGGATGACCAAATAATTC	10152
CACTTTTATCAAGCGTCTACTACATGCATAGCACCCGGGTTACATGCTCTGGAAAGACAGTGGTCACTGAGATAG	10153
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ATTTGCCGATATTATAAGATAAAAAACACTGCATACATGTTTATGCCTTGTATTTTGATGGGGTGGGAGGC	10155
CTGCTTTCCAATTCTGGTTCAGCCACCCGAGACCTTGGGCATTTTATTCCACTTCTCTTGAGCTTGAGTT	10156
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TGCCCAGGCTGGAGTGAAGTAGCTATTGTTCATAGGCACCATCTTAGCGCACTGTGGCTTCAAACTGCTAGGC	10170
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TCAGATAGGCATAGATAGCACTACACTGCCGGCTTTGTAAAAGGGTTGCAGGGAGGTCCCAGGCCTCATAGA	10181
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Table 1. Novel miRNA sequences

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Table 1. Novel miRNA sequences

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TTCAAGGTATTTCAGTATGCAATAGAGCATGCACATACTCCACTTACAGTGCATCTCTAAATCTGATTGTTAC	10243
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Table 1. Novel miRNA sequences

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ACTTTGGAATTATTAGCCTGGGTTACACTCAGATTCCAGTGAGATTTGGCTGCAATCACTATTCCAATTG	10271
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Table 1. Novel miRNA sequences

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AGGCTAAAACAATGTTCCCTGAGACAAGCCATGGACCACTTTTCCAAGAATTGCTTGGGGTGCTGGTTAA	10300
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ATTAGATAACTTACCATCATGGGGTAACCTAACTGAAACACTGCAAAAGGTCTATCTAATGGGGTTTCCTAG	10305
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Table 1. Novel miRNA sequences

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TCTGGTCCCTGCAGACAATTGAGTTTAGGACCCCTGCCCACAGGCTAAAATCCAAACTCCTCAGTCAGGCCCC	10311
GGTATTTATCTTTATTTCATCATTCTTGACTTTCTTGTTTTCTTCAACTGGTCTTGGAGAGGAACAGAAGTACC	10312
CTGTTTTGGCTCAGTTCAGGTCCCTTAATCCAGGAGGCTTCGTCCGTGGAGTTGGCTGACTCAACAGACTC	10313
TTATAGCTCTCCCACCAGCCAAACCAGCCTACCGCTTGTGTTTGTGTAGTTCACAAGCTAAGAATGGTTT	10314
TGGAGATAGGGGGTGCTGATGTTGCCCAGAATATTCCATCTTTAATGAGGCAACCCTAGAAGGATTGTTTCCA	10315
GGTCAAATATCCACGTGAGGTTTGGTGGGGTCAAATATCCAGACCATAGCACCATATGATTAGCTACTTTGGT	10316
GATCTTGGACTGGGAGCAAAGCAAAACTGCAAAACCAGCAGATGGGGTGTTGTAGAAGGTGCACCCCAGTAGA	10317
TGGAGGATGCCTGCCTCCAGGGGCACAAAGGCTGACCAGCAGAGGCAAGCTGAGGACAGTGGAGAGAGGTG	10318
CCACTACAGGAGGGGAAGCAGGGGTCTACTGGCCGTGAGCACAGCAGTACATGCCGCATGTCTGCCAGAC	10319
GAGAGAAGTAGATGGGGCTATTCTGCTAAAGCACTGTTTTCTTAGGAGGAAGTGTGCAGCTTCAGCTCCAGCT	10320
CCTATTTTTGTCTTGATGGCACCTACTGAACCAGCTAAACCTGGGCTTATGGTTTCATTGCCTTCGCAGAC	10321
TTAGATATCATTTATTCCAATCCTCTCATTTCACAGTGAAGGAGATAGGTGGAGATAGGTGATGTGACTTGT	10322
GGCTCTGTGTCAAGTGATAACAAGGTCCCTGCTCTCTTTCCCATGTGGGAGCTGGACTGTCCTCACTTTCAAAG	10323
GCAGAGTGACTGAATGACCTTACCCCAGCTCTCCCTTTGTGGTGTAGATCCCTCGATCTCTCTGATCTCATC	10324
TATGAGCTAGTTACAGAAATATTTGTTAGCTCTTTCTAGAAGTAGTTTTATAGTTTGTCAACTACTCACTGT	10325
CAAAACGTTATGGCAGGGACAGTAAGGAAATGTTGTTTCCCAAGCCAAGGTTCAGGCCTATTTGAAGGTTT	10326
TCACAGAGGTTAAGTACTTTCTCAGGGTTAAGCAGCTACCAGGTTGATCCTGATCCACTGTCTAAGCTCT	10327
GTACTGGGATTACAGGTGTGAGCCACTGTGCCTGGCCAAAACTGATTTTTAATGTTCCTGTTGTTCTCTG	10328
AGCTACTGTAATGGACAGCAGAGGCAAAGTGGCAATTAGAATAGTCTGACTCATGCAGAGCTCTGGCATTGGA	10329
ACCAGGCTGGGCCTGCCTGTGGAAAATGGAAAGTGACAGAGCAGCGGCTACAGCTGGGGGTGGGGTGTTGAGTA	10330
TAGCATTAGATTGCCTGTGCGCTGAAAATCCTATAATCAGCTTCCTTGCTTATCCTCAGTATGCCAGGTCCTCT	10331
CTCACAGTTTTCATGAACTCTAGGGAGCCTTTGCTTCTAGGCGTCTCACATACTTTCAGGGACTAGGAAGGT	10332
TGTGAAAAGGAAAGTAGCCAGCTGAAAGATTCAGTATCTGTATGCTGAAAGCCGTTAAGTTGCTCGGACTAG	10333
TTACCGCGGAGTGGGCAACGGAATAAACCCTCGTTTCCTTCTCCCTTTCGCCCTACCGCCCGCTGCCACGCTGG	10334
GTCCTGGAAAGCCACAGAGCTGCCCAAGGCTTTGGGAGACCACCCCTTGTACCAGTGTGCCCTGGATATGAG	10335
TGAGAGGAGGCCCGGGGAGAGTATCAGGTACTGTAATTCTTAGTTCTGGACTTGATTCTGTTTGCCAACG	10336
TCTTGCCCCTGCTCTGGAAGGGACCCATCATACCTGGACTGTTGCCTCTCCAGCAACAAGTAGGCCTAGAGA	10337

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Table 1. Novel miRNA sequences

TTAGCCTCCTAAAGTGCTGGAATTACAGGCATGAGCTGCTAGACCCAGCCCAAATAATCTTCTGAGAGCT	10338
AAATTATGGAAACATGTGTCTGCAGCTGTAAGAGAGAAAATTATAGAGGTGGTCTAATGTTGCTTTCCAA	10339
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TGAGGCCGGCCGGCGACCTTGACGCTGCCGGCCGGGCCCAGGCCACCGCGCGGCGCCTCGCCCCTGCCCCA	10341
AGTAATGTAATGGTGCTGAAAGGAAAGATGCTGGAAACCAAAAGGCAGGAGTTTTCCCAGGAGCTTTGCTACT	10342
CTAAGCCTGGAAACCCCCAGCACAAATCACTTCTGGGGCTACCAAATAGCACGGTGATGCTGTGTGGGTA	10343
GTTGGTTGATGTTTCAGAATCTAGTGCCACTCTCCTAGGCAAGTTTCGATTTTGCTCAGGTAGCTGCTCCTC	10344
AGAAGCAGAAATCTATCCCACACAGTCTGCCTGGGCATGTGTGCTGAGAAGTGGTTCCCTTCCTTCCATAT	10345
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GTCCCAAACTACTTGGTAGCAGTCTGGAGCAGGGCCCAGGTCTCCCAACAAGACATGGCATATGCGTTTGCTAC	10353
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AGTGCTCAGCAAATGTGAGGTAGGCTGGGTGCCCTGGTTCACGCCTTTAATCCCAGCACTTCGGGAAGCCGAG	10356
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CACAGGGACCTCAGGCTCCCCAGCATAAGAATAGGACACTTTGAGAGATATATTTCAGGAGGCCTGAAGGCTGT	10362
TGTGTTGTCAGTCCCAGTTGATGTTTTTGGCTTCACGTCTGGTTAACTTTAGGAGAGCACACAACACCAAGC	10363
ATCCTCTTAGCACAGAGCTCTCTAGACACTGGGCTGTGGAAGCCCAGTGAGGACTCTATGCAGGTTTCCTC	10364
TCGCCTCCCAACCCGCGTTGTCCTCGCGCCTTCGCCCTGGGTAGGTGAGGCCGAGAAGGCAACCGCGAAAAGGA	10365
ATAAAAGGGGAAAGGGGCGGCAGCTTCCGGAGGGTTGCGCACGGCACCTACCAGCTGCCCGGCCGGGCCGGG	10366
ATTTCATTCCCTAGATAGATGCTTTAAACTGTAGAACCTGCCAAACCACACTCTGGTCAGGTTGGAGTAAAGC	10367
CTTATTCACATTTTGCTTTTCTTGTTTATAAAATGGGGTATATACCTAATGACTCAGGAAATTTAGGCAGGA	10368

Table 1. Novel miRNA sequences

AGCTGGAGCGTTGCTCAGGGAGCCAATATCTTGCCTGCTGTTCCTTCTCCAACCAGCTCATAGGTAGAAATA	10369
GTGGCGGGGGCGGGGAGCGGTCTGGGCCTGGGCCTGAGCCGAGGTTATAAGACGCAGTTCGGAAGCAAGGCC	10370
AAGGTACTCATTGAAGCAGCACTGCCCAGGGCTAAGGCCCTGGTCTTTGTAACATCTAAAGAACTTTCTATTA	10371
ATCTTTTCTTGTAGGTGAATTACTGCCCTGTTAATTATAGGCCATTTCGCTTTTAATAACATCTGTGGGA	10372
GGGGAAGAATTGAAGCCCTATTCTCTTGCAGCTATGAAGCGGATAGCCTTGGGCAAGTTTTCAAGCCCCTCTT	10373
TCCTAGAGCTGGAGCCATGGTGAGATGAGCCTGGAAGAGGACTTGGAGCTGGTCAAAGGTAGTCACTTTAGAA	10374
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GCTACCTGCACATGCTGGAGTAGAGGGAGAAGGATGATAGTATGAAATTTTGTCTTCAGTACCAAGGAGTA	10378
AGCTGCATTTGTCTTTCTGACCTCATGCAATTCCTAGGAAACTCTGTGTTCTGTGATTTAGTCAGGCAAT	10379
CATTAACACAGCACCTGCCCCAGTTCTCCCAGGAGGGACTGGCGGTGGCTAACATTCACAACCTCTTCCA	10380
GATTGTTATAGGCGACAACCACGTGGTCACTTCTCGCCCGGAAATACGGGGGCCGGACCTTAGCCCACGGTCGG	10381
GGAAGTGGCATGGAGCGGGTGCATGGAGGTGGTACCCTCCATGCTTTTGTTTGCATGGCCCTGCCTCCAGGCC	10382
CAGCCCATCCGCTTGGGGCCCTGCCCAAGTCCTGGTAGCACCAACCAGGGCGCCCAGCAAAAGCAAAGGGTA	10383
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TTATGCTTTTTCTTATGGTATTTGGCAGGATTGAGAAGTAAATGACCAGCATGCATATAGGAAGGAGGTGG	10387
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GCCCCGCCCTGAAGGCCGCCCCCCATTCTTCCCTGCTGAGATGAAGCACTGCCTCTCACCCTGATGGGGCCA	10391
ACTAGGGATCATGGTTCCCCGGTAATCCATGGTCTTGCCAATGTAGCGGTAATGCTGTCCAAGAGAGGGGAG	10392
CAGAATGGGACAGGGAGATGGCTTTGTCCTTAGGAAATAGCCTCTTTACACAGTACCTGGCCTCCAGATGCTA	10393
GCAGCCTAGGAGGGCCTGAAGGATTCGACCCCCATTATGCTTCTGTCTTCAATGTCTGCCACCATGCTCC	10394
CCTAGATCTGTATGACTAGCCCTGACCTCTGGCTCAAGCTTCAAGGTCATGGGTCCAAATGCCCACTGAGC	10395
GCTGCCTAAGTTCAGGACTGGATACATAACTGAAAAGGCCCTATGCAGAATGAAAATAGGAAGCCCTTGTTC	10396
GTCTGATAAGTGAAGTTTGCTGGCTTCACCGCAAAGTTTGCTGGCACCCAGATAAGGGCTTAGAAATGTAAAC	10397
TTTGTTATAGCTGGAATATGGTGATGAGATTTTAAAAGATTTCTTTTAAAGGAGCTCAGTGGCTAAAAGTCAGC	10398
TCTTAATGATAGTAGCACTGGGCTTATGTTTTTATTGGATGAATTTGCTCAGCTTCATACTGTTGTGTTACAAA	10399

Table 1. Novel miRNA sequences

CAAGGCTAAGGTGCCGGCAGATTGGGTGTCTTGGAGGCCTCTGTCTTCCCCCAGTGTCTTAACCAGGTCTTCAT	10400
TCTCCTGAAGGCCCACTCTCCCTTTGTGTGGTAAGACCCCCTCTGTGGGGGTGTGATGAGAGCAGTACTCAG	10401
ACTTTTGAAAACAGATGTGGTCCAGCCTAGTGCCATGATGGCTGCTATTGCTATTACCTGCCCCTCAAAAC	10402
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GGGGAACCAGGAAGGTCCTGACCACAGACATACAGTGAAAACAGACCATTGCTGGGTCAAATTCTGGCAGCTCC	10405
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TCAGTTGAAATAACTAAATGATGTGAGAATATTGGCATCCTGTAAAAATGGGAAACCAATGATCCAGGTCTG	10415
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GACAATAGGAGGCTATTCCAGTAATCCAGATATCGGAGGGACCTAAATCTGTCTTGCAGCCTGTTCTCTTGC	10424
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GAAAAAGATGGCAAAACCTTGGAAGGGAGATCCAGGCTCTGGTCACTGTGGATAAGGCCAGTCAAATTTTA	10426
TGTTTAAAATGTATCCTTAATTGTAAATACCTGATGCTAGATCTCTTGATAGTGGGTTTCAATGGGAGGAGGA	10427
GTGATGTTTTAGGGCCTTCATAGATTAAAATCTTGAAAAACAGCAGGCTAGTAATCCAGCTCCATGCATCAG	10428
TTGGTCATATTATGGGATACAATTTAATGTTTCAATACATATATATATATATGTCTTATAATGATGATCAAG	10429
TTCACAAGCAGTGGCCATGGTTTAGATGAACAGTGCATCACTCTTGTCCAGTTTTCTTGAAGCCAAATAGTC	10430

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Table 1. Novel miRNA sequences

GTTTGGCTGGCTCAGAAAACTGGTGCACAGATCTTCTTTGTTCCTCCAGCTGAACTCAAATACAAACCTTCAT	10431
TCAGGTAGCTCGCTGAACACCCTAGGAAATGATGCCATATCAGGAACTCAGTGTGGTCTCCGATGCTGGTAGA	10432
TGCAGTAAGGCTGTAGAGGAGAGAAGGATCAGGTCAGGAAGGGGTTTGTGGTCCAATCTATGGCACTTTTAA	10433
AAAAGGAGGTGTCTATGGGCTGACCTGATGGAGTGAACCAGAAATTCAGACGGCAGCACAGCTAGATACTTTA	10434
TTAGTTCCAGCACATTCCCCAAGAATTGGTTTGGATCTGTGTGTATGAAGCAGGCAGTTTATATCCAATTGTGT	10435
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TCTCATTTAGGCAGTAGTGATCTTTGTCAAATACAAAGATGACTGGGTGTGGAAGATTGGGAAGAAGAAGGAA	10439
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TCATTCCCACCTCCTAGCCTTTGAACTAGCTGTTCTGATGTTGCCCAGGGCTGGCTCCTTTCCATCACAGAGGC	10454
GGGCTAGTATATTTTAGCAGATCGGGTTGTTAGTACATTCTCTCCCTGTGCTGAGATAGATTGTTCTCACAAGA	10455
AAATGTTGTGCTTACTCCGCAGAGGCGGATGGATCCACTACTTCTCCCCCCACTGCAAAATTTGGTTAAGATGT	10456
CTTTAAGAAAGAAAACTTTGGGGAAGAGTAAAAGCACTGGGCTTGGAGTCAGAAGTCCTAGGTTCTCTCATTTA	10457
TCTCTTGGGTGGGCAAGTGCAGTGAGAGGGAGGGTTGTCATCAGACGTGTAGTCCTCAAGCAGCATCATATCT	10458
TTCCTGATGGCACTCAGGATGCAGCTGGCAGAAATCAGTGTCATGTCACACTGGAACTCCCTGTGCCTGAACC	10459
CCGCCCCGCCCCCCCCACGCCCGGCCGGGCCCCTCCGGCCCCCGGAGCCCCGAGCCGCCTCCCCGCGCCCCGC	10460
CACCTTCGCATGGCTCTTTTCTATAGTTGCATTCATGGCTCAGTTCAGGGAATACTGGGTCTAGCATTAGGGA	10461

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Table 1. Novel miRNA sequences

AAATGCTCTTTGTCTTCCACTGAATGCAAATACCCCAAGGAAAGGTAGTATATTCATTAAGGGAAGGGATAAT	10462
GTGTGGATTGAATGTGATGATGCTTATGAAATAGGTAGTCCTACATTAAGCAATAATTATTACCATTATCACTGGTCTCA	10463
GTGTGGATTGAATGTGATGATGCTTATGAAATAGGTAGTCCTACATTAAGCAATAATTATTACCATTATCACTGGTCTCA	10464
ACTGGGCAGTGGTGCTTTGGGATGGGGTTGCTATCCTTCCAGGTGCCCCTTGTAATGCAGATAGGGATGGC	10465
TTAGATGCACGTTTTCTCATGGGAATAATGCTGTCGTAGGTCTCACCACTATTATATGAGAAAAAAGCAAACC	10466
GGGGCTTAATCTCTTGGAGAGGGTTGTTCCATACCAGTGGCCCTTCTACAGGTATTTCTAATGGTAGGTTCCAC	10467
AATGATATTCCATCTTCCCTTAATGTTGAGCACATAGCAGCACCACACAGGGATGAGTATATCACACTGAC	10468
CAGGTTTTGTCTGCCTCGTTTCCCGGTCAGGGAACCAAGAAATGTAGCATGACCAGCCGGAGACAAAACCTC	10469
TGGAGGGCGATTAGGGGAGGAGTGGGAAACTTCCGAGAACCGCTCGGGACTGGGCGCCGCGCCGGAGTGCGT	10470
CACAGCTGCTACCCGGTGTTCTCAGGACTAAGTGGTTTACCACACTGATGAAGCTCAGGTAGCCAAGGTGC	10471
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AAATAAAGCATGGTGAGGAAGTTGGATGTGCCAGCACTAGATGGCAAGCTGCAATTCAACCCAGTGGGCA	10473
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CTTTCAGCGGCTGGTACAAAAAAAATCCGCTGTAAAACCATTTACAATGGTACCAGCCAGAAATGTGATA	10475
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GGCAGCACTGAAGAGAGCAGGGAGATGCTCGTGGGAGCATCATTTGTAGTGGTTTCTCTGGTGGTAACTGCC	10484
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ATAAATATATGGAGGTCTCTGTCTGGCTTAGGACAGCTGGCTAAGTCTGATCGTTCCCCTCCGTACAGCCTT	10486
TTCACTGAGAGTTAAATGACAAATAGTATCCATTTACTGGATACTTATGACATGTCAGGCATAATGCTAAGTG	10487
CCACACACATGTGGGCTCATGTTCAGGAATATGCTAAATGCAGATGGTTCCTGAGTTTAGCCTTAAAAAACAA	10488
TATCACATTATTACTTTTGGCCATGTGTTATTTTAAATAGGTAGCAGAGGTCTTTCAAAGGTTTACAGAGGTA	10489
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AATATATTCACTCCAATATGTTCATGGATATATGGAGATAGATATGTAGAACTAAACTAGGCAAAGACGTTTCA	10491
CCATAGCACAGTTGTTCCTCAGAGTTTCACAGGTGGAGGTAGTATAGCCTAGTGGCAAAGGCTGTGTGTACTGG	10492

Table 1. Novel miRNA sequences

GTAATGAATGTGCTGGAAGCCAGCTGCTGAGTAGAGGAAGGTAGGTGGCAGGTGTCGTAGCACCAACAAAAGA	10493
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AATCTGAGTCATTGCCATGTTCGGTGGGTGGGGCCTAGCATTTGGCATCTCCAGGCAGGAATCAAGTTCA	10495
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GTGGCCTACTTAAAGCTAGCACCATTTGATGCAGTGTGACTGTTAACGGAAGGTTTTAAGTGAGCCGCCTTTG	10498
GTGAAGATGCTTTACTGCTGTTTTAGTATACAATATATAACAACATATAATTAAAAGAATAGGGTAAGGTAA	10499
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AGTGTGTCTGGGAGCCGGCATGAGAGCGTGGGGGAGGCCGGGGGTGGGGTCGGGGCGGGGTGGGTGGCGGACGG	10501
TACATCTCATCAGTCTAAGTATATTCTGCTCTAAAGAATGTCTCAAAGCCAGGTGTCACTGATTGGAGAGAT	10502
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ACACTGAAGCAAACATCTCCGGTCTATGTATCAGAGGGTTAGGGGTAGGATGGGATGGGCCACATAGCAA	10510
GAAAAGGGTGAGGAGTGGTACAATCTATGCAAGGCCAGGTGTGTGAGAAAACCATGGTACCTGAAAGCCTGGG	10511
CACATTTAACTTGTTTAAATTCAGGGTCTGTGTCACTTTGATTAAAATTTAAATGAGATCTAGGTGCCACT	10512
AAGAGCGGAGCGTGTGAGCAGTACTGCGGCCTCCTCTCCTCTCCTAACCTCGCTCTCGCGGCCTAGCTTTACCC	10513
ATAATGCATGTGCGGCATACTGGGAGGTCCACTGGGGAAGGAGACCCAGTTCAGCAAGTGAAATGGGAAAAG	10514
CCCAGCATTTCCGCAGAGCTCTGTGAGTGCTTAACTCACTTCTCCATGCATTGGAGTCAGCTATTTAAATC	10515
TGGCACGCGCTCTGCGCATGCGTACGCTCGCTGGCCCCGCCCCCTAGCGCCGCGGTCGGAGCCATTTCGCCG	10516
CGCCTGGGGGTTTTGAACTGTTTGGGTACAGATAACTCTTTTTAGTCTGGATACTTACAGTGATCCTGAA	10517
GCATTTTGTCATGGGTAAGATCCAGGCCATGGAAGTGAGTCAGGCAGTTTTTGCCCTGGAGATCTTCAGTAA	10518
TCAGTGCATGAGTGGTTCAGTGGTTCATTGGGCATCCTGGTTGAGGGAGGGGCTGGGTAACCAACTGTATTCAC	10519
GAGGCCTATAATTGGCTTCAAACTTGCATTGACCCACTGTCAAGCCAATAAGGCTTTGCCCTACATAACACA	10520
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Table 1. Novel miRNA sequences

GTCTCCCCCGTCTGCGGGATGTAGATATGTACACTGACAATTACATACTACAAATACTGTAATGGAAGTGGGA	10522
GATTATCTTGGTTAACCAGGTTTTGATTACCCAATGCAATCAAAAGGGTCCTTAAAAGTGGAAGAGGCAGGCA	10523
GGATAGGCAGAGCCCTGTACTGGGAGAGGTATCCAGTTTGAAGAACTGGGGTCCCTCCTACTCTAGTTTGCACT	10524
AGCAAAGAGTGCAAGTCAGATTATTCCAAAGGGAATAGCAGTTGACATCCTGTAGTGCCAAAACCGTTCCTAG	10525
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CAGGAAAAGTAATTCAGAAGGTCCCTGCCCTGAGGAGCCACCAGTCTGACCTATCTTAATTGCTACATTTTCC	10527
TCTTGCAATTTTTTTTTACATGTAAAGAGGATAGGTTCTAGCTACTCCATTCCATGTAATGGGCAAGTTTCC	10528
TTTCTTTTAAACGATTGGCTCCTCAAAGCTGAACACTCACAATGTTGTGCAGCCAATCTACAGAACTCTTTT	10529
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TTTAAACCTGCAATGGTGGCATGTGTTATTGTTCTCTTGGCTATAATTTGTTCAGGTGCTTTTATCAGGCAAGG	10532
CAGAGGTTGGCAACTCTGACCTATGAGCCAGTTCTAGTGTGAGGCCTGGTTTTTTTTTATGACTTGCACACT	10533
TCCATCCTATTTTTCTTCGAATACATCAATCACTTGACCTGTACTGTGTTTAATCGAGATTAAATGGGACACA	10534
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AGAGTCCTTGAAGATGCAGCTAGTTAGGATGAGGTCATCCTGGACTGGGGCGGGGGAGTAAATTCAATAAG	10536
GTCCTTTGTTTTTATTGGCAAGTGGATGAGAAAATAAGATCTAAGTGCTAGTTGTGTTCAGTGGTACAAAA	10537
TTTTGCCTTTAGGGGTTGCTGTCAGCCTGAGTGTTGGAAGAAGACATAGCAAAACTCACAGCAAACTTACAAGG	10538
GCTACTGGTCTCACTAGAGTGTGAAGCACAGTCAATAGCACCATTTGACCTCAGAGCGCACAAGCAACCCAGT	10539
TGTAGCTGGGGTTTTTATTTTTGTTTTTGGTTTTCATGTGGCAGCTTCAGGAATCCCAAAAGCAGCAAAGGT	10540
TTGATATCGCCCTCAGGGAGAGTGTTTTTTGTGTTGAATACTCTTTGTGCTTAACGAAATTGATTGCTCTC	10541
AGTTGGAACGGATCCTACTTCTACACCATGCCTTTGGTATTCAGGATCTTGAGGTTCCCTTACTAAAAGC	10542
CCCTCCCCCTGTGGGCTCAGGCTCAGGGAAATCCAGGTTCTGTCCCTGAGACCCTAGCTGAAGTTGTTGGAG	10543
GTCTCTATGGACTAACAAATCTAGGTAGCCTTTGTGGCACTAGATTTGTAAAAAGGTTTGACATGACTTT	10544
GGGAATGTGGCACTGAGATGTATTTTGTAATTAATTAGGTGATTATGATGTAGTAGATTGTATCAGTGCTTG	10545
GATGTCCATGTCTAAAAGGGTCTTGAGAGACTAAGTAGCAATAGCTAAAATCCAAACAAAACTTAAGTAGATAT	10546
CGTCCTTTACTAATTTCAGAAACAAGGCATAAATGTAATCATATATTTGTGCCATTGAAGATTGGTAACAT	10547
TCTTACATGGCATTCAGGTTGCTGCATGGTACGCTGAGTTTCAGGTTATTCAGATCCCTAAAAGCGAGAGAGA	10548
AACGGCATGAACCCAGGAGGTGGAGCTTGCAGTGAGCTGAGATAGCGCACCACTGGACTCCAGCCTGGGC	10549
AATACTATCCAGCCATAAAAATGAATGAGATCATGTCCTTTGTGGGAACATGGGTGTGGCTGGATTCCATTG	10550
GTGTCCTTCAGTGTCTAAATGAATGAATTGGTTCATCCAGACAGTGCAATGTTATTTGGCACTTAAGAGC	10551
ATGAATCAGAGTTTGTCAAATACTTTTACTCTTTGCATCTATTGAGATGATCAAGTGGTTTTTTGACCTTTGTTC	10552

Table 1. Novel miRNA sequences

TAAAGCTGGGAACAATACAAACTCGAGACTACCAAAGCTGGGAGAAAGAGAGGAGGTGTTGGCTGGAAAACTAC	10553
TTGTTCCCTGGCGGGCAGGGGCGGGGGACACAAGGTGCTCAGTGGGGGAGCTTCTGAGCCAGGAGAAGGAAT	10554
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AAAACATGGAAATAGCTGGTTGCTTCTTGACCAAAAAATGGAAAGGAAACTGGCTCCCAGGAATCCCTATGCT	10556
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GACCCAGCCTATTTCTAGCTTATCAAGTCACACTAGGCTTGAAGGGACAAAGAGTACATGCTGGCTTTATC	10558
TAAACTGAGGCTTGCCGAGATGACCCAAGCCAAATAGCTTCTAGGTAGCAGGGTAAGAAATAAAAACAGCTTA	10559
CCTCAGTCTATTCACAGCAGCATTTATGTCAATCATGAGTGTTAAAAGATGTGAACTTTTAATTTATAAAGCA	10560
TCTATGAGTTGACAAATATCACAGTGTTGCTGGGTATGGGATGCCCCAAATGTAGATATGGCTGCAATGA	10561
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CTCTGTATGTAGGTTTTACAGCTGTATTGGGCTGTTATAAGCCATGGCCCTTGAAAATCCTGATCTTTAT	10564
GAGTGTACTGTTTTGGATTTATTTTTGGTTTTGTTTTCACTCAGCCCTACAAGACCAGGATTGGAGACACTT	10565
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CGTTTCCTGTCCAGACTGGTCCCAGCTCCCACACTGAGCTGCGTGGAGAGCCAGTGAGGCAAAACAAGTGAGA	10569
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GTTCAAGAATGACCGCAGCCTGGAAGGAAACCCCGCGGTGTACAGCACTGACCTGCTGGGCGTGTGCTCCCTC	10571
GAGACATAGTCAAACACAAATACAAAAAGCCATCAAAGTGGGGGCTCCTGAGGCGAGCTCCTTCACTGTGCAGG	10572
CATGAATGGGATGGCCAATGTGAATCCCGCCAGCCGCCCTCACTACGCCTCCGCCATCCCGGTGCCTCGTGCCT	10573
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AGCCCCCATGTGGTGTACTGAAAACTCAAAAAACTGTGAGATATAGCCACTGCCCTTGAGGGGCTTTCAGTCC	10576
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CAGGGAGACCAATGTGTACAAGAGGCTGCTTCCATCCCCTTGCTGCACTGATGAGATTCCCCACTGTCAGC	10578
TGGGACCCTCAGAATTCACTCCTCCCCAGGGCAGAACCTTCAGTAAATTCTGTTGGTGGTGTTCCATCCAA	10579
CAGGCAGCAACCATTGGCTGGCAGCAGCCCAGCACCACATGCCCTACAGGCTGAGTACAGCCAGATACCCCA	10580
TACTGGTGTACCCGCCCTGCTCCACTGAATCCCAAAGCTTCTGAATAACATTCTGAGCTGTGTTCTTGCCAGG	10581
GATCTGCTCCTGGGGTCTCCATGTGACATCCAGCTTCCCGCTGGATCGTGGTGGGTCATAGCAGGACCCA	10582
TGTCACTGAATGAGGAGCTGGAAGAGATGCCCAGTAGCACACCATTATCTAGAGTTTCCCCCATACAGACA	10583

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Table 1. Novel miRNA sequences

TCCACTTAGGGCCTGGGTTAGCCTTGAAGCTCTCCCCTGAGGGCTGTGTTTCCAGCCTCTGCGTTTAATAA	10584
CCGTCTAGCTACAGGTGAGATCAGGTTTTGTTTTTTTTGAGACGGAGTCTCGCCCTGTCGCCCAGGCAGGAGT	10585
CCTCCTCACTGCACTTGGCTCAGGGACTACTGTAGGCCTAGTCTCCAGGGCATGCCTGTGTGTGTGATGT	10586
GCTTAGTTAGCATGGTGCTCTGGGCAGGAAGCAAAAGTCACAGCTTCTAGACCTGACTACTAGTGTCATTTAT	10587
GGCTTGGCCCTGTGACCCCTGGAGCAGGCAGAGGCTGATGAGAAACAGCACTGCTCAGGGCTAACATCAAAA	10588
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TAACAAGTCTTTATTGAGCAGATACTATGTATCAGGCATTGTGTTAGGTGTTTTACTTACATTCTTGTTAAT	10600
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GATGAAAATAAACCAGCCACCACTGGAATAGGCTGCAAAGGAAGCAGTACCTTCAGGGAAGGGGCTGTTTT	10602
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TAGCTTGGCAGTCCAGCAGTGTCACATCTTGGTGCCTTTGCTCACCTTGCTTCCTCTGCTCTGAATACCCTTC	10604
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AAAGGTGATGATGGCATGGGGTGGGGTGATAAGGCAGGGATGCCCCCTACCTACTCATTCCTACTCATTCATT	10608
TCTTTGCCAAGTACTGCACTAAAAGATGAACACAACTGACCTCACTTAACTTTTGGAGCAACGCTGCAAGG	10609
GAACTACTTTCCACACAGAGAGCAGAGCTTAGAGCTTCTCTCTATTAGCACCACCTCTGGCTATGGCATAGC	10610
CATGCAATGTGGAAATTGGAGAAAACTTTTATATTTAGTGCAATGTTCCCCTTCACATATTTTGCATTAAT	10611
TTAATTTCTCCAGGCTTTCCTGGGTGTCCATCTTTCACCAACCCATCAAAATGTTTGGCACAGAATTGTGATT	10612
AGCATTCTTTGAGCATAGTAGCACATCATGGTTATGAGATGCTGTTGCTATTGGCAGGCGAAAGATTGCTTA	10613
TTTACTGAGTCCCTGCCTACTACATGCCAGGAATCATGCTAAATGCTAAGGATATTCTGGTGAGCAAATCAG	10614

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Table 1. Novel miRNA sequences

CCTGCCTGCGGATCCCCGCCGGGCGCATGGGGCGCTTCGAGCCGGGACTGCGTGCGGGCCCCGAGGCCAGTTT	10615
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CAGCCCCGGTTCCCGCCCGCGCCTCTCCCTCCGCCCCTCCCGGCAAACTGAGGGAGCCGGCTCCGGCCTTGGCC	10617
AAAAGCTGTGTGGGTTGATTAGCACCTAGACGGTCAATCCCACAAGCATCTCAAACTCAAATACCCAAAACTG	10618
CCTCACGGCCACATCTCAGCGCTGGAGGTTCCTGGTCCCCGGCGCGCGGCGAGCTCCCGGGGCTGACGGAGGG	10619
TATTCACACAATGATGAAACTGCCTGAGGATGCATTCTCAGAATGTATTTCTGTCATTTTAAGTGATGCATGAC	10620
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GGTTATTAACCATGAATATAGTTCTGAGCGTTTTTAACAAAAAGGAGCAGAGTGGTCTCTAACTGATATC	10623
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AATTGCACCTCCCCTTTATAAATCTTTCCATTTATTTCTGACTCAGGTTTATGGGGAGGGTGAAGACCTAGC	10625
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GAGATGCACCAACAACCTGACTACCAAGGCCTGAAGTGGGAAGACAGACAGGGAGTGAGGAGCCTGTGGCTGC	10627
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CCAGGTGGAAAGCAAAAGGCAGTGACTAGGAGAACAGAAGGTCCTCAGTGAAAAGGCTTAGTCACACTCA	10642
TGCAAGAGAGGCTGGGAAGTGTAGTCTACCTATGTGCCCAGGATCAGAGGGAAAGGGTGTAGCAGCTTTCCA	10643
CCCCAGCCTTCCGAGTAGCTGGGTGCAGATGCATGCCACTGCACGTGGCTAACTTTAAAAAATTGTTTAG	10644
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Table 1. Novel miRNA sequences

AAAATATTGGCAATGGTGGCATGATGGATGATTTTTGTTTATTTTGGCATTTTTCTCCATTTCCTACTTTT	10646
CCTTGAGACAGGCAAGCTGAGTTTGAATACTCTTGGTATTTTTGCATATGCAGTAATTGTAGTTTTACCC	10647
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GCTAAGTTTTGGGATGCTTTGTTATGTAACAACAGATACCCAATGGAGTGACTGACAAATCCCCCCCAGTGC	10650
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CTGTTTTTCAGAGCTTCCTCCTCCGGAAAGGCCCCAATTCAGGGGGCGGACTCTGGGATTGAACTTCGCCTT	10652
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AGAGACAGGGTTTCACTGTGTTGCCCAGGGTGGTCTCGAATCCTGAGCTCATACAATTCGCCCACCTCAGCC	10656
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CAGTGAGGGTCACGGAGGATTCTGGAGTGAACCCTACATTTGTAGGATGTTGTGATTTCAGAGTGGTGGTGT	10659
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CTGTGGCCCGGCAGTGCCCAATCACAGCCAGCCTCAGTCATGTTGGCACTCTGCTGCAGCACTGTCGGCTG	10670
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GTGTCGCAGCCTGTCCCCGGGGGGGATTACAATGTTCTCCCTGCCGCAGAATTCTAAAGGTGCCTTGTATT	10674
GCAGTGGCTCAGGCCTATAGTCTCAGCTACTCCACAGACTGAGATAAGAAGATCGCTTGAGCACAAGAGTTT	10675
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Table 1. Novel miRNA sequences

TCATCAAGCTCTACACACACCCTCTCTTCTCCATCCTGACAGCCAGGCCCTTGATCTGGGGGGCAGCTTT	10677
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GTGCTGTGGGTAACATTCACTGCCTCCAGGAAAGCCAAGGTTGGTGGGTGCAGTGGGTGGGCGGGAATGCTGGC	10683
GACTTCTCGTGCCCATGAAGACTCCTGCACTTCCACTGCTGTTGGAAGCTGAAGGCCATCAGAAGCCCGCTGTC	10684
GCTCTTCAGTCGGGTGACCATGTGGGTGAGCCCCTGTGAGTCCCGAGAGGCCATTTAGGACATCCAGGAAGAGC	10685
GACTATCTGGACGGCTTCAATGCTTAGTTACCTAAGTAATAAACCCACTTACAGTGCTGTGCAGAGAAAGGA	10686
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TGATTTCATTCCTGTCGACTGAGAATAAACACAATCAATGGATAAGGCCAGTTGATAAGTTTGAGGTTAAA	10699
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ATGTTTTTATTATATTTTTTCTTGGGCTTCCACGAAGTTGGATAAATATATCTCTTTTTGGAACAGGAAAG	10701
GACTACCCCATAAACATGAGATGATAGGCAATTTGGGGGACGCCTCATTAGGAAGATCTCAGAGGACTGGA	10702
TTCCCAGAGATACTACTCAGCAAAACAGCCCTTACTGAGGTGAGCTGTTGAATAGTTCTTGGCCCTCTAAGA	10703
GCCATCAGAATTAGGTCCATTTTGAGATCCCTCATTCCCCTGGGAGATTTGGTGGGCGTTATCAGCATCGC	10704
AATAGAGAGAAGATTTAGCTTATCAGTCACTATCCAGCATAGAGAATTCTGCTGACAAATTTCTCTCACCAA	10705
ATGCTGCATAAAATATCACTGAGTTCATGATATCTATCTACAAACTTTGAAGGCTTTCATGAATCTCAGACTG	10706
TGTTCCAACTGGGAAACCTGCCTCTTTTCACCACTGAAGTATGGTTGAGACAAAGCACTGCCTAGATATGT	10707

Table 1. Novel miRNA sequences

AGTGATGAAAAGGGTGCACATTTTGGAGGGAGAGGCATTGGAGGGCAGACTCCAACTTTGCTATTTCCCACCT	10708
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CAAAAGAAATGCTGTGATCCTCAGTCTAGAGAATCTTAGGCATCTTAGGTATAGTAGCTGATGAACACAATAT	10731
CAGTGCATTTGAATTATTCATTAAATCACATGGATCTTTAAATGCATAATCATATTTACCAATTTGGAAA	10732
GCCGCGCGGACGTGTCCGGCCAATCGCTCGCCCCGCAGTATCCCCGCGTCACTCGCAGCCCGGGCGGCGC	10733
CCTGAGGGGTAAGAATACAAGGAGAAGCCAGCAGAAGAATCACCTCTCCTGATGCAGCTACAACTCCCAC	10734
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CCCTGTGAGCACCGCAACAGCCCCAGTGGAACCACCATCCCGGCCCCGATGCAACTGTTTCCCCACAGGGTC	10736
TTTCAAATCATTTTAGTACGGAGGTGTGCGGACGCCTGTGAAATATTTTACATCCTGCATCTTTCCTTTTGAGA	10737
AGTCCTTGGGGTGCCCATGGGTCTGTTTGGGGGGTCCACATGTGGGTGTCCTGGGTGATTTATGGGCGGGCTTC	10738

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Table 1. Novel miRNA sequences

CAGATGCATAAACCCCAGCGAAGGGTGAGCGCACGGCATGGCACCTGCAGCATGGGGTTCACGTTCTGGAA	10739
CCAGGCCTCAGACAGTAGCATCACGGCCACGCCAGCTGAGAGGTGCAGGAGAGGAAAACTGAAGTTCCTTAC	10740
GAGAGGACACCAGTTTTCCTCCATGCAGTAGTGACAGAGAGCCATTGAGGATTCTTGAGGAGGGAGGGGACTG	10741
TTGCTAGGCTCTTCCTCAGGAAATGCTGATTCCTGTCTAAGGGAAGATGCAATGTCTGCTATAAAGAATA	10742
CAATCCACTGCATGACTGGGCGTATTACTCTGAGCTCCAGCTCCCTTCTTATGCTGGGATCTGACACATAAAA	10743
CCTGGCTCCCCGCTGACTGATGTGTGATGCTGAAAAATTATTGGCTAACACTGTCTGTGCCTCCGTGACCCC	10744
TTTCCTGTCTGAAAGCATTATTACTTTTGTCCATGTGGCAAAATAATTAGCATACAGATGAGAAGTGGCCC	10745
CCAGTCATTGCACTTGTCTTAACTGCATTTTGTGTGTGTGTGTTGAAAACTGATTACAAGTGTAAAGAGATAT	10746
TGTTAATCGTGCCGGTCAGGATCTCAGCGGAAAACGCATGGCACCTGCCACCGTGCATCAGAGGCACTGTTC	10747
GGGACACAGAGCAGACGTGTAACTAGTCAAGCTCCCCGTGGTCTGAGTGGAGGAGCTGGGGGTTCACACCAG	10748
GACACTTAACTGCTGCCCTGTATAAAATTTATTTGTAAGAATTTTGTCTTAGGCAGGGTGCGGTGGCTCA	10749
TCTGCTGTCTGCTGACTGGACTCTGGGATGCTTGTGAGGCAGTTGTGGGGTGGAGCAAGTAACAAAGGCTTT	10750
AAAACAGAGGCCGTAGAGGTGGTTCATTTGATCATAGCTCAGAAAAGATGGGTTTTGTAATTCTACAGCT	10751
CTCTGAGGGCGCTGGGGGTGCTGAGGGGAATGGGGACATGTGTTTAATGCACCCAAAGTTTCAGTCTGGGA	10752
TCAGGCTACTTGATCCTGAAGATGTATTGCTTTAATTCATCATTTCCAGGATAAAAACAGCAAAGCTCTCC	10753
AGTGGAGCATAGTGAAATCAACAGCAGATTCTGTTTGTTAGATGGTGTTGGGTTCACAAGGCTCTGCTCTTCC	10754
AGCTTTGGAGCTGTCAAGCAATTACATGACTTGTCCAACGTCACATAGCTGAGAGACTAAGGCACCCTTCCC	10755
ATGGTGTGTGTCATCCACCAACAGGATGTCCCAGGCTTGGTTTCATGCTGACGGTGATTTATCAACACTGTA	10756
TAGGAGTGAGGGTGAGTATTGAAGAGCTTAGCTTGCAAAATTGGCTGTTCATATCTGCCATCCTTTTCAAA	10757
AGGAAGCAGACCTCAAAATGCTCTGAAGATACTTCATGCCAGCATTTATAAGGATTTTTTTCTGCATTGCC	10758
CTGCAGCATCCATAACTGGAAGAAGCTAATGCCATGTCCGTGGGAGTCTAAGGCTTTGTCAGCAGCTGTTCT	10759
AAAGCTATTTTTTCCCCAGAAACAATAGTGCAGGTGCATCGCACTTCAGTGTGCAACATATTCATCCTGGG	10760
TTTCCCTTCCACACTGCTGTAGCAGAGGTTCTCCATGAGGGCTTAGCCCATACAGCAGACTTCTGCCTGGA	10761
TTACCCAGCCTGGGGCCTTGCCACATACTTACAGGAAGAGGCTCGACTCTGTCGCAGGCCAGTGAATACCAT	10762
CTGCCACCACATTGCCAGGCATTTCTTCTGTCCGGTGGGCTGGGAAGAGTTAGCAGATCCTAGGGAATGGTG	10763
CTTGGCATATTACAAAGGCTGTGTGATATAATACCCAATAGGAAAGTGTAGTGGTCAGGCTCCCTCAGAAA	10764
GAGGGAGACCCCGTCTCTGCTCCCTGGGTTTGCCCTAGAGTCTGGGCTAGGGCTGAGGGTAGGGGTGGGGCTT	10765
GGGAGCGGCGGGCGGGGCTGGGGCGCGGGATACCTGCGGCCGGAGCCGCCGCGCAGGCCGCCTCACCTCCT	10766
AGCTAGGTGTGGTGGCAGGCACCTGTAATCCCAGCTACTCGGGAACCAGCCAGCTCCCACAGTTGCCCACA	10767
CATTCTCTTGGTTAGCGTAGAAGTAACTGCGCTACAGTAACTGACCAACAAAAGTGCCTTCCAGTTCAAA	10768
TCTGGAGGTCAGAAGTCCGCAGCAGGTCTCCCCGGGCAACAACTGGGGCACCAGCAGGCCATCTTCCTTCCGG	10769

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Table 1. Novel miRNA sequences

CCTGGCCATGGAGCCTGAAGTCAGTCCTATAACTGTTTGGATTCCAACTGACGGCTTGAATACAGGTTCAGC	10770
TGTCACTGTCTCCAGCAGATCGTGTGAGTGTGTGCCTGCATTCTCAGAGTCGGCTAGGTTGCTACCACGCA	10771
TTGTATTTTTCAGGCTGTCAGTAATCCAGGATTTTTGGAGAGGGTAGTGAATGCAGGAGAGAGGCAGCAGCT	10772
TTTGTGCCCACAGTATTTCTGGCTCTGGTTTCCCAACAGCCAGATTACACCAGGTCTGGTATGTTTCAAGTAC	10773
CAAATTTAGCGGATGACCTGTAGTTTGTCTGGCAGCTCTACCCCCCGGGTTTCTGAAATGGCAGGTCTGTGCT	10774
GCTGCTTTCTTATTCTATTACTCCCTTTTTACCCCATGGTTTTTGGTGCTATGATGGAAAAACTGAGCTGACA	10775
CGGGGTTGGCGGCGGCGCGGGGAGGAGGGGGCCGGATTTGGGAGACCACCGCCCGTCCCCGTCCCGTCCCGG	10776
CGGGGGCGCGGGGCTGTGCGGGGCTGCTCGGGGCGGGCACTCGGCGCCCGGCGGGGAAGGTGCGCCCCGC	10777
ATCACATCACATTGCACTTAGCTCTTGCATCTCTGTCCATACACAAGACTGTGACATTGATGACAGCAGAGGGC	10778
CTGGGGTTGTGGTATCTGAGGGTTGCAAAGTGTCAGCGCTGGAGGAGCTGAGTGATCACTCATCTGACCTTCCC	10779
GTTGGGCCTTGGTGGCTCAGTGGTGGCCAATTCTGAACGCAGTGGACACGTGACTGCCTGGGTTTAAAAC	10780
TGAGCAGAGCAGACTGGCTGATAATTTATGAAGTCTAGATTATGCCTCCAGCAAAACTGCAAAAGGCAACAT	10781
TTCTAGAGTTGACTGAACCTTTGGATTGAATGGCCCACGTAAAATCCTTCCATAATGGTGATTTCCATTCT	10782
CTTAACACGTATTTGAGGCCCAGTTCTATGAACCACTGGCCAGACAAGGACTCCAGCCTCCCAAGACTGAAGA	10783
ACATTAGCTACTAACAAGAGAGTCAGCCTGTCCTTTGGGACTCTGAAGCCAGGCACTGACATTTCCTCTCTAGC	10784
TGTTGTGGGGGCTGCCCTGAGTAATCCAGGATATTTAGCAACATCTCTGGCCTCCACCAGCCAGGTGCCAATA	10785
TTTTAATAGATGAAGGTCTCACTTTACTGCCAGGCTGGTCTTGAACTCCTGGCCTCAAATGATCTTCCCA	10786
ACTTGACTACATCATCTAACCTATCATGCAACATACACCTAAATCCGGTTTTACCAGCTTGTGGTAGATGATGT	10787
AGCTCCTGGGGCATTCTCTAGTTTCCAGAGCCCAGAGGCTGAGCTTGAGTCATTGAGTTTATGGCTTCAGGGGC	10788
AGTACATGGGAGCTCTGGGACTCTGGGATTGAACATTTCAACTCCACAGACACAGAACTAGAAATTGGGTGCT	10789
TATCTTTCTGACTGCTCAAATATTTTCATAAGAATGTGATATGTGTTTATGAGCAGTTTTCATTGACATATA	10790
GAAGGTTGAATTTCACTGGGGACCTAGCCCTGTCTGCCTAAGAAATTACCTGCCTCCTGTCGCTATCACCAG	10791
AGGGGTCCCTCTCTGGGATCAGGCCTCCTCAGCCCAGAGGCAGCAGGTTCTTACCCAGTTAGGATTATTCTA	10792
GAGCCAACTCAATCTTGGCTCAGTTCAACAGACTCTTATTGAGTGTCTACTCTGAGCCAGCAACTGATTG	10793
TCCCTCGCAGAGACGTGGGGCTCTAGGGGCTTTAATAAGATGTTTGAGGTCAAAAGGGTCAGGTCTCTGACTGG	10794
TTCATTTAATCCTCACTTTGAATCCATGTTGGAAACTCCATAGCAACATGGAGTTCAGGTGAGGATTAAATGAG	10795
GTCACTGAGAGTTTGAGCCATAGGTGTGAGTGTTGGCCACATCCCTAAGATTAGGAGTAGCATCTCTCAAGA	10796
ATGGGACACTACGCCACTACGCCTGGCTAATTTTTGTATTTTTAGTAGAGATGGTGTTTCACCATGTTGGCC	10797
AGGGGGCTGCCTGTGGTGTGGTAGTTTAGGACAGATGGACAAGCCTACAGCCACCAAGTCACCAACTCAA	10798
AAGGGATCCAGTTTCAGCTTTCCACATATGGCTAGCACTATATGTGTCCAGTTTTCCCAGCACCAATAATG	10799
CTAGCACACATGGATTTCCTTAACTCCTCACAAGCTAGCATATATGCCCCCTTGCATCTGTGTAGGAGTGAAGG	10800

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Table 1. Novel miRNA sequences

GCTGTGTGGAGCACTTGAAGAGTGGGTAGCTCAAATTGAGATATGCAGTAATGTGAAATACCCAGCAGATTTTG	10801
ACTTTTGGTGTCTTAGTCTCTTTTGAGGGGCAAAAATAGAAAAGGAGAGAAGATGTCAGTATGTTTAGTAAA	10802
GCCCAAGAGTAGTAGAAGAAGAATTTGGCCCTAAACTCCAGTTTTCCCAAGAAGCTCTATTGCCTCTCTT	10803
TCAATGACATTATTTCTTTGTGGAGCTGACTTTTAAGCAGCTGTTAGCAGTTGCTGTAATAAAAAACAAGAA	10804
TGCAGGGACTGAACCATAAAGTAGTGACACTGTTTTCATAGTTGGAAAGAAGTGGGCTACATTTGTAAGTACCT	10805
GGACTAATGACACATGTTGCCATGCCTGGCTAATTTTTTTATTTTTACTTTTTTGGCAGAGGCAGGGGTGTC	10806
TTGAAGAGAGGACCCTAGCAGCCATGCTTCATTGCACAGCCTTCGGGGGCCCTGAAGCCCACTGGCTGATGG	10807
TGTTACGCAGAAGGCTAGCAATTCTTTCGCTGGAAACTCCATCATCTAACTACGCGAGGTTGAGCAAGTTGC	10808
CAGCCTTTTGGGATACCTGGTTTCAGAGTTGGGGGCATTCTTCTCTCCCTGACTCGGGCCAGGTGTCTTTTC	10809
GGAATTATAGAGATGCTCAGAGGTTTGCATCTCTATAAAAATGAGATGCAAAGTGAGTTTATGTTTGTAACTC	10810
AATCTGGCTCCGTGGGCAAAAGGACTGAATAGGGTCAGCTGTCTGAGCTGATGTGTGTGAAGTTTTTAGGTTA	10811
CATTCCAACCATTTCAGCCTGGTTAAGAACCATTGCTGGGGAACTAGTGTAGTTATGTGGAAGAATGAAA	10812
ACCCTACCAGTACTATGTTAAAATATGAGATTCCCAAATGGAATGCTGGCATAGACTGATGTATCCTGTAAC	10813
AATACCTCACTCCTTCCTACAGGCAGATATCCTTCTGAGTTCATAGTTTTGCTTGTTCAGAGGTTTCTTT	10814
CGAGGCTGTGGGGAAGGCCAACAGCGCGGTATTGCGGCAGCTGCTGAGCAGATGCCAAGCCTCCAGGCAG	10815
GATAGTAGCACCATTCAGGGCAGACATTCTATGCCTCATGCGGCAGGTGCAGCAGGAGGCTGCTCAGAGGT	10816
GCTGCCTAAAGACCAGGAAATGGAGCAGCCAGCTGTGCTGGAAGGCCCAGTGTTCAGACACCTCACTTTACAG	10817
TTTCCTCCTTCTTACTCATGGCACTCATGTAAGTGCTACTTCTGGAGTGGTCCCAGCCAGATAGGTGCCTGG	10818
TCAGGCTGGAGACTATGTGCTAATCCATGCAGGACTGAGTGGTGTGGGCACAGCTGCTATCCAACTCACCCGG	10819
TGGTCCGTGGTTTCATAGAGGTTGTCTGACTCTGGTCCTGATGCTCCTCTGCCCTAAATCTGACCAAAAAGT	10820
CAACAAACATTCTCATAGCACCTATCATGTAGCAGGCACCTTTCTTGGCCATGAGAATATGTGTTTTTTTTT	10821
GACTTCAGGCTGCCCTACCCAGAGTGTGGCTGGTGGGGCTGTGGACTCAGCATCACCCGTGCTCATCAGGGTGG	10822
CGGCAGCGCCTCGGGGCCCGGCCGGAGCGCGATCTCCCGCCGTCAGGCCCGGGATCCGACCGGGAGAGGCG	10823
TTCCAGACATCTTTGGGGAGAATGAATGAACCCTCACACAAGCCCCAGCCATAGGAGTCAGTACCAGGTGCC	10824
AGAGGGAAGAAAGATGCTCTGGGTTGTTAAGGGGACACCTTTGAGCCTAGGCTTCCTTTGCTTGTTGGGAAG	10825
CTGCCTGGAAGGGGATCATCAGAGAAAGGGCCAAGTGGTCAGGTGTCCTCAGCAACCCCCCACCCATGTGAA	10826
GTACATGTGGTAACGTGTTTTAGAATGTTTTCTGCTTAAGCACACGATTATATGCTTGATTTTTAGAATCTT	10827
AAATGGGTCCTGGGCTTGTTTTGGTGATGGTCAGGCCATAACTGGATGAGGGTGGGGGTGAGGTAAATCGGGAC	10828
AACGTTTAGTAACTTTTCGTAGTGTACTGATGAGAAAACCGTTACCTTGCAGTTACTCATTAGCATCACCA	10829
TTACTCAAGAAACTTTTGCCCAGGGTAATGTCCTAGAGAGTTTCTCCCAGTGTTTTCTGATAGTAGTTTCATA	10830
AAAAATAAGCTTTAAAATAAGCTGCTTTATGTGTGGATTTGTTTTTAGCTTGCTGAACTGACATTGTGCTA	10831

Table 1. Novel miRNA sequences

CAAAGGTTCCTTCAAGTATTTCAATGCTCACAGAAGTAGCTCAGTTCAGCAGGAGGGAAAATATTTTTGAA	10832
ACAGGCCTGAGCCACCATGCCTGGCCCTGGATAAGCATATTCTTGAACTGCAATGGTTTATACTCAACTCCGT	10833
ACGCATTCATCTTATTCAGTGGTGATGTCTACAATGTTAAAGTTGCCACAAGATACACTGAAAGCAACATTT	10834
TAATGAGGGGAGCAGGCCTCCTGGGGCTGTGGCAAATTGGACAGCCTGGGCCCAAGCAAAGGGGGCACCCCCCA	10835
CAAGGTGCTGCTCTTGACTCCCTGGTGAAGGCAGTCTGCCTGTCTTGGCTCAGTTCAGCACCAATCACCTTG	10836
GGCCAGGGAAGCAATTTCCCCTAAGTCTTTTAGCCATATCTGAAGTCCCCACATTTCTTGTTGCCCCTGCC	10837
AAGCCTGGCTGGAGAAGGAATTGCTGGGCCCTGGTCCATTCCACCAAGTCACCATGCAACTTCTCTAGGGCCAG	10838
ACCAAGCAAAGCACACGGCCTGCAGAGTCAGCCCTGATGGGTCCCACTCTGAGCTGCCTGACCTTGGAGAAGT	10839
GTGTCCCTGTCATTAGCAAGGCATGACTGTCCCCGAGGGTTTGACACAGCAGGCACAGGCAGGCAGGTGGGCAT	10840
TCCCGAGAACTTGGAGGTGTGCCCAAACAAGTATCAGCTGCAAACATGGGCGTCATGGTCCTCTCTCACCTAC	10841
CAGCTGGCTTGAATTTCTCCTCAGAAAATGGGGTTTTTCTTTTCTATCACATTGCCAGGCTGGAAATTTT	10842
TGGCTGTTATTTGCTAGAGTTGGATCTGTACCTATTTAGATCCTAATTTAGGGTTTGGCACATTATGGCT	10843
CTTTTGATGGTCAAAGATGATGCCAGGTGAAATGCCTGGTACATAGTGAGAACTCAATAACTTGTAGCTATT	10844
GTATATCCTTCCTTTATCACATCATTGAAGATCTTTGGTTTTACAAAGATATAAGTGACTGATACAAGTTTGG	10845
AAGCAGCAATACAACAACCTTCCCATTGATTAGCATAGCACTGCCCAGGTTGTCAGTGTGTGAAGCTTATA	10846
GCTGGCCCGCCCACGCCCCGCTCGAATTCTCGCTGGGCCTCAGCCGCCTCCCCGCGGGGCAGGGCTCGGGACC	10847
TTCTGGTGCAATGATGATGATCTGAGCCATGAAAAATGTGTTATTAGCACTGTCAGTTTACATTCCCCACCAGA	10848
TATTCCCATCACAGCAAGAAGGCCCAAGTGGCCAGAGCAGCATGGGCCAGGGCAATGATGGGAAATGAATCTG	10849
GGGTACTCTAGGAAGCATGCTGGAGGATGAGCTTAGTTTGCAGGATGTCTGCTAGAGAAAACCCTTGGGATC	10850
AGATTAAGTACAAAGGGATGTGGAGTCTACTATCCGCTCCGCTGGAAGCTTGCTGAGTACTACCCAATAATT	10851
GACTAGGGATAGATTTGGGGTTATCCATGCAGGTGACTGTTAAATGTGGAAGTAAATGAGGTTACTTAGGGGG	10852
CAAGTTGGCAGTGTCTTGTAGTACCACTTTGTTTATAATAATATGGCAAAAGGTATCATTATTGGAATTGCCA	10853
GCAACACAGTACAGTGGTTTAGTTTTGAATTCCTGAGCTAGGCTGCTTAGGAATCCCAGCTCTGCTATTCTT	10854
ATTATTAGAGTTGCCCAGGGTTGACTGCTGACTGGTGTTTTTGCTTGTTTGTTCCACAGAGGTCTCTCTG	10855
TTGGCCCACACTGTCTTCTAGCTTGTAGGGTTTCTGCAGAGAGATCCCCTGTTAGTCTGATGGACATCCCT	10856
GTCAAGTGTGTTTGCTGCCATTCACTTACAGACCTTCAGTAGTCACTGGTATGGGGCAGAGATTATCTCTTC	10857
GTGGCTTTGCTAAACATTTTTAGGTTGCAAATAATGAAATCAAGATGAGGGGCAGAGAGAGAGAAAGAGAG	10858
GCAGGATGGAGCCAGCAGGTATAAAATAGCTATGTTAGATACTGGTTAGCGTCCTACAGTGCAAAAAAACT	10859
CAATTTTGACCAGTGGAGAAGGCAACACCTTAAGGAGCAGCATGGTACAGGGAGGAAAGCTCTGGGCTGGGAG	10860
GCTGTCAGGCCCTCCATGCTTGGAATAGTCGGGATCTGCTGACTTGACAAAATGGGGTAGGGGCTGGGCCACA	10861
CCAAAGGAAGCTAACCAAGGATGAGCGGTTTCAGGCTCTATTTATCTGACCGATTGGCTCCACACTGGTGGTA	10862

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Table 1. Novel miRNA sequences

GCACCATCACAACCAGTGTCATAGTCAGTTTATGGGATGACACTGCATGAAAGTGAAGAAATGGGAGCTTTTT	10863
AAAGAGGGAAATTTGGACACAGACACACACACAAGGAGACTGCCTTGTGAAGACGAAGGTGGAGGTGGGCG	10864
ACTCACGAGAAGCTGAATTGACAATGGCAGGGAGGAGAGGGAGATAAATTGAAGCAAGAAGTCTTTCTGCTCTC	10865
CCACCCAGCTAATAAGTGCAGGGCCAGGATTTGAATCTGAATAGTCTGACTCCACAGGCTCTATACAAGTGGC	10866
GACAAGACTGACTCCTAGAGTGAGGATCAGAGAGTGTCCAGTTTTCCTGAGAGTCCACTGCTAGCCCAGGTCAG	10867
CTGCATATATGTAATGACACTACCAAGTCCAACCAAGGTTTAAAGTGTTATCAGCTTGGGCCGGGTGTGGTAG	10868
GGGTAGCCATCTGGTTGAGATGAAGCACTCTGGCAACTTCCTGTCATTAGAGCCTAGTCTCCCTTAGACCTGG	10869
ATATGCTTCTGTTACTCTCAAGGTTACACTTCACCTCTGTGAAATGCCTCTTTAGGTTTTGAGGGAATCATG	10870
CAAAGTGCTAGGATTACAGGCGTGAACCAATGTGCCTGACCTTAAGGCCAGTATTTTTTTCACTGCCTGGCT	10871
TGAGACCAACCTTGATCACTGTAGGATCCCAAGCCCTCAGAGTGGGGCCAGGCCTCTGGGGTAGGCCCTCG	10872
CTCCAGTTCTCCTCAGTCCTCTTTACAGTGAACCAGATGGAGGTAAAGACCAGATGGAGGGGAAACCAAG	10873
CCGATTTTTATTGTCCCCTAGAATGTTCCCTCTGTGGTGAAGAGATAGTATTGAAAATACTAGAGATCGGCTGG	10874
AAGGGCTGCAGCTCTTTTCTCCTTCTCAAGGTCTGCAGCATGGCAGGCAGGAGGGCATGTTTCAGCCCTGTTT	10875
CCACTGGTGCTGAAGGTTGGCCGAGGACCCGGCTTTCTTCCGCAGGCGCGTGGTGGGCTGGCTGTGTGTGATT	10876
AGTGTCCCAGACTTGACCAAACTTGACCTAGAACACTCCTTCCCATTGTAGGTCATGGTGAGAGAAAGAC	10877
CCTGGTACCTGGTTGATCCCGCCAATAGAAAAAATAATAATAAACAGCCTGTGGCTGTACCTGGGCATTAAGCC	10878
CTCTGTGTGCTTCTAGTGCCTCGTTTATAATATAGAGACAATGATAGTACCTCGTAGGGCATTAGGATGAA	10879
ATATGTACATATATACACATATATATATACACACACATATATATCAAAGGTGTATATATATATACACACAC	10880
GGCCTCCTAGGCCAAGCTCCCTGTGTGCCTCCTGGACAGTGTCCCTGCAGACTCCTGAGTCCTCACTGAAGGTC	10881
ATGGCTTCCTTCTCCCCAAAGCTAAAGAAAGGTGCTTTGGGAGTGGCAGTGTTTCCTAAATATAAACCCCAT	10882
ATTCTGATGTATTTGTATGACCAAATAACAAGTTACATGCTCTCCATTGCATGGTGGTGTGTTTTGGTTA	10883
GTTTCTGGTCAGAGATGTCAGTTGTGGTTTATGGTCATACTGACATTAGCCATTAGGCTGATGCCCTTTGGG	10884
TCAAAATAGCAAAACCCTAAATCCAGCTTTAGATTTATTGATTTGTCTTTATGGGGTTTTGGTTTTTTTTTT	10885
AAGAAAGGGCGTCCGCCGCTTGGGGATCCCGAGGCGAAGCGCGGCGGCGGCGGCGGCGGCGGCTGAAGAG	10886
GTTATTTTAATGGTGCAGAGGGAGCTCTGCTGCCCTTGGATGACTTCCCTATCTACTATCTAAAATCTGA	10887
CTGCTCTTCCCGCTGTAGGCATAGTCTGACTGCAATTACTTAAGAGACCCTAAGGCAAAACCTCTAGCTGAGC	10888
AGCATCAGATCTTCTGGGCTCATCATGGACCTGGGGCCTGGTCCTCAGCTCATTAGGTCAGCCAGATACA	10889
AGCATCTTCACAAAAGTAAGGATCTTCCATATAACTGTCAGTGGTGATTTATAGGATTTCACTGTGTGAGATG	10890
CCTCCTTCTTTTTTTAGTTTGTGACCTTATTGCAGTGACAAAGACCCTCAGTACAATATTGAATAGAAGGGGTG	10891
ACAGGTGGGGAGGCATGCTGTTACCCTGGCCCGAGAGAGGTGGTTTCCAGCAACTGGGCTTTTAATCTTCTCAC	10892
CCAAGTGACATGTTAGTTCACAGTGGCTAAACTCATAAAAGGAGGATTCACTTGTGCTGTTGTCACTATAGG	10893

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Table 1. Novel miRNA sequences

AACTCTATTTTTTTCACATTCGTATATTAGCATGTATATGTGTGGGAGGTATAGTTCTGAGATGTTTATGT	10894
CAGAGGCATGCTGAGAAAGCGGAGGTTTAAGACTTCAGAGTGAATAAACTAAAAGAAATAAAATGACTTCTGC	10895
CCAGGTGAGAGATGAACTGTGCATAGACCTTGTTGTTAACACTCTCCTGGAAAAAAGAAGAAGATCATTTCTG	10896
CACTTGAGCCCAGGAGTTCCAGGCTGCAGTGAGCTATGATTGTGCCATTGCACTTGCTCCAGTCTGGGTGACAG	10897
GCTGCATCTGCCCTGACCTCAGCTCAGTGAGTTCAGCCAGCCCTGAACCAGCTTTGGTTTTGGCACAGTAGT	10898
CGCGGGTCTGACCCAGAAATACCCCAGACCCTTTGGAGCTGTGGGAGTAGTTGCAGGGTCCAGGACCCATCA	10899
TCCTCTTACGTATAAAACCTCTTTATACGTAAAGAGGTTTGCTTTAATCCCACTTCTGACACCAATCTGCTT	10900
GAAAATAGCTTATCAGACGGGCACCGTGACTCATGCCTATAATCCCCGCACTTTGGGTGGCTGAGGCGGGTAG	10901
ACATGCACTGGGTACTCAGCTAAGGGAGGGGGCATCCCTTCCTCCCAGCAGCAATTCATGAATTCTCAGGGAGC	10902
CATTACTTAAGAGGGGCCGAATGATGATGATGACTGACAGCCCTTCAGGGGATTTATCTTATTTCAGCCTCTGT	10903
CATTGTGCTCTGTGTGTTTGACCCCTTTGAAGGTGTCTTCTGCTCAGAACTTTCACCCAGTGTCTCACAACTGC	10904
AGTATAATTATTACATAGTTTTTGATGTCGCAGATACTGCATCAGGAACTGATTGGATAAGAATCAGTCACCATCAGTTCCTAATGCATTGCCTTCA GCATCTAAACAAG	10905
CCTGCTCAGTGATGTTTTTGGTGGCTGCCGAGGCAACTAAATTGACCTCCTAATATTTTTCTAGGGGTGG	10906
GATGTCGAGTCCAGTTTTTGAGTGGTTTCATTTGTCCGTGAAACAGGGTGAGGTGCAGCTCACAGAGGAGT	10907
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CTTACCTCTGCCCCTCCTGCAAATAACTCCTCACCTAGTCAGTGAGTTGCCACTGATTAGGGGGGAGAGT	10909
AGTTTGGTTCCAAGGCTAGCCCATAAAAACCAAGTCTGTCATCACGTAGCTGAGCTAAAATCCAAACTGCTT	10910
TTCATTATCTGTAACAGTGTGCAAAACACCATCCAAATGATGCTTGCTCCATGCAAACTCTTGAGATCCTGAA	10911
ATATATATTTCTATGTGTGTATACATATATATGATGCTACATATATATGATGCACATGTCAATCATCTTA	10912
TGTAAAAGCAAAAGCATTGGAATGTTGTCCTTCTGAGGGGGTGGGAGGCAAGATGCTGGCAGCTGAACACCTT	10913
ACGGTCTGGTGAATCAATAGGCAATTAATACATACGCAAGTACCTGGTTCTAATAATACTTGTACCAGAT	10914
CTGTGACAGACAAGTGCGTCAGAGGGGACCAGGTGTCCCTTCCCCTGCTCAGCCTTCATAGGGCAGAAGATC	10915
ACATCACCTATGAAGAGATCTTTGGCTTTGGTCTTGGATAAACTATTCAAGTAATTCAGGATGTGATGGGTG	10916
GGCTCAAGTAAGCAGCCCTTGGAACTGGAGTGGTTAAGTTAAATAAGGGTGTTGGTTGCAGTGTTCCTCCT	10917
CTGAATACATGTAAGATAGCATGACTGAAATGACTAAGCAGTGGTCTAAGTTAAACTGCTAAAGAGGCTTGCA	10918
GCATTCTGGTAGGTATTGGGAATGCAGCACATAAAAAAGACAAAATCCCTGTCCTCCTGGAGCTCATATTTCTC	10919
GTTGACTCCTCCTATGAAGAATGGTATGCTGCTCTGACATCATTGCTAAGTCCCAATGGCATACACATGGGA	10920
ACTTTTTATTTCTTTTCCATGTATAATTGCACTGGCTAGGATTTCCAGTGCTGTGTTGAATAGAAGTGATAAG	10921
TGACTAGTAGTGGTGAAAGCGAACATCCTTATTTTGTTCCCAATCTTAGGCGGAAACCACTCAGCCATTG	10922

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Table 1. Novel miRNA sequences

TCTTGCCCTGTCACCCAGGCTGGAGTGCAATGGTGCGATCATAGCTCAACTATAGCCTTGAACTCCTAGGCT	10923
CCCAATGTTTACCTTGCGACGACGTGAGCAAACAGTAGCAGCAGCATTTGGCCATGTTTGTTGAGCCGGCTTGG	10924
AGCCACATGGTAACTACTTAGTTCAAGGCAGAGTTAGGACTCAAACTCATCTGACTGACTCCAGTGCCAGTGCT	10925
AAATTCATTTTTCTTCTCCCACCCTTTTCAGATAGTTCCATTTTGTGGGCACATTAAAGGTGGCATGAGAC	10926
AGACTTATCCCAGGTGCTGTGGGGGCATAAAGATGAAAAAGGTATTCCCTGTCCTCCAGGAGCTTGTAGCCTAA	10927
CAAAGCTCTTCCTGCCAGCCACTGCTATTGTATAGTTTAAATCTGGTCTGGCACAAAGCTGACCATCTTTTG	10928
CACTCACACAAAATGTTGACCAGTAAAACATCCAGTGTGCCAGGAAGACCCTGGGTGCGGCTTCTCAACCCA	10929
TGGGCTTCGCTCCGCCCCTGAAGGACCGTCCACCTGAGAGCGTCTGGGCTGCTTGGCCGATGGGGGTTGGGGG	10930
CCTGGGGAGCCCTGGCAGGCCAGCGACTTAAACTCTATCTGTCCATCTGTCCCTGCCTGGCTTTCTTCAGCA	10931
AGTAAGTATGGGCGGCTAATATTTTTTTAACACTGCAAGAAAGCAGGCACTATTATTTGGGTTGCCTATA	10932
CATAGCCTGAATGCATAGTAGTTGAGTCCTGCATCCTCGCACATGCTGGAATCAAAAGAAGGAAGGGTGGTG	10933
CATTTAAAGTCTCTTTCTTTCAGAATTTATAGTATAACATAGTTCTGAGATGAGAAGTTACTGTAGATGC	10934
GATAAAGGTCTAATTTCACTTGTTTGCATGTGGATGTCCAGTTTTCCCAGGGCCATTTGTTGCAGATTGTCCT	10935
TGAGTGTATCAATGAACAAACTGTCTTTTCAGAGTTCTGTATTTTCCAGTCATAGTCTGTGATATTGAGCTCA	10936
GTGAGTATATTCTGTTGACATAGCAGATATGAGCTCTGAGGTTGGGTTAAGTGTAAAGAAATTTCTCACC	10937
CCAGAAGGAGCTTATTTGGGATGACAGACTCTAGAACCTTCTGGAGCCAGAACAAAATCCCGAGAAAGGC	10938
CTTGGGTGGTGCTTGCAGGACTGGGGCTTGAGCGGGGGATGAACCCTTGCGGCCCGTTCTGAGAAGCAAGT	10939
AGAGGAAGTGGGAACCTGGCATCAGTGAAAGGCAATGGCAGTTCCTAACACTGTCTGGGAACCTATGGCTCTG	10940
CACTTAAGCCCAGAAGCTGGAAACTGCAGTGAACCATGTTCATGCCACTGCACTCTAGCCTGGGCAACAGAG	10941
CAATTCAGTAAGTACACGATTCTGGCTCCTTTCACTGGGGAGCCATGAGTCTTTCCAATACCTGCTGACA	10942
GGATCCACATTCGTGATGGGGTAGCCCCTGAATCTTTAGAGGATTTATCTCCTACATGCCTTACCAAGGTCTCC	10943
CTCCGCCTCCCGGGCTCCGCCAGCAACCGCCGCCGGGCCCCGCCCCTCGGCGCGCAGCGCGCCGCCGCCCGTAG	10944
TTTTTTTTTAATCTAGGAAGCCAAGGAAAACCAGCTGAACATATTCCATTGGCTGCAGCCTTCAATTTAAA	10945
GCCCATGCCTATGTCCTGAAACGGATTGCCTAGGTTTTCTTCTAGGGTTTTTATGGTTTTAGGTCTTACA	10946
CCACTATTCAATTTATGTACCTCACAGGAGGCCACACCCCGAGTGTTACAGCCCCCCAGGAAAATAAATAAA	10947
AGGAAGCTTCCCTGAATTCAATTTGTGGGAATGAGATGCACCTGCTTAGAGCTCCTACAGTGCTCACCTCTA	10948
TGACTTGAAAACTGCTCCCCCACCCCTACACCCTCCACCACGTTCCCGTAGGTCTTGTGGGGGTGGTCAC	10949
GAGTGACCATTATGTACCAGGAACCATTTTAGGTGCTTTGTGCTTATTAGTTATCTCATTTAACCTTTGCA	10950
TACATGTGCAGAACATGCAGGTTTGTTACATAGGTATACACGTGCCAGGGAAATGGACAGTTTTAATGCATAT	10951
AAGACACACTGACAGTGACCATACCCCTCTTCCCCAGGGGTGATTTTCTTTACATGCATGTTTTCGCTTGAAC	10952
ATTAAGTCACATGCTAATTCCTAAATCAGTTCCTGTTATCAAGGGAATTTCAGTTGCTAATTGGCTGAGAC	10953

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Table 1. Novel miRNA sequences

CATCTGGTCCAGCTGCAGCCTTGCGTGGCGCCAGCACCAGTGCCAGCACTGGAGCTGCCTGCCCTACCACAGC	10954
TTATCCTCTCCTAGCTCCCCAGTACCTCCACTCCATGGTGGCCTGGGTGTAGTGGCAAGCTGAAAGGACC	10955
TCAGTAGACATGATATGACTAAAGATTGATGGGGAACTGGATAATCACATGGTGGTGAAGTATTGCCTGACA	10956
TTATCCATGTCTGTGAAGTCATAGTCTGACTCCATCTCTATCTTCACCTGTGGCACCATGAACACTGGGTTC	10957
GAGGACAGGTTCTGTGTTGGTTTCTTAGATGTCTTTTTTAGCCTTCAGTGCACATGGCCCCTTGCATATAAT	10958
AGCTCCAGCACCTGTTGCGCGGTGAACGCAGTGCGTGACTTGCGCCGTTTGCGGCCGAAGGGACCAGGGCCCA	10959
TTTCAGTGTCTTAGAAAATAGACCAGAAAACACAGCTGTTCATTGTGTCTGCCTTTGATAACTGCATTAA	10960
GTAGTATCCAACTCCTGACACCATTTTCTGTATTAGCCAGAAAATACTAGGCGATGCTATGGTCAGGAATA	10961
CTTCAGCCCAGAAGAGTAACACATGTCTCCTAAGAACTGTATTATTGAATCTTCTGGACACTCAAGGAGGTA	10962
AGCCGTCTTTCCTCAAAGCTGAACACTTACACTTCCTGTGTCAGTTGGCAAACAGCAGATGGCAAACAGCAG	10963
GGCCATACTAAGGATGCATTTGACAACAAAACTCTCAAAAAGATAAATTGAAGGTGTATCTCTTTCTTGGCT	10964
ATGGTCTTTTTCCTGTGAGAAAAAAGATAGAATTCTTTACAAGGATAGCTTATAGGATGTGAGGATCTTATA	10965
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TGAACAGGGGTCCACTTACTTGGTGCAGTAAGACCAGATATCCACGCTGACCTTTGCAGCAGGAAAAAGG	10967
TTCTTTCTAATCCCCACCCAGCCTGACTGGAAAACATTCCCAGTCAGATTTGGTTTGGTGCAACTGACTAGGGG	10968
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TTTAGACATCCTGTGGTTTCTGGAACATTTAAAGTATTGAAGGATCCAGAAACATTATATCAAAAAACTT	10970
GTGAGGCTGGTCTTGCTCCCTGCCCTGCTAATAGCACGAAGTTTAGATCCAGACAGCCTGCCTGCAGAACA	10971
TGCCCTCCCTGGAGTTCTAATAACATGGTTGGTTCCTCTGGTAACCAGTCCTTAGCCTAAAGCTAGGCAGGG	10972
TGGTTAGTTCCGTATGTCCCCAGGCCTTACCAGTTGTGAAGCTGGTGAGTCAAATAGTTTTCAAAACCTAAA	10973
TGGCAAGATGGATGTAATTGGTAACCTTGAGATTTGGAGGGTCTGGAGCTTATTCAGTTTATGGGGACTTCTAT	10974
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TCACCCTCTGGGCTGCTGGTCACCATGAGAGGGCCCTGACATGTCCACTCCTGGGTCATGCACAGTGTCTGCAG	10976
CCATTGGCTCAGTGGTTTATCTTTATATCACTATCATACTATAGTGATGTCTGAATCACTGTCGTTTAACATT	10977
GGCTGTATTACTCACATAATATTTTCCAGGGGCCATTTTGGATGCCCCAATCATTGTGAAGTAATTAAAAGGCC	10978
TGGGAGTCATCAGAGGCTATTCGATGGGACAGTGACATGATGTCATTCATATTTGCGAAAACCATTATGGCT	10979
TGATTGAAGTTTCTACTGACCAAGGGGCCAGTGATTATTTCCTTGGACTGTGGATTCAGGCTCTGTTTTTT	10980
ATCTCATTTGATCCTTACCAGATCCTTGTGAAGCAGGCTGAGCAAGGATTGTTTTCTGAATTTTATAGAC	10981
GTCCCTGGAGTGCCCTGGGCAGGGGATTTTTGTTGGGCATCTCTCTGTAGACACCTTCACTTACACTCATAG	10982
ACCACGAAGGGCAAAGTGGGGAGCCTAGACCCTCCTGCTTCAGAGGCTATTGTGAGGTGCCCCCAGACCT	10983
TTGGGTGAGAGATACGGGTCTAGTGTCATTCTTCTGCAAATGGATGTCCAGTTTTCCCAGTACCATTCATTGAA	10984

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Table 1. Novel miRNA sequences

TGGGTCCTTAACATGTAAAGTTAGGGTTTTTTTTTGAGACTTTTAATTTTCTTTATATAGGCCTTTATGGCT	10985
TGTAGTAAATTTCCTTGTGTAAGCATATTCCTAATTAGATAATTAGGAATTCAATAAATGAGTTATATAAATT	10986
TTTTCATTTCACCTTCTAGTCAGGTGCAAATATGGGTATCTTATACTAGGAGGTTACATTAGGAATGGATACT	10987
TGGCACAAATAGTGATGGACAAGTGCATTGCTCTAAAATTCTTGTTGGCTTATCATCACAGCATTTGTTCCAT	10988
TGAGCATTGTGAGGTGGATGATGTGCTGCATGCTACAATCCTTGCTTAGCCACTGCTGCCACCACTTCAACTGT	10989
TAAAAAGGCCAGGACCAAGCCTATCTGTTTATGGGGTTGTGTGGACCCATCTAGACATTTTCAGTGTCTTGCTT	10990
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CCACTGTAATAAGATAGATATGTTTTTTAATTTGTGCACCTAGACCACTGGGGCTCAAAGTGATTACTAATATA	10992
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GAATTTGTACTTTAACTGAGATGAAAGTTCAGCTAGAGAGTTGGAGTTTAAGAGGGGAGAGGAGTCATCATTT	10994
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TATCTGGGCTCTGTTTCGAAATAGTCTTGGGCTTAGGGGTGGATGAGCAAGGAGTGGGTGGGGGATGGATG	10997
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TGCCACTTTACTAATCCCTGAGCCATGAGATGGCACAAAGTTGCTGTGAGGATTAAGAGAGATGGGGAGT	11002
GGATGACTGGACTGCGGCTCCGCGGGAAGATGAAGGCGACCACTGTCTTTATAGAGGAGTTGTCTCTTAT	11003
AGGCATTCCAGCCAAGAGGTGGCAGAGCCAGGGCCAGCCTGGCCTGAGGACTCTGAAGCTTCCACAGGCACA	11004
CAGAAAAACATGTATATCTGATTTGTTCGTAGCAGGTTTATTCATGATAGCCTCAAATCAGAAACTGCTTTTGT	11005
AATGTTTGTGCCCTCTCAAAATTTACATATTGAATCTTTAAACCCTAATGTAGCTAAATTTGGAGACAGGGC	11006
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TTCAGGCTCTGCAACTCCTGCCGTAGCTTGTTGGTATACTGGGAGAGCAGGCGCAGGGTGGGAGTCATGCC	11008
GCAGCCACAGGGCTCCCGGGTGCTGGCCACCCTACGTGGCCAGGTGCTCCTGGGCAGGGGCGTGGGTGCTAT	11009
GCCCTGAGGGAGAACAGTTGCTCATAGCGCTTTGAAGGCGAGTGGGGGGCCTTAGTCTGAAGTTTCTTTTTACC	11010
AGACAACCCACTTTAGAAATGAGAAAAGGGCCAAGTGTGGTGGTAATCCCAGCACTTTGGGAAGTTGAGGTG	11011
TACAGAGAGAGAATCTTGAGACTCTAATTCAGCTTTTAGCTTATACTCAGTCTTAAGAATAGAAATCTGTGCT	11012
AAGCACTAGGCTTTGGGGCTCTCTTCTCAGGCATCCTCCTCAATTCCCAGAGGAGGGACCTGAGACTCAAAAC	11013
CAGCTAATTTTTATATTCTTGGTAGATATGGTTTCACCATGTTGGCCAGGCTGGTGTCAAGCTCCTGACC	11014
TAGATGTAGGGCAACTCTCTCCTGGGAACATGGTCACCCAGACAGGTTGGTGGCAGGGGGAGGTTGACCATGTC	11015

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Table 1. Novel miRNA sequences

CTTGGTCCTGGGTGGCCCCGGAGGGGGCGGGCTGCCGGGAGGAGGCGGCCTCCCCCGCGGGCGAGTGGCGCG	11016
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CAGTTCCGCTCGCTCCCTCCCCCGCGCTCCCGGCCCAGGACTCTGCTCGGCGACTGCTGAAGGAGCCTGTGG	11019
AAATAGTCCCCTGGGTTGGGGGGCAGTCCTTCGCCGCTGCCTTCCCCCGGCCCTGCTCCCTCCAGGCCACTG	11020
AATGATGTCCTGACCTGAGTCCTGTGAGAAACACTGTTGAGTTACTTCACAGTCATTCCACACAGGAGAAAAGG	11021
GCTGGTCACCTTGGGCTTGGCCATTCTGGAGTTACTGCTCCTGTTCTCTCTGTTGGCCTTGCCTTGTCCCTGC	11022
GAGGACTCCTTTCCACCTCTTTTGCAGGTTCTCTCCTGCAAGCTAGCTCCCACACTCTAGGCCGTATCTTCA	11023
TTTAACACCTCCCGAACAGCAGGCTGTCTCAGGCTGTGCAGCAGAGATAGCTGGAGGCATACCTCAAACACC	11024
GAGGCGCTGACTGAATTCACTGGGCATGGGCGTGGGCATCAGGCTGTGTTCAAGCTCCCCAGGAGATTCCG	11025
CAAGTGGCAAAGCAGTTTTGAAGGTTTCATGGTTTCACTGGATAGCCGGTCACTACATATTATACAAAGTA	11026
AGCACAGCTTTACTAAAATACACTCTGCCAACAGCAGAAGGCCCTCTGAGGTGAGCAGGTGGGACGAGGCTGG	11027
CACTCCCAAGCATTTCAGATAAGAGATACTCAAATCATTAAAGTACTTATTGAGACTATTAGGTGGGTGCTAC	11028
CACCCCACCAAAGTGTCTCAGTTTGGACAATAACCACAGTTATTATCCTTGGGAAAGGACATTTGGGCTCTG	11029
TGCCTAAGTATGTATGGCAGAATAAGCTCTTGCTGTCTGGACGGTAATCTGCTCTTGGCCCCTTTTACTGGC	11030
TAGCTTAAGGAGGTGCTTGGCAGTGGTTCAGCCAGTAAAAGGGGCCAAGAGCAGATTACCGTCCAGACAGCA	11031
GCTATGGCTCCCACCTAGAGACACAGCCCTACAGCTCCCACGGCCCTGGCGGAGCTTGTCTGTGTAACACAGC	11032
AAAAATAACCCCAGCAGCTGTGGGTTCAAGTACCCCAATGGCAGGACCGGCCCTCGACTCATTGTTGCGACT	11033
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CTCCCTCCAGCTACTGAGGAATGATGACAAGAAAAGGCCGAATTGCAGTGTCTCCATCAGCAGTTTGCTCTC	11035
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AAGCCCCAGATGAACTTGGACGTTATGTCTGTCTTCGCTCTTTGAGGCGGGGCCCACTGTATTCTGGGGT	11037
AGATCTTCTCCCTCTAGGCAAGATGCTGGAAGCTTCTCCTCAGGGGAATTAGATGGCCCAGGAAGAGAAA	11038
TCACTGCCCCCTACCCTTTGGCAAGCTCCACTTTTGATAGCGCTGATGTGATAGCAGACAACGTGTAATTGCCA	11039
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CCCAGCTACTCAGGAGGCTGACATGGGACGATAACTTGAGCCCAGGAGGACATCATGTCTGCAGTGAGTTATG	11041
AGGAAGGAGCAGGACCGCAGCTCGAATACAAGCTGAGCTGACAGGCGGTCGGAGTGCTGCTCTGAAGTGG	11042
GAAGCAAGGTTAGCAAGAAAGTCCTGAGAAATCTCGGTGTCAATTTCCTGTGGGTTCTTTATTTTTGCGTCA	11043
TGGTGACCCAGCCAGGCTCCAGCACCTTCCTGCAGCCTTCCCCAGGCCAGGAGGCAAAGGCAGGTCAGCAGT	11044
AAACCTGGAGTCCCATGAGTGCTGCTATTGTGCCATTAGTCAGGGGAGCGCCTTGTCAGCCTCTAGGGGCTCC	11045
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Table 1. Novel miRNA sequences

AGCTCCATTATTACTTTTGAGGGATAGCTATGTTGTTAACTTAAGGTCTAACTTAGTTGATTCTAGAAGTTGTG	11047
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TGACTTGGGGGCAGAAAGGAATCTAGGAAGTTGGGTGGCACATCTGCCCTGTGTGGCCTTCTTACCTCAAG	11051
AAAGGCCCATTGAGTGGAACTGAGAAGGACTAGCCCATCAACAACATTTTATGGGGTGGACTCTTCTCAGCCCC	11052
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GTCACCAAAGAAAAAGGCAGAATGGCCGAGCGGCTAAGAACCTGGGCTTCGGTCTCTGCTATTTATAATTGTG	11054
GGGGGCAAAGTGCTGTTATGTAGTGGTTGCCTACTTCTATACTGCAAACACTACCAGCTATGGCCAAGTTGA	11055
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CATACTGCAGCATCTATGCTAGAAATGACCACAGTGTGGGCTCCACCGGGCCCATTCTGGGGTGAATTGGGCAT	11057
GAAATATCTGATTTACGAAATACCCCAATAGGTTTTTTCAATTGAAAGCAAAACCTATCTGCGGTTTTCTTT	11058
TTCTTCAATGTGGCTTTGCTAATATCAATTAGAATTTCTCAAAAGTTACATTACTAAGAAATCAACGGATAAA	11059
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TGGTTATGACCTAATGCTTGCTTGGACCGGTTCAGGCATGCCAGGGCAAATATCTAGGCTAGAATGTGGGAGCT	11063
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GGAGGGACCTCTAGGCTGCTCTAAACAGTAATACCCCAAATAACATTCTATGGGGGTTCTCCTTCAAGACCATC	11065
GGTCCAGTGAGTTAGGGTGGGATCGCTGGGCCAGTGTACCTCTGTGCTCCCACATTTCAGCCCACATTCCAGC	11066
TAGAAGGGCCATTTTATTCTGGGCAGGGTTGAGGCAGGGACTCTGTTAGGTCCACAGGAGAAGAGATGGTGG	11067
TTTATCCTTTTGCTTTATCTTTTTGCGGCTCTGCCCAGTCCTAAAGTGGCAATGGTCAATGTGGTGTTCTGCAA	11068
CCCAACCCCGCCGCGCCGGGGAATGGCTGCGAGGTCTCTCCCCTGAAGGGACCCCGCGCCT	11069
TCACCTCCTCCTCCAATATTTAGCATTAGTTAATAGTTGGAGCTGAACAAATGCCTGGTGAGTTGAAAGTA	11070
TGTGTCTGCAGGTGCCTGCCACCAGCCCCAGTCTGCTGCACGGGCCCTGGCAAGTAGAAAGCACTTGCCT	11071
GGGGTCACCGCCCCCGGGGAGCCGGGATGGGGGTCACCGCCCCCGGGGAGCCCGGATGGGGGTCACCGCCCC	11072
GAATGGCTGACATCATCAGTGCAGGTGGGATCGTGTGTTTTTCTTCCCCTTGGAGTGCTCTGCTATTTTATCTC	11073
GTCCCCACGCTGTAGTCTTTTATATCATTGCCCATTCAGTTCGCAGGCATTGAGAGCATAACTAGTAGCA	11074
AAAACCCAGTGCGATGCGGATGTGGTGGAATTGTATGCATTCGTATTGAAAAGGGTATGAAAGTGAGAAAA	11075
TGCAGTGGTGTGATCTTGGCTCACTGCAACTTCTGCCTCACGGGTTCAAGTGAGTTTCGTGCCACAGCCTCC	11076
ATTTGCGTTGTGACATACCTATATGGTAATGACTGTTTGGTGGGTATTTTCAATGTTGATTTTCCAGAGTTG	11077

Table 1. Novel miRNA sequences

TTCTGGATACATTTTGTAGACAGAGCCATTAGCATGTGCTGACTTACTGAATACAAAGTGTGACAAAAAGAGG	11078
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AGTTTCTTGTACAGGTCCACAGCCCCGTGGGCTGGGAACCCCTGATGTGTTCTGCTTATCAACTCTGCCAATC	11081
ATCTGGCAAGGAGGCCATGATGAGTGAATCGACATTTGACTGAATCTGGCCGTTTCTATATATGGTGCCCAGC	11082
GACCGGTGTGCCAATCAATGCAATGAGAAAGGGCATTCTCACTTATAAGATGGTAAACAGCCTTGGAATTT	11083
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GAGGAATACATACCTGATCTAGATTTCACCTGGAATGTCACCTGAGATCAGTAAGTCAGATACCCCACTTCT	11101
GTCGGGGGATGATGTTGGGGGCTCGGGACGGCGGGCAGGAGTTCTTAGCACTGCTCTCAGCTTTGACACTGGC	11102
GGGCTTGTGCTTTTCACCAACGTTTCATGGTTGCCATGGAGGTGGTGGGTGGAAGGGGGAGTGGTGAAGATGTA	11103
TAGGGGCTAGAGGCCTGGATCTAGCGGCTTTCTTCTACCTCTCCGACTCTCCCACTCCCTACCCCCCACCACC	11104
GTGGTTCTGTTAGCGCTAGGAGGAATTCCATGGAAGGAGAACGAGGAGATATTCCAAGATTTTAGTTAGGGCT	11105
TGGGAGGTCGAAAAGTGTTTGTGGGACGGGACGTCCGCCTGGCCCTGGCCTCTGCTGACCTCTCTGAAGAT	11106
CCTGCGGCCGGCCTCCCCTCTGGCGCTGACGCAGGTAACCTGCTGCCAGCCGCACCACCTTCCTCCAGCTAGG	11107
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Table 1. Novel miRNA sequences

CCAGAATGGTCTTGATCTCCTGGCCTCGTGATCCGCCCGTCTCCGCCCCCCAAAGTGCTGGGATTACAGCC	11109
GGCAAATGGAAGGTTCACCTGGCAAACAAACATGGCATCAGAAGGCTTCCCTTCCATTGTACAACCTATT	11110
CTAACTGCGACAGACTTAGAGGTACAGTTGCTTGTTATGACAGGGATGTGTGTGTGCTGT	11111
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GCGAGATTCTTCTGGGTTCTGGTTTGAGTTTTGTTTTGGGAAGGGCAATAGATTCTGGCCCCTGGTCTGCTAAT	11114
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AAAGATCTATTGTAAGGCTGGTCTAGCGGTAACAAACTCCCTTAATTGCTTGCCTGGAAAAATATTT	11116
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ATCTTCAGGATCAGGGAGGGTCCCTGTCTGCTTGGGTAGGGTGCCTAGTGACCCCTTTGAAGACTTTCCATTA	11133
GTACGTGAGGTAGTAGGATGTGCACAGCATGGGAGGCCAGGGCCTGGTCTATATCCTGCTGTGCTCATTT	11134
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CTCCTGATGGGTGGCTATGGGTGTCTGGCTCAGGGACTCCTTGCTCATTCCTAGTGGGGGT	11137
AATGTAAGTGTAGGCTGGGCTGAGCTGTGATGTTCTGTGCGTTAGGTGTACTGAGTACATTTTCAGCTGATT	11138
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Table 1. Novel miRNA sequences

TTGTTACCATCTGCTGTGGAAACAACAGTTTTGCCAGCATAAATCCATATGGCTAGCTCCTCCCATCTCACAGT	11140
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AGTATTAGCAATATGATGGTATGTTACCTCCCCACCCCAGTAGGGAGAGAACCTGTACAGAAATAACCAT	11142
AGCTTCCTGGTTCCTAGATGGTGGCTTCTTGCTGTGTCCTCACATGGTGAAAGGGGCAAGGGAGCTCTCTG	11143
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ATGTTGTTGTTCAAGGGTCAGTTGTAGTTTATGTTGATCTATAGAAATACCATCTGGCACCTATCAGAGATGT	11161
TGATGATAACTTAAGGCTGCTTTCAGTTTATGGGGTAATAACTGTAACCTGGGAGAAATAAAACCTAAAGCTAT	11162
AACTCTGGCCAGGTACTGTTTTTTCAGGAGGAGGTGAACAACTTTAGCTCCAGCCCCTAGTTGCTGGGCTC	11163
CAAAGCTACAGAGGCAGAGCTGTGCAAGGCTTTGGGAGCTTACTCCTTGTACCAGTGTGCCCTAGGTATAAGA	11164
CATTTTGTTTGTTTGTTTGTTTGTTTGAGCTCTAGTACCACCATTTAGGGCTACTTAGATATTGAATCATTCAG	11165
AAAATTGAGTCAAAGATGTATACCCTGGGTAAGGATCGGAGTAGCTAGGGTAGTATCTAAATTTAGAAAATAT	11166
CAGTGACTTTCAATTCTGCCTTTCTATCAAATAGAATTTTTATGGTTTTGGCATAAACCTTTGAAAAGCTGGAA	11167
CTTACTGGAAGCAACATGCTGCTTTTTCTCCAGAAAAAAAAAAGCATGCAATGTAGTAATAATAATGATGAC	11168
CCTTGAACTCCTGGGCTCAAACACTCCTCTTGCCTTGAGGTAGGCAGGACTACAGGTACACCACGATGCCCAG	11169
AGAGAAAGCAGCTGCTGAGATGAAATGTGTGCCAACTGTCTGAAGACAGAAACATAAGAAACATTCCTTCTGT	11170

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Table 1. Novel miRNA sequences

TCTGTATACAAGATTAAAGGGATAAAGCAATTGGTTTTATTCCACCCTAAAAATGATAGATCAATACTACTG	11171
TTAAACACCTCTAATCTGAATAGTAATAATAATAATAATTATTATTATTACTGAGTTACAGATGATTTGGAA	11172
AAAGTAACTCATGACAATTAGGAAGATGGTATTCACCTCCTCCTTGGTATATACCATCGCTTTGTAATGGAG	11173
GCCAGGCCTACTTCTTGATGAGGGTTTTGATAGCGGTGTCCTTTAAGGAATGGAAAGGTACTGAGTTACTGA	11174
GTTGCTTTTAGAATTAGAAAGATAGAGGACATAAAAGATAATACAGCAATGCCTTCTGAAAGTGACAAATAAT	11175
TGTGGCTTCTGGTACTGGCTCTCTTCAGCAGACACAGGGTGTTGCCCTCATCCATGAAGAGATGGTCCAAGTTA	11176
TACCATTTAGACACCTGATCTTCACTCCAAACCTGCCAAATTATCATCTCTGGGATGCAGGCCCAGGGATCTT	11177
TCCAGAGAAATAATTACAGGTTTTATTTATGGATGGTTAGTACTTCCCCTGAGTAATGCCTAGGAGATCA	11178
TTCTTATTTTGTAAAAGGGAATGCTGTGGTTTGTAATACTAGGCTATTGTCTAGTTTGATTCAAAGCACCCT	11179
TTGTACACTATTTCTTTGTACAATAAAAGATAAAGTGTGCATTAGGTACGCTTGTACATGACAATACTGTACAA	11180
GACTTTGGCAGTGGCTTAGCTGGTGGTTCAGTCATGATATTGCAGTCCAGATGTTCGTCAGGGTCATCCAAAAG	11181
CAAGATGTCTTATTTAAGGGGAACGAGTTGGTGATCATAGTGTTATTAATATAGCCTTGAAGTAAGAGCCA	11182
AGTAGACACAGGTGGGAAACTGTTTAGACGGGCTCACATCACCCCATAAACAAATAGGTTTGGTCCTAGCCT	11183
TGCTAAAGAACCACCTACACATTTTAAAGATGCAAGTGGCCACCCTTTGGCCAGTATCCCTAACTTATGCA	11184
AAACCAATTGTTTTTTGTATACATGTCTGCTAAGTTGATTAGCTGTCATATATACATAGTAAGAAAGGTCA	11185
GATAGTGGTCCAGGGTGTGAGAGCCCAATAAAGAAGGTGGTTGGATAGTTGGAGCTGTGAGCTCTGGAGT	11186
TATATGGTTGTAAATTACCTAGGGATTGAGGTTTGCAGGGGGACTTCAGCTTTCAGTAGCAAACAACCTTGTG	11187
GATTATAGACTACATATAAATTTGGTTTGGCATCTTTTTCCAAATCAAACTGAACTGGTATTCTGTGAAAC	11188
AGGTAGAGAATAAGGTAGACATTGCCAGGGAAGCCCTGGCACCCTTATACCATTTCTTTTTCAGCTTTTT	11189
ACTTCCTCCGTCCTCCTCCTCCCCCCCCCCCATGCAGGCGACGCCGAGTGAGGCTGAGGCTGGGGGCGAA	11190
GTAGAGGACTCATTTCCAAAGCGAAATGGTTTTTGTGATCTTCAGGCAGGGGAAAAAAAGGAGCCACTTCA	11191
TGCATCGATGTACATCAGGGATATTTGCCTGAAATTTTCTTTTTTTGTTGTGTCTCTGCCAGTTTTTGGTAT	11192
GCCAACATGGTGAAACCCCATCTCTACTAAAAATTACAAAAATTTTCCGGTCATGGAGGTGTGTGCCTGTT	11193
GGATCACCCAGAAGCTGCTAGCCAGTTAAAAATTGGAACAGCCTTATGACAGTGTAGCTAAGACAGTTGCTTGG	11194
CTCCCAGTAGGAGGGATGGGTCAGAGTCCAACCTATAGAGGCAGTCTGACCATGGTCTGCCAATGCTGGTGT	11195
GATGGTAATCTATGAGGGAAGGTGAATAAGCAAGGTGAGTACCGTGACCGTACCCATTCTCTGCCTGCCGTG	11196
CTGGGTACAAGTAACACAGATGGCCCACCCCTTTGTCTCACTGTTAAACACCCTGTACCTATCCACTCCA	11197
CCGTAGCGTTCAGGACTAAAATTCTACTGAAATCTTTGCTTCTAAATCAGTAATATATTCGGTGGTGTCACGT	11198
CTCTGTTCCTCTCCTCTGCTTGCTGCATGGCTCTTCCAAGTATGTACATCTGGGGAGAACGCACAACCCCATT	11199
TGGCAGATAACTCACAGATGCCCCTTCCTTCTCTGGAGAATTGCTATGGACCAACTAGGAGCTGCCTCTC	11200
GGTAAAGAGGTAGTAGGTTGCAGGTGACCCATTTTTGCTGTGTCTCTAAATGTTTGTGCTTTGTCCTGCTTGCC	11201

Table 1. Novel miRNA sequences

TCAAATACCTGAGGTTTCCCAGGACAGGCTCATAAAAGGGAGAGGGCCCTGGCAGCCAGGAAGGGAATCGTCTC	11202
AATGCAGAACCTAGGGATAGAGTTCAGGCCTAGACACTAAAGTTGGTGATTCGCAGGCCAATGTTCTTTCC	11203
TTCACCAGCAGCAATGACGTATTTTTCTGCATTATGCTCGTCCTTGGCAGAGGATGCTTCAGCTGCTCCCT	11204
TCAGTGAAAATAATTTACTAGGAACAAATTAGGACACTTGTATCCTGAATTAATTTTTTAAGTATTATTTTTAC	11205
GGGAACAAAGCGCGTTGCGGCGGCGGGAGGCAGGCCGGTCTTGCCCCCACAGGCTAGGCTGCAGCTTGGCCCTG	11206
AAGGGCTGAAGCTCTTCTCTCCTTCTTGTCACTTGCAACATGGCAAGCAGGGGGGCATGTTGCAGCCCTGTTT	11207
GATGATCCTGGGGGTCACTAGAAGCTCTACTTGGGATCCCACTTCTGACACTGACTGTTAAAAACTTTAGGCA	11208
AACTGGAGTTCTTGGATCGAACAGTAGTTGCGTTTGTCAGGTTGTCTCCAGCTGTATTGCTTCAAGGACTGGC	11209
TGGCCCAGGACACTTACAGTACAGGTCAGAATTTGGAGGCTCCAGAGCTACTCAGAAATGTGAATGACTGGACT	11210
CTGTGGCTAGAGGTTAGCTCAGGATGCCATAGAATCACAAAAGAAAGGTGCAGGGAGGTGTAACATAGGCACAG	11211
AGTATAATCCTTTAAAATGGCAATGGTATAATGAGTAGAACAGTTAAGGTACCATTTAGCTGCAAACAGGA	11212
ATACACCAGTTCAGATAATTATTTCTTTTTAAAACTCTGAAAAGTTTTTTTTTAATTGAAGTGGAAAAAGA	11213
AGGACACACAGAGCACAGATTCACTAGAAGCATCAAATCTTCTCTGGAGAAGTAGCTCAGTTTCTGCATTAC	11214
ATTACAGCAGTTCCACTTAAGAATTTTTGACTTTACGATGATGCGAAAGCAATATGCATTCAGTGGAAACT	11215
ATTTATAGCTTCAGTCTCTGATGTGAGGCTTGTGACTTTGCCTCCAATGGCTGACTTGAAGATTTTACCCAT	11216
GAGAATAGCTTATCAAGGTGGCAAACTTCAATGTTTTCTTGTCATAAGAAATTGCCACAGCCACCAAAACCTT	11217
TGCCACACTGGATAAGGCCACTACCCCCGACCCTTCTTGTCAGGGACATGGCTTCCTAATAATGGTTTTGC	11218
TCTGCTTATAAGAGGAGCTACTATTAAGAGCCTAGTGAGTCAGATTCATTATAGGTTTTATATAAGTTCCCTT	11219
AATAGGATATATATATCCTATTATATATTATTATTATCCTATATAATAATATATATTATATATTATCCTATAT	11220
AGGGACCAAGCTGATTGTGAGGTTTCTCTCTTCAATCCTTCCACCAGTAGATCTCATTGCAGCTGAGTGAACT	11221
CGTGGCTATATCCATGCGGAACATGTGGCTGCATTCATGCCACTTTGTGTTGCAGTAGACCGACACCAACCC	11222
ATTCGCGAAGGTCGGCACACTAAAAGCAGGCTACCCTGAAGCTAGGTATTGAAGACTTTTTGTAACCTGTG	11223
AGCTGGTGATGGATAGTAAACAAAACAAATGGCTTTGGTTCAGCTGATTTATTCTAATCCTGCCTTTCCCCAGC	11224
ATGGAGGCCAAAAATTGGGCTGCCTTGGTCCACTAATATAAGTGCCAGTATATGCAGCCCTGGGATCCAG	11225
TAGCCATTTATTGATTACAAGTAATTCAGGATAGGGCCAAGAAAAAGGCACAGGTGAGATACATGCTGTCAGT	11226
TCACTGCTTCACAAATGAGGAAAAGATTCTGGTGTTTCAGTAACTTGAACTAAAAACTGAAGAGATGAATGC	11227
ATTCAAGGCGTTCTGCTAGTCTGCAGGGAAGAGAATGACAGGCCACAAATTCTCTGTTTAAGGAGGTTAT	11228
ACTCACACTGGTGAATCAAATAAAATGTATGATGTAAAGCATTTTAACCACTTCTGATACAGGCCAGTGTAGC	11229
CTCGCTCTCTCTCTCAGGTCTTGGCCACACTTCTGAGCAGCAAACTATGAAGGCTGAGTGTGCATGGGCTGAG	11230
GATAAAAATCTGCCCCACGGGAATCTTTCGTTCAAACCATTTGGAAAAATACAGGGACCTGTAGGTTTCTG	11231
GCCCAGGAGGTCAAGGCTGCAATGAGCTATATTACGCCACTGCCCTCTAGCCTGGGCAACAGAGTGAGACCC	11232

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Table 1. Novel miRNA sequences

TGGTAAATGAGCAATGGCTTCAACTTAAAGTCACCAGCTACATTAGCTGCTAACAAGGGAGTCAGTCTGCC	11233
AGTGGCACCCAGACTTGACCTATGGGCCAGTCAAGATTGCTTTCAGGTTCTTAATGTCTTTATAGGAAATGGTG	11234
CAATGAACTTACGTGGCATGCCTATAGATGGATTCTTAAAAGCCAAGTGTGCCAAGTGTATTTTTATTCA	11235
ACATCCTCTGGGACTCATCCACTTCCTTACTAGTCGATTGCTGTCTTCTGTGGTTCATCCTAGAATATGGTC	11236
CCTTTTAAACCTAGTCTTCTACATGCTCATTATGCATATGGCATGGATTTACAGTTATGATTGGGAAGGGCTG	11237
ATAATGTCCACATTTAACACTTGGCACCCAGGGACTGACACTGTCTGGTAGTGGCAAATTTGGGGGAATTAG	11238
ACTTCAGGCTCCCCTTATTTACCCCCACCGTTCTCTATGTTCCTGCGGAGCAAAAGAATGCCGAAGTCAGAG	11239
GCAAAGTGCTTAGCCTGGGGTCCATGGACGCCCCACCCAATGGCAACCATGACCACAGAAAGCCAACAGTCT	11240
AGATAGTATCTGAGGCAGCAGGATGTCATGCTTGCGAGCACCTTCCTGGAATTCTGCTCTACTGCCCAAGTGG	11241
ATAAGACTTGCTGTTACCCTGAGACAAGCCAACTGTCATTGCTTTAGCAACCACTACGGCTACAGGTTGTTGCA	11242
CCTCAGACCATGATGCAGAACTGAGTCTTGACTAACAGGAGGAGCTCAGGAGCGAAGACTGCCCATGAGGA	11243
TGGGGAGAGGGTCTATCACTTTCATCAGGATCTCAAAATAGTTTTGGACACTGTTAATTCAAGGCTTTCCCTTA	11244
ATGTTACTGCCCACGGCTATCGGGAGCAGAGATGAAGTTACCTAAATCTCCGCTGAGTCAGGGGGGGAATA	11245
CATCGATCCCAGTGCTTTACACACAGTGGGCACATTCCTACTAGTCGCAGCTGCTATTGTTGCATTAACA	11246
TTTTTGTGTGTGTGGAAAAGAGACATTTTTCTTGGCAAACAGCATCCATGCTGAGAATCTAACACAGTTCATGA	11247
GAGGAGAGGTCTTTCTCCTGTCTAATTTGACGCCACAGTCAAATGACAATACCAGTTTGCTGGAGGAAGCCTT	11248
GCCACTCCCTGAGACCCTCCAGGTAGCCCCCAACCCAACGGGCAAAAGATGAATGCCTGCCTTGGCAGAGGC	11249
AACTTGAAGCAGGACATCTGAAATGGATTTCACTCAGCATAGTGTAAATCATAGTTCTTGATGGGGTATATT	11250
GATTTGTAGGCCTGTGGTATCCAAGGTATCTATGATATCTTGGTATCTTGGATACCTGTGGTATCTTGTG	11251
CACTTTGACTTGCCTCACTGGACTCTTAAGTATTTTATACTATTGAGTCATACAAACAAATCAAAACTATCCA	11252
AATTTCTTTATATCTTTCCTGTTGGAGAGTGTTTGCATTAATAGCAGGAGGACTCTGTTCAGGACTCTTTT	11253
ACAGTTCATTTGTGATGAGAGTCCTACAGTCAGCTTTACTGCTCGGACAGACAGGTGCACAGAGAGAGCC	11254
CCACTGGGCCTGGCCCCCAATTTCATCTTTATGTCTTTCCGTGGGGGTGGGGGGGAATGGAATGCCAAGA	11255
ATATGGCAGGAGCTACTGAGAACATAAAATCTTGGCGAGTCATTAAACTTATGAAAATCACCGCTCTTGGAT	11256
TGGGTCCCTCTAGCTCAGTTTCTCCAAAGAATAAACCTTTGTCTCCTGCTAGACTGGGGGAGGGCTAATTGTC	11257
AGGGTGCAGGGAGGGTTGGTTTTCCAAGAATAGGAGCTCTGAGGCTTCTCATATGGTAGCAGTCTGGCTTAGC	11258
TCATCTAAATCTTCTTCCCTGGTGGTCTAGTGGTATTAAATAATCGGTACCACATGTATTCATCATTTGCTG	11259
GAAACTTCTGTTGCTCAGGTAGCCCCTGTTGATTTAGACGGTATGCAACAGGACATTGAGCAAGTTTGGGAG	11260
CCTCTAACGGTGGATGCAACAGAAGAATGGAATCAGTCCAGTTTTCCCAGGCCAGTCTGCCTGTTTATTA	11261
GTCTCCAAAGAGAGAAGCAAATGGAAAATCCCTGAGAAAACAGGGTCTGAGATGAAGCACTTTGGCCACTGGG	11262
AGTACAAGACTTGAGGAATGTAGCTGAAAGGCCTTAGTAGGACTGAATGTGTCTGCATGTGTCTCTGGGATT	11263

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Table 1. Novel miRNA sequences

GATTCTTCCTGTTTCAGTTTTCACTCTTCAGAATGGATTGGAGAATAGGACTCTGGGAAATAGGACACTGGAG	11264
ACAATGTCAGAACGGCTCTAGAGCTATATTAAGGAATTTGTTGTCACCATGGAGGCAATGGGGAGCTGCTG	11265
GCATCTCTCTTATACTCAGTCTGAGATCTGCAGAAAGAGGGGGTCTTCAGAACAGTTCTGAGTATTTCAGC	11266
TGAAACCATATCAAGCCACCACAGCTGGATTCTCTGCTAGGCAGGAGTCAGCAAACTGCAGTAGGTGCCCACC	11267
ATAGGGATGCTGAGGAGACATGTATATCTGATTTTATGATTCTTTACAGACACTCCTGGGCCTGTGTCTG	11268
ACTTGCCAAGCAACCAATGATGTTGGCAAAGACATGTGCTCAGCTCAGCTCAGTGTAAAAGGTATCATTCCAT	11269
AGGTCCTGGGCTTAGTGAGGCTCCTGCTGGAGCCTCCCAAGTAGCTAGGATACAAGTGTACACCACCTCA	11270
AGGCCACCATAGCCCTCCTTTACCTTGGAGGGTAACAAGCCTTAGGGTGAAGCAGAGCCTGTAGTTGGTGGATC	11271
ATTTGTGCACTAGAATGTCCAGCACGAGGAGTGATGGCCCCGAGCCTCTGTCGCTGGCCAGTGATTGGTTC	11272
ACAAAATCCAGAGCAAAAAATGGATGAATCCAGGGGAACTACCTATAGCACCATCTGAGGCTTAGGATGTT	11273
ATCAGAGTGACAAAGGGCACTATTGTACTTCAGTACAAATGTAGTACAGTGCAGAGAGAAAGAGATTGCCTGTC	11274
AAAGAAGCATTTGCAAACTGAAATGAAGCACAAATCACTTCAATAGCTTAGATTTGTGCTTTGAAAGTGTCAAA	11275
GGAATGACAGATGATATCACATGATTGAACTAACTGGCATTTTTGTCAATTGTCTTTGATGTGATTATTAGTCA	11276
TCAAAGGGTGACCTGTTGTCGTATTGCCATATCAAGGAAAACATGGCAAGCAGAGAAACTGATTGTATCTTTT	11277
TCATTAAATGGCCTAAGACTTTGCTGCTAATTTTCTCCTGTAAGAGATTATAAAAGGCGTATTTGAGGCCA	11278
AAGTGATGGGATTACAGGTGTGAGCCACCGTGCGCAGCCCAGTATTTCATCATTAAGTACTATCCAAAAGAA	11279
AATTATCATCTTTTTTCTCAGGTTTGGGATGCCCTCTCTTGATTATCAAGTCCGATATGAGTTTGATGCATA	11280
ACCTATAGCTTGCTGAGTGTTATACTGATTTTTACACTAGGTTGTGTGAGATAACCCAGAGAACAGGCACAT	11281
AATTACTTCGCGGTGCTCTTAGACTTCACTGCTGGAGGGGGTCGGGGGAATGTATGTGGAGGTCGGGGTG	11282
CGTCATCTAAAAATAGAAAATGAAGACCTCGAGAGGTAGAGTGACCTGTCTATATGCACTTGGTCAGGTGATG	11283
GGAAGCCCTCGCAACCGCATGGAATCGGTTTCTTAAGTATCTGGTGGTAACTGGGGAAACTTCTGAGAAAGTAA	11284
TCTTCACAAGGAGTCTAGCTGTAGTCCAGTCCTGGTAGGGTGGTTTCATGTTGTCAGGCTCCTTCTAGCTTA	11285
CTCAAAGGAGCCAGTTTCCAGAAAGCCCAGGAAAGGACGATGGTTTAGGGAACAAAATTTGGAGTCTTGAA	11286
CAGGTTTGACATTTTAAAAAAGTGATGATGTGTGACAGCAGCAAGAGTACTTTTGAATGTGACTATATGACCTG	11287
TTTTAATTTTAGTCATCCTAATAGGGTTTAGTAGCTTTTAGTCATCCTAATAGGGTCTAGTGGTATCTCTCA	11288
AGTCAAACTACTTTGAGACTGCCAGGCTAGAAAGGATTTGTCTAGTTGCCCAGTTCAGCAGTCACAGATGAAA	11289
CTCACTGCACCCCTCTGTGGTGAGCGCCGAGGCTCCCCCGCCTCCGCATGCTCGCCGCGCTCTCCCCTCAGTC	11290
TGTGTTTTCCTCATGAAATATTTACCTATGCCTACATCCTGAATGGCATTGCGTAGATTTTGTTCTAGGGTT	11291
AGCAGAGGATCATGTAGGGACTCGTTTCAACTTGACTTCTCCCTATTTCCTTCCTCTATCCAAACTCCACTG	11292
AATAAGCTATAGCAGCTTTTAAAGATTACTACCTGAGGAAGATTTTTAACCAGGCTATTGCTGCAACTAAGGAA	11293
CCCTCCTTCCTCCAACTAATAATCCCAGATTACCTCTGGGATTATTAGTTATGTTACCTCTGGGATTATTAT	11294

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Table 1. Novel miRNA sequences

AAAGTATGCTCTGATTGGAGTCTGTTGCCATGGAAAAGCTGTAGGCAGGCTAACTACAATCAAGGGCATGCTCT	11295
TAGGGTGTTAATTGGAGATCTGTCTAGCTTTTTTGATGTTGGTATCCAGTGCAATAAATTTTCCTGTGAACACT	11296
CAACAAAAAAAAAGTTGTATTGCTCTTTGAAAAAAATTCGTTGGCACAGTAAGAATGTGGAGAGCTGGCAGGTTT	11297
TGCTTTAGCTTATCCAGTCTGCATTCTGTGTTACTCAAGTGCAACTGAGCACCAACTTAGAGCAAGGGTTATG	11298
ATAAACACAGGGCAATATTAAGAATACGAACCTTCTCTCAGTAATCTGGAATAGGCTCCTTCCCTCCCTGCA	11299
CTTTTTGACCTATGAAAACTGGATTATTCTCAAGGCCTTATTGATGCCATTGTGGTCATAGGTTCCAGTGCC	11300
TGTGAAGGTTGCTGAGGTAAACACAGTTCTGGCTGTCGAGGAGCTCACAGTCTCACAGCTCACAGGGGAAAA	11301
CTTTGCCCTCTGCCTCAGGGTCAGAGAACAGCTGCCTTCAGCTATTCTCCCCCAAAGGTATGCAGAGCCAGA	11302
CAGACAGGATAATCACATGCCCATGTTTCCTTCCTGTTATAGCTCAAGGGAAGCATGAGACTACTCAATGTGA	11303
CCCTTCAAGTGGGCGCAGCTGCTACCTGGTATGACAGTACAGGGCCAGGCAGTGGGCTGTTTAAGGCGCATGC	11304
TGTAGCAAATAATGAAAACTATGTGTATTGGCCTGCTCGAGCAAGGGTGGCTTAAACAACAGGAAATTTATT	11305
TGTGGACTTTATCTTGTAGCTGTAGTTCTCAGCACCAGTGAGTGCAAGAATCAAGCTGTGAGTGTCAGACATGA	11306
GACCACAGATTCACCAGCTGATTGCAGAAAGCCCTTGTTTTTTGAGTTATCCATGCCCCGTGGACTTGGTAA	11307
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AAAATACAGCATTAATATTGTATGGCAGTAAACTGTGTTATTCTAGTGCTGGTTTACTGCTGTAGTATTGGT	11309
GCAACAACACAGCAATAAAAAGACAGAGAAAAATCCCAGTTGGGAAGTTTATTTTGTTTTCTAAAACCATGTT	11310
ATCAATTGTTGCTGCTTGGTCTATCACCTGGCCATCAAAGTCTGTGCATGGCACCATCAAAACACCAGCTC	11311
TCCATATGCTCTTGAGGTTTTAATTTTGTTGGTAGGCTATTTATTACTGACTCAATTTGGAAGCTTGTTATTGG	11312
CTCAGCATTAGATGTTTTCTGCCTGTGTTAAAGCAGCATCAGGTCAGAGGAACAGGAATCCCCTATGCTA	11313
TTGTCTTAGTCTGTCTTAGTCTGAGCTGCTATAACAAAATGCCTGAGACTGGGTAGTTTATAAACACTAAAA	11314
AAAAAAAAAAACAGTAGCCGGGCGTGGTGGTGCGTGCCTGTAAACCCAGCTGCTCCTGACGCTAAGGCAG	11315
CTTCTATTCACAGGCTTTGTACTGGGCTGCACAGTTTGACCTATAGGCCAGTAGATGGTGTTTGAAGAGAA	11316
GTATAGATTCATATTCCCTCTGGTTTCCAGTTATTTTTGGCCAGTAGAAAGCCCTGGCAGAAGATCAGAGGG	11317
CATAGTGCTCACATGGGGGTAGGGCTGTAATTGGGGCCTGTCACTGAAGCAGGCAAGCCTCCTTTAATGGGG	11318
CCTGAATGTAAAATGCAAAATTATGTAACTCCTATAACATAGGAGAAATCTTGTGTATGGTGAGCATGACTTT	11319
GTGTCTAACCACCCACTTGACTGAATCCACTTTAATTAGTCATTCAGTTTATGGTTGAACACCCTAGGAGGT	11320
TTTGGAGAACACTTTGCTTGGTGCTTGGAACATAACAAGTAGCCAATAAAGGTTAATGTGTCGCTTTTTCTT	11321
GTATGCCCACGTTCATAGGAGCACTATTCACAATAGCCAAAAGGCGGAAGCAAACTGAGTGTCCATTGAAT	11322
GATAAGGAGTTCCTTCTTATGGGTGAGTAAAGAAAGTGGTTTCCTGAGATAAAAATCTACTCCTGATAAAGAAG	11323
AGGATCAATCCACCTAAACATCCGTCCTTTCTCCATGATGTTGCTCAGGACTGACTGGTAGGAGACAGGATCC	11324
TGAGATGGTTAAATCCATGCAGTCTTTGGCTGTTCTCTTAGAAGACCGTGTGTGTCAGAGTCAAATTATCTA	11325

Table 1. Novel miRNA sequences

AGTGTGGCCAGGACCTGTGACTTGCTTCTAACCAGTAGAATATGGCAAAGGTAGTGGATGTCACTCCTGTGG	11326
GGCAATAAAGTGCATAGCAGCAGTTCAGTGAACTTTCTCCATTCTTCAGCCTGCGCAAAGCACTGGCTGATGT	11327
GGAATTTAGTTGGAAGCTTTTTTCAATAACCCTGACAAGACAATGATAGGTGATACAAGTAGATGACAGAATTCT	11328
TGTGGTCACTGTTGTAACACGAGAGGATAATAGCTAGGTCTTTTTTGGTTTCAAACAACTGATTTATGATG	11329
AATTTCTAGCTGCTAGTTAGCTTCAGCTGAGAGGGTTGTAGACTTCCTGCTCTTCCCCAGTTGGTGCTAATGC	11330
AGTGGAGCTACTAGTGAGCTGAACAGTGGAGCTCACAAAGGCCAGGAGGCATTTGAGTTCCAATCAGACAGAGT	11331
AGGCCCGGGGACACTTGTCTCAAACTCAACGGAAGGAGAGTCAGTAGCAAGTAACCTGCATTTGACCTAGTG	11332
TGGAAAATAAATTGCTAGGGGGGGGTTAAAAAAAAAAAAGATATCCCCAAAGTCCCTGTGTACACTCTCCTCTA	11333
AGTTAACTGCTGAACCTCAGTCCTCCTTCAGGACACCCATTTTGGGTGAGGATGTGCAAACTGGGGCAGCAAA	11334
TTGCATTTATCCTTGTAAAATTTTACTGATCTGGGCCCAGTTTTCTAGCTGTTCAGGATGATTGTGAGTCCT	11335
GCTCCTCAGAGAGCTGGGTTCAGAACGTATCGATGCTTGAGAGTTCTCACTTTTCCAGCTGAGAGGAGTCCAC	11336
GCAAATATTTTTGGCAAGTAGACGTGACTTTCCAGTGAGAGGCCCCATTCGCTGGAGTTTCCCCCAGAGG	11337
CACTTCCAGGTAAACCTGAATGCGGGCCCTGGGATAGAGCAGGGAAGCAGCATCATCACTAATCTGGATAGAA	11338
GGGCATAGTAATCCTTCAAGTCTCAAAGGGCACCTTGTCTATGCTCTGTTTGTGCTCCATAGACTTGGAGGG	11339
GGCCTAAGGCTTGTGACTACATCAGCTGCTCCATATCTGGGGCATAACAGGAAGGCATTGTGGAGTTTCA	11340
GAGAGTCTGTTTAAAAGCTCCTCGAGTGAGTCTACTGTGCAGTCAGGATCCAAAGTAGCTGATGAGAAGAC	11341
TTTAGTTGTGGTTCTGTCATGTCAAAACTGCCTTATAATAGGCAGTGAGAACTGAATTCCCAGGGGAAGG	11342
GTAGATGATATGTGGGAGATCACTAAGGGCCAAGTGTTCAATGATGATTTCTATTTGTTTGCCTGATTTCCTTT	11343
TCTTTGGGACATCTAGGCTTATCTATTTTGTTTGGCTGCAAAAAAAGTCAGGTAAGAGGAAACACTTGGAA	11344
TCTCACTTAAGTAGATTACAGTAATAAGAAAGTCAGTCTCTGGTTTCAATATTTTGTGACTGGATATCTATA	11345
GCAGCGGCGGCGGCGGCGGCCGTGGGGGGCTCCCGCGAGCTCCAGGCGCGGCGCTGCGCGTGGGGCTGGTG	11346
ATCTTTAGCACCATTGTCCTGATGGCCTCCACTTCTAGCTATACATTGCCTCTTTGAAATGAGCCATTTGGGA	11347
CAACCACAACTTGTGTACAGAAATGATTGTTGCCATAGATCATTGTCAGTAGTCTTACACGATTGGCACAGG	11348
ACATTGTGGGGAGGGTGTCGTGGGTCAAATATGGGACTATTTACCCTTCCCTTTCTGTTTATTTCTCCTTGA	11349
ACACTCAGTATTAACCATCTCAGTCTCCAAGAGGTAGTCCTCCCCAGTTTATGGGGTTTAACTAGTTGTTGG	11350
AGCCAAGTTCTCCCTGCTTCACTTGGAACTAGCTGCTCTCTAGTACTCAGATGAAGCACTGAAGTCTGTCC	11351
TGGTTGTCCAGTTTTCCCAGCCACCATTCATTGAAGATGGTGGTCTGTCCCCAATGTATGTTCTTGGTGCC	11352
TATGATAGTAATAGTCTGACTTAGAAAAGGCTACTTCTTAAGGCAATGAGTGTGGACAGTTTGTCGGATTA	11353
GCAGAGAACTGAACATTCTCCTTCCTCACCTTGGTTGGAATGGAGACACATGGTGCATGGTTGTCACTCTG	11354
TCTTATCTTTGTGGGCTTATCTACCTCTGATCTTTGAGGTTGCTGACCTTTGGATGGGGTATTTGTGGTTTTTT	11355
GCTAGGCAAAGGGATAGTGGCATTACCCTGGGGTTACCACTACCAGTGCCAATAACCTGACAAACAAGTG	11356

Table 1. Novel miRNA sequences

ATCAGGAGTGGTGAATGCAGTAGTATTATTGTCCTTAAGAATAGTCTGAAGCAGGAGTCAAAAAACTTTGTCC	11357
CTGGGGCACCGAGCAGGAGGGAAAGAACTTTGTGCTGAGTTGAGGGGTTCAGGTCCCTGTTTGATCCCAGC	11358
GCACTTCCCCCATAGTATGGTAACTAAAAATGTTCTCAGACATTGTCAAATACCCACTGGGGTCAGAATCAC	11359
CTGATCCCCACCCTCACAGGGCTGTCCAAACTTAAGCCCAGATGGGTCCACAAAAGGGTCCCAACGGAAAGAA	11360
TGACCTCCCAAAATGCTGGGATTACAGGTGTGAGCCACCACACCCAGCAGCATTAGGTCTTTAAATCCAGGT	11361
GAGTTGAAAGCATGCTCGCGAGACACTTGGTACTTGTCCAGTTTTCCCAGAGCTGCTCACCAGACATCCA	11362
AGCAATTGTGCAATTGTAGGATGGCCTCTACTGATTGAATGACAGTAGCACCATCCTCCCAGTTGTGACATCC	11363
AGGGCACAATTTACACTTGGCCCTGCTCCCTACATGGAGCCTAAACATTAAAGTAGTTGTGTCTATAATC	11364
ACACTGTCAGCCCACTGGTATGGAATCGGTTGCATATTAACAACTGTCTAGACAGGTTAGAGAAGGGAATCTG	11365
ATTCGGTGCTTAAGAGATGAGAAACTTCGTTCTACCAGTAATGGAAGAAACGCTTCACCTTAATCACCCT	11366
AGAAAGTACTGGAACTAGAGAATTTAAGTAGCAGGAAGTAATAGTCTCTTTAGGGAAGTACCAGTGTTTCA	11367
TCATTAGACGGACCTCTCTCTTTCGTGCTGCTTCTTCAGCAGGCTGTGTAGGAAGTGCTGGGGAGGATGCC	11368
CAGCTAAGCGTCCTTACAGAGTTCAGTGCTTCTTTGAAAGAACTGCTCAAGGAATCACTCTTAGGCGTGGCT	11369
TTGTCCAGAACAGTAGATTGTGCCACCAGCTGCACCTGAGGCCACAGGGCTTCCCATTTGTGTCTTGCTGGC	11370
CAGTTACTGACCTTTGGTTAGAAAGAGCAGGTGCGCTCAGCTCTTCCATCACCCCATGGGTGTTTGCTGCA	11371
CACTTTACTCTGTTGGCTTGCTCTTGAATTCCTTAATGTGCGAAGGCAAATATCACAGGGCCTTTGGTGTTC	11372
CGGGGCTGCGAGTCAAGTCCAGGACTCGGGCCAGTCTCTCCGGAAGACAAGACCAACCTCGCGCCGCGGCG	11373
CACTCCTTGAGAGCATATGATGGTCAGCGTGACAAGAGTCAAAGTCAAATGCCAACCATTGCTTACTTCCAA	11374
CCTCTGAGCTGCGACTCTGAGCACACTGCCTGTGGGGTAGCCCTGCCACAAGGAGCAGTACCTCTGCTGCTGCT	11375
AGCTATTGGTGTTCTGTTTTCAAAAGGGTCCTTGAAGACGTTTATTATGATGACCATAGTTGGTGAGCTGTA	11376
AACTCAGGAGTCATTACAATACAGCCTAGGCCAAATGAGGTTCATCGTTTGTGTTGGCTAAAGATGGTTTTT	11377
CCAGTCCTACATAAATTCCTTCAGAAAATCAAGGAGGAGAGAAGACTTCTCGTTTTATGAGGGTAGCATTA	11378
AAACAAATGTTGTAGATAGGTTTGACTTCAATTATTTCAATAACAATGAGTTTATATCTATCTAAAATAGGT	11379
GAGATAGAAACTTTTGTAGGGAAGATGCTGTGAACATCACATTGTTGAAATAACAACAAAAGATTTTAATTTTT	11380
CTCTCGAAGTCTTTAAAACACAGATTGGTGAGCCTTCTCTCCAAAGTTTCTGATTCAGCAGGTGTGAGGTGGA	11381
TAATACAAATTGCCAGACCATACCCCAGAGATTCCAATTCACTGATATAGGAAGAGATCTAGGCATCTGTAT	11382
TTTTGTGGGGAGATTTGCATCTGTAAAGGAAATCTATATTAGTGAAATAAACAGCAGATGCAAACAGGCTTTCT	11383
TGTCTGCCCTGAGTGGAGCTGAACCAGTTTGAGTGAGCCAAGTTATCTGTCAGTGGCTCCGTCCAAGCATCT	11384
AGACCTGCTGACTCTCAGCTTATCAGACTGACTGGTCTGTAAGGCATGAATAAGATCGTGCAAGAATAGAGC	11385
ATCTAACTGTGGTAATGAGCTGTTAAGGATTCCACTAATGGCAGTTTAGTAGCTGTAGCTAAGGTTTTCC	11386
TTCTGATGCTCAGAATGTTAGGACCAGAAAGATCTTTAGAGATCATTAAGTCCAGATTATGCATATAGAT	11387

Table 1. Novel miRNA sequences

AAACGAGTCCCATTTTCCTGACTCATGCCATTCTTTGGATGGCGGTCCTATTAAAATGATAAAGAATGTA	11388
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GGCCTTAAGCACAGATAGATCCAGGGCTGAAACCATGTCTCATGTCAGCAGGACACTCTTACTATCTTAAAAT	11390
ATTCACCCTTGTCAGGGGAACTTCAGGAAGAAATATCTCAACCAAAGGTGCAAGGGAGAGAGAGACTGTTGA	11391
CATATTGGGTGGTTGACTCAGGGACTGAGTCAGACTAAATTAGCTCTCAGTCTGAAGAGGAGTAAAACTGACAA	11392
CCCAGGGAGTCAGGAATAGAGGATAACTTTTCTGCTTGGTGCTCTTCTGAATCCTGTCTCCCGTTGGTTAGAA	11393
TATTAAGAACTGTGGAAACTGAATCCCAAACTTCTTTTCTGATATGCTATTCAGATTTGAAGGCTGGAAGTCA	11394
ATTTGTTAAAGCTCAGGGACCAGCAATGTGGGTTTTCGCGTTACACTGCCTACACTATCACTTGTTGACTGTGC	11395
TTAGGAGGATTATTTTGAGAGTACAGACCACCCACGTAGCTGATCTGCTGATTATGCTCCCAGGTTCAAG	11396
TTCCTGACAAAATGAAGCTGACAAAAGTTGCCGGCTAATGTTGTTTGAAGCTACAATTTTTGTTAATCTATA	11397
TGATGTTTTAAATTATTTTTAGCCCCAGTCCCATCCTATTAGTATAAATGGTTGAGACTGTGGTGTTTCC	11398
GAGGATGATGGACAGACCTTATCTCCAAGCAGTCTGGCTGCACAGTAAGTCTTTGTTTATTTCTAAATAGGT	11399
AGGGAGGTCCCCCGATCCGAGTCACGGCACCAGATTTCGTGCACGTCTGTGTGAAGAGACCACCAAACAG	11400
GGCAGATGGAAGGGAGCTCTGGGGTCTTCCTTGCTCACCAGTGCCTTCCAGTTTTCCCATTCCGATCCATAT	11401
AGTATGGAAGAAGCAGGACTGATTTTCCCTCAGGGCCTCCCAAGGGAACATGGTCCTGCTGTTATGTGCT	11402
GCCAGAGGACTCAGTACCAATCCTATATTCACATCTAGCTTATCAGCATGCTGGGTGTGCTTTGTACTACGTTT	11403
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GACCAGCTGTGTGAAATGGGAGGCAAAGCTCATAAATGACCTATGAATTTTACTCACTGCCATAAACACAT	11405
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CCATGCAGCGGAGGTCAGGAATAGTCTCGAGCAGGTCAGCTGTTTGCTGAGCTGGAAGAGGGTTGTTGAAAGGC	11411
CTCTACTGAATCACGAACCACTCTGAGCCTCAGTTTCTCCTCGTGGAAAAAAGGAAAACAACTGGCACCCAGGG	11412
GGAGCTGCAGACTGGAGCTATTCCTATTCAGCCATCTTGGAACCTCCCCCCGAGTGTTACAGCTCTTAAAGGTG	11413
TTATATGAGTATGTACTAAATATTCCAGTTAAAGTATACACAGGATTTAATGGAAGAAGAAAATGTATGTGCT	11414
AGAACCGGGGTGCTGTGTAGAGGGCCTAGGGCTATTTGCATCAGGGTGCCACTACCAGAACCCAAGGATCA	11415
GAAAGGGCGAACCGAGGACGACCCAGGTCCTATCTAGGGAACATATGCCCTTTGATCCGGCTTAGTATATAATG	11416
ATTTGATCATGGGGGGTGGATCCTTCACAAATGGCTTAGCACCATTTCTTGGTGATGTTCTCTCCCAGTTAGT	11417
CCCCCACCGCCGGGTCCCCCGGGGCTGCAGTAGCAGCGGCCGCCCGCTGGGGCCTGGGCG	11418

Table 1. Novel miRNA sequences

CGCGGTCTGCGCGGCCGCTGGTCCCGGCGCCCTTACCTGGGCACGCAGAACGGCGGCAGGGCGATGACGCGTG	11419
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CTGGAGCCCCCGGGTCGGGCCTGGAGCCTCGGCCTCTGACTTCTGGCCGCCCCGCTCCAGACCCCACGCTCCCAC	11421
AGTTCTTGATGCATCTGATCATAGTCTCGTGCTCCAGTAGAGCCTTTGGTTGCACGGTCTGGCTTGTGCCAC	11422
CCTACCGCAGAAGAGACCCTAGAACATCCTTGGTTCAAAGTGAGTCTAGTCTGCAAAGTGGTGGCACAAA	11423
GCCGGGGGCACTGAGGGACTTGGGTGCTCGGGTGGGATTTGAACCCGCGACCTCAGATCCCCAGCCAGGC	11424
ATGGAGGCAAGAAGAAGGCAGACCAGCTAGGGACCTTGGGACCCAAGGAATAATACATTACTGAGTTCCTTGT	11425
TGGAGGCATGTGAGGTGAGGTGACTTCCCATGGCTGTCGCACAGCCAGTGGTGAGAGCTGAGCCAGATGCACT	11426
TGTGAAAGGGCTTAAACAGAACACTAATAACAGCTAAAGATCTAGCTGCAGGTGGCTGTCTAATTCCAATCAA	11427
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GGTGGTCCCCGGCATCTCCACAGTTGAACTTCGGCCTTGACTGCTGTTATGAGTGGCCACTTAGGTAAAA	11436
GGAGGTGGGAGAGCTGCATTACAATGTGGAAACTGCAGGAATAGTCTGACTGCAGAGTGGCCATACTTGGCA	11437
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GAGGTGGTTAGTGGAAGATCTGAGTAAAAAGCATGGTTTCATTGGACCCTCAGATATCGCCACCTAGTGGGTT	11439
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TGAGTAAGCATTGCCCAGGGCTGAGATGCACATGGCCAATGAAACCAGGTGTAAAATGCCCTGAGAACTTTGTT	11444
GACAGAGTGGGGCAGGAGGGAGTGGGAGCTGCAATTTGGATCCACTGGTGCTTTTCCTACTTGTTTTTGTCAGT	11445
GATTGTGTTTGGCTCTGGAGTAAACACTCTGAGTGACCATCATAATGTAAACATCCTCGAATGCTTCTTAA	11446
TCTGATAGGGTTTGGCTGTGTCCTTACTCAAATCTCCCTCTTGAATTCCCATGTGTTGAGGGAGGGACCCGG	11447
GTTTATGCGTATGCTGAAGAGAGCTTTGTGCAGTACTGATAACGCCAAGGTTACAGTGAGCTAGTTTGCA	11448
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Table 1. Novel miRNA sequences

CTGAAATGCAAGGAGAAAAGAGGTGAGAGCAGCTAGCCATGCTCTTCCCTGCTAGGGATCCTTGTGAGTTCC	11450
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ACATGGTGAAATCCTGTCTCTACTAAAAAACACAAAAATTGTAGGACGAGGTGGCCGAGTGGTTAAGATGATAGA	11454
AGAAGGTGGGAGCCGTATGAGTTCAGCTGTGGATCATCCAGGCAGAAGAACAGGATGTCACGATGCTCAAGA	11455
GTGGTCTCGAACTTTCCCCCAGGGAGCAGTGGTGCACTGCAAACTCAAGCACCCCAAGGACTCAAGGAACCT	11456
TCTACATGCTGCACTTCAATCTTCCCTCCAAGGGGATCCTTTTTCTTCTAGGGCTGATGCGCAAAGTCTCAGGA	11457
ACGTAGGCACAATGACCAGCTACTGCTACTAAAATTCCAGACTCCCTAAAGGAAAGCAGTTGTTCAGTGCCC	11458
GATGGAGGGGAGAGGGTATGTGATGAAGCACCGATACTAACAATGTTTGACGCACATGGCCCTGCCTCCCTACA	11459
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TCTCAGGCTGACTTCGATTGGGAAGGAGGCCAGCAGCTCTGGGCTCACATCACCCCAGTCCACAACCCTGC	11461
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CCTTTCAATGCAGAAGTACATAGCCTCTTGTCAGGCACAGGTTAAGTGAGAGCTTCAGTTTATGGGGTCGTCA	11463
CCCCAGAGGAGCCCTGTCACACCCCTGATCATACTGTCCATGCTGTCTCTCGGGGCCACTATTCCATAAGA	11464
GCAGAGCTGAGAGAGGTGGGGACGAGGAAGCTGCTGGAGAGGGCAACATTGTCAACCTTGATCTGAGTGGTGGT	11465
GCCTGGCCATTCCCTGCTCCCAGCACCTGCTGCAATCTTGGAGCAGGGTTGGGGCTGAGCCCAGGTGCAGTTG	11466
TCCAGCCCTGGGTCCCAATGTCAGGACCTACCTTAGTCCAGTCCATGCTCTCCCATGGGCCTGAGAGAAGAATTT	11467
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AATGGTAGTTCTGTTTGAAGTTCTTGAGAAACCTCCAAACTGCTTTTCACAGTGGCTAATTTACATTCCCA	11470
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GGGAGGGGGCGAGGAACACGTGGGGAAGGAGAAGGATCCACCTAAAGATGGTGGGAAGCAGGCGCACCTGTGC	11475
GAGTGTGTGCTGGGTGACCCGCAACCTGGAAGCACAGGAGGAGGTGTAGGTTGCATGAGGGGTCACTTGGGAC	11476
CGGCGCTCGCGGGGGCCCGGGTCGCGCCCAGCCCCGGGCGCCCCCGCCGGCCTCGCCCCCGCCG	11477
GTCCTCCCACCAGGTCGCCATCCACACGCTCTGGAACATCCGCATCGTGGTGCTGGCCAAGCCTGAGCACGAG	11478
TATCCCCAGCTGCCTCTCCTCCATCGCACTTCAGAAGTGCTGCGATGGGCAGAAGGGCAGCTGACACTCCG	11479
AGAACAGCCCTTGACCCAGAAGCTGGGAGACCCTTGCTGGAGTCTTCGTCCGCTGAGTCAGGATGGGCTT	11480

Table 1. Novel miRNA sequences

CCTCACCCTTGCCTTTTCACAGTGGCTACTGCCAACTGTTCAAATTGTTAACAGAGAAATCAGCAGGTGTA	11481
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GGCCCCAGGGAGGAAAGCATGCTGAGAGCCATTGATTTTTTTCCCACTGGAGGCTGCTGCCTCCTTGGACC	11484
CCAGTGACCACGCCCCCAGTCCTAGAGCTGACATGCCACACTTTGTCCATGTAGGACTGCCACGCCCCTTATTG	11485
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CCACTTTTAAGGACTCATGTGATTACATTGGTCTACCTGGATAATCCAGGAAAGATCTCCCCATCTCCAAGTCC	11487
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GAGCACCGTAAGGCAGGCTGGACCACGCTAATTAAAATGAGATGCTCAAGATCAGAGTTCCTAATTACCTGCC	11490
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GCCTCTTTGGGTGACGAAAATTTGATTTAGGGACCATTGGTCCTCTGAGTCAAAAACAGTATTTCTGAGA	11496
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TCTGCTTCAGGTTACTTGCTGGCCCATCCACACGGTCAGATGACCTTCCTGCGACCAGCAGCACCAGGAACTGA	11498
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CCTGGAGCAGCTAAGGCACTGGCTACAGGGTCTATTACTTAAGGCTGGGAGCCTCCTGGGCGGGTCTGGGTTC	11500
GCCCGACCCTGCTAACGGTATTTCTAGAAGATGGGCAGAGGACAAGCCAAACCCCGGGAGGGACCACGCGGC	11501
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AGAGCTTCAGGGACCTATGAGACGATAACAAATGATATAACATTCGTTTCATTGAAATCCCTGAAACAGA	11503
GCTTTGCATTAAGCCTGTGCACCGACATGCAGGGAGCCCGCCCCTCTGCACATTGACCCAGCTGCGAGGGAGA	11504
ACCACTGATCTGCCGCGCGTGCGAGCAGGCGTCCACCCGTCCGTCCGTCCACTCATTCATTCAC	11505
TCCGATGGGCTTCTGGCCAGGGCCTCGTACTGCATCAGAGCGTGGCCATTATAACAGCCCCATGCTTGTGG	11506
CATTAATTTCAGCCAAATGCCAGGATTTGATTCCTAAACATGCCCAGGGCACCAGAATCTGGCCGGAAGAG	11507
GCCAAGGACACAGCGTCCACACAAAACGCCTGTGGTTCTCATTGAAAAAGGTCTTGGCTTTAAAATCCACA	11508
AGCCTTTGCTCTGCTCACATTCATCCCTTTTCTGGCTCCCAGATGTGATGGGGCAGCTCCATTGCCCAAAAC	11509
ACTGTGGCTCCGGGGTTCAGTCTCTGAGACGTGGCCCATCTGGGTGACTCTGGGTGGTCCTACCCATTACATG	11510
CCTGCCGTGCCCACACCCCCGCGCCCCCGGCGGGCGAAGCCGCCTCGCGGCGCGGGTGGAAAGGTCCAG	11511

Table 1. Novel miRNA sequences

GGGCGGCGGCGGGGACGGTGCTCCGCGGCGGCCCCACAACCTCCCCTCCTCATTCACAAAAAATTGACCC	11512
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GGAAAATGGCTCAGTGACTGTCCTGTGTGCCTGCCTTCTGCACGCCCCCGCTGGGCTTCCTGCAGCCACAGCCAA	11514
AGCTTCCGATGGGGCTTCTGACGGCCTGGGACAAAACCCCGAACCTTAGCCTTGCCCGCCTCTAGGGCCTCC	11515
AACCCTGTGCCCCCTGGGCCTCTGGGCCAGCCTCTGACCTCAGCCCCACAGCCTCAGTCCCTCCTGCATTGGC	11516
GTTGCAGTGAGTCAAGATCGCACCGTTGCACTCCCAATCCCAGGCGACGGTGTGAGACTCCATCTCAAAAA	11517
AGACTCACTCCAGTGCCAGGTAGAGCAGGTCATGCCTGCAGCCCAGTGGGCGTGGCATGAGACAGCCCAGAA	11518
TTAGGCACTGACTTGTCCCCGCACCTGCCCGGGAGCCCTGTGGGGTGGCCTGGCCAGTCCTGACTCGCGGGGG	11519
GTGTCTGAGCTGTAGGCCACTATACCCGGCCCTGACTGACCTAAAGGCACTGTATGAGGCCCAGCTGAGCTGC	11520
ACAGCTCCTCCCGTCACCTGCTGAACGTGTACTTGGCCAAGCCGTTCAGCGTAAGCCCCTGTCCCACCCCCT	11521
CTACCTAAGAACCATCCTGGCCGCCAGCCCAGTTGTAGCACCGCCCAGACGACTGGCCAGGGCGCCTGTGGGAT	11522
CGGGGCCCACCGCGCCGTCCTTGTCCCCTGCCACCATCTGCCGGTGCAGCCGAGCGGGCGGCGAGGAGGGTCCT	11523
TCTCTTAGCTGTAATCCAGTTATCCCAGAGCTTGTCAGTTAGAGGGGAGGGAAGGGTTGGGGAGGGGCAGTT	11524
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TTGTAACCTACAAAGCCACAAGGGTGGAGCTGCCCAAGGCATTGTTATCCCACTCCTTGTACCAGTGTGCCGT	11526
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TTCACGTGAGAGCTGGTTGTTTAAAGAGCCTGGCCTGCCTTCTCTCTTCCTCTCTTTCTCCCCATGTGACATGT	11528
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CTAACAAGCTGCCAGTTGATGTACTGCTGCTATTCTGCAGACCACACACTTTCGTAGCACAGCACTGGATCAC	11531
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GCTGAAGACTCAGTCCCCAAAACTGCTCCCCCACTTCAGATATCAGTTGCAAATTTGGGCCTCTGGAACTTC	11535
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ATTGTTGCGGGTCAGGTTGTGCCACCAACAATGCCCAGGTTGGCTGTTGGTGGTTTTGTTTCCTTGAGTTAC	11537
TGGATGGGCACCATCTGATTAGCTGCCAGCATGGCTGGAATAAAGCAGGCAGGAGAAGATGGAAGAGCAGAC	11538
AGCTACCTTTGGGCCTCTGGACTAGTTGCTTAAAGAGCAGGCTGACTCCAGTAAAGAGTCCTTAGGGCACA	11539
AACCAGCTTGCACTGGCTGGTGAGTGCCGATTGGGTGCGTTTCTTCCCTACTCTGAGTTCAGTGATGTCA	11540
TCTCTGTGGTTTCCAGGATCAGGAGTGAGAGTTAGGTAGGACTTCAACCATATCCTGAGAGTTTCCAGGACA	11541
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Table 1. Novel miRNA sequences

GTCCCCAACCTTTTTGACACCAGGGACTGGTTTTGCAGAAGACAATTTTTCCCCATATGGAGGTGGGGAGGG	11543
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CTTAGGGACAGTAATCCAGGAGCAGCTGAGCCAGTCATTCTGGCCCAGGATCTCTCCTGAGGTTGTTGTCAA	11545
TATCCCCACTTTCTCGTCGACGCTGAGTGAAGTAAAAATAGTTGATGAATCGGTGGGTCTTGAGTGAAGGCC	11546
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TGACATCAGGCTCAGTTTTTCAAAGGAAACTTTAGAAAATGAGGAGGATTTTTTAGAAAGTGAGAGAAAGTGCA	11550
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AGGCAGCCACACCCCTGCTGAGTGAGCTGGCACACAAGAGAAGCTGATTTGGCATATTTAGCAGCCCAAAGGTA	11563
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AGGATCCCTGACTGATTGGATTGCCGGAGTAAAGGCTCAACTGCCTCAACCTGATCAGCCCATCTCACCCTC	11565
GTCCTGGTGGGAGAGGTTGGATCATGGGAGCGATCCCTCATGAATGGTTTAGTGCCATCCCCTTGGTGAT	11566
GAAAAGTCCACTGTTAGTCTGATGAGGTTTCCTTTATGGGTGACTAGATGCTTTTCTCTTGCTTATTTTAAAA	11567
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CTGCCCCAGGTGTTCTAATGTTGACATGTGCTGCAGGGAGCCGACTTAGAACATCTGAGAACACAAAAGGAG	11569
ACCTCTTAATGCATGTTCCCAGTTTGGTTGGTGGGGGTTGGTGACTGGAAGAGGCCAGTGGTTAATTT	11570
GGCCGGAGGATGAGTGAAATATCATGAAATCCACACTGAATCTCTTTCTCTCAAGACACTCCTCCTCCCA	11571
GGCTGCAGCCGGGAATGCCCTCCGCGGGGCGCCTGGGCGGCAGCTCCGCCCCCGGGGCCGCGCGGTTGCACC	11572
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Table 1. Novel miRNA sequences

GCTGTGCTCTTGGGCCTGCTGCCTCATCTCCCGGGCCTCACTGTTCCCATGTGGACTCAGCAGCTGGTCTCGCA	11574
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GAGATAAAGCTAAAGTCCCTGAGACCCTATGCCCTGAAATTGGGTCAGGCAGTTTGGATTTTGAGGGAACAA	11579
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GGACTGGCCCTCCCCCGCCCCAAGAGTGCCTTCCGGCCTTCAAGGAATAGAGGCCAGAAGTATCAAGGAA	11584
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GATCCATGGCTTGATGTCCACCAGTTTCAGTGCTGAACTGGTGCTTAGCAGCACATCATAGGGCCCTTTG	11589
AATGGCCACTTGATCTAGGATCGAAGACCAATGCAGTGCAGTGGGAAAGAGATTCTATTTTCAAATAAATGGT	11590
TTTCATTCACAGCGTAGCCTGGAATTTCTTCACCTGTCTGTGAGGAACCAACCTCCCAGAATAGAAATTAATGC	11591
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CAGAAAGCAAAACTCAGACTGGCTTAAGTAGAAAAGGAGACTTACTGGCTCAGAAGTCCAGGAGTTGGAA	11593
ATTGCTATAATTGTGAATAAAAAAGTCATGCTTCTTTAGGAGAAAAGCATGGCATCTATATACGTATGTACA	11594
TCCAGTCTGTCATTGTTGGGCGTTTTGGTTGGTTCCAAGTCTTTGCTATTGTGAACAGTGCCTCAGTAAATA	11595
GTGCTGTCCAGTGCAGTAGCCGCTGGCCACATGTGGCTATTGCATACTCAATATGTGGCCAGTGTGACTGAGGA	11596
TCAAAGGAGTCATTAGGGTTATGGGGTCCCAAAGGTAATAACAATTGTCTATACATGGCTCTTCTTGATCAG	11597
TAGGAGCTATCATCTCGATATTGTGGTACAACTATGCTAAGTACTTTATGTGCGATAGAAGTCTCTTATCCAA	11598
CTCCCAGAGCTAGGAGATTTATGATTCAGTCAGTTAGGTAGATGTTAATAGAGTTGGGGTGTTTGGTGTGGTT	11599
TGGTCCTGGAGGGAAAGCTCTGAAGTCATTATGGGGTAGGAGACAAGCTGCACAATGGACCCTGTGACCAAA	11600
CCGTAAGAAGTGGAGCTAGAGTTTGAGTGGCGTTTTGATTCCTCCCGGGGCCTTTGCCTTGCTGTCTCCTGTT	11601
TTAGTAAGTGGTAGAGCCAGGATTTGTCCAAAAACATTCTGCTTCCAGAGTGTAAGTTCTTATATCTACA	11602
GCATTTAATAGGCACTTAATAAATATTTGTTGACTGATAGATTAACTGACCTATTAATTGAATGAACTAAA	11603
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Table 1. Novel miRNA sequences

TAAGAATATAATACAATTCGGATTTGTGTCCCCACCCATAGCTCATGCTGAATTGGAGGAAGGTCCTGATGG	11605
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GCGAGAGAAGGCCTCTCTGAGGATAAACTTTTAAGCAGAGACTGGAAGTCTTTGGGTTTTTTTTTTTCTTTTTTC	11608
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TGCTTTGGTCTTTCTTCTGGCAACCAGCCTCTATCCTGAAGCTGCCTAAGGGCTGCCAGCCAGCCATCAGT	11610
AACTTAAGTGTGTGTGTGTGTGTGTGTGTGCGCGCGCGCGCGTGTGAGCTATGA	11611
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CCTCAGATCCAGTTTTCTTTCCTAGAGCTTCAACCCAAAGCTTGGAATTTAGGTTGGGACAAAAAATTTGT	11631
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Table 1. Novel miRNA sequences

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GTGGTTGGCCACAATAGGCAAGATGCTAATGACTATGGTCACCAACTGCCCAGAACCAACCCCTGCCAATG	11640
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TGGAGCTACCCTGTCTTCACAGTGGCTAATGCCTCTCTGATGTTGGGAAGGGCTGGAGACAAGGGAGGAGACA	11665
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Table 1. Novel miRNA sequences

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Table 1. Novel miRNA sequences

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CCACCATCATGGCATCAGCTGAAACCACTTCCGTTCATCAAGCGCTTATGACAGCAGGCCCTGAGTGTGG	11702
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AAAACTGTCTCAGAAGAGGTATGGGGCAGGAAAGAGCACCTCAGAACCACTGATTTTTCCTATTTGTATTCCT	11723
CCAGGATGGTTCGATTCCACAGCCTCCCCACACCACCTCCAGGACAGGAGAGGAGAAGAAAGCTTTTGGCTCC	11724
TTAGCGATCCTTCTCTAGTGGTTTGTGCTCTAATATGTCAGATTCTTGAATATCCCAGAGCAGGTTTCTCGCTG	11725
CTGGGCTGGCCGAGGTGAAGCTGGCTCCCTCTGCTTGCAGAGGGATGTGGAGGGAGAAGCATGGGCAGGAACCG	11726
TAGGAGGCACTGAGTCAGCAGTGGCTGTGGTCATTACCAACAATGGTATAGGTCTGAGGCGATGGCTGACGCC	11727
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Table 1. Novel miRNA sequences

TTTGCCTGGGGAGTCTGGCAGCACTCACACCACCCCTGTGGGTGGCTTTGCTGAGGCCACTGCTTTGGCCA	11729
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TGACATCATAGTGGTAATTGCGTAATGATATTATAATTTCATTACGTAGGGATTATAATGGCAAAATGATGT	11732
GAAATAGATGCATATTCTGATTGTCTACTTTGGAAAAGCTTATCAGACACTCAAAAGAAGGCAAGCATTTGT	11733
TATGGTCCTGAGTCACTGTAGCTTTGGGCCAGTGAACTCAACGGATTCACTGGGCTCCCCTATTTTGGACAG	11734
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AATCTTAGTGATAATCCAGCTCTCAATTATCTGTACCTTAATTAGGTGCTGTTTTGATTATCTGCATTCTCC	11738
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Table 1. Novel miRNA sequences

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Table 1. Novel miRNA sequences

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TGTGTGAGTGGGAGGTGAGTACCACAGAAATAAAAATGAGCAAAGATAAAGTACTCTTGATTCTACTTTTATA	11800
CGTTCTGTTCCATTACAAAACAACTGCTATTAGTCAAATATCGGTTGGGAAAAAAAACAGCAGATTGAAAG	11801
AGAGGTGACAGTTGATTACACACACCCATAAACACCAAGGGATGAGAATGAGGGGGAGTCAGTTTAGCTTCT	11802
CGTTTATAAGGACTCTTGTGATAATATTGGATCAATTCTGATAATCCAGGATAGTCTACCTTAACTTAATCA	11803
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CCCTATACTGAGTGGTTCTTCAGGCTTTCAGCAGATCCTGGCTGAGTCAGCTGCCTCACTTCCCTCTTCCAT	11805
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AATTGCAAAAAAAATTTCAAGTAATCACTAGGTCCATGTTACAGTAAGCTACAATATGGGACAGTGAAGATG	11808
CATAACCAGCGGCTGGTAATACTGAGGGGTGTTACTATAGACTCCTCTCAGGAACAGTAGAATGCCTGGATCC	11809
ATACATATCATGTCACCTTTATAAAAACAGACTTATTTTAAAATAGAATAAGCTTTGGTGTAAAACATAGATG	11810
CCTGGGGAATTTTTGTAGCTCAAGTCTGTCTACAATCTGGAGGCAGAAATCTCTTTACCTCCAGGAACTTTGG	11811
GGATACTGGGAAAACAGACCTGGGGTGAGATAAAAAAAGATCAAACCAGAGAACATTTGAATCCCACAAAT	11812
GAAATGGAAGGTCACCACCAGGATCTGCTTCACTAAGGTAAATTACATAGTGGCAGGCAGCTGTGAGAAA	11813
CCATTTTACAGTTGAGGAGACAGAGGCACTGGGAGGCTGAGTAACTTGACTATGATCACCAAACTAGTAAGGG	11814
GATGTGCTAGTGTTCTCCATTCAAGGCTGGCCATTATCACATTGCCCTTTCTCAAATGGTGTTTGGAAAACATC	11815
TATAGTGAAAGATGGGGATGTAGTTTCATTCTTCCGCATTAGGATGTCCAGTTTTCCCATGCCATTTATTA	11816
CCAATATTTTGACTTAAAACTTTCCTTCATTTTAGAAGTTTTGAGGTAGCTTATCAGAAGTCTGGAACGAA	11817
CCTGTTGTCTTGGTAAGAACTTATACAAGAATATTACTGATAATGGTAATCGTCTTTGTCTTATTTCTTACA	11818
TGTTTGCTTAGGCAATGGCTTATCAGATCAGACTCTGTGCTACGTGAGCAGGAAGGAAAGGAATTAGGCAGG	11819
TCTAAAGATGTTTCCTGATGGGTGGACAGCCAATAAGTATCAGCACTGCCAACAACCTGACAAAGCATCTG	11820
CCAGCTCCAGGAGAGACAGAGAGAGTAAATTTAGATTTTTTCTGCCTTTTTATTCTATCTGGGGCTCCAGCTG	11821

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Table 1. Novel miRNA sequences

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AATGCATGTGGAGCTTAAAACCTAGATGATGTGTTGATAGGTGCAGCAAACCACCAAGTCACATGTATAC	11823
GTAGCACTCCATCATCAAATGCAAGAAATGTATGAGATTGGGCTCAAGCAGGTCCCAAAGGCATAAGCTGCC	11824
GCTTCAACCCAATGAATGTAATAGTGACACTACTTGACTTCTGTCAAGATCATAAAGACTAAAATGGAAGGGGC	11825
GGTGTGTGAGAGGTCTGAGCAGATTCAATGGGGAAGATCAACCCTTAACATGGTCAGGCACTATCCAATCG	11826
TGAGCACATGGAAGAAAGCATCCCTAGTAATAGGAACAGAACCTATGCATGGGCCCATGCAATAGACATGCCCT	11827
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AGATCTTAGTCAAATGACCATACAATGCTGTGTACAAGAAAAGGCCAGGAATTGGTCTTTGGCAGAGTGGCCA	11830
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AGACAAAACAAAAAATTGGGCATCTAGGTCACTTGAAAGAGTGTGGGTTTCTTCAAGGGCTTCTGCTAATC	11840
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ACTTTTCAGGGTTGAGTATGCTTTGGTGGTAAATTATATAAAGTGGTCATACTACCAAGTAACATTTATA	11850
TACAGCTTCTCATGAGGAGTTGCTTTTTTAGAATCATCCTCATTAGGTCTTATCGCTTGCAGTCTGTGAT	11851
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Table 1. Novel miRNA sequences

CTAAGTAACTCCATGCTGGTTGCATGATAGGCCATAGAAAGGTTTAACAGCCACACTTGGTTTCTCCTCCA	11853
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GATTGGCCACCAGTCCCAAAATGAATGTAAGAAAGGGGTTAGGGAAGGAACTCTGGGGCACCACACAATCCTG	11856
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GTTTATTGGGGTGGAAGGTACCAGGAAATATCCCCAGAAAAATATATGGGAAAACCTTGGACTTCATCTTGC	11859
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GCCTCCACTGGCCTAGCCCTACAGTAACTTAAGTGAATACTTTTAGTGAGCTGTTCTGGTACCCTCTGGTCAAT	11861
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AGCCTCTCATGACAGAGCAGCAAACATTGAATATCCCAGGGCATTCCAAAGTGATGCTTTGTGAAGCTTCTCC	11870
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CGGCACTGCTGTCCCACAATAGTCTGCACTAACCACATGGCAGGGCACATGGCTGTGACCAGCTGGCCTTT	11880
GAGTGAGGTTGTTGCAACCTCTTAGGAAGAGTTAGGCAGAGGAGCTGTTTTTATTTCTTCAGGGATGGAATAA	11881
GAAAGAGTGCTTATAGGAATGGTGGCCTTCCCTACTCCAGGGGGCAGATGATGCCACCACTGTAGCTGTACTT	11882
CTCTTAGCAGACCCAGCACTTCCTCCATTAGCATGGGCTGAGATTTTATCCTAATTACGGGGCCTGATGGACAGT	11883

Table 1. Novel miRNA sequences

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AGTAGTTCCATGTGTCTGGAACATTTGGTGATGAAGTGATGGCAAGAATGAAGCTTCATAGACATGTGTGGC	11887
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GTTTTTGATCATGAGTCTGATGGACAGTGCTAGTCCATGTGTCTTGCTGCCCCTTGGACACCACTGGTTGTCAT	11889
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GAGCCCAGCACCATCCAGGATCAGACAGAACTTAAGCCATGAGCTGCCTAGAAAGATCTTGGGAGGGCACTGGG	11902
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TATTTTTGCGGGTCTCATCATTACTTTTGTGCTATAGTACAAACATTCAGGACATGGATAAGATTAGTGAC	11904
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TCTGATCAAGCTTCCAGCACCATTTGAAGAGTCACTAGATCTTCCCTTATGGAAGTTCTTACAGAAAAAGA	11907
TAACTCACCTCGGTCCTAGAGGAGTATCCTAGTACTGCTTGGCAACTTCTAAGACCCTAACTTGTGAAACTA	11908
TGGGTTGCAGATTCCCAGAGTGGGACAGGGAGGCTCCACATTGCCTGCCCTCCTTGGGAATCTACAACCCC	11909
GAGAAGAGACTGCCTTGTGAAAGCACAGACACACAGGGAGAAGTCCTGGTGAGGACCAAGGCAGAGACTGGAG	11910
CATAGTGCATCAGAGGCTAAGTGGGAACTAGCTCTAAACTTTCAAACACTTGTCCTCCAGTGCCACTCATG	11911
CACACAGCAGCAAAAGTGTCCTGAGGGAAAGAGGCCTTAAGCATACAGGTTTAGGGGAGTCCCAGCTGGAGGG	11912
CCAAAGTGCTAGGATCATAAGCATGAGACACTGTGCCTGGCCAAAGACATAGAATTTTAAGTGTGATGGGCA	11913
GGAGGGCTGGCCATCATTTGTGAGGACTGTGGTGTTGAGATCTACACACATCAGGCTGAGAGTTGGACCA	11914

Table 1. Novel miRNA sequences

AAAGTGCTGGTAAGGATAATCTAGAGTTGTTCTTCCACTTGACAGATTAGTACATTGAAAGCCAGCAAGATT	11915
TCTGAGGAGCCTTTTGAAAAATAAAGACATTTGGACCCAGATCCAGTGAGTCTGTTTGTGGGGTGGGCCGGG	11916
GAGGCCCTACAGGCTTGGAGCAGGGTCTACCAGGAATAGATGCTGAGCCTCAGTCCTGCAGAGGGCTGAAC	11917
TAGGCAGGATGGCACTCAAATAATGTAATGTCTGGTCTGGCATAGAGGAACCTGAATGCACTGGCTGTGATG	11918
ATGGTCAGCAAAACCTTCTTGCAGGAGCTGATATCGGAACTGAGAGCTGCTATTGAAGGGAAGCCTGCCATA	11919
CCCAGGAAAGACCATGGGAATTGTGAATGTAGCAAAATCACATTGCCAGGCTTTATATGAAAATGGGATTC	11920
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AGGATGAATGGGCGGACAGGCTGACACAGTCACGTTACTGGAATCCATTATGCAGTCACCGCTTGGCATCTGC	11922
AGCCCATGTACCCAACAGTAACCAAGTACACATTATTTTCAAGTGTACATGGTAGGTACATTTGTCAAAAGAG	11923
ACAGGGTTAGGAGCAGCTGCTGCACTTGGGTAACTCAAGTAATTTAATGCGTGCATTTAACAGAACTGTT	11924
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GGGCTGTGAAGGCTTGGCCAGCTGGCTTCCATACCTCCATGGCAGTCATTGCCTGGCTATGAACTACGGTCTG	11926
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TTTGTTGACCCGCAGGCTGTCAGCCAGTGGGTGAGGGGACTTCAGTTGGGAAGGGTCTGGGGTCAGGAGG	11929
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TTGGGCACCAGCTCGGCTACAGTAGACTAGAGCACCAAATGGATTCCTAAGGTTTCTGACTCCAGGCCCCAG	11933
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AGAGCAGGAGGACGGGGGGATTGATCTCCCAAGGGAGGTCCCCCGATCCGAGTCACGGCACCACATTTCAT	11938
GGATGCTGGGGCTGGGCATGCAGGGAGAGGCTGGGTGGTGTCATCTGGTAACGCAGCCACCAAACACAATGAAG	11939
GGGCTGGGGTTAGGATGACCCCCTGGTGTGGACTCCTGCTACCGGGCCTGTAGCTGTCTCCACCCACACATA	11940
TGGGAAGTTGTTGAGTGCCACTGATGGGGGGAAACTGAGGCACAGCATCACCCAACAAGGTGGGGGCAGACTGAGT	11941
GTCCAGTGATGCATAATGTCCAAGGACTGTTGAGGTAGCTTATCACTGTGAGACACTGGGCAGAGTTGGCCCC	11942
GAGCAATCAGAAGTAACTGGATTTCCAAGGTCACAATGGGGCATGACGTGCCCAGACCGCAAAGGGGCAGTG	11943
ATTCCCCATCTCTTCCATTCAACGCACACTATTTTTTTTTTTTTCGTTTAGTGGGGTATTTGTGTGAGGTG	11944
AGGATAGTTATATTTTATCTGCAAGTGCTAGTGCCGAAAGTGCTGCACTGTACTGCAGGCTACAGTGATCAC	11945

Table 1. Novel miRNA sequences

TCCATTATGCAAATCCATGCAAATAATATGCAAAGAGGCAGTAGCCTCAGATTGTGGGGAGGGGGGAGTGTGTAG	11946
AGACTGGCTTGGATCAGGGGCAGAGGTGCAGGCAATGAGAGGTGCTGGTCCTTAGGGAGAACCAATGAAATTT	11947
TGGTGCCAGGGGGTGGGATGAGAAGGACTTTGGCCCAGGAACCTCATCCATGCGATCTAGCTGGGGCTGCAC	11948
CCTCCCTGGGGGCTCATTTAACCTCAACTCCAATACAGTGGACTAAGGGTGAGCATCTATGAACTAGGCCTC	11949
GCAACGTGGTGTGTTCCTGAGGGTCCCTGCTTAGGGACAGCCTAAGGTGCTATGGGGACTCGTTTTGAGCTACC	11950
CTACTCCAGACGCTTAGGATCAATCAGTTTACAAAAACACACACTGGTCCCTAGCCTTGGGGAGCTTATATTC	11951
CTGGGATGGGGCGCAGGGGACCAGGTATCTTCATCTAGTGCAATGTTAACCTTCCATTGGTCTCTGGGGTCC	11952
CCAAACCATATCAGAGGCTATTCAGACCAGTGGGGAGCACTGGCTTCCCATTAAGCTAGCCCATGGACTG	11953
GGCAGCAGTGAGAGCCACATTCAATCGACAGCTTAAGATAATCACATGTGTGAGGCACTGCAATAATGGC	11954
CACTGTCCACACTCAGTAAGAATTAGCAATGGCAGTGATTAAGAAGAACTGTGAGTCTGATGGAGTGGAGGCAG	11955
CTGTAGAGCGGGTGCTGGCATTACTAAGGGCTTAGGAAGGCCAGGCACCAATGTTCATTTAATGATGCCTAT	11956
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CTGGGCAGCAGGTCTCCAGAAGTGGTCTGTGCCCCGGAGGGTGATCCGGGGCTCGATGGCCTGGAGGACC	11969
CGGACTGGAGACGCACAGCGCCCCGGGGACGGCGAGGAGAGCTGGCCGAGATGCGGCTGCAGAAAGCAACC	11970
CGCGCTCAGGGCGCACGGGCCGCGCTCGGCCGCTGGCCCCCGGCGCGGCGTCTTCCCCAGCGCCCTGA	11971
CCCAGCTGAGCAGGGGCCATGCTAAGAGGAGCCTCCACAGTGGTTCCCAGCCCTGCTTTTTGTGGCTGTTC	11972
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Table 1. Novel miRNA sequences

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CAGATGCATGTTCAAAAGTTTGGCGGTCACCAACATAGCTTACTGTGCTGATGAAGAAATCCCTTTTGAAAGC	11982
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GAACTCCTGGGCTCAAGCTATCCTCCCACTTTAGCGTCCCAAAGTGCTGGGATTACAGTAGTGAGCCACTGTG	11999
ACAATCTCCTTGGCACCATGTCACTCATGTAATGTAGGAATAATACTGCCTCTGTGGGTCAAGTGAAAGAATGT	12000
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CCTCGAGTAGTCAGGTAGTTTATGGGCAATAATTTACCTAGAACCTGCTTTGTCCTCAGAACTACCTTTAAGG	12003
TGTCTTGCAAATGAACTCTGTAGCACTGTGCAGTATGAGTTTGCCAGCAAAACTTATATGACTTATTTTATC	12004
TGTGTGCCTTACCTTCTTTACCTGCAAAGTGCAGAAAATAGCAGTAAACACTTCGCAGGGATGTCGTGAGAT	12005
TTGCACAATTACTTTACTATGCTGTAATATGGTGATGTCGCAATAAGTATTTGGTAAATGAAAATGTGTGACAA	12006
GGTCCAGTATCCCCATGAGCCATCTTGTGCCCAAGTAGCAGCCCCATAATATTGTATGAGTCTCTCAGGGGG	12007

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Table 1. Novel miRNA sequences

CATGTATTACCTTCCAGGAGGTCTCCTTAAGAGGAGGCACTTTTCTTTCCTTTTCTTGTTGCTTGT	12008
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AATAATGTCATGTCCATGGTAACCCCAAAGAACATGAGTCATCATGAAGAGACTCCCACTGGACACTAGAAA	12010
GCCTGGTCCAACTTAACAGCTTCAGAGGTGGCTTCTTACCACCTGCTGACCTATGAATTAAAAAGGCAAA	12011
CACTTTTGGCTTAATTAAGATCTTGGCCTAAATGTTGGCTCAGCCTGAGTCCTTATTGTGAAATAGAAGATGA	12012
ATATTTTAGATTGTTGTCCAGTTGTCTTTTACCCCCATGGAACTTGCAATTGACTGTGATCTGCAAAGAATG	12013
GAGAAACACTTGAAGCCAGGAGGCGGAGATTGCAGTGGGACGAGATCATACCATTGTACTCCAACCTGGGT	12014
TTCTAAGACAACAACTTGAGGGCTGAGCCATTTGGTATAGTAAGAAGAACAGGGCTCTTGAGTTAGAAACA	12015
GCTAAGAGCTTATCATACTGTACTTGGTGAATTATTTTCACTAAGTTTATAAAATACACTTAGTCTTTGCACA	12016
CTAGAACAGGTGTCATCGGTAAAAGTCAGAGGTTGAGTGGAAATCTGTAGAAATGGTGACTTTAAAAACTTGTT	12017
GGTCCCAGTGCCTGTTGTTCCTTTCTTCATGTGCATATGAAAACTTAGCAGCACACATCAACATGGCACATGTC	12018
GGTGGGAGGGGGGGTCACAGTCAAGTGGAAATACCTTGGGTAAAAGTGCAACATGACATAATTATCTGTCCATT	12019
TGTTGTTTGGACTAGGATTTTAAGAGTGTTTCAAGAATGAAAGGGGGCTTAAAGTTTGATCTAACACTAATGCA	12020
AAAATCTTTAATTGCCTATTACCTTGTGGTGAGACTGAGGCAGATGAAGATGATGTGGCTTCAAATCCAG	12021
ATCTCCCAGTTGTTGAGGTGAGATGTCCAAGATCAAGACGTTGATAGGTTGGACAGTCTTGGTATCTTCTGA	12022
TTTCATAAGAGGCTTTTCTCCCACTTATTCTGCAGTTCTTGCTGCCACGTGACGAAGAATAGGTTTGCTTT	12023
AGCTGGAATTCACTATTTTACTTGAGCTACCTTGGTGTGGTAGTAGGTTGTGAGAAGGGGGACATTTTAAA	12024
CCCAGGGGACAATTCTGTGCCTTTTCCAAAGATTATTCTGAGGGCTTGAATATTTAAGGGGAAAAGCAAGCTGG	12025
GGGGGAGCCTGGAGCGAGACCGGATCTCACACGGTGGTGTTAATATCTCGCTGGGGCCTCCAAAATGTTG	12026
GAGGAAAGAATGGTTTTGAGAGTCAAGTCCAGGGTGTCACTGCCCTGTTCAGCCTCGGTACACTGCCTCCCACA	12027
GAGATATCTGCACTTCCTTGTTTGTTGCTGCACTATTCACAGTGGCTAAGATTTGGAAGCAACCTAAGTGTC	12028
CTCAGCAGTTAAATAAACAAAGTCTGCGTTCCCTGAATAATAGGAAGATTTGATGCATGTGCCTGCTGGCTCA	12029
AGTAATTAAAGATTGAACAAATGTGGGCTAAGTACAGTATTTTTGGTCTGTTATTTACCCAGAGTTAATTATT	12030
GTGAATAACACACAAAGACATCAGGTGCCTTGGGGCTCAGAGAAGTGACAAATTTCCAGCCTGAGCTGGACAAG	12031
CCGCCCACCGGCGCTGCCCTTGATTTCTCGCTGGGCCTTAACTGCCTTCCCGTGGGGCAGGGCTGGGGACC	12032
AAAAAAAGTCAGTGTTTTGCTCAGGGTGTTATTTTATACCGTGGAGCTTAGCAGGTGATAAATCTCATGTAA	12033
CTCTAAATTCAGTGAAGTCAGTAAATATTTCAGAAGCTACTACATGCTGCATGAGGAAATTGACTCTCAATA	12034
CTATCTATTTGGGGGGTGTGCATAGTGGAAAGTTTATGAGTCATTAGACTTATACACACCTGAGGTCACTTCC	12035
GTGGGAGGGTGATTGGATCATGGGGGTGGATTCTTCATGAATGGTTTAGCACCATCTCTTTAGTGCTGTTGT	12036
TATATTCCCTGGCTGGAGCTGATGTGATTTAAAGCCATCTGTTTCTTTCACTTGAAATGCAGTTAGCTTTGTAT	12037
GCAATAAACATGTCATATGATTATGCTTGTTTGCTAATGCCACACATGCTACACATGGTCATAGCCAATGTTTC	12038

Table 1. Novel miRNA sequences

TATTAGCTACTTTATTGTCAGTTTCACTTTATGGGTCTCTGTCATCTTTAAAGTGGAATCACTACTCCAGAGT	12039
GCTATAGAATGGCTTCCACATTGAGGCAATACATTCTTAAGAATATATTGTTCTGAGCTGAGTGAGAGATGTCT	12040
AATTGAGGAAGGCATCAGACTAAATCCATCTACAGGCTAGATTTGAGTGAATTAGGGTTTTTCAGGTTTCCTC	12041
GGAAACTGACCTATTCATTGACGCATTCTGGTTCTGAGAACTGGCGCAGGTCAGGAAATGGGACAAGAGATT	12042
CCTCACCCTATCTGAGGGGGGCAGCTGCTATGCAGCCAATCAGTTATTCTTGGTGTATCATGGGTGTAAGGC	12043
AGTAGCCACTAATACTAATACTTGTGGTTCACTACATACTTATTGAGTGAATGAACAGCCTTCACAGATGTGGT	12044
TGAAAAGCCCATGGCTCTTCCCTCACAAATATTGCATGACATAATGTTATTTCCATGCACTTTTCATATCATT	12045
ATTGAGTGTAATCCACACACTTGCTTATTTATACACTATATACAGCATATGTGTACAGCATTTGGTGAATTAA	12046
AATAAAGAAGGTCGGCTGTGATGAACTATACTCTCTGTAGCCTCTCTCTGACAATTTCTTTATACCTATAT	12047
TTGTAAGTAAAGTGCACAGCCATGCCTATGCATTTAGTATTGTCCATGGCTGCTTTCACACTACAGTGGAAATT	12048
AGGCTGACTCTCGTTAGGATGTAATGCTGCTGGTGACTTGAAGTTGAAGCCAGTGCTCATTTACCATTCTAAA	12049
CAGGGCCAGAACTACACAAGGGCCCAAGGCTTTGGGAGCCCACACCTTGTACCAGTGTGGCCTTGATATGAG	12050
CAAGTGTGAGAGATTTTAACATAATAGGGAATTGTAATTTTCGTGTTAAAAAATTCTTGAAAACATTTTTT	12051
ACACAAAGCAATAGTGCCCATGCCATGAAGAATGGCAAAGTAATTCCATCTGAGAGCATTCTTTGCTACA	12052
ACAAGCATAGCTTATAAAAATGCTTAGGCTGGGCACAGTGTCTCACACCTGAAATCCCAGCATTTTGGGAGGC	12053
TGCTGGGCTCAGAGCCAGTAGACTTGGGGTGCATGCAACATAATCAGAAACTAACTGGGGCAGCCAAGGCA	12054
GAGCAGACTTTACCCAATCCCCTAGAGGAGCAGTTTAGCACGTCGACTTGCTACTTTTACGTGTACCTCTCA	12055
TAAACATTAACATTTAGAAAGATCTCTACTGCATGAGCTACTAATGAGTTCATTGAGATCCATCATGCAACC	12056
AATGGTTCAACCTAATCCCAGGTACTGTGTTTGCAAATGGCAAGGGGTACCTAACAGTTGCGTTTTGATCCT	12057
GCCCCGGGCTTCAGTGCCTGGCTTCCTTGAAGTCTTCCTTCTGGCCGATGTTGCCCAGGTAGGCAATGATGT	12058
AACTCCGATGTACATTAGGGATCCTTGTCTATATAAAGAGAGTAGATGGAGTTATTATGCTACATAGAGTGA	12059
GGCACCTGCAAGCAAGAGAGGGTATTTCAATTTCCTCTGAATAGCTTGACTAATGATGATCACTTGCTAT	12060
TGGTATGCTTGGGGCCCACTCGAGTTGCTAGTCACCTTGAATTTTCCAGTACCCAGAGGTATAACCAGTGAA	12061
CAAGTCTTGGGCTAATGCCTGGCCAGATAGATGGGGGCTATCCCTCAACCCTTAGGGTAAAACAGTCCAGGT	12062
GAGGCTAGAAGCCTCAAGGTGTCAGTGGAGCTATGCTGAATCTCTAGGGGAAAATACCTCCTTCTTCACAGGA	12063
AACTGGGAACCATCACTCCTGACGGGGCAGGTGAGTGCGCCTTTACCGACTTTGGGAACATGCAGTGGCTTCC	12064
TAACTTCTAAATGATCGACAACTCTCAAGCAATAACTTGACTGTTGAATAGAAGATTAAGAAAAGTTGGTTA	12065
GAAGTTATCTTTTATAAGAGAAATTGACATCTATAAAGGAAATCTCCATTTGTAAACATGTCTCCCTCTTTA	12066
GATTCACCATAACCCAAAGGCCCACTAAACTGTTGGTCCCAAACCAAAGTGCTCGGCTTCTAATGGTGATTTCA	12067
ACTAATGATTGCTATTGAATATTCCTCCAGAGTGGGTTAGAACTACCTACAGCTAGCACAAAAGGCAGTCGTC	12068
CATATTGCTGCTCTATGTTGACAAAACAAGAAATGGCTACTACATGCCCATAGTGTTTTTCTACAAGTGG	12069

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Table 1. Novel miRNA sequences

CATACCAGAACCTGTGGGTTACAGCAAAAGCAGTGCTGAAAGGGAAGTTTATGGGGTTAAATGCCTACATTA	12070
ACCATTGCAACAAATCTTTCACCTTGCAGAAGCTGGAAAGGGAGAGTCTGCAAATCCCAGGAATTTTTCATTAA	12071
GAGGTTTGAGCAGGATGTTTACGAAGAGAAGGCTGAGTCTACATGACATCGTAAATCTGCTATAAAAGT	12072
CAGTGCATTATTACTTTTGGTATTAAGCTTAAATAATTGTCTACTTACCCTGAGCTGGTAATAGCAAAAATAC	12073
AATCACCAGTCAGCCCTGCCACCGCTTAGTTCATCTGTCAGCCACAGAAATATTTTGGCCACCATCACTGGG	12074
CCTGGGGTAGTGACAATGGCCTTCTGACCCTATGGCTCTTCCTGACTGTGGATAGAATTGATAGCACTTTTTCA	12075
GAGATTAGCTTTGTTGGACTGCCACAGAGAATGGTGCAGCCTGTGCAGTTTACCTGTTACTATTTTAATCTC	12076
TGAGGCCTAAATATGAACCACAGTGTTTAAGCTTTTTAAATGCTGCTGCCATTTCATAAAAAATTGCCCTT	12077
AAAGAGCAGAGCAGAGATTTCACATCAGCCTGTCTTGGTGTGAATCCTGCTGAGTACATAACCAGTAATTT	12078
TGAATCATCTTGTACGTACAGCTCAGTCAATACGTCAGAGGACTCTAGTTGATCTCTGACTGTAACTACATG	12079
GGAGATGACCTATGGGCCAGTTTCACTGAGGAGGGCCAGGCAGCATGAGCTCCTGGTGCTGGTGCGTGACCAA	12080
TTCTGTAGGGACTTTCTCCGCCACTGAGCTTGGCAAAGAGTTCATATCTAATCTAAGTTCAACACTGCACT	12081
CTGGATTGGGTTACATGGGTGTAGAGAGTTATCAAAAGTGAGTAACTATAATCCTAAAATCGAT	12082
TTATTTGAGATGGGATGTCACCCAGGATGGAGTACAGTGGTGTGATCATGGCTCACTACGGCCTGGAACCCC	12083
CCAATCAGGACATCCACAGTGCAGGCAGTGACTTTGCTTCAGATGCAGCTGCTGTGCTTTAGAATGTGCTCCGG	12084
GGTCCCTCAGCGGCGGGCGGCGCAGCGCACTCTCCAGCGCCGGCGTCTCCTCCAGCCACCAGTCTCTGCCGCA	12085
CAGCAGAGCTGGCAGAAGCCTTCCGCCAGGAGCAGGGTAAGTAGCAGGCTGGCGGCAGGCCTACCCTCAC	12086
GGCTGAGACTTGCCCTGTTATCACTGTGTTCGCCCCGCCTTGATTACACAGCATGAGCAGTTCAAGGGCAGGC	12087
TGAGTAGCTGTGACTATAGGCACGTGATGCCGCATGCGGCCCAAATCTGTATTTCTGTTTTCTCACTTGCTCA	12088
GAGAGGGCGTAGATGCTGGCATAGTACTGCATATGAGGATTGTCCTTCATGCTGTCACTCACCGAGGTCTCGTT	12089
CTCCTTAGAACAAGGGGCTACGTGCCAGTCAGTTAAATGTCATTAGGTCCGCTTTAGGCTGGCTGAGGGGGA	12090
CATCCCAGGGTACCTCAGCTTCCCACACCATACCCCACTTCATCATGGGGTAGCTCAGCTCCCCACACCATAC	12091
CCAAACCCAGCAGACTAGGAAACGGTTGAGGCTAAAATTAGGATCCCTACTCCGTGTCCTCAGACCAGTGG	12092
AGACCATTTCATCTATCATATTGGCAAATCTTTTTTTTTTTTAAGATAAAATAAAATGCCAGTGGGGGTGCGTGTG	12093
ATGAGGTATTCATCTGTCACTAGTTCTTTAATTTGCCCAAAGGTCATAGGTTATCCAGCTAATGGTGGTGAC	12094
TAAAAATCAATTAATAAGCCGGGCGCGGTGGCTCAAACCTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGGC	12095
CACTGCCCTGACTTGCTGAAAGAGACTTCTTTTCAAGCAGAAAAAGCCAGGAAGAAAGCCAACATTGCTGAAG	12096
TATACAGTCTGCCTGGCTTGACAAATTTGACTTGGGGGCACCTTGAGTGGGCGGAGGGCAATCAAAGTGAT	12097
ATCTCCTTGCCTTAGGGTTTAACAGCCAAGGAGGGAAGAAGGATGTGCTGGGGAGCGGGGGAATAGGGGCCA	12098
ACTGGATCCCCGGCCTCAGCTGAGGGGAATGTTTCCCTAGACCTCTTCCAGGTGCCCCCTCCAGTGACCCA	12099
GCTGCAGCTGTTCACAGAGCTTCCGAGATGGAATGATATTCCCCGACGGGAGAGACTCTGTGTGTGGGAA	12100

Table 1. Novel miRNA sequences

ATTATGAAGCTACAATTATTATGAGGCACAACAGCAGAGGTGCCAAGAGTGGGGTCTTTGAAGCAAGCACTC	12101
CTCGCAGTGATATTAGGGATCCTGCAAACTCCCTTTTCGTGGGGTGCAAATACCCCAAGTTGATCACAAGTT	12102
TAAAAACAGCTCCGCGATTTGACCTCACCCCCTGCCGCCGGACCACGGTGGTGTCTGCAGCCGTGCAGCTAGTT	12103
TCTATGCTTCCACCTTGTCCTTCTCAACAGAGCACCCAGAGGGATTCTGTGAAAGTAAAATTTAAACGCTGTCT	12104
GCTGAAAGCCCGAAGGTCTGGAAACCTAAGGACAAAGCAGTGTGGTTCAGTGGTATGGTCCTGGGCTGAG	12105
ATGGGTCCATTGTAAGGTGTAGGAGGAGAGTTGTGTGACAATGGAAACAGAGATTATATGCATTGAAGATGGA	12106
TGGCCACTGGAGGTGACCAAGTAGATGCCAGATATTCATGAGGTAGTAGGTTGGGCTGGGTGATGTTTAAGGTC	12107
ATCTTTCCAAGAGATTAGCACCATTTCTTTATGGAATCATATTGTTGTTCCATGAGTGAGACCAAGTCTTA	12108
CTAGTGATCCATATTGGATGGATGAGGTATGGATTAGAAAGGTTTATGTAGCTTACCCAATGTGGCAC	12109
CAGTGTCTAGCCGTAGAGGTGGTATGATAGTATGATAATTCCACATGTCCTGCCTTCTGGGCTTTTTGACATT	12110
TATTTACACAGTTGCCTTAGGAGAGGATCACAACTTGGAAAGCTTGAAGCTTCTTTATTATAAACTATGTAG	12111
AACAGCTGATACCATTCCGAAAAACTGAGGAGGAGGGAGTTATCTCCAACTCTTCTAAAAGGCCAGCATC	12112
TGGTGAATGATAGCTTCTCTTTGGGGAACATGTGTGCTCCCTCAACTGAGAGGTTGTCTTTATTAAGTAAG	12113
GCACATGTAAACATCCTTGACTGAGTCCCTTAACACCTAAGTGGAGGGACAGAGCCTGCAGTCAGTCATTGGA	12114
ATAAAGAGTCCAGTTATCTGAGTTGGTGTTCTCAAAACAGGAAGTGGCTCTTTTACTAGAGTTGGAACAT	12115
CATGTACATCACCCCATAAACAGCGATTGTTCAAGCTAAGAGTCAGTGTGTCCTGTGCTTGTGTGAGGT	12116
ATTCTCAGTGTGGCCAACTAGGAAACCTGCATTCTTTCCGTTGCTGAGTCACTTGCTGGTTGTACAGGCTTG	12117
GAGAAGTGTGGGGGCTTGCATGGGTGACATTGCATTCCTGGATAAGCAGGGAGAAAAGTCATAAAGGACAGCCA	12118
CTCTGGTCTCGCCTGTAGTCACAGTCAGATAGAGATGCTGAAGCAGCCTGAGCCTCCCAGGAATCCCTCTCTT	12119
ATCTCCTGCCCTGACTCCCTGCTCAAAGCCTCCAGGCTCCACAGAGGCCGACGCTTCCAGCAGGAGAGAGGGG	12120
TCAGCTTAGACCAGGACAGAACTGGCTACTTTCTTGCACCACGTGGAATAATTCAGTCCATGGCCTATCACA	12121
TCTTAATATCCAAGTGGTGATATCAGGAAGAAAGAAGATTTTGAGGATGATGCCACGTAGAGATGAAGCCA	12122
GAAATGAAATCCTTGTGAGTCAGGCAGCCATGCCCCAGCACCCCCATGGCTACCAGGCCTGTTGTAGGGCTA	12123
ACAGATGCGTGCCATCATGCCTGGCTTAAGCTTCTATCATCTTACGCCACCTAGTTCGTGGTACTTTGTT	12124
TAGGCTGGTGCAGAAGTAATTGCGGTTTTCGCATTACTTTAACGGCAAAACCACACAATTACTCTTCCACCAACCT	12125
TGTGACACTGTGACTGAGGCCCGTCTCCTCCTGCCACGACGACTCATGTGCCCTGAGAGACAGGCTCCCTCTC	12126
AGTGTCTGCTAACATGCACTGAACCCCAAGTAGAAAGGGGATTAGGTCCTGGGGGCCGTAGATGTGGTTGCTG	12127
CGGCTTCCTCAGCGAGCAGTAGACACGGGGAGGGCTGGAGTTTGCTTCTGGCCCCCTGAGGACAGGGTTCAG	12128
AAATGAAAAGATATTGAGCCTGTCCTGGGGCCACATCCCTGAGATTTCGTGGTCAAGGGTAAGAGTCAGGTT	12129
GTTCACTTGAAATAAATCCGGGTATTTTTCTTGAATGTCACACGCGTCCAGGTCATACCTGCGGTTACAAGT	12130
ACTCACGGTCCACATGGCGCTGGAGCGTCGGGCACCATCTACAGGGCTTGAGGCCAGCCTAGCCTCTGGGT	12131

Table 1. Novel miRNA sequences

CCTGAACTACAAGAATAATTTAAAGCCTGTGTATGTGAATGACCATATACTACATGCCATATTTTGGTATCTT	12132
AGTGGTGTCCTGTGGCAGGGCTCTAGGGCTCTCTACCTGGTGCCTAGCCCAGGATGAAACTCTGACACGCTG	12133
CTCTCTGTGAGGAAGGATGGGCTGGTTAATATTCCCTAGGGAGGGGTCACAAACGACCCATGGGGGTCACAGAG	12134
AGCTCTGGAGCTAAGTGTGGGTCTGAATCTCCCCGCGAGGGTCCAGGCCTTGCGGCCACAGCAGCAACAGAAGC	12135
TAAAAATTCTTTGTTTTTGTCTTTGTTGGATTGGGTTAATTCAAAAGCCTTGTCTTCAAGCTGTGAAGTTTTTT	12136
TTCTCTCAGTGCATGACAGAACTCCACTTACAGTATATCAGCAGGGGGAAAGTGTCCATGAGTGGGAGGTAG	12137
TCGCCGATAGGCTCAGCGACTACAACTCCCAGCAGGCCACGCGCCGCGGCCCGCCGTGTACTCTTGGCGCAGG	12138
GGCCTGGCAAAAGAATGGAGACAGGGAGAGTGGCGGTGTTTATGCGTCAGTTTGCTGGGCGTTTCATTCTTGGG	12139
CCTGACTTCCTTGCCAGCCACAGGGCCTCTGTAAAGGCCTGCCTCGCGCAGGTGTTGAAGTTTAGGGACACCTG	12140
ACACCCACCCACCAGGAGCCTGGCACTGTGGCCGCAGCACTGAGCAGTGCCCCGTTTCTGTGGCAGGTGTCCAT	12141
GCAGAATTGCTTCTCCTTCTAAGCTTCAGGTAGTTGTTCTAAAAAATGGGAGGGTCAGGGAATGCTGGGGTGCC	12142
AGAGCCAAGGATCCAGGGTACCCACCTGCCCAGGGGCTGAGGAGCCAGCGGGGCGGGGAACCAGTTCTGGC	12143
GGCGGGGTAGAGCCGGGCTTCTGGACATGTGTGGTGTTGCAGGCCCCTTCAGAGCCCTATGAACACTCCAGGC	12144
ATGAGGCTGACAAGGGTTACAATGGGTGACATTCACAAGGAGAGAATCTCTCCCTTGTTCCTTGCAAAAGCCC	12145
TCCATTTCCTCATCTGTAAAACGGGACTGATGATCCCAGTGATGATGTCATGCAAGCTGGCTCAGTGTGG	12146
CACTTTGTGCTGTTTTGCGGGTTGGTATTTGTTTAGCTGGCAGATGTGCTCTGCATGAACAAGTCAAGGGTG	12147
CGTCCAGCCCCTACTCTTCACTCTCCATTGGCTCCTCTTGACCCCTTTGATGGCTGAGCCAGCAGGAGCGT	12148
ATACACTGCTGGAACTCCACTGGGCTGTGTTTCCTTGTGGGATGCTGCAGCGAGAGGGATGGTCATAGTTCCA	12149
GCGGGGGAGAGAAACCACAGGGTACCTGGATTCTTCAGGAAGCCAGAGAGGCCCCGCCCCACCTGCCACAATGG	12150
GCTGTGGGCGGGGAGTCAGGGGCCCAGGGCACGGGTCCAGTCCTGTCCCTGACTGGCTAGTCCACAAAAGCC	12151
TTGTGGGGTCTGTCTCCATCAGATCGACTCTCCACTTATTTCACAAGTCTGATGTGAAGAGACACCTTGGTG	12152
TAGAGGACAGTGATGGTGGAGGCAGGGAGGCCAGAAAGGAGGCTGTCTCAGTAATCCAGCTATCAGAGGGTA	12153
AGAAGCCAAGATGGCCAGCACCAAGCCCCTTCTGCATGTCCCAGGGGGTGAGGAGGCCAGGCCAGGGAGGG	12154
TAAAGCGCCCCACGGCAGTGATGAATCCCGGCAGAGGCCTCTGACCCCGGCGGGCCTGTCGTCAGGGGTGC	12155
TCTGCCTCCCGCCTTTTTCTGGGGACCAAGGGGTCTGACGTATTCCGGATGTGGGAAGCGCTATGCCCGCT	12156
AATATCTACTAAAAAATCCTGCCATTGAAAGAGCTTCATAAAGTGACAGAACATTTCAGCTGGAAGGGACC	12157
ATCGTGTTTTGGGAGTCCTCAGGGCAACCCCAGCGTTTGGAGATTACCTGGAAGGACTCACGGGACTTGGCA	12158
CTCCCCATCGGGGGCTGCGATTAGAGGACTGCTCGCTTCCAGTGATGCTTCCCTGAGGATTTGAAGGAGACGGG	12159
GGGTGTGTCACATTGCCAGGGACAGTTTTACCTTCCTCCGCCCCTCCCCTCTGTAGGACTCACCCAGCATCTC	12160
AGGTGTGTCTAAATAGCCGTGAAAGGGCTAGGAAGTCACAAGTCGGCCTCTTAATTTTTACGGATGCCCTTAAA	12161
GGCCTTAATGTGTAGAACTGCCCTGAAGCCAGTGGGAAGCTACTGTTGGGTTTTAAGCAGGAGGCATGGAC	12162

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Table 1. Novel miRNA sequences

CCCTCCTCGGCACTTCCCCCACCTCACTGCCCGGGTGCCCACAAGACTGTGGACAGTGAGGTAGAGGGAGTGCCGAGGAGGG	12163
CATAACGCTGGGGGCGGGGAGCGCAGGCCGGGCCAGCGGCGCCACACGAACGGCCCCGCGGGACGCTGCCACCC	12164
TGGTGGCATTGGAGCTGAGTCTTTGATAAATACCCCAATGGCTTATGTACCAATAGTCATTTTCCCCTCTCCA	12165
TGTGTTGTTTCTGTGGGGGGTGTCTTTGTTAATGAGTTGTTAGAGAACTTTAAAAACTGAGGCTATTCAT	12166
AAGGCATCTCAGAATAATGGTAGCAACAATGAGAGTTCCAATAGGTAATCTGGGTGGCCAGAGAGAGAGAGA	12167
AAGGTATGTACCTCCTTTAAGCTGCTTGGGACCTCCCATTAAGTAGGCCAGGAAATTTTAGGATGGGAAATA	12168
ATAGTGTATGATGGTTGACCTTCATGGGTGGCAGTTAGCTTGCTGCTATCTAGGGTCAATAGGCAACTAGAC	12169
GCGTCCTGCCACTCTCCCACCCCGCGCGCGCCGCACTCACCTGAGCCGCGCCTCTGTCCAGCCCGTCCGGCGC	12170
GGGGAGGTAACAGATTTCTCCAAGATGACATACATGTTTTTAAATGCAATGTAGTGCCTTTCCACTATGCGA	12171
AAACATGAAACAATGTAGCTCATCAGACTGAGCTTATCATGCAACTGGTGGGCCAGAGTTCATTAACTATTC	12172
CTCCTCATTCCTTAAGTGTAGATCCCTCATAATCACTTCCTTCCAAAGGGTATACCATGGAAAGGGAATAAAAA	12173
TTTTATGGGAGGTCTTAGGGCTATAAACATGCTGATACACTATTCACTCCACAGCAGGTGTGCAATCACCCA	12174
ACAACTTTTTCCAAGAAATGGAGAAATGTCTCTGGTGTCTATGAGAGTATGCATGGGGAATTTTTCACCCC	12175
AAGTTAGGCACCATCTGGGTACTCTGTTCTCTCTACCAGCATCTGTATCCAGACAAGACAGGCTCTCGTT	12176
ACACCCCTACCCTAGACCTACCACATCAGAATCCTCAGGCTGGGGACCAGGAATCCATATTTTAAAGGTGC	12177
GTGTGTGTGGTTGCTACTCTCTTCACATTAGTGAGGCTCTTTAAATTCCTGAGACCAGCCAGACACTTAGAA	12178
TGGTGCCCATCTGTTGGTTCTGGCTCCATATGTATCTTTACTCTGGGATCAGGCTGAAGGAATTTCCCCGCT	12179
TTTTTGGTTGTGGGTTGCTCTATAGCGTTGTTGTTGATTTTCCCACTGGAGCCAGCACCACAGTGTTGTTT	12180
CTAGGCATAATAGCTGGGTGACGAAGTGATCTGTACAACAAACCCCCGTGACACAAGTTTGCCTGTATAACAAA	12181
TTCAAGGGCCCTACAGTGTCTGTTGAAGCTCATCAACTGTCCCATTGTAGTGTAGAAGCAGCTATGGACAAT	12182
GACTACTTGAGCTTCTAAACATCTGGGATCAGGTGTAACTTTGATGGTCCAAGAACAAGTGATCTGTCAAGAGG	12183
ACTTACATGTATTGATTCACTTAATCTTTACCACAACTCTAAGAAAAGGATTAAATGAGTTAATACTTGCAA	12184
CCCAGCTCACAGGTGTGAAGGAAGGTCAGTGCTTTTGGGTCAAATCCAAATACTTTTCTTAACTTTTATGTGA	12185
CCACAGTACTTTATTGTGCCCAGTCAGTAAGGTATCTTTTAATGAGGGTACGTATATTGTTATTTAGACAT	12186
TGTTTACCACAGGGATCTTGGTCCTGATCACAATTCATCATCTTCTGATATGGAATCTAGGTAATCTGTGT	12187
TTGCTCCAATCTCTAAGTGAACAATGTTCAGTGTTATAGTTCATAGAGCTGGTGGTTCAGTGGTTCAGAA	12188
CTCCATCTGGCTCTGCTTTTTGTCATCGCCCCACAAACAACGAGCTCCAGGGAGCACCTGCCATGATTCCCTT	12189
TAAAATGTGGTGTTCCCGTGGTGATCAGTGGAGGTCTCTATGTGATCATCTTGCTCTGCCCCCTGAAATGAA	12190
AGCTAGGGAGCTAGTGGAGTTGGGTTTCAAAGTCAGACCATCTGCCTCCAGAAGCCCCACTGCTGACCCCAGCT	12191

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Table 1. Novel miRNA sequences

TCCAGCAATGTTTCATATCTTACTTAAAGTGAGATCTACCCCAGAGACTTGGTGGTTCAGTGGGCAATCA	12192
ACTTTCAAAGTGCTGCACTGCCAGCATCCTCTGAATCCTGTAGGGGCCATGTGGAGGAGGCTGGGCAGAA	12193
CTGCTGGCAGTGCAGCACTTTGAAAGTTTATGAAGTTTTCCACATAGGCAAGATGCTGTACATGTCTAAG	12194
CTTCCATTCATGTGGGTGATGCTGCTGAACATGTCAAGTTTGTACAGGACATGACCTTCCCTCCTGGACTGGA	12195
AGTGCCCATTGAAACATCTACAGAGGGGTAACTTGTCATTTTTATTGCACAAGTGAGGGTGCTCCTACGGTG	12196
ATTAACTCCAGTATCACCATCTGTATAGAGTGTATTCTCACCAATCAGAACAGATACCCACGTGATATAGGT	12197
TACTGTGGTTCAGGGACTGTCCTACATGGAGAGGTCCAGTACCTGGACTTTGGGGTCTGATAGTCCTAGGTTT	12198
GCTGAGCCGCACACGCTGCAGATAACGCATCAATTCCAGGAAATGTTATCGCCAAACACTGCCTGCGTCA	12199
AACACACTGGACTTGGAGTCTCTCTACTGATTCCCCTGATGGGGTTACACACTTATCTTTGAAACTCTGTTTA	12200
CTCCATGACTCTTGCATTCTGTGTGCCTATGGGCTTAGCACCACTTGAAATCCTGCAAGTCTCATTTGCC	12201
TGTGACAGAGAAGTGGTTCAATTCCAGTCTCTAATGAGTTGTAGGGAAAGGCAGGAAAAGGAGCGAGATTGCTG	12202
GTGTAAGTAAGTGGGTCTATGATGGGATGGCATGTACAGTCACAAGCAGCCCAGCACCAGTGACCCATGGT	12203
TTACGATTAATCTAGGGGAAGCAATGTGGTTATAATTTCTACCCAATTCTGCTCCCTATAGTGGGGATGT	12204
TTATTTCCTGATGATATGGGTTTGGCTGTGTCCACCACCCAAATCTCATCTTGAATTGTAGCTCCCATAAT	12205
TTTGGATCTCCCACAAAGTGTACACTGCATTGACGAAAGGGCTGTGGCACTCAGTACGTACCCAAGAAGTAT	12206
AGTAAAGAACACACATTCACAGTGGCTAGTTTCTATTGCTTATGGAAATTATAACTGGAGGATTAGATATTTA	12207
CACCTTGCCTCCTAAGAATGACTAATAATAAAAACAGCATAGGCTTTGTCCTTGCTCCCCTTCCTGGAGAGGC	12208
CCCACTAAACCTATTGCTCCTCCATAGAAAAATAGTTATGTTAGTCTGTCCCACTGAAGAACTGGGACGGGGCA	12209
ACGGACACATGTGCATGTACACCACACACACCAAATAACACAGTGTAGTACATGCAACAGAGAGCACGT	12210
TGAGGATGTAATTTGCTTGGTCTTAGAGACTTAAATTCAGAGTGGCTAAGTTCCCTTTTTACTATCTTTTTC	12211
TAAGCACTTCACTTCTCGATCATACAGTTTATTCAATATTGTAATGAAACTTTTCCATGAAGTGGAGCGGGAA	12212
CTGGGTTGGGTGGATGTAGCTTTGTGAGCCACTGGTGACTCGGTTCTACCCTGTAAGCTTAGGCACAGTGAGA	12213
GAACAAGAGAATGATATACAGTAATTCAGGATAGGTTATGTTTACCTGTGCTACCATTCTGTTGGGGGAGAA	12214
TCTGCCTCAGCTTCCACCCAGGCTGGGAAGGACACAGGGAGATGCGGAGGTACAGATCAAACCACTGGCTATTT	12215
AGAATAGGGCTGTCTGAGCTGAGTGAACAGCATCTGTTAAAACTCAGAGGCAAGGAAAGCATGATGGGCTTA	12216
GGGTGCTCCATAGTATGCATGGATCCACATGGTGGAACGGGCATTAATTGAGCGCAGGGAACAACTAGGATTT	12217
GCTGCATGGAAATGGGCACCTTGCAAATGTGCGTGGCATTTGCTCCAGAGCTGTGCTGTCATACCTATGA	12218
CCTTTTTAATCTCTCATGTCCAGTTTTTTTTGAAGGTATTTGCAAAAGGTCAGGGGGCATTTGGAGAGGATGTGG	12219
AGTTACTCAGGAGGCTGAGGTAGGAGGTTGATGCTGCAATGCTGAGACGGCAACACTGCACTCCAACTTGGGTG	12220
GGACTCTACTACCTGTCAAATACTTTGCAAATACTGTGACACTTGTGGGTAGGTATATGGTCCTCATTTTGC	12221
AATGTTAGACTAGTTGCATAATAAATTTGGATTCAAAACCAGAAATGAAGCCGTCTGGTATGGCGTTTATT	12222

Table 1. Novel miRNA sequences

GTATTTGTGAGTAATCCAGGCGCGTACTATCACTGCAGATACAGAGATGGAATGTCTGATGAAATAATCAT	12223
GTCCTGCTGTTATAAATGTTCATGTGTGAGGCCAGGCGTGGTGGCTCACACCTGTAATCCCAGCACTTTGGGA	12224
TCTATTAGCCTGGTGTTGTGGTGCTTGTCTGTAGTTGCAGCTACTCAGGAGGCTGAAGTGGGACAAGAGACT	12225
GCCTCTACGCTTTCTTCGAAGCCCCCATGGGGCTGGCAGGAATTTGGGCTTGGGGAGTGTGACTCAGTAGA	12226
GTGTTTTGGATGTGGCTGGGCCCATGGGAATATCCCTGGAACTAATGCACTAGACTGGTCTCCCAGGGAAGCT	12227
GCAGCTGGTTTAAATTTCTTCTCAGAAAAAGGGCTTTTCTTTTCTATCACATTGCCAGCCTGCAAATTTCC	12228
AAAATGGTGTCTTCTGGGAGAGGTTTCCATGGGCTGAAGAGAAGCAGCAAGTAGACCTACAGGCATTA	12229
CTCCCCGCCTTTAAAGTGGCTGCCTTTTCAGTTTTCATCCAGAGGCTCTGCTTCCCAGCCTGTCAGAATGGT	12230
ATGATAGCCTAATGAATCTAGTTATGCAAACCAGTGACCTGGGATCACTGGTGTGCTGGGGCCAGCTACTTA	12231
TCTGAGGTTTTCATTTTGGGGTATTGTTTTCTGAGCCCCAACAGTAGCCTAAACTGAAAGACCCTTTTTTCA	12232
AGTAATTGGTAGCAGTTTCATGCAATCCCTGCACTTTATAATTATAGGAAAGGCTGCTGTTATCCCAAAA	12233
CCTTGTCCCTAGTCTCTGTCAGTCAGAAGTGAGAGTTGGATTAGAAGCATAATGAAACAGGCATAGCAGGG	12234
GGACTTTATGGTTGAATCACATTGCCAGGGTTGTTTACATTCCACCTAATTGTGATTCTGCACCCTTACG	12235
GGCCAGAGTTTGACTGTTTATTTCACATCAGTTATCATGAAATTATTCATAACAGGAAAACAATACTGGGT	12236
AAGAATTAACACCAGTAATAAAAAGACAACACTCTAGTTGGAATGTGTCTCAAACTCATGATTTGGTGAATTTT	12237
AGATTGAGTTCCTTGAATAGGGTGAATATGTCAAACAGGTAAGCAAGTTTTGCAGCGCACTCTGTGTCACTGA	12238
TGAGGCAGAAAACAGTCAGTCATTGTCAGGTGCTTGGGGTGGGGCATAGGCAGGAGAGTGACAAAAAAGTTGC	12239
GTGGCTATGCAGTGGTGATCCATCATGGTTTTTTATCAATCTTTTCCAAATGCTTAGGTTGTCCATCACTGTAT	12240
ATGAGGAAACTACAGCCTTGATATATCTGAGTGCTGATTCTCATTCAGGATCGGTATGACATGTTGTGCCTC	12241
GATTGGTAGTCCATTTGGAGTAGATTTAAGCCAGACTTTAAAACCATAATCTGCCCTTGACTATCTAGGTCAA	12242
AAGGACATGTGTCACATTTCCCCCAGCAATGAGATTAGCTCTGTGCTGCTTGAATGTATGAGAAAAACAAGCC	12243
CAGGCATTGTGCTAGGTCCTCGGGATGAATAGATGGATAATTAATATTCTTGATATTCATGCTTACTGTCCAGC	12244
CTGTTGTTTTATTTCTATGTACGTCATATTTAGTGCATTTAGTGACATTACATTTATT	12245
CTGGGGGACAGTGGCTTGATCTAGGCTCACTACAAGCTCCGCCTCCCAGGTTCACGCCATTCTCCTGCCTCAG	12246
CTAGCTTGTGGGGTTTCTGCTGAGAAATCTGTTATTAATCAGGTAGGATTTCCTTTACAAGTTACTTGGTGCT	12247
GGCTGCAGCCATCTGAAGGCTTGTTAGGGCTAGTCTTCCAAATTGACCACACAGAGGGCTGACAGTTGATGCT	12248
TCCAGCAATTTGAAGATCATCTTAGGCATGGCATGCAGAAAACATGAGATGATATATTTTAGTTGAAGACAA	12249
TTTCATAGATGGGTGAATGAATTGTGAAGTCTTGGCTTTGTGTGTACCTATCATGCAAACAGTGTACA	12250
CCCTTGAGCTAACACTGCCCAGAGAATAATGTATCCTCTTTGGCCCTGTGCAATCACTCCTGCTTGTGGGGCA	12251
TGCTCCCGCGCCTCGCCTCGGCCGCGCTTCCTCTCCGCCCGCGGGGGCGGGGAGCAGGCGCCCCGCGCGGGGG	12252
ACTCAGTGTCTGAGAGGTTTTGCCTGTGGCTCATCCTGCTACAGTACTATTATCATTGTCATTTTATGCA	12253

Table 1. Novel miRNA sequences

AGAGCATGCCCAACCTGCACTGGAGTCTAGTTTGTCCATGCATGTCCCAACCCCAGCCCTAGGTTAGGTAT	12254
AAGGGGACCCTGGGTCCAGCCACGAAACCACTTTTTCCTCATAGCCCTCTGGGCCTCCTTCTTGGCTGCCA	12255
CTGCTGGCTCCTCTCGGGGCGTCGCGGCCGCCCCCTCCCGCAGCACGCCCCTGCCCCGCCTGGCCGCGGA	12256
ATCACAGTGCTATGAGTCAGTTCAAGTTTATGGGTTGCCTATACTTTGTTTGTATGAACTGATTTTTTCTGT	12257
TGCATTCTCCCTAAGAGCACTGCGGGTGGTTCAGGGTCTAGTGTGGAGCACGTGTTAGCTGGGGAAAGCT	12258
GAGAAGGCACCTTATTAGAAGTGACAGAATATATATTATCTATCACTGACTACCCAGTTTAAAGAAGGGTGTT	12259
TGGGTCTTGCCCAAGGCCCGCAGTGACCACTGCCTGGCTACTGCTTCTGTTCCTCAAGGCCCAAGGGCTCT	12260
AGAGCCCTTGGGCCTTGAGGAACAGAAGCAGTAGCCAGGCAGTGGTCACTGCGGGCCTTGGGCAAGACCCA	12261
AACTTCAGGCCCTAGAGCAGGGCTGGGCCAGTATCTGAATTCTGATAGCAGCACTGCCAGGCCAGCCCCAGGGC	12262
TAATCATAGAAGTCTGCAACTTCTTATCTACTGAGGAAGTATGCAAGAACTGCTAACTCATGCCCCCCATATT	12263
CCCACCAACATGGCAACGATTCAGAGGCAGAAGGTGAAGTTGTGTGTCGACTGCCTGATCTTGAGAAGGATG	12264
TCTGTAAGAGCCATCAGTGGATCCCGCCTAGAAGGGCTTAGCCCTCTTGAAGGGAAAGGCGCCAGCTTTGGAGC	12265
CCCTGCAACACACAGGAGGATCATTTGAGTCGTATTGATAGTAATCTGAATATTTGTCTCAGAAATCTTACTGT	12266
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GAACCTCTGTACACTGTTGGTGGGAATGTAAAATGGCTCAGCCACACTTTATGGAAAATAGTGTGGCAATGGTT	12269
AGGCTATGGCTTCCCTTTCCACCAGTGTGGAAATTTTCAAGTAAGGATTCTATCTGGAATGAATGTGCCAGTGC	12270
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AATAACAGCAAACTGGCAAAACAATGTCAGGAGAGGTAGACTTCAACTGTAAGATAAAGCCATTGTTTTC	12272
GGAGTCAAGAATACATTTTGCTTCTAGATTGGTGTCTGAAATGACATTAATTAAAATAGCTGAATAATCATGGC	12273
GTGATCTGGTGATGGTAACTTTAAGGAAATCTAGAGTGGATGCAATTTATATACCTCAGATCAGTTAATGAC	12274
CACTTGCTGTATGGGGAGAAAGTGCTTCTATCTAATATAATACATACCAGCGCTGCCACATATTCAGTCTG	12275
ACAACAAACATGGCAATAATTCAAGTTCAAAAATACAGACGGGTTTGAATTAACATTGCACAATGATTTGTT	12276
AGAATGCAATTTGTTGGTCTAATGCACAAAGTGACATGTCCAAGAATGTTCATTGCACTCTAATTTATAG	12277
ATAGTTCTGTGTAATTTTATTGCATATGTAGATTCATGTAACAAGCATTCCAATTAAGTTACAGAACTATTCCA	12278
ATTTGGGAGATTACAGAGCAATAAAAAGGCCTTCAATGTACCACATGGCCTATGAATGTCCCTATAAATTA	12279
TGTCTGAGTGCTCATGGTTTCTCCTCAACACTCACATAATATAGAGAGCTTATCATCAGTGCACTGACCCATTA	12280
CCTTGCAGAAAACCCTTCGATATTTTTCTAGTGCTCTTAAAAGTCCACAATTGGCCGGGTGCCAGTTGCAGTGG	12281
ATCTTCACTCACAGAGGCTGTGCTTACTTAGTATTTAGCACCTAGAGAAGCTAATTTTTAACATCCTCTTAT	12282
ACATGAAGAAGTTGGGCTCTGTGGGACCAGAGGCTTGGCTCAGACCCTAGTCCATGATCTTTTCCAATGTTT	12283
CCCGGGCTGGAGTGTGGCGCGACCTCAGATCACTGCAACCTCCGCCTTCTGGTTTCAAGCAATTCTCCTGCCT	12284

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Table 1. Novel miRNA sequences

CTGAATCAAAAGAATGTTTTAACTTGTGGAATGAATCCATAAAGTGGAAAGCACTTTCACAGATATCTTTT	12285
CTCACCCACTCACCAACCTGGGCCACCACAGCCAAGAAATCCCAGTGGTTCAGTTCAGTGAAGGTGAGGGGGG	12286
ATACTTAGCTTTAGTCTGGTCTTGGTGACGATCAGTAGCTTTCTTATGTATCGCTTGACAACAGATTGAAAT	12287
ACCCACTAGGGCCAAAGAATGGTTTCTGTTGAGCAACTAGAGGAAGCCAGCTAGGGGAGTAGAAGATGTG	12288
TTGGTGTCTGTTTGTCAAATACTTGGTCCTGTGTTCCTAGCATGCCAAACAGCACTGATAGGAATTAATATT	12289
AGGCAGTATTGTTCAGAACTGAAATATAGATGAAGAGAAATTCATCTAATTTGCATCCACTTTTCATTGCCT	12290
TGGTGGAAGGTGTTTGATCATGGGGGCAGATCCCCCATGAATGGCTTAGCACCATTTCTTTGGTTATAAGT	12291
TCTTCCAGGGCTTGCGATTTGCTTGTCTATCTGTGACAGAAGCACATCGTGGCTCGCACACTAACAGCTACA	12292
AAATTAGCAGCATTAGGTCTATAGGTGGCTGCTTAACTAATTATGAACTCAGCTGCTTAAATATATTTGCTC	12293
CACAGACTAGTTGAGACTGCAATTCTAGGTGCAGTGATCTGTGGAAGCAGGAGTGACCTGTTGATGGAGCTCA	12294
CACCAAGCTTCCTTGGTAACAGCGGCCAGGTGATAGGGAACATTTTATAAATTAAGCCGCTTTTGCCAGAAAAG	12295
TGGTTTTAGAAGGTTGCGTGTTCTTCGAGTTGGGCTAAAGTAGAGTTCGTTGTGCTGTTTCTGACTCCTAA	12296
GGGATTTTGCTGAAATGCAAAACTGATTCAGAAGGCTGGGGATAAGGCCAGGGATTCTGCATTTCTAACAAG	12297
TATTCCAGATCGTCTAGGTGTATAGTAGGCTATACCATCTAGGTATAGAAATAGTCTGTGATGTTGACACAATG	12298
AAGGCACTGGCAGGTTCAGCTATCTGGTGAGGGCTGCCTCCTCCGGATGGGAAGAATGTTGTGTCTTCACAT	12299
CAAAGTACTAGGCTTAAAGGTGTGAGCCACCATAACGCCCCAGCCCCCTACTCTTATTTTTTAAGTTTATGCTTT	12300
GGCTGGGTGCAGTAGCTCATGCCACTCAGCATTTTGGGAGGCCGAGGTGAGCAGATCACCTGAGTTCAGGAGT	12301
GCTTTGCATTCCAGCTTATCCACTTTATTTGATTTGCTCATCTACTAGTTGGTTAGTACACAATGCTTAGT	12302
CTTTCACGCTTGGCCAAGGGACTCCTCTTTTTCTTTCTTTGGCTCCTGAGTCAAGCTTGAATATTTTTTTGGAT	12303
CCCTTATGGGCCTGGCTGTGATGAGATGGAGCAGGGACTCCGCTTAGAGGTTTGCTGGGCACCCCAAGCATGG	12304
AGTCCCTCCTGCCTGGTACATACTTAAGTGATTAGTTGATGTGGGTGATTAATGTGGTGCAGTGGGGAGGAAC	12305
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GGAGTTTCCCCACTATATTCCCTACGTCTGACCAAGAGATGAAAGAAGAGTAGTTTATGGGCAAGTCCT	12307
CAGCTCAGGCCTTCATCATGTGTCACACGGACAACTGCAGTAGTCTGCTGATTGGTCTTCCTTGGTCTCACTG	12308
AGAAAGAAATGAAAGGCATCCAAATAGGGATAAAGGTAGTCAAACTACCCTTGTTTGCTACTGATTCAGTTTCT	12309
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ACTCCTTGCATTCTCTTTCTTACAAGCTATTTTGAGGATATTGAGTCTCATAATAGACTAAGAGAACCAT	12311
CTGGAGCCTTTTACAGATACAAAAATAATGTAGAAAATAATGATTCTGGATTAGATCTAGTCTGTGATAAGG	12312
TGTGTATAGCTCACATCATGGTTTATAGTAACTGAGCAACATCTTTCCATGATGAATGTGCTGCGGCGTTTT	12313
TTTATGTGTTGAGCACTGTAGATGAGTAAGATGAATTTTTATCTTATTGAACATCAATAATGAATAATATCGA	12314
ACTTCTGTCAGTTTGTCAAACTTTTTCTCTGTCCAGTTTTGTTCCCTTGCTGGCGAGGAGTTGTGATCCTTTGG	12315

Table 1. Novel miRNA sequences

AATTAAATTTATACAAAGGCAGAAAAGATATGAAACCCTATTATATCTCTTTTTTCCTTTGTATTCTTTCT	12316
ATATATAAATACACGTGTGTGTGTTTGTGTGTGTGTGTGTGTGTGTGAGTGTGTGTGTGTGAGTGAGTGATTTC	12317
TGAAGTCTTCAATGCCCAGACATTGATGAATATTTACACGCATCAAGAACTTCTTGGAAAATATGACCTCACC	12318
CTTGGGGATGGGACCCAAGTCTAAACATAAAATTCACTTATGTTTTATATATGTCTTATACACATAGCCTGAAG	12319
AATACCAGAAGTTCTCACTTATAAATGGAAACTAAACTAAATGATGAGAACTCATGGTTACATAGCAGAGAA	12320
TTCTCAGGGGATATATATTTTCTATCTTTGAACAGGCAGAGATTGACATATTTTACCTGTACTGGAGGTGAATT	12321
TCTAGAAGTACTTGTTTTACAAATCTGGGGCTCCAATGTTGGATGCATCTGTATTTAGGATAGTCTTCTTGT	12322
GAAATACTGGTATTATTCTCCTACCCACAACCATAGCAACAGCCTTCATAGGCTATGTGCTTCCATGAGGCCAA	12323
TCTGACTGAATATACTGCTATGTATAATGTTGTTTTTGTTCTTCTATAGCTTATCAAGTCAGATAATTTCTG	12324
TGTCCATTATCAACTAATGGCAGCGGTTTAAGTCAGGTTCCAGCAGGGAATCTAAAAGAATGTTGCATAATT	12325
TGTCTTAATACTGCCTGTGCCATCTCTCTGTGGTCCGTGGTATAGTTGGCTTATATATGTGGTATTTATTAG	12326
AGGCTCATTCAAAGTTGTTCTGTTGCACAGGAGGCCAGGTAGAACCATGTGGGATAGGTATAATAGGTTGGAA	12327
GGTTTCAAATAATGCTTTGCACATAGCAGGCATTCTGCACTGGTAACTACAGGAACGCATTACTGAAATAG	12328
AAGGGTAGCACCATAACTTTATGATCATCATCCTGGAGATTTTATTTCTGTCCTTGGTTTGCCCTTACTA	12329
AGCTGGAATCTGCTTAAGCCTACTGAATTCCTAGGGGGAGGGCTGACCAGCACCTGCTGATGCTGCCTGC	12330
ATCGTGACTCGCAATGATGCTGCAAAACAGAAATATGCGTTTTGCATAATTGCCAATGCAGCTGCAGCAC	12331
GCGCTTGGCTCATGTACGAGATCTGTCAAAGACCTTTCGTGTCTCTGACAGCACTTAATGGTTTGATCTAGGC	12332
TCCTTTCCTGGTTGTTTGATTTGGGGCAAGTTATTTAACCTCTGTGGCCCCACTATAAAATTTGGCTAAT	12333
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CTTGTTATTGGTCTTTTCAGAGTTTCTATTTCTTCCTGGTTTAATCTAGGGAGTTGTATATTTCCAGGAAT	12335
TGGCTGACATTGACTTCTCCACTGCAACCATCGAGTTCATTGTCTCCTAAACCTTGCCATGGAGGCCTGTG	12336
CAGAGTAACTCTCCAGCATACCATTGGACTGTAATGTTCCACATCCCATCCAGTGGCATGACAATCAGAGT	12337
CTCCATTACACAGGCTGAGTGCAGTCACATGATCATGGCTCAGTTCAGCCTTTCTCTTTCGGTCTCAAGTA	12338
GCTGAATCACTGCCCTGAGGATTCTTTCTGTTCTGAGGAGAGCTTGTAGTTAATAGCAGAACCTAAATAGTG	12339
TCTATAGTACAGATCAAATAATCTGGTACTATATATGTATCTAAAGTACAGATCAAATAATCTGTACTATAGA	12340
TACAAAAGTTGTATTATCTGCTGACTCAGTGGTTTCCTCATCCACTGAGGTAGTAGCTTTAGTGGTTGTGC	12341
CTGTTCTGGTTTCTCCCCATCTTTATGGTTTTATCTATCTTTGGTCTTTGATGTTGATGACCTACAGATGGGG	12342
TTCAAAAAAAAGACACCTTTTGTGGGTGAGGCTGGGGGAAACAGGCCCTCTTATACTTCACTTGTGGAAAT	12343
AGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGTGTGCAGCCTTCAGCTGATTTTAGAGTCTTAC	12344
GCCTGGGCGGGGGAGCAGAGGGTCAGGGCGAGGAGCCGCCGCCCCGTCCCGTCCGCTGCGCCGCCGCCGCC	12345
GGGATTACAGGTGTGAGCCACCACAGCCAGCCAGTATGACCTATCTTAATCATCAGCTCAACTGTAATTT	12346

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Table 1. Novel miRNA sequences

TGATTCTCAAAGTAGGAACTGAAGAGCCCTAAGTGTCCCTGAGACCCTTTCAAAGGGATTGAAAGGTCCTAG	12347
ATGGGAGTTCATCTGTGATTTGGCTTTCGACTTTCCTGTGGTTGGTTTAAAGTAATGCTAGTGAGTTTTGCACA	12348
AAAGAACTGGTTTTATGAATGTATATTAACCTATATCTATTCATAATCCCAAGTAGATTTTTGTTCTTAG	12349
CTACTTGGCTCAGTTCAGCTGGATAAAGGTTTTTACCTTCATGTAGTGTTTTCTGCAGAGAAAATCATGC	12350
ACAGAAAGTTACAATTCAGCTATCTAAATATTTGATACAGTGGATGGAGGGACTACTGTGCTTTCTGTGCTT	12351
TTACAAGAGCTGCTAATCTTGTGTTTCTGGGCACTGGCAAACCAGTGGCTGAGACTGATGGAACACTCTCTCTT	12352
AGCAGTCACAACGGGCATTGAGTGAGACCCAGTGCTCTGCTGGCTTCAAGTCTCACCTAGTACAGTCCCAGTGG	12353
TAAATGCATGTGGGAACCCGATTCCCTTTGGCAGGTGTGGAGAAATGTCATTGGTTTGGTCCACAGAGATGCT	12354
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AAACAAATTGGCATCCCCAGGGATGGGACCCAGGCTAACAGCACGTAGGGATTGGGCACTATAGGATGTATG	12356
AGGGGAGGGAAGGGGTTGTGTCACCGATTCAGGACTGTTTTGTCTATCTCCTTAGAGCCTCTTTCAGCGTT	12357
TTACATATACTATATGCTATATGTATATATATGTTATTACATATACTATATGCTATATGTATATTAAATATACT	12358
ACAATTGGGTTTCAGAGCCTGCAAGGCAAGTTTTCTCTGACTCTGGGATGTCCAGTAGTGTTCAGTGCTCTC	12359
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AGAGATAGGGTCTCGCGATGTTGCCCAGGGCTGGTCTTACATACTCCCAGGCTCAAGTGATCCTCCTGCCTCA	12362
TCCTTGGATGAGGCAGTACTCTGCCACTAAGGCAGTCCCCAGAGGGGCTGTCCACAGAAGGCTGCCTGCCAAGG	12363
TAGTCTCCCACTCTGGAGCTGAACAGGAAGCTCAGACCACTGTGCACCCCACAGATTGCCAGAGGCAACAGAG	12364
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TGGTTCTGGCTCAGTAAGTTACTTCCTCTGGGACTTTAGTCAAATCTGAATATCCTCTGTTGCAGTATCTTCTG	12366
ATTTGTGTTTTCATTTCCTATGACTCTGTGCAGAGGCTAGGCCACTGGGCCTTGGCTTTTATTCAGAACATGG	12367
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TGTCTGGTGGTCATCTTGTTTCTCAGGGACTGTCACTTGGGGAATCTGTCATCTTGTCAAAATGGGGAAGTCT	12369
GGTGATTGGGTCATGGAGGTGGTTATCCCCATGCTGTTCTCGTGATAGTGAGGGAGTTCTCATGAGATCTAA	12370
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TTTCCTCATCATCCCCATTCCAGAACCTTGAGATTATTGCAACACTGGGCGTTGGTGGGTTCGGAAGAGTTGAG	12373
AGTCTGTTCTCAGGGCCGGGTGCCGTCCCTAGGAATTCAAGTAATAACTTAATAGCCTCTGGCCTCTGCAGAGC	12374
GGGCCAGAGGGGAGCCCAATGCCCTGAAAGTAGAGTCTGTGGCCTGGCAGCATTGTGTGAAATGCCTCTGGGTC	12375
CCAGATGCTGCAGGGATAGGAACAGCCCCATCCAGGTGGGCGTCCTCTTCAGCCTTTAAGTCAGAAACAA	12376
TTTCCAAAGTGCTAGGATTACAGGCTTGAGCTACCAAGCTCAGCCTTTGAAGGCTTTTTTTTTTTTTTTTT	12377

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Table 1. Novel miRNA sequences

TTTCAGCACAAGCTACTCTACATGTGTTTGGAAAGAAGTGGATCAAGATGGCCGACTGAGCATATGTGTTTGTC	12378
TATTCGAAGCCTTGAAACAATCTGACCACTGATCAGTCTTCTAGCCTGATTTCTATCATGCTTTCCCTGGCT	12379
GAGCAGGTAAAAGTGGTTCAGGGAGGGCTGGGATCTCCTGGTGGTATAACGAACCGGTGATGCCCTATGA	12380
AACTTTTGTTTATAGCAGAATTTAGTAGACGCTTTACAATAGTGGAGGGGTTTCCTAACTCAGAGGCATAAAC	12381
ACAAGTTCCTTAGCAGCAGAACTAATCCTTAGCAGGATTAGTTCCTTAGCACCAGAACTAGATTAGCAAG	12382
AAAATGGGAAAATATTAGGAATAGTCTGACTCAGACTAACTTACCTATTCTATACTATTTTATAGTTTAC	12383
TTAATTCTCCCTTGAATTGTACCAACATCTTCACATGTTCTGGGATTAAGACGTGAATATCTTGGTGGGGGGAG	12384
GTGTTTCTGTTCTGTCAGCCATTCTCTAATATTTCCATTTACCTGCTCAGCAAAGGGAAGGCTTAGGAAGC	12385
AGGTGAGAGCAGGACTTGAGAAGTGGCAGCACATGAAACAAGCAAGCAGAGCCACTGCCTTCCTGAGGCTACCA	12386
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CAACAGCAGATGCCAACACTGACCCCTGATATGGCACCATTGCCATATGATTAGCAGCTGTCTGGTAGCAGGCT	12388
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TGGCAACATTTAAAGGAGGCCATGAAATTTTTATCAGTCTAGAGAATTGATCTCCTTTAAGGTGACTCTGG	12399
AATGTAAAGTAGGCAAAGCTCAAAGTGGGGACTGAAGACAACCAGCTGTACAATAGTCCTTGTTTCCTTT	12400
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AACAAGGAGCTAGGTGGAGGGGGGGTAAAAAAAATGGCCACTTTTATAATCCACACAACAATCCAAAATCAT	12402
TATTTTCTTCAATGTTTTTGAGGAAGTAATTTAGGAGAAAACCTCAACTGTGCCATTGAAGATAGTCAACT	12403
TAACTACTTGCCAGGATTGTTATGGGGATTGGATGTTTGTAAAGTATCCAGCACTATGCCAAGAATATAGCAA	12404
CACTGTTTACCACAACCTAAACTCATATTGCTTGTTTGTGGGGTGGGGAGGGGGGGGTGCAAGGGGGGA	12405
GAAGGGTTAGCACATTGAGGTCTGCTATTGTAAGTTAGAGAATTAGTAATACTCCCATGAGCCCACCCTTC	12406
TGGCTGAAGCAGCTGCGGAAAGACAACTGCGCTACCGAGTTTCGGTGGGAGTAGTCTTAGCGGATTTTGAGCG	12407
TGCAGTAACCTGGCTTAGTGACGGCTTGAAATAGAAAGCAGGAGAAATTAGAGAAGTGAGAACTGAGCAGTACT	12408

Table 1. Novel miRNA sequences

CAAGTACTCAGTTTTCCCAGGAATCAGATGAGATGAGCTGGACTGGAGGTTGGGATCAAGCATAGATTAGGAAA	12409
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CCATAGAGAGTTTCTGCTATTTGCTCCTATAGCAGGCAGGAGTTTGAGATTACAGTGAACTATAATGGTACC	12412
ATTTCTGGTTAATGCTCTCACCAGGTCCTCTTGGGTGTACATTTTCACTCTTTTGTTGTTAAGAGCACTCAG	12413
CCCAGCAGCCACATCCCAGCTCCTAGGGGCCAAGGCCTTTGCCCAGCTGCATGGCAAGCCTGTCATCAGC	12414
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TCGCTTGAGCCCAGGGGTTTGACACCAGCCTGGGGAACATAGCGAGACCCCCTTATTTCTACAAAAAAAAAAGA	12417
TCAAAGAGGCAGAGATCCTCACCCACTGGCATGGTCCAGGGGTCTTGAGTCAGGCAGGGGATGCTTGTTAA	12418
ATGGGGAAATTGCCCAGCATGCTGACTTAGGGGTGCAGTTCTCTTTTAAGTAAGATCACCAACTTTCTCTT	12419
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GCTAAGAGGTAGAGAAGCACTGATGAAGGCACAAGACATAGAAACAGTTTATGGGGGCTTTTTCCTGCATATCT	12421
GCAGGGCAATGGTCTGTATCTAGTTGCTAAAGTAGATATCCAGATGCTAGTATACCTCCATAGTCACACTCAG	12422
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AACAATTAGAATAGTCTGACTCTCACTGTGGAGTTGGCTAGTTAGCCATGGTGCTCCTAGAAGTGAAATAGAT	12424
CTCCCTAGCACCAGCTGAGTAGCCAAAACAACTTCAGACAAACAGCAGTAGGGCACCAGCTGAGTAGCTAC	12425
CAGAATTGAGCCATTAAGGATGGAGTTGGGGGCACGCCTGTCCTTGTAACTGGGGAAACTTTCTAGGATCA	12426
GATATTTCAAGTAATCTGACATAGCAAATAATTTCATGCGCTGTTTGCTGTTTGCACGCAAAGGGCTGACTGAG	12427
ATTAAGCTCTATGAAGGCAGGGATCATGTCTGGTTTTTGCTTATCAATGTGCCACCAGGATCTAATCCTTAAC	12428
TTCTTCTTTTTCTGTTCGTAGTTGTTCATAGTCTAATACCAGATTATCATAGTCAGCACGAAGTGAGTTC	12429
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AAGACCTTAGTGGCGAAGTTTGCTAGCACTGAAGTTTGGACTACTGGGATTGTGGGTTCGTCTCTGGCTAGGGG	12431
TTGGACCTCTGCCTCAGACTTAAATGCTAGAGGCAGGTATTTCCTATCTATTGAAGGTCAGCAAATTCAG	12432
AAGATTCTGTTGAACTGTCTATGCAGCTTCATTACCCTCCTTAGGGACCTGATGCTCGTGGCACAGCAGGC	12433
TCTTTCTATTTTTTAAAAACTTACTTATTTGTTTTCTTGAAGCAGCTATAGATTCACAGGAAAACAGAGGTGA	12434
TACAAGGGCCCTCAGCTTTCAGAGTTTCAGTTAACAGTAAGGAGAGACTTGGAGAGGCACTATAATGATCAAAC	12435
TACGTATATACATATTTATGTATAAACATGTATACAGATGTCTACAGTTATATCGTAATGTGTATATCTTC	12436
AAATGCAGCTTATCAGACTGCCTCAAGCCTACTAAATCAAGAGCAGTGACTTAAGGCCTGCAAATCTGTA	12437

Table 1. Novel miRNA sequences

TGGGTGGGTTGCAATGGGCAGACTGGAGGAAGTGGCTTGACTTCAAAGCATCTTCAGGAGGCACAGTCAGT	12438
TAGGTTCTACAATAGCGATGTCATCTGCAGGAGTAACTGGGGAAGTTGAAAATCTTGTGACTTCTGGAATA	12439
TTTAGAACTGTGGCATTTGGGCAATAGTAAGTACTATATGAGTGTTAGCTATAGCTCTTGTTCTTAAGTCTAG	12440
GAATCTGAAGGTGAAAAACGAGCTCTTCAAAAGGCTGGACAAGTTTGCTGCTGAGTATGTAACCTCTGGACA	12441
GGTTTCAACAGTGAGCGCTTGTATCAGTGGATTTTCTCATGGCTGATTTAATTGTTCTGTTTGCTTTTTGATTA	12442
TTGGTCACATTACCCAAGGTTGAGGGCAAGAGGACATCCCATCCTCAGTGTCAGCAGGCCTGCGACTCCT	12443
TGGGCATTGGCAGTGTTCACAGTGGCTATCATGGTCACAGTCATGGTCACACTTGTATTGACATTCCGCCC	12444
TCAGCTGTTTACCCTTGTGATCGCTTGCATGGCTGACTGGGAGCTGCGAGCATCACAAGAGGGTATCTTATAT	12445
AATTATTTGATATAAACCTCAGTGAAATCTGAAATTCCCTGAGACTCTAGATTGTACTGAGTCCTTTAAAAC	12446
AAGAAGCGGGCAACCTAGATCCCTCCCATGTGCAGGGTTCCTGCTCCTATAAGAATCTAATGCCCCAGTGATCT	12447
ATATTGTAATGTTAACTGTAGGGTTCCCAGTGTTATTTCTAGCATCTGACTCAGTTCAGCAGGACTCCATGT	12448
TACAACAAAGTGCTTACGACACACTCAGAATTTTAAAAGTAAAACGTTGTTGTCTGGGCATGGTGTCTCAC	12449
GAGGCCAGAAGTTGTTAGTCCCAGGATTGTTGGCTCAGTGGCTCAATAGTGTCATCGATGATTGAACCTTCT	12450
TTTGTTGGTGTGTGTAGGAAGTAATCTGGGCGTTTTGCCCAGTTTGGTTTAATTTTTGTTTATTTGTGAAGT	12451
AAATACTTCTGAAGCTCTAAACTAAATGGTGGTGAGGGAAAAGGTTATTACGCTGGGCTCTGCCGCTGCAAGTT	12452
TGGATGCTAGTATGTGACTGAGGTTGAATGAAAAGGCAGAGGACACTTCTGGCAAATGGTACTCAGTATTAACA	12453
GAGGCATAGAGAGAGAATGGAAAATAATAAGCGAAAATGAAACTGGGCTTTCATTTTGTTCTTCTCTCTGAG	12454
TGCTTTGTTATCTGGACAGTCTCTTCCAGAAGAAGAGACTTCTTGAGTCAAAATAAGATAAGAAGTATGC	12455
GTCTCAGGAATGGCAAAGGTGGAGGAAAATCCACGTATAAGTGGACCTGTGCAGTTCAAACCCATGTTGTCCC	12456
TTTGAGGCTGGAAAATGATAAATATTTATTGTGTGCTGTTCGTGTGCATGGCACTCTTTTAGGTATTTTCCTAG	12457
ATAAATTTTTTTTTTCTCTGTTTGCTTAGCTGGCATTCAGTAGTCTGCACATCAACAGGAAAGAAAAAATGC	12458
TTATTTCCTTTTCAACTAAATTAGAAACCCTGGGAATGACCTACAGGCCAGTGAGTTTCTCTGAGGTTTCTAAT	12459
GGACCCTAATACAATATGACTGGTGTCTTTATAAAACGAGGAAATTGGACATAGAGATAGGCATACGTATAGG	12460
GTTCCCTAGTTAACATGGGACTCTAGAATGTTTGAGGAAAACAGTTAGCTTATGTTCACAAGGTCAAGTAGAAC	12461
TAAAAAGTTCCATAATGACAGCAATTAGTGATAAGTGCCCTTACAACGCTAAAGAAGAGCTGCAGGTGAAACTT	12462
AATATTTAGTGTGATTTTATTCTGTACTGTGTCAATAGCAGCACATCGTGGTTATGTCTTTTATATTAAATAT	12463
TTTCTTATTTAAAATGTTTTTTCTATTTTCTTACAAAGAACTGTATTCTTTGTAAGAAAGAAATTCTTACA	12464
CTCTGCCTCCCAGGTTCCAGTGATTCTCCTGCCTCAGGCTCCGGAGTAGCTGGGAATACAGGTGCATGCCAC	12465
AATCTCACAACTGAGAAGGGTTCCTCCACACTCTTGGAACTGAACACCTATTAGTGTACACCATTTTAAAGT	12466
ATATTCTGTCATTCCAAAACCTTCCCTGTGGAAATAGCCACATTGAGTTTATGGGCAGTGGATGCAGCTTGG	12467
TGACTAACCATCCCCTGTGCTCCGACTGGGCTACTTCCAGTAATACAGCAAATCATCTTTGGTGAGTTAATT	12468

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Table 1. Novel miRNA sequences

ATTATCCCCAGTAAAGAACCATTGGCTGACACAGGGATGTAGAGATGAGTCATTCTCTTTATAGGGTTTTAA	12469
CAAGCCTGATGGAGTCACTTCCATCCATTAGTGGCTCTCCATTGCCCTCTGGATATAGGATAAGCTTCCCA	12470
CCAACGGTGCTAGTGTTTCTCATCTGGGCTCACTTTTATGCTGCTTTATGGTGATAGAAGGAGCAGTCCTCCAG	12471
TGTTCCCAGCTGTGCCATTGAAAGCAGAATGTTTATATTTAAGGTGCCTGTAGCCGTTGTGGGCCCAGTTTCCT	12472
CAATTCTAAGAGCTTCCTGAAGCGGGGGGAAAAAAAGACCTCATACAAAGAAAGTTAGAGGGCTCTAGAA	12473
GAGTCTGAGAGCTTTGGCTTAGTAGTGGCTGCCTGCGGCGGCGACTCCTTCATATTCCTTTGCCATCCTTA	12474
TGCTGGTGGCTGTCAGAGGTGTGAGGACATCTTATGTATTCCTACATGGCTCAGTTCAGCTGGATGCAGTT	12475
TCATCAGCGATAGCAGCCACTACTATCACACTTTTTAAAAAAGTGTGATCCACAAGAAAGCTTTTCCTCAATT	12476
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TCACTTACACTACTGGTAAAAGTCAAAATTGGTACCATACATTGGGGCAGACTTTTGACTACATAGCCGAT	12478
TTATAAAACCAATATTACTGATTGCTCTTTATGGAACTTTTAGTAAGTTGTCCCTGAAGAAATCCAGTTAAC	12479
TAACATATGAAGTTGATGATGGTTACAATTACATATATAAAATATATGTATCATGTATAGTTATATATTTC	12480
GAACTGCAGCGGCCAGGCGTTCCTCCAGAATCTCCTAGCACAGGAGCTTGCTACATGTGCCGTAAATCTGG	12481
GAGGAGGATAGTAGAGTCTTCAAAAGGGTCCTTTATTAAAAAGAGAAAACAATTTTACAACTTCCTCCTA	12482
TACCAATCACTATGCTGAGGATGGAACATCAGACATAAACAATCTCTAGACTCCTAAAGCTTATAGTGTATTGG	12483
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TGTATTACCTAAATAAATGTGTCAACATATCTCTGGAAGTTTGAGATAGCATATGAGGCAGTGGGTCAAAACA	12495
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GTTTCTTTTTAATGCTCTCACCAAACAGTAAAGACCCTCTAAATGCTGTGGTTATGATTTTAAGGGGATACC	12497
AATAAAAAATAATGATTTGGGCATCGTGGTATGCACCTGGAGTCCCAGCTACTCAGGAGGCTAATGCAGGA	12498
GTATTTTTAAACATTTTTCTTGGTAGGTTACATGTGACAGTACATGTATAGTAGTTGAATATCTGCTGAC	12499

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Table 1. Novel miRNA sequences

TCTAGTCAATGGCACTCATTAAATGCCTTTTAAGTCTTAAAGAAACAGAATTATAGGCTCAGGGTAGCTATC	12500
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ATGGATGGGAGATTGCTTTGCTTATGGGCGATAAAATATTGTTGACTAGGTATGGTCTGCCTCTTTCATTAAAA	12503
AGCAAAACAAATGATTTTTTGGTTCTGAAGTGCTAAAGTGGTACATCATGCTGGGGTATTTGTGGTTCTG	12504
TTAGTATAGCTCAGAGCTGAATAAGATTAGTATAGCATGTGAATCTGGATATTCAGCACTTTATGATGCTAC	12505
TGTTCCTCTACAACCACTCATGGCACCAAAATCCGTATTAGTCAGGGTTCTCTAGAGGGACAGAACTAATGG	12506
GCTAGAGAGTTGATATACCTTCAGCTAGGCAGTGAAGGTCCATTGCTTACCTATTCAGCTGAAAACAAAC	12507
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GGGCTCTGCGCACTTCGTCACTGGGAAGCAATACTCTAGCCAGCTACCCTGGCTGCAGCCTGGAGCAACC	12511
CTGTAGTTGGAGACAGGGCCTTAAAAGAGGTAAATGTGGTCAAAAGGGTGAGGCCTTAATCCAATAGGACTG	12512
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CATGGCTCTCAACCACACTGTGGTCTGGAGATAGACTACAATGTGCATTTAAACTAGGAGTCAGGAGAAGA	12515
ACTGGATTCTATGACCAGTATAGCAGGAACTCTAAAAGTAAAGGTCCTGGTGTGACGACTTGGTAAAGGG	12516
CTATCCAGTTCTTGCCGCGGGTCGGGGCGGCGAACTTGGTGTTGGGGTCGCAGGCCAGGCGGTCGTGGGC	12517
CTGAGTTATAAGGGGGATGGGGCTGGTAGGTAGGTGTAAGTTTTCTACTATTACTTCCATTTTCTCAGTGAA	12518
AATCCTAGTGCTGAACAGGGCCCAGAGCCAGTGCAATGGGGGAACACAGCCTACTAAGACACCAGCTGGGG	12519
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ATAATGGTGATGGGTGTGCATCATTTTGAATGCATTAAATGCTACCGATTGTACACTTTAAAATGGTTCAAA	12523
TTAGCTTTTAGGCCAGAGTAAAGTGTACTTAAGACATACTATATGGTAATGACTTAGATTCAGGCTTGACA	12524
TGCATCCTACAAAGTCACAGAAGTGGAGCTTCCCAAGACCCTGGGAGCCCAACCCTTGTGCCAGTGTGCC	12525
CAAAAGAAACCTGTGACACCGAGGGCACTGTCAAAGCACCATACCTGCTGTGGACTGCCTGCCTCAGGCT	12526
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CTGTTCCTGCTTCTCGGCCAACTTCCTGGCCAGAACACTGAGCTGCTGGGCGTGGTGGGAAGGCGGGGAAAAGG	12528
GGCTCTGGGGAAGAAAGACGGCCTATGCTTCTTGTTGTGTCTTTCTGTGCTTTGCAATGCCCCATTTGTATC	12529
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Table 1. Novel miRNA sequences

TCTTTTTGTCAAGTATCTATATTTGCATTTGCATTTTAAAATTTTTATCTGGATACTTAACTTTCTAAGAT	12531
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GCTTAGACTGTACAGCACTCAGACTTCCTTCCCTCTCCTCTCTGGTCAGACTTGCACTGCAGTCTGAT	12534
AAATATGGTGGATATTGTAGACTGGATCACTTCACATTCTCTCCAATCCATTTCCATCATGCCTTTTATGTTT	12535
GGAAGTGAGTAAATGAGGACGAGCATAAAAGTTAGCAAAGTGCACATATGCACCTTCTCTCCTGCGTGCTACTC	12536
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TAGTGCTCAGAACAGAAATTAGTATGGACAATAAACAGCAATGTCTATTAAGCATACAGGTGATGGCTGAAAC	12540
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TGGCATCACCCCAGAACATGCTTCTGAGTGGAGGCTTGTTTTCTCTCTCCCACCCCTCCTTCCCTCCCTC	12546
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GCAGTGGTCATGAGATGAGCAATTTGGAGCCTAGAAAATTAGATTTAAAGTTGCCAGATCACTGAGTCCC	12554
AAGGACTGCACTAGATTACCATGGATGTGCTCTTAATCATTGCTGAGGTTCTCCATGGAAGAGAAATGATGTC	12555
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GAGGACAGGGGAATCTTTGGTATGCAGTGGCAGAAAGTTTACCAAGATGATCCCCTGCAGGAATGTGAAATGT	12557
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TTCCAGATGCCCAAGGAGCTCAGCAGGCAGCCGTAAGTATACTAGCAGGAGGTAAGAATGGCAGGAGGCC	12559
GTATCATATCTCTATAGTTTTGTAGACAGGATTTTTGTACTACATGGGATATTGTATTAGAATCTTAAATGT	12560
CAATTTCCCTTTATTTGGAAACTTTGTGTAGTATCAAGCAGCAATGCAATATACATAACAATGAGAGGAATT	12561

Table 1. Novel miRNA sequences

AGTTTTGTGAACACCTAAGTTTTATTAGGCACTTAAAAATGCTTTATGACCTATAGGCCAGTTGAACAGAAT	12562
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TGCTTGGTTTTGCTATATAGCACTTGTCAATGCTATTTCTAGCAGAATTCAGAGCAGCAGGATGAGACAA	12566
TGGATCTGTCCCACGCTCTGGATACTTAGCTGTTAAGCTAATACATGTGTGGGTTTACACATGAAATTAAA	12567
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CTTACAAGAAGTGGAAGAGAGCAGAGTGAATTCTCTCTCCTCTTTTCCTCCTCCTCCTCCCTCTTTGCCCCCTC	12569
GCAAATGATTATCTGATAATGGCCCTAGATTTGCAGCTCAAGCTACACAACACTGGACCCAATCATGGGC	12570
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TTAGCTAACCTATGAATTGACTACAGTCTTATGGCTGACTGCTGGCGAGACCAGCAGAAGCAGCATCTAAG	12576
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CACCCCAAGGAGCTACCTGGGATGCCTCACCTGAGAAACTCCCAACTGACCTATAGGCACTCCTAATGCTCT	12585
CAGATTAATTGTGAAGGAAAAGAGAAAGGCATTGGATATGATGCCCAGACTTTATGTTTTGGCAATTGGTT	12586
TGCCCTGATGCCATACATTATGCCATGCTGGGTTTCTGACCTATGAATTGTGAGCTAATGAATGGACGTT	12587
GGCTGGGCACAGTGGCTCATGTCTGTAATGCCAAAATTTTGGGAGGCTGAGGTGGGTGGATTGCTTAAGCC	12588
ATGTAGTGCAGTTAAAAGCTTTATATAAAATACTGTTTATATAAAATATGGCTGCTGCCATTATTATTAATTCA	12589
AACACCAGGCAGGTGTATGTGGCTTTGGCAAACTGAATGATGCCATAGTCAAGGCGCTGAAGCAGTGAGTT	12590
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Table 1. Novel miRNA sequences

TTCTCTATTCTGTTCCATTGGTCTATATTTATACCAGTATCATGCTATTTGATAAGTATAGCCTGTAGTATAG	12593
AAAAACAGTCTTCAAACACCACGGCTAGTGTCCAAGGCTACTTAGCTCAGCTGGTTGGGGTGCTGGGCTA	12594
CAGAAATAAATATAGAAACATGTATATGTGGGTTAGTATAAACATATTATTATGAATACAGATATCTATATTT	12595
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GGCAGCTGGCTCAGTTCGATGATAGGACCTGTTTGCCGTTTCCTCTTGCTCCTTCCAGCTATCTAGAACAC	12614
AAATTTTGCCAACAACCTGACCAAGCTTGCAAGTGGATTCTTCTCCAGGTAAGCCTCCAGATAAAAATGTGG	12615
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CTGCCTGAAAGTTTCTTTGGGAATCCCAGGTGCTCCTGGACTATACTTTGTGTCCAAATGTATGATGTAGGCAG	12617
TCAGACTGCATGAAGGTCTGACCCCTTTGAAGGAGAGATGGGAGGAAGGGTGATCAAGCAGGAAGAGTCTGAC	12618
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GACCAGCTGCAATGTCTTATACCTGTAATCCCAGTGCTTTGGGAGGTTGAGGCAGGAGGAGCCTGGGCAACA	12620
GTCTTCTGACCTACTCATTAACAGCTGTTCTAAGCTGTTTGGTGTAGCTTGGGCAACAACAGAGTTCTCA	12621
CAGTGCATAGCGGAGGTAAATCATCCACCCAATGAGATGATTTTGCTAGCACCATCTGAAGAGCTACCAG	12622
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Table 1. Novel miRNA sequences

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AATAGGGAGAAGGCCCAGCCCAGACTGAACTCCAGTTTGATTTGTGCAGTAGAGACTGGGCGTTTTAAAGGG	12636
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CCTTTGGAAGCTGAATAAACCCAAGAGACAGATAATAGCTTATGGAGTCAGTTCAGGTGTGGTTTCATTCT	12646
TTTGTTTACAGTAATCCAGCTTAGCCAAAGGGCAGCCTGGCCTCACTGGGGCCACATTTCCCATCAGCTGC	12647
GTGCCACTCGAGATGTGCTCAGCTGAGACGAGTAGAGCAGAGAGAAGACATCTCAGGGGAGCGCAGCCAACACA	12648
AACACTTTTTAATTGAACAGTTATTACCTTGTCATTAGCAGCACGTGAAATAAACGTTCCTGTTTCAAGGTC	12649
TATGAATGCATGGGTCAGTGCTATTGGAAAAGAGCACTTTTGTACCCTTTCACAGGCCTCAGAAGCAGTGTAT	12650
CTTGCACTTTGCCTTTAGCAGGTACCTCAGCTCTGGTTGTGATTCTTTATTAACAGGTATGGGAGCAAGCATAT	12651
GTACTTTGTCAGTTTGATGGGCCAGGGTATCCTGCTTCCCAGGGCACGAGATCTGGGTGGCCCAGAGGTACTT	12652

Table 1. Novel miRNA sequences

TGTTGGAAGTGCAGTCTAGTGGGAGGTATTTGGTTCATGGGAGTGGATTCCTCAGAATGGCTTGATGCCCTCCC	12653
TAACTAACTACATCTGCGATGACCCTATTTCCAAATAAGGTCACATTCTAAGGTGCCAGGGGTTAGGACTTC	12654
CTGATTTTACTTTGTTCACTTCAGGATGGAAAGGATGGCAGAGTCTCTGCTGCATCCAGGATAGTATGAATCA	12655
AATCACATTCCTCAGCTACAGCAGGGCACAGCAATTGATTTTTGATACACCAAGGCTGAACACAATGGGGAAAG	12656
GACATACCTATTGCTCCTAGGTAACACACCTGTACCGCAGGTTACTGCACTGAATACTGCAGGAGGTTGT	12657
ACCTAAGCTGCTACTGCAGGGCATCATCTTGAAACCGCTAGATAGGTACCCTGCCCTGGGGGCCAGTGGC	12658
TAGGGTCATCTTCATCAGTACCCAGACCAAGTTTGTTCATCCTGTAGATCCTGTTAGCATGTGTCTGGGGACCT	12659
ATGTCCCTGAGGTGGGGAACAGGGCAGCCCTCCACTCCACAATTTCTTCCTCTCTGCTCTCTTTCCTGTTTCTC	12660
CTCCTGTCAGGGCGGATCTGACATCTAAGCCGACAGCACAGACCCAGCTCACCACCTTGTAGGAGTGAAGCCC	12661
ACTAGCCGCTGCCCTCTCTCCTAGGAATTGACAACCCTGTGTTTTCTCCGGACGAGGCCCTGGACCGCAGC	12662
GTGTTGCAGACATAAGCCCAGTTTTCCCAGTCCCGGCTGCTGAAGATTCCTTTGTCAGGATGATCTCTGT	12663
CCACCTCCGCCCCCGCGGCCGTACCTGGCGCCCCCTGGCTCCCCCGGCGCGGCGTGGAGCCATCTTCC	12664
CACGTCTCGCCTGTCCGCGGGCGGGCACCAGGAACAGCTCTGACACCGCTCCCCGCCCCCGGGCGGGTGC	12665
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ACCCGGGCTGGGCGCGCGCCGCCTGTGTGCTGCTCCTTGCTGCCCGTGCTGTGGGTCCCGGTGGCCGC	12667
GAAGTCCTGCCTTAGGGTGGCTTGACTGCAGCATTAGACAACCCAACAAAGCATATTGAAAGCCAAGGGCTGGA	12668
GGGTTCACTGACAGCCAAGAAGATAATGTGGACTCCTGTGGAGCCCAGCTTATCAGACAGATGCTTAGGAACA	12669
CACCCTCAGGGTCCCAGGATGGCAGTGACCTAGAGCAGCAGCAATTCATGTGGAAAAGGGTTTGATGGTC	12670
TGGTGCCTGTGGGATGGGAGGGAGGGCTGCATGTCTCCCCCAGGTGTGGTGTTTTCCCAGGAACCTAAACC	12671
TATAATGAGATACCATGGACTGGGTGGTTTATAAAACCACAGACAGAAATTTGTTTTTCATAGTCTTGGAGG	12672
CCTTGGGATGGACATCATTATATGCGGCCACTATTTACCTTGCCTTTTTCTGTTGTACCATCAAGTCAGGG	12673
AGGGATCAGCCTGCACGTGGACTCGCTCACGGATCACTCGTGCTCGGCCGAGTCGGACGGGGAGAAGCTTCC	12674
CAGGCGCCCGGCTCGCTGGCGCTCTACTCGTGCCCGGCCTACGGCGCGTCGGCTTTGGCGGCTCCGCGCA	12675
GCATTTCTACTTGAGAAACAGTAATCCCTCCCTCTGCAGCCGACTGAGAACTGATCTCGAACCTTAGGTGC	12676
AAGGAGCCCTGAGATGGCTTATTATTTCGATCCTACACAATTTACAATTCCAGCTCCATACATCAGAGCTCTTA	12677
AGCAGCATCCCTGGCCTCCACCCACAAGACCAGTAGCCCCCTGTTCTCCTGGTTGTGACACGCAAAGCTGTTT	12678
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ACAGAATGTCATAGACTGACCTAGGAATTGAACTCAGTTTTCTGTTGGATTGCATTCTGAATTTCCAGCT	12680
GGAAGGGATCCAGTTTCAGCTTTCTACATATGGCTAGCCAGTTTTCCCAGGAATCCTTTCCCCATTGCTCGTT	12681
CTGCATTTGACATTGTTTTTCAACCTTAGAACCTGAGCAAACATCTGTTGAGAGTGCTGAATTGCAGAGG	12682
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Table 1. Novel miRNA sequences

GGCGAGAACAGGAACTCAGTAAGCACCCTCTCAGCAGAAACTGGGCGTGGACGACCTGCTTCTCACTCAAAA	12684
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TGGATGGAACTAACAGGATATATGTACATATAAAAGGGGGAGTGTTTTTTTGTTTTGGTTTGGTTTTTTCT	12686
CATCGCTTTAGGTCTTGGCTCAGACACTACTTCCATAGAGTCCAGTGGTGGCTCGTCTAAGTCCACTCAGGGTG	12687
GTTCTGTCACCCTTACTAGACCTTGAGTTTCAGAGCAGTGCAATCTACGCCTTGCGTTTCTGAAACTCCCTT	12688
CCCAAAGATTGGTTGGGACCAGGTGTGACATTTCCATAGCACACGAGGAAGCTGACCACCCCATCCTAGTCTT	12689
AACGCCCCTGGAAGGATTGCATGGGGTGCCCACTCTGGGGCTCCTTGAGTGTCCCTGCCCCTGGCTTCCAGGGG	12690
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GACGGCTTTTTGTCATATTGCCCAGGCTGGTCTCAAACTCCTGGGTTCTAGCAATCCACCTGCCTCTGCCT	12701
TGTGGAACTTTAGCATAAGTGAGTCCATTTTGGTTTGATCTGCTGGGGGCCTAGTGCAGAAGCTCAGTCCATA	12702
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ACATAATGGCCCCCTGTAAAAAAAAGGTCTGCTTAGGAAGGAAATAACATATGCGTGGGGGCTGTGCTCAATG	12705
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GAAATATGTTACCAAAAAGGCAATGGTAGCATAGACATGCTCACTAGTGCCTAACTATCCTCTTCAGGTGACA	12709
GGAAAAGGATCATTAGTCCACTAAGTCTCTCTAGATAGCACCATCTGAGGATAACTGGGGCAATGGAACTC	12710
TCATGATTGCGACCATATAGTATTGGTACAATTGCATACTAGTGTATACTGGAACAAATGCATGGACTAAA	12711
CCAGAGCCCTGTGGGGTGCAGAGCAGCACCAGGCGGAACCAGGATGAATCAGGGCAAGGAAAAATCTGGCTG	12712
AAACACAACTCCATTAAGTACTTTGCTTACATCAGCCATGATAATCAGGTTAGCAATGTTTTTAAGGATGA	12713
AAGCGCTCTGGGGCCCGGAAATAAATAACCGCGCGCACGAGGCGCCGCCGCGCCGCCCCGGAGG	12714

Table 1. Novel miRNA sequences

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CCCTAGATATGCACTTAGCACCACTTCTGTGCGTCCGTGAATCTCACATTGTGGGTGCTGGCTTCCTTCTCAG	12718
GGGTATTGGATTTATGTGAGAATACAAGGGCCTGGCCCCCCTTGCCTAGATTATGAAAGCTCTGAAGGGCCTT	12719
CCAGGCTTTCCAAAAAATATGTGATAAGGTGCCTAACAGGTGCTGACACAAGAGGATGTCTGACCAAGTGT	12720
TATTCTTGAGTGCTTTCTGGTTAGGACAAAGGGTTTGGCTACTGATAGGAATACAGACACTCAGTGAGTA	12721
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TTGAAATGCTATAATTCACAATGAACTGTAAAATGAGAGTTTTTTGGACTCATAAGAGGTTTTCTTTGTGGAG	12724
TTTCATTGCCTATGGACCAATAATGGTAATGCCATTTTCTGTTTTGAGGTAAAATAATATTTTCATTGAAGA	12725
TAGTACTTAAACACCAGCAGCAATGTTGTTTGCTACAAAACTGGTGGAAACATTGCTGTGGCAACTGGTATTT	12726
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AAGCAGAGCAAAGCCAGAGGGTTGGGAACTGTTGACACAACCTCTCCTCCTGCTTTATGATCTTCTGCCA	12730
TCTCCAACTTCTGACCTCAAGTAATCCAGCCGCTTCAGCCTCCGAAAAAAGTGCTGGTATTACAGGTGTGAG	12731
TCTCTTTCCATGAGCTAGCACCATTTGAAAAAAGCTTAGACTGGCTAAGTTCATGGACTCATTATTAAAT	12732
TAATGTTGTTGCTCCATTGCGGCTGCTCCCTACACACCAAGCAACATATGACCAGAGGCAGCATTTAGCA	12733
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GCTGGTGTCTGCTGCTTGGTGCCTGAGGAAATGTCCTCACATATTTTGTCCCAGAAGTCCTCTGTGTTGAT	12738
TAGACTGAGTGTGATGTCTGAAACAGATTATGGGGCAATGTATGTTTCTGGAATTCAAAACTATTACACAAC	12739
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TCTGTCTCATCATCTGTTTGAAATGGCTCAAGAGCTGCTTTTATTAGCTCCCACATTGACCAAACTGAGA	12741
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CAATGATACTGTAGAGCATTTGTAGGATGTGAGTAGGTATTCATTTTAACTGCAAAGGACTTATATTAAAGT	12743
TTGGTCACCTTTGCCTTTCCTGGCATGTGTCTTCCCAGGTAGGTGCCTCTACTGGGGCGAATACGACCCT	12744
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Table 1. Novel miRNA sequences

TGTCACTAGTTGAATATAACGGGTTATGAGATATTATTTGTAAGCCTCGTTATAACTTCAAATCTACAAA	12746
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TGGAATCATTCCCTTCATAGGCATACGTTGCCAGCGAATCATATGGAGGTGCACTTGGGTCTGCGTCGTT	12749
GCTTCCACCATCACAAATGCTATGGCAGCATCAAGAAGTTACCCTATATGGTCTAAAAAGGGGAGGTGTG	12750
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GGGTTTCACCATGTTGGCCAGGCTGGTCTTGAACTCGCGACCTCAGATCAGCCTGCCTCAGCCTCCCAAA	12764
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GATGCTTGGATTTGGCCTTGAACCCGTGAGCCAGGCACAGGCAAGCAGAGGATAAGGCCAGTGAGTGGGA	12768
TCTGGTTCACATTCCGAGGCTAAATGTTAATGGCTTGCTGCTGCCAAACCCTGCTTTGGGGATGATCACTTC	12769
CTGGAAGACCTGCTGTAGCTTGGCTTCACACTCAGCTGTGAACTTGTCAGCTGAACACACAACTGCAGGTGCAG	12770
ATATTTTGCTTATCAGACTAGCAAGATAAGATTGATAAAGTCCAGTGCTAGCAAAAATGTGAGTAAACATCC	12771
TAAAAAGAGATTATCTGCCCCAGAGATTCACTTCATAGAGGTAGTCTGCAGCACCTTGGGGATTTAAAAA	12772
GTAGCCCAGATCAGGGCAGGATGGTGACTCACTAAATTCACTCATTTATACCTGGTTGATCCTGCCAGTTAAAG	12773
CTCTCCTCAGTGGTTTTGTTTCCTTTCAGAGACCTGCAGAAGACACCCTGTATGAAGCAGCAGAACCAGGTA	12774
AATTTAGGTGACACATGTCAGTCATCTGTCTACCAACATGATTGTTAGCTAAGTTTTCTTTTTTCT	12775
CTTCTGCATATGGATATCCAGTTTTCCCAGTCCATTTATTGAAGAGACTGTCTTTTCCTCAGTGTATGTTCT	12776

Table 1. Novel miRNA sequences

ACATGGAAGAATCTAAGACACAGAGACTTGGTAGATAACAGTATCTAGCTAGTATCTGGCTAATGATTGTTTT	12777
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TTGAGCAGATGGTTGTAAAGGTTGACCTGTAAAAAGAGGTGCCAATTTGTTTTGCTGTAGTGTGCTGTCA	12779
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GAGGCAGGAGAATCGCTTGAACCTGGGAGGCGAAGGTTGTAGTGAGCCAAGGTCACGCCATTGCGCTCCAGCCT	12781
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GCATCCTAATTATCAGGTACCATGATTGGGGTGATGAGAATGCACACAGTACAGACGTGTAACCCACCTAGGA	12784
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TGATTCTGAATTTGCCTGTCTCTCCAGATTTGGGGAAGGTGGTTTGCCTTTAAAATTCAGTTCTCTTATGGGT	12800
ACTCAATATTATGATGAGAAAGAGAATGCTAGGCAATCTTTAATGCTCTTGTCATTTCCATTGTAGTCATC	12801
CTAGCTCCTTTGAGGTATGTGCCATCAGGCTAAACCATCTGCCACTCCTCCTTATTGCTGTCATCTGCCAAC	12802
AAACTGGAAAGAAGCTTTCTGAGACCCTAATTTGTGATGTGCACATACATTTCACAGTATTAAATCTTTCCT	12803
TCACAGAATGGACAAACGCAGTGTTTCCTAACTGCTGACTCCACACAATAGCTTATCTCTGTGAGATGAATGCA	12804
TAGTGTACTAGGTTTTATTAGGCATCTTTATTGTCTTACTTATTGATGTGAACACTGCATGTCATACTGC	12805
TAGGTGATTGTCTCGCTGCTCAGCTATAGGCGATGGTCTCATCGCTTGGTGATAGGCAAATGTCCCTTCGTG	12806
TCTTGGCATCATGGTCATGCTAGAGGTCACAAAAAAATAGGATAGTTAGAGGAGAAAAATGGTGGTGGTGGTAG	12807

Table 1. Novel miRNA sequences

GGTATTTAAATCCTGTCGAGTGCTGCTCCTGAAGGGTGAAAATTTCCTCATACTTCCAGCCTGCTACTGGCA	12808
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GGAGATGACACGACTTATGTTTCAACAGGATCATTTTGACTTCTGTTTCAACAGTATAAATTTGTCTGTTGCCT	12810
TGTTGTGTAGTGTTGAAGCAGGGCATGAATTTACCATCCTCCACCCTCACTGTCAGGTGTAGCACATGCAGACA	12811
TCACTGTGTTGTCCGGGCTGGAGTGCAGTGGTGTGATTTCAGTTCACTGCAAACTCAACTACCCAGGTTCTGGT	12812
ACTGGGCTAGAATCAAGATGTCACCAGGGCTGCATTTCTTCTGGAGGTTCTAGGGGAAAATCAGTTTCCCTG	12813
TGTGCCGAGCACCATGCCAGATGCTAGACTAGTCTCTTTCCCAAAGAAGCAGGCATAGCTTGAGAACAGGAA	12814
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GATGCCGACATGCTGGCTATGCTACAGTGTCACCCCCAGCACTATTGAAGCCAAGCTGCTCCTCCTAGGCACA	12816
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ATGGGTGGGTGGTTTAGATATCAGACTAAGGGCCTGGCAGCCAGGGGTCTGGATCTATCTTCGTGTCCAA	12818
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CAGTAGGGTCATTATTTTAGGCCAGGTTATCTAACTCCAAAGCCCTTAGCTTAATCACTAGGCTATACTGAA	12831
TAGCATTCTGTCTAAGGTTAGTTTCAGCATGCAACTGGTGATAAATGGCATATAGATGCATGTGCAGGGGAGGA	12832
CAGACTTCTGCCATAGCCCCAGAGTCCTAGTCCACATATAGGAGTACATGGGCTCTAAGCCCTACACAGACT	12833
AGAAAAGTGTCTGGTACATGGTAAACACTTAATATTTGTTAACCGTTGAAGGTTGAATGTTTACTATTGAT	12834
GGATGTCAGAAGGCTATCAGTTTGCTGAATCAAACAGCATTGCCACAGGGCTCCAAGCTGGCAGGGCCCCTC	12835
ATGGGGAAGGTTTTTTCTGCAATGTTCATGGCATGGCAAACAAAGTCATTCCATGTCAACCTCATGGAATTG	12836
CCCCTTGCAGCCAATTGCAGCCAGGCAATAATGTGTCATCTGACTGTCCAGTTTTCCCAAGAGGAGCAAGG	12837
TCAAGCCAGCTAAATGATTGTTTCCCTGATGGCAAAAGTCTCAGATTGATTGCACAGTTTATTTGGTTGGAT	12838

Table 1. Novel miRNA sequences

TATCTGCTTCATAGTTTTGAAAAGGCCTGGTCCAATAAATAATGATTTGGCCATATCATGGGTGCTATTAA	12839
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GAACATATTCACCAGATCAATGGCAACATACTGAGTGCCAGAGGCTGTGTTGGTCTGTTTAGTAAAGATAT	12841
CCCCATAGATGGAGCTCCTTGAGGACAGGGCCAGACAGGATTTTCTCGATCCCCAGTACCTGGTGTTCTATTTG	12842
GTGTCTTATAAGGTGAGAGTTTACTTGCAGGCTGACAGGGAAGTAAAAGCCCAGATAAGACAAGCTCACAGA	12843
TGCAAGTGAGTGAGCACACAGGTTCTGCTGTCACTGATCAGATGAAGCACTGTGGCCAGCACCCCCAAACAAAG	12844
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CTAATTTCCCTTTATCTGCAACAGCTGACAACTACACTGTCATTCTATGTGTGTGGAACAAAGGTGACAAATG	12860
AGAAGAGCATGGTTGCATTCAACTCTATCTGTGGTCATATGATCAAAGACCAAGGAATGACAAATCCTGC	12861
ATGTGAAGTGCTGAGTTCTGGGGCAGAGAGGTACGGCACCTGGCACCCAGTGGGACTCAGTGCTGTTATTTCT	12862
CAGGACCAGTGTATGCCACCCTGGGGCTCAAGGACAGGCATGCTCAGCCCACCGCTGCCACCACTGAGGCTTCA	12863
GCTATGGCTAGATACTGTGTGCAAGGTGCCAGGGATACGGCAATGAGCTAATGGCATATCTCTTACTTGCATGG	12864
TCCTGCTGGCCCCGCCTGCTGGGGGCTCCCCGGCGCCCCCGGGCCCCGGCGGCGGGGGCAGGAGC	12865
TGTAAAGACCGAAGTTTTTTTTAGACGGAGTTTTGCTCTTATTGCCCAGGCTAGAGTACAACGGCGCGGTCT	12866
ACCTGTGATGCCACTGCCACTAATACATTATAATGTCCAGTGGGTCCGATGGCACAGTTTATTTTTCACATCA	12867
TGAGGAACAGAGTGGGTTAGAGGTGGGTGCAGCTTCATTCTTTAAGTCTGAAACAGTTTCGTTTTCCACACTG	12868
CAGTCTTGGGTATGTCTTTATTAGTGGCAAAAAAAAGGGACTAATACAGTATCCAGAGCTTTCTTTGAAAT	12869

Table 1. Novel miRNA sequences

AAAATGTACAAATACAAAAAATGTCTAGGCTTGGTGTGGTGGCTTACACCTGTAATCCCAGCACTTTGGGAGGC	12870
TGCAAACAGGCTTGCTGAGGTAGTAGGTTGGTCCCACCACCCACCGTTCCTATCTCTATAGATGGCATGGTGCA	12871
GAAACCAAGGTGCAGAGCAGCATATATTATATACTGTTGCTACTGTTTATACAGTGTTGGTATATATATGTGT	12872
GCCCAGCGTCCCTCTCGGCCCCTTCCCTCTCCCCCGGGGGAGAAGGGGCGGGTCCACGCGGCCTGGGCGCTG	12873
GGAAATTCTGAGCTTCTAATCCCTGGGGGTGGCACATGGGGGGCTGGACAGTAAGAATTGATAGATGTCCTC	12874
AGGACACTGGGAGGTCAGATGCCCTGGGGCAGATCAAAGCATTGCTTATCTGACTCAGCAGGACACATTTCGTG	12875
ACAGGGTCTCACTATAGCGCGCAGGCTCGTTTTGAACTCCTGGACTCAAAGGACCCTCCCGCTGCAGCCTCCC	12876
CAAAGGGCACCTGTGTCTACCTGAAACTAGGCAGCCTCCTCTCACATCATGCTCAGGGTAGGTGCACATGCC	12877
CCAAAGAAGGAGGTGAGGCCTCTGATTCAGGGGTGTCTGCCAACCCTTGTACCTCCACACACACACTCCTGA	12878
CTCTTGAAACCTTTGAATTTATATTCCGAAGCTAATTTTTGTTGGCTGCTAAATGCTTTTACATGGTCTTAAG	12879
AGGAAGCCAGAAGATTGGACACGCCTGGCATACGGCATACCACTGCGCCATCCAAAACAGCTGTGCACAGCC	12880
CTCCCAAGTAGCTGGGACTACAAGTGTGTGCCACCACGCTTGGCTACTCTTTCCCTGTTGCACTACATTGAA	12881
GCATAACCTCAGTTTTCCCAGGAGTCCCTCGCCCGTGGTTATTAACGCCAGAGTTTCTGGAGCTCACGCAGTGC	12882
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TAATAATTTTTGTAAAGCTGTTATCATAGTACCCTGTCTGATGGGTGACAATGTTTTGATTGGCTTTTCTCTA	12885
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GAGACCCAGCCTTTGCTGAGAAGATGTTTTTGGTAAGCCAGCATGTAAGGAAGCCTTAGGGCTTGGTTTCA	12888
TGACTTTCTTGTACATGTAGACTTTCTCCATCTTGGAGGCAAGTTGACCGTTGACAGATGAAGTCTCAAAAC	12889
ATTTTAACCCCTTAGGCTGACAACTGACACAAACTCAGATTGCCACACACAGAAGCCAAGGGGTCTGTTG	12890
CTCTCATTGCTTCCAAATGATGGGGTACAGGAAGCCCTACCCCCAAATAAGGCATCTTGGCATACTGAGAATT	12891
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GCAGACTGACCTATGAATTGATTTATTGACCATCTGCTTTATCATTAAGGATTGATGGCAGAAGCAAGAATGC	12893
GATGTATGATACTCCCATAGAAAACCTGTAAATATATATCACATTGGGTCTTCTATGGAAGCAATAATCAATTAC	12894
GGTTACAATTTGAGCTAAAATTTGGGTGGGGACACAGAGCCAAACTATATCAATCCACCTCTGGTCCCTCCCAA	12895
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TATGACTAGTTCTGAATGAATGTGGGAAACAGCCTATCCGGGTCCAGTTTTCCCGTGAATTTTTGAGAG	12898
GAATTTACTGGCATACAGAGAAGCAAACAGAGTGTGTGGGATGCTATAGGATAACAAGCTCTCAACTGCCA	12899
GAGATCTCCACCTCCTGGTCAGCTCTGAAAATCTTGGCAGCTTAGCACTGCAATTGGCAAAGGAGTGTTTT	12900

Table 1. Novel miRNA sequences

AATAGGGGTCTAGTTTCATTACCCTGTATTTGGCTGTCCAGTTTTCCCAGCAGCATTTATTGAAGGGTGTGTT	12901
ATAGGTAGCTGGTAAACTTTAGTGGGATTTTGTGCCTCAGCTTGTTATTAAAGTTACTCCTGAGAAATGATC	12902
CATGACCCAGTTGTTGGACTGAAGCTGTTGTTTATTGTAAGTAGTCTCAGGTCAAAGAAGCTGGACCCGAG	12903
CCAGAAAGGCTACATGATCTCCCTACTGTCACGTAACTAATTATATAAGTGTAAATCTTAGCCTTAGTCTGGC	12904
CTTTCTTTGGCAATGGATTAATGGAATCAAGAGTGGCTTGTCACAGCAAGTGTCACAGTCAGACAGAAAG	12905
CAAGCCTTATGGCCTGAGAACTAGGAGAACCAATGGTGTAGTTCCCGTGCAAAAGCCAGCAGGCTTAAGACC	12906
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TTTTAATTGTTGTCTTTCTGTATTTTTTACTGTCCCAGAGGACAACAGAAATACCCCACAACTTTGTTTAGAGG	12909
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AGGAGTCATTCATGATCAGGTTTACATCCACTGTGTAGCTTAATGAGTGAGGTTTGAACAATTGGCAAAATGAT	12911
CGCCCAGTTTGTGGTATTTTGTTATAGCCACCATAGCAAAAATAACACACAACTACTAAGGGAAACCATGATT	12912
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AAAACAGGATGGTTGTGTGGATACTTACAGTATGGTTTCTACTGAATGTGTATCATTTTTACACCATTTTAAA	12919
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GCTAACATCTGAAGTGCAGTATCCGCCCAAAAATCTGAGTCGAATAGGGGTGTTTTAACCTACTTGACATGTT	12921
AGGAAATAAAGGGATAGTGAAACTTAAATCTCTATGTTTTACAAGTTCTGAAATTTCCTTCTTGACCTTGAA	12922
GGGATTCAAGCTCAGGTGTTGGGTCCAAAGCAGATGCTCTCTCTGCTGCTCTACAGAGCAAATTCCAAGGTC	12923
TGAACTTCTTAGAGTAACAGCATAAGGTTAATGCCATAATTGCATTCACAGGTAAAAACTGCTGTCCTAAGAT	12924
TACTGAAGAGAGTAGTGCAAAATGCCAAATTTTTCTAGCACAAAGAGAAATATTGGCAGTTATCCCCAAAATTC	12925
GCCCCAGCCACCATCAAACCACCACCATATGAGAGTTCCCAAACAAGAACTCCAAGCTGAGTTGAGCCTGGT	12926
AGAACTTGGGCTCTAGCCTCTACCATTTCTAATTACTTGAAAAAGGATGAAGTAAATAGGTCCTCCATGTTTT	12927
CAGGACATGCAAATCCATGCAAACAGAAGGTAATCTGGTGGCTACCAGGGGCTGAAGAGAGGGGAATGGAGAGT	12928
TTCTGTGGCTCTTATAGGAATTTGTATTTATACCCAGTTGCCTTTAGCTACATTGTCTGCTTCTGGCCACAGT	12929
TTTCCTTATCTGTACAGTTTGGAGGAAGGTGATAATAGTACCTGCCTCACAAGACTGTGTAAGGAAACATAA	12930
CTCTGTCTCTACAAAAAAAATTAAGCCAGGCATGGTGATGTATGCCTGTTGGCCTAGCTACTCGGGAGGATGAG	12931

Table 1. Novel miRNA sequences

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TCAGCACTGCTTTACAATCACCATGAGACAGGAGTCTCTGGGCATGAGAGGAGTCAAAGAATTACAGGTA	12934
CAGGATGAATTTATAGATGGTCAAACTGGATGCTCCCATGCGTCATGCCTCATTATTATGATTCATCTACTT	12935
TCTTTAACTCAGCGTTTTGGCAATGGATTTGCACTGGTGCTTTGTCTTCTTGTCGTTCTCTGATCCTACTAT	12936
CCAGGATCTGATGGCTTCCCTGCCGAACTCTATCAAATATTTAAATAATGAGGGCCAATTCTCAGATTCTTC	12937
ATATTCTGACCTATTAATTGAGAGAGCTGGTTTCTGAGTTACCTTGTAACTCAGACTCTCAGATAACCAAA	12938
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AGTGGTTGTGGTCAAAGATGTAGGTGGAGGGCAAGAATGCAATTGGAGGGATTTGGCCTGACTGGCAAGGTA	12940
CTCAGTCCAGTCTCAGCTAATTTGTGACTGATTGCTCTCTTAATTTCCAAAGTGGCCTCGGACACAAATTAC	12941
ACTACTCCATGTGTTTCTGTTTGTATAGAGTGCATTTTAGAATCAATTGAGGTAGTAGGTTGTATCTTGAAATC	12942
ATGGGACCTGCCATTCTGACCAGCAGGCCAGTGGATTATCATTCTCTCTGTTAGGTCCTCCCACCATGGCAG	12943
TAAACGACTATTTGTAGAGGCCCTATTGAATGCTAGATACTGGCACTGTGGAAAGCTACAAAATAATACA	12944
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AATTTCAGAACATTCTCATTAGACTGAAAAGAAACCCAGTATAAATGGGCATATTCTGGACATTTCATATAA	12946
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TAGCCCAAGCTGCGGGCCCTGGGAGTGGAGACGCGGAGCTGCGGTCGCCGCTTTCTGGGCTCGCTCACCAGC	12948
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CTCCGAAACTTTTAGTAGCACCATTTGGAATCAAAAATGCTTATGAGGTTTATTAGGAAATGTACATCAC	12950
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AATTCTCATGGTGTTTCACATGACTGTGCTCAGAAGAGGGCACACCCACTCTAAACAGAAAATGTTCCAGAAGA	12955
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AGCCATATCAGAATTCATATCTATAAATGCAATGGTTTGCAAAATTTCTAAAATGAAAAATGTTACCATTGC	12958
AATACGTCACCATAGCTGGGCTCATTGGCTCGTGCCTGTAGTCCCGGCTACTCTGGAGGCTGAGGTGAGAGGA	12959
GTTTTCACACTTAGTTCCCACATGGTCTAGCGTCCACATTTTGAGTACCAGTGTCTAGGTGATATCCTTA	12960
AGTTGACACCTAAAATTAACCATCACAGTCTCAGCTCTTAATATGCTGTGATGGGCCAAATGCAGTAGGAACT	12961
TATCCTCTCTTGCCTCTGATCGATGTGGTGACATCATACTCTCCCAACTTGGTCTTAAGGTATGTTGGATAA	12962

Table 1. Novel miRNA sequences

TCTGAATCAAGCTCCTCAATGGTAAAAGGTGTATTTGATACCATCTGAATAGCCACAGAGCCCAGAGCCCT	12963
CAGAGTAGCTCTCCTCGTGCCACCTTATGCTCGCACAAAACTCTGAGGAGTCTACAAATTCTACACATGAATC	12964
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TAGTAAAGTATCTAACACCTGAAGGCACTGTACTCGCTACCCTAGTGCCTTTGCACAGGTGGTTCTTAGCCTA	12966
GAGGAACTGCAGGTTCCTTATCAACAAAACAAGGATAATAAAACTTGTGGTTTATTGCAGTTTTAATAAAGAT	12967
TGCTTTAGTCATCACCTAGCTGCGAGAATGCTGCCAGACAAGATTTTTCTTTCCAGGCAGAAGATAGGAAGC	12968
GATGTTGCTTATTCTCTCTTTTCCAAGTTTCTTGGAAAAACCAGAGCTACTGTGCATTTCTAACCTTCAA	12969
GGCACTATTGTCACGAGATATATGTCCTATAACAGCATCTTTGCTGCCTTCTACTACATCTTAAAACCAATGCC	12970
AAAAGGCTTTGTCTAGCATTATCCAAGTTGTGTTTAACCCTCTGAGGACCTGCAGCCAGATATCTAGATGAAGT	12971
ACGATTGAGATGAAGACAGTGCTGGTAGGGGGATCAACCCAATGTGGCTGCTGAAGGGGGATGTATGCCAGGA	12972
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AAAAAAATTCAAAACAAAACCCATGTACTACCCTACTCTAACCAGGGTGGCATGATCAGATCAAGGTTTGGGT	12974
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TCTAGTACCACAGGGTAGCCAACAGTTTTTAGTGCTCTCCTGAAGTGATAGATCCCTGGGTGATAGGAATTGA	12981
TGGCAGCTACACAGCCTTCAAACGAAAGTGTGCCCAGGAAACCATACTTGACCCTTTGAGGGCTTTCTCTTGCC	12982
GAAAAAGAGGTAAAGCACCCCTTTCTTTTGTAGTCTGTGAATAAGCAGGAATAGGAGTATCGTGGCTTCTTAG	12983
GACCATTAGCTTTACTGCTGCCCGTTGTCACAGCAGCAGTGTTTCTATAAGGCAAAGGAGGCAAATGAAATG	12984
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CAACTTTTCAGTGTTCAAGTAAAGCAAACGCCAAGCTGTAACCAATCAGGGTGTTTCTGTACCTCACTTCCAT	12986
AGCTCAGCTTAGCTGAGAAGGCACAGGGCATCTAAGGAGGATGGGACGTCGTTACCTAATATGAGTGGGGGC	12987
TAAAAGCAATAAGCACAAGTTTTGTCCAGATATTTAATAATGCTGCTTAAACTTGTGAAACCATACTTGTGTGT	12988
CAACAAAGAAGGCTGGTCCAGTTTTCCCATGATAAGCTGTGCTGGGGAGAAACATGCAGCGGCCGTTGTT	12989
GTCTAATTTTGCCATTGAAAGCTCTGATCCTACCTGCAGCTGATCTGGGTGCAATGGTTTTAGGACTCAAT	12990
AGAATGTGGGTTGGTTTGGGCTGTAGGCAGAGGTAAGGTAATATGTCTGGCTAGAGTTAGACAGAGACAGG	12991
CTCCTGAATTTAATTTCTGTTCTGACATTAAACTACTAATGTTTTCAGCTGTGCAGAAAAAAAAAAATCACT	12992
GGACCCTGGCCTCCAGGTAAGGAGGGAAGGGCCAGTCCTAGATACCGCCTTGTCCATCTGCACGCT	12993

Table 1. Novel miRNA sequences

AACCTAGGATCATGTCAGTTGGTACCATGTAGGCCCACCTCTACTGTGTGACTTTCAGCAGGACACTTACTCTT	12994
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AATTTATGCCAACAACCCAGTAACAAGATGAAGATGAACATCTGCTTAAATGAGAAGTTGTTGGATTTTGT	12996
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ATCAGTAAATGGCTTGTTTTTTACCTTTTTTCTTCTTCATAGGTAAGGATGGTGGTCTACAGAATACAATAAC	12998
GGCATATCTGCACAGTCCATGTTAGGTACGTGGGTCAGTAAGGTGATTCAAGTAGGCTGCATTGGGAGGTGGTC	12999
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ATGTCACCTGTTTAGTACCAGCAAAGGAAAAAGCAAGACCGCAAATAGCTGGTAATGAAATCCTGTGGAATTG	13002
ACTCCTATGAAATCATAGGAAGCTGGAACATGTGGTGGATTGTGATTGTGGAATTGACTCATAGGAATTGGG	13003
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TACAAATGCCAGTTTCCTGGGTTTGCTGTAGTTCTATAGTTGCTCAGGTATAACCATGGGGAGAAACTGA	13007
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CAAGAATAAGAGCAAATATTATAAGTTAGGGTGAAGCACTACATTCTTTAGACCCCCACTGAAGCTTTGCTCA	13009
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CAGAGTAAACAACAGTTGAGGTCAAAAGGGTCCAATTTCCTTGGACAAGCAGGCCTCAAGAAGGCCTCTGAGC	13014
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GTCAGGAGGCTGCTGCTGCCTCCAGGTGAGAGGCGAGGGCTAGACGAATGCCGTGGAGGTGGTAAGTGGTTTT	13017
CTGGTGGTGGGTGGCCTGACTCGCAGGCCAGGGTTCCCTTGGCCCTCTGGGTGGGCATTGGTATGGCCCTCAG	13018
TGTTTTTCAAATGGCAGCTACAGAGAGAGAGGGGCTGTGATTTCTTGTCAGAACTGCTTTATGGGGTTGTATTT	13019
TCACCATGTTGCCCAGGCTGGTCTTGAACTCCTGATCTCAGGTGATCTGACCACCTGGGCGTCCCAAAGTGC	13020
ACTAGATGCACACAGCCACTGGGAGGAGGGCCGTGTCTTGAGCCCTTTGAAGGCTGTATGGTATAAGAACT	13021
CCTTCAGGCACTAGTGAGCAAGCTGTTCTTCCCTCAGGGCCTTGGGCACAGTGACTTGTGAGGCTGGGGT	13022
CCCAGCCGACACAGGTGTGGTTTTAGAGTGAGGGGCAAGCCTGAGTCATTCTTCTGGATCACTGTGGTCCTGCT	13023
TGAACTCCTGGCTGAAGGTATCCTCCCACTTTAGCCTCCCAAAGTGCTGGGATTACAGGCATCAGCCACCACG	13024

Table 1. Novel miRNA sequences

TCCTCTGTTGCCTCATAACTGATTTCCTGAAACTGTTGTTTTATATATTATCTATTTGGTTGTTTCAGTAGG	13025
AAGGCAACCTGGGAAAAAACTCTTCTGGACATTGGCCTAGGCAAACAGTTTATGATTGAGACCCCAAAAGCAA	13026
GCAACACCAGCCCACAGCTGCTGGGCTCTGCCTGGGAGAAGCGGCTGTGCACCCATGCCCAAATGCTGAC	13027
AATATGACCATTGATTGTCGTTTTAGGTAACAGGTGAGAGTCAAAGGATATCATGTAAAACTGACAGACTAGAT	13028
ACTGATGATTACTAGCAGCTTCCTTCCCTAGGGGCCTTTTCCGATTATAGGCTCAGACTGAAGTTTGGATC	13029
TCCTGCCTCCAAATTTCCTTCTTGTCCCGAGTGCTGGGGAGCCCCCACTGAAGAAATGGGAAAGGATTTGGG	13030
ACTCCTTGTGGGTCCCCAATACGGAGCAGTACTGCAGAAAGTGCTCTGCTGGGGTTAATGTGCCACATGG	13031
CCTCCTCCATAGAATATCACGTTGCCTCCAGCGCTTGTGGGATCTGGGGCTGGGTAAACAGGGACAAGTGAGG	13032
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ATAAAATTACCTCATAATAACTTCTGTGGATACGCTACCAGGGCCGCCCCACTCGCGGGCCCAGTCTGGAGGTG	13034
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CCAGAGTCTACTTCAAATTCCTCCCTTAGGGGCCTTCAGGACTGTTAGGGTGAGATGTGAGCTGGTGTGGA	13047
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TGTGCCTCAGTGGGAAAGCAGCCCACACCATCCCTTGCTCCCTGGGCTCCTCCATCCTCTGCCAAGGCTCAC	13049
GCTGGTTGGCATTCTGGCCCTGGTTCATGCCAACTCTTGTGTTGACTACCCCAGGATGCCAGCATAGTTGCTTA	13050
TGGGGTAAATGGCAAGCAGCATTCTATTTCCATCTCTCCAGATAAGGGTCCTTAGGAGCTGCTATTTTAGACCA	13051
GGGGTGCAAAACTGGGGGGAGAGCAAGGCTGGGCCTTAAGGCTTCTAGCACAGACTGCACGTCCGATTGACTGG	13052
TCATCCTTCAGGTCCAGCATAGGCTTTGTTTCCTCCACAGGGCCTCCCTGGTCCCCAAGGTGAGGAGCACATT	13053
TAGAAGAAATGGCTCATAGATGCTCCTCCAACTAGTGGCTTGGGATCCCTGAGACCAGACATCTCAGAAATTTA	13054
TAGCCAACCTAGCAAAGGATCTGGGACTAAGGGTAGAGGAACTGGCCGCGAGGGGGGCCCAAGTTGTGTC	13055

Table 1. Novel miRNA sequences

CACTGCCCAGGTCCCCAGTGCGCCCCCTAGTGGCCATAGCCTGGTTAAAGTTCCCCAGTGCCTCCTTGTGC	13056
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AAAATGCACAGAGCTGGGAAGAGAGGGACAGTTATTAAGTCCACCTGAGATGAAGCACGTGCAACGCTCTG	13059
ATATTTCTCTGGCAGCTGACCTATGAATCAAAGGACTAAATGTTCTTGTACTATTCGGGCTGCATCTTCTT	13060
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TCCAATGCTGAGCAAAACAGAGCTTCTCCTCTTAAGATGATGAACAGTTTATGGGGTTATGCATTGTAATAAC	13073
TCTGCCCTGAGGGTGATCTCTGGTTGCAGAGTGGCATGGTTGCAGTAGCATGGCAGCTAAAACCCCAACAGAA	13074
GTGTCTCCTCACTGTAGGATCTGGACTCATGGAGCAGCCATCAACTTGGTCTATCATGCTAGAGGGGGTGCA	13075
TTAGTTGTCAGCACAGTCTTTGTAGGCCTCTGCACCCCTCTAGCATGATAGACCAAGTTGATGGCTGCTCC	13076
ATGTAAATTGCACACACATGTGTACGTGTGTGTGTGTGTGTACATAGGTAGAATGACTTCTTTGG	13077
TAATACAGTCATAATATTAATAATGGTAATAGTAGTTAAAAACCTATTATGTACCAAGCTCTATGGTAAGACT	13078
TGGATGATCTTTTCTCCCACTTCATCACATTTCCCATCTCCCAGGGAGAGAGATGGGAAATAGAACTCTAA	13079
CTGAGGATGCAGCACAGACCCTCAAAACCCCAGAATCCTAAAGCTGGGACTGCCATGCAAGACCCAGGAGTCCA	13080
TTACAACATCTATGGCAGCATCAACAACCTTGGTTAAGTTGGGGGTGAAGTCACCAAGGAGTGTGTAAAT	13081
TGGTAGAGGCTGGTGGGAGCTGGTGAGTTATGGGGTTTGCAGAGTTTTCCTGCGAGTGGAACAGTCTCCAGG	13082
TGGCATGCACTGATCCTCCTTCAGCTGTCCTGGACAGCAGCATTGCACAGGAAGCACCCCTGGAAACCCTATGC	13083
CGCGTCCCGGCGCGCCGGGCTCCTGGGGCCTCACCACCTCGCGCGCCCAGGGCGCACCACCGGCCCGCCGGC	13084
TAACATACCTGGTTGATCCTGCCAGCAGAAAAAAAAAAACAAAACAAAAGGCTGGGCGCGGTGACTCACGCTTGT	13085
ACTGGGGGGAACGCTGTGCTGTAGGCTGCACCCAAGGGTAGGGGCTGTGCGACCACATGGAGACTGCCTTTC	13086

Table 1. Novel miRNA sequences

CTCAGTGGTGGTGTCTGTGGCTTTTCATTCCTAAGAGTATAAGGAAAGCCTGAGCCATACAAAACAGGAGTAC	13087
TGACAGGCTTGTCGAGAATCCTGCTTTGTGATCTCATGTGAGATGATATGTAACGGTCCCTGTGTACTCA	13088
CTGCTCTACCCATTCCCTCTGGTAAAGGAAGAAATGGAGGCAAAGAGAGGTGAAGGGTGAGTGACCAAGTT	13089
GATTGCAGCAGCAAGGACGTGAGGTTTGATGTCAGACAGACCTGGCTTCACCGCTTTGGAAACGTGATCTTG	13090
TGTGTTTTCTGTGGCTGTGCTCTGCTCTCCCCTGGTGGCTCAGAAGAGCAGGACTGTCACAATCCAGCCCATC	13091
TGTAACCATCGTAGTGGTTAAAAGCCTGGCCTTAGGGTTCCAGCTGTGCTATTTACCATGTAACTTTGGACA	13092
TGGCAAGGGACTCTGGGATGTACAGCTTTAAGATTATTGGTATCAGCACCAGTATCAATGAGCAGAGTTTC	13093
GAGTCTTCCTGCCATGGCGAGGCTTGGGCAGGAGCCTGCCACTCACCTAGGTAGAAGGCCTTTGAGACTA	13094
AGGAGGGGTATTAAGAGAGGGACCAGTCAGCAGGCGGTGGATGAAAAAATAAAGCCATGCAGGCACTCTG	13095
TCTTCAGGTCTCAGCTTAGAAAGTCCCTCATCTGGTAAGCCTGGAAAGTGTCACTAGCACAAGGCCTGGC	13096
TGGGGAGGTTAAATGGTTTATCCAGTCTCACAGCTGGTAAGTAGAAAAGCTGGGATTTGAACTTGGGTCTC	13097
CAGCAAGTTCCCACTCGGATGATGATGTCATCATAGCCAAAGAGGGAACTAGCGTTTCAATTGAGTGTCTTCT	13098
AGATGATATTAAGAGTAAGTAGATACTTTTCTTGCTATAAATACTGGTTCCCTCCTTACTTAATGTGGTGTCAG	13099
CACCTAATGTGTGCCAAGATCTGTTCATTTATGATCTCACCGAGTCCTGTGAGGTTGGCATTGTTGTCTGGCATTGTCTGATATACAACAGTGCCAA	13100
CCTCACAGGACTCAGTGAGGTGAAACTGAGGATTAGGAAGGTGTA	
CCTCTCCTGCTCTCATCCTATATGAGTTGGGGGTAAGCTTATCCTTGGCTCAGGGACTAAGGTACTGAGCACT	13101
GAGGCAAAAATCAGTGGGGATGATGGAACAAAATGCTAGTGTTTATCTCCATCATCCAAGATCTATTCTC	13102
AAAGAATGGAGACCCGCCCTATACGCCGGCCGAGAGAGGAGAGTGGGCGCGCCCCCCCCACCCAAGCCGA	13103
TGGGGAGAGTTGGGGTACGGGTGTTTGCCCAGGATGTAATTTCCAAGGCCCACCCCAGATATACTGAATTAGAA	13104
ATCTCTAATTTGTTGAGGGTTTATCATGAAGAGATGCTTGATTTTAGTGAAGGCTTTTACTACAACTATTGAGA	13105
ACATTTATAGGTACCGAGGGTTGGAACTGGATACATCTTTTTGGGGCTACAATTCAACCCACTTCACTTAC	13106
AAGTTTCCTTAGCAGAGGAAGAAGCTAAATAAACCCGCCTTCCCTTTCCTGGTTACTGTCTCTCTCTCAGCTGG	13107
ATTTAGAGCATTATGTAAAATATGCTCTTGTTTGTGTAAAAAAAATATAAGTGTGCATATGCACTGAACA	13108
ACATAAAGAAAAATGGGGCCTGAAACATGCACAGGGAGAAACCAACTTGTGTTGACAATGTTTACCCTATTA	13109
TGACTCCTGAGCAATAAGGGATTGTGGAAACTATGGGGTCAAAATATGTCAGTTATGCAAAATGGGGTCGACT	13110
CACCACGCCTGGCCAAAATGCTCTCATTTTAAGCAGACAATTTAAATTCCGCAAATAGTCCAGGCATGGTG	13111
GCTAACTAAGGAGGATTCCATTTGATTTCAGCAAACAAGTTTTTGTCAAATATGGGTTCCTGGGTTGGTGAG	13112
GGGAAGCGGGGCTGCACGCGCGCTTGCGGGCCAGCTGGAGTTCCAGGTGGGCGTGGGCTTGGCAGGCCCCTCAC	13113
AGAATTCAAGCTCCTCTATCCTCCTAGCCTGGTAGTCTCTCATTAGGTTTATAAAGGCAGTTGAGTTTTG	13114
AGCAAAGAATTACAAGTCCTCAAAAGGGTGGAATTTTGAGCTGCATTTCTGTTCTTTGAATGGGTGCAAGTGG	13115

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Table 1. Novel miRNA sequences

GATCAAGTGCTCAGGACAAGGCCATGCTGAAGAGACAACCTCCGAGCAGATGCCAGCAGGATGCTTGAGG	13116
TGCACAGTACTGGGTAGTTTCTGGGGTTAAATATTAAATCTGAGTATGTTTTTCAAAAGTATTTAGATGTGCA	13117
GCAAACACCCCAGAGTTCTCCTATCTCAGTGCTGTTTGTCTGTAGGATGGATTAGGGAGGTGTTCGTTTAT	13118
GCCGACAGCAAGCTTTTTTGCATGGGAAAAAGTTCCCTTCCAATTACACAGCAGTTTTGTGGTGGCTGAGGGGC	13119
CTCTGAATGCCGAGGGCTTCAGTCAGAATAGCAACACACACCTGTGCTTCTGTTTCCCAAAGGCTTTCATTTC	13120
CAGCATGAAGAGTGCATGAGTGAGAGCCACGGGCCTCCTTAGGGGAAAAAGAACAAGTACTGCCCAAGTTGC	13121
AGCTGGGTCTCCTGGCTCTTCCTAATGGATATCCTGTGCTAGTGGTAAATTCTAAAGAAAAGCCTCGAGATC	13122
TGATCTGAACGAGGGGCTACACAGTGGACATTCTGAAAATGATTGGCTGTAACCCACTTTCTTTTGGTTA	13123
CCTGGTGCTCCAAACCTTGAATGAAGAGCCACAGAAATGTGGCTGGTCCAGCCCTGGTGAAGGCTTTGTTACAC	13124
GCATTTAGTGTTGGGGTCTTAGTCATAAATTCTTCGTCTAGGTTAATATCCAGAAGAGTTTTTCCTAGGTTTTC	13125
GCTCACATTGTCTTTTATCAGTTCACTGGGCACAACAAACTTGTATCCTTCTGAGGGTCCTTTTAGATAATGG	13126
AGAATCACTTGAACACGGGAGGCGGGGGTTGCAATGAGCTGAAATCGTGGCATTGCACTCCGGCCTGGGTGA	13127
TGCAGTAGAACAGAGCACCAGGTACATTCCTAAGGCTCCTGACTCCAGGTCCTGACTCCTGGACAACACCTCTG	13128
ATAATAATCAGAGGCTATTGTTTTGCTGGTGAAGTAATATTCCACATATCCTGGCCCTGGTTCTTCTAAG	13129
GGTAGCCCCTAATGAAAACTGCATATGCTACAATTGGTTTCAGAGTCTGCTTGACTGAGAATCCATCCGGTTGT	13130
TCCAAGAATTTACATTTCACTGAGGCCAGCAAGTCTTTTAGATTCTTGCTTATCTCTGAAGCATTGATTCAC	13131
GAAGTCAACATAGTGAGTTAAATTTACCTAATCTCGGTGATTATTCTGGCCCATGTTATTAGCTTGTGTGACTT	13132
CTAATCCACAGTTTCAGTTTATGGGGTTCTAGTTACCAAGATAACTTTGGTCCAAAAATAAGTGGGTATAGCA	13133
TTCTAGGCTGAATTGCGTTTGTTACCACATCATGGTAAGGGGCTCATCACATTAGTGAGGATTTCCATTATTTA	13134
TCTTCTTTTTCATTTCCAGGATAGGTCTGAGTTTACCCTAAGGCTGGGAAACCAAGCAGACACACCTAAGTT	13135
GGCAGGTGAACAGGTTATATGGTAAACTTTTGTCACAGGGGTTTGTTGTACAGATTACTTTGTCACCCATGTGC	13136
TTGGTTGACATAATTTGGGTTATTTGCCATCCCTTTGTCAGTAACTCAAATAAGTGTACCACCAAAATTATAG	13137
GTAGGATCCAGCAGAAATCGGCCAGCTTCCCTACACAATAGCTCTGGTAGTATCGGTCTGATGGAACTAGTT	13138
ATTCTGCTATTCCTAGTTTGCTAGAGTTGTTATCAGGAATGGAAGTCAGAGTTTGTCAAATATTTTCCCTGT	13139
CCTGTCTCTACAAAAAAATTAAATGATTAGCCAGGGATGGTGATGCACCCGGAGTCCCAGCTACTCGGGAGGCT	13140
TTATACCTCCCCTGGTTTTTAGTAAAGAGCCAATAAGACAGTTCCTTCTTCCTAGGACTAAAAGCCACGC	13141
TCTGAGATGGCAGGCCCTGGGGCCTTCTGATAGGAGCCCCTACCAACAGCTCCCACAGGGTACCCCACCCTAG	13142
AATTTTGGTAAGGCTTTCCCCTCACTCCTGGGTTCCCTATAAAGTGGGGAGCATATTCCTGCCAACACGA	13143
TCTGCAGCAGCCCCAGGTGAAGGAGCATTATCAGGAATTGTGCAACCTTAGCTATGGGAACTATGCGTGTGAA	13144
AGGCGGGCGGCGGGCGGCGGGCGGCGGGGGCAGGACGGGCTCTACCGCAGTGCCCGCATCCCGGAGCCGCCCCT	13145

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Table 1. Novel miRNA sequences

TACTGCCCTCGGCTTCTTTACAGTGCTGCCTTGTTGCATATGGATCAAGCAGCATTGTACAGGGCTATGAAGGCATTG	13146
CTGCGAGGCTCTATCGCCACCTAGTGGTCACGACTCAGCATTCAGGTTAGAGCAACCAGCACCTAGAGGA	13147
AAAACCCTTTGAGGCACGTCACAGTTCTTTAAGTGACTACTGAGTACTGAGGACGACCTATGGGGTTCCTTC	13148
ATGTGGGCCCCTTGGGGCTGTGCGGAAAGAGGAGAGTCCAGTTTTCCCAGGATGAGCCTGGAGTGAGGTTGA	13149
CACTTGAATCCCCATGTCATAGGCTGGTTGGAAATGCCGTGCCAGTTGCTACCTAGGTCTTCTCTCCTGTTT	13150
TGCCATTTGCTTAGGTGCTTGTGGGTACCTCTCCTCCTGAGTAATCCAGAGGAATCCATAGCCCTTCCGAA	13151
CAGCCATACACTTGCCTCCAGCCAGGTGCTAGTAGATGCATTCTGTTGTCATAAGAGGACATGTGGAAAAGC	13152
ATAACTGCGAGCTAGTTTGTTCATCTCTTTCCGTGGGTATCGGCTATTGCAGCCTCAAACTTGCTTTCCT	13153
TCTGCTAGTTCAGATGTGAAGTGATTAATGTTTATCATATACTTAAAACCTCTTTACAGTGACTGATACAGGC	13154
GCTGCACTTCCAGTGTGGATTTCTCTGCATACACAGCTTGACAAAGCCAGGTTAGGGAGACGAGATGGCCCAGC	13155
CCATTGGCTCATTGGTGAAATGGAGATACTAATAATAACCTCAAAGGATGTTGTTACTGTTCAATGAGCT	13156
TGGGTATGGGCATGAGACAGGCAAGTTCTCCCAGATGTGACTCCGATGTGACATTTTGGAGACTCCCTCAACAC	13157
TGGAATAAGCAAGTGTGGGATGATTTAAAGGCTGGGACTTTAAAGTCAAATACCCCAGAGTTTCACTCTGGCT	13158
TCTGGTTTCTCCCCATCTTTGTGGTTTTATCTACCTTTGGTCTTTGATGATGGTGACGTATGGATGGGGTTT	13159
CAGGCATCAGAATCACCTGGAGGGCTTGTTAAGCACAGACTGCCGAGTCCTACCCCAGAGTGTCTGATGCCG	13160
GACGAGCAATTGGGGGCCGGAAGATTGCCTGAGAAGAGGTGGTGTTTGTACCTAGATACATTTGTCAGAACTG	13161
AAGCACTCCAGGATCTACAGGTGCTAGCTGTGAAACATACGAGTAGGTAAGAGAAGGACAATGAGGCTCG	13162
ATTGGCAGCCAAGCAACTTAGTATTTGCTGCATGAGGACCACTGGCCCAGCTTTGTGCTAGAAGCTGTGG	13163
TAGTGGAATCTGGGGTGTCGTGCTGTCAAATAAACGTGCTCAGGCAAACCTGAAGCCTGTCTGGACCTCTTG	13164
AGGTCTTGCTGGGTTTAGACCGTGCACTTTTTTTTCCAATCACGTCTCTGTACACGGTTGTCAGTCATGCCT	13165
GAGGTGACCTAGGTTAGAGTCCCTGCTCTGCACGTCATAGCTGTGCAACTGTAGGCACTGTACTTCTGAGCCTC	13166
CTGGGTCATATTGGTAAGTGGATACTTAACTTGGTAAGACACTGCCAAACTGCTTTCAAAATGGCTGTAC	13167
TTCTGCCTGGTGGCTGTCTCTACACCTGCACCTTCAGAGTCTCACTCAGTGCACTGTGAGGTCACCTTGTGAGA	13168
GCCTGCGCGTGGAAGCGCGGCGCCTCGCCCAGGACCGGGCGTCGCTCGGGGCCGGGGCCGCAGCACGGCCGGGT	13169
ACCAGGTCAAAGCCTCACAACCAGGAAATACCATAGCCAGAGCCCGGCTAGCGTGAAGTCCCCGACCCTA	13170
AGACCATTGTGACAGACCATTGTGATGCTGACTATGTAGAGATTCACAGACCACTGTGACACTGACTATGTA	13171
CAAAACAATTTTGAGAGGAATGCTGCCTTGGAAGACAACGGAATCCCAAAGCCCTCTGAGTCGCTGGCTGCCTT	13172
TGATCTCCCTTCACAGACCTCCTTATCTCTCAACACATCCAGAAGGAATGAAGTCAAGAGATCAAGGATGAA	13173
TTGAGGCTATCAGCAAGGATGCTGACATGGAGTTATTTGGCCCCATAGTGACAGTGTGCACCTAATGCCTTCG	13174

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Table 1. Novel miRNA sequences

GGTAGATCCCACATGATGGCAAGCCTGCCTTCAGCAGCTCCAGGCATCCTGCTGCCAGCCTAACACCCCTGT	13175
AGAACTGAGGCTTGAAACAAAGCAGCTCTGGAGCCAGTGTTCTCAGGAAGCTAGGGGAGGTGCATGGGGCGGCC	13176
GTGGCCTGTCTTCTGGACAGGGTGGTCAGAGAAGATCTTGGGCACAGACCTGAACAGACTGAGGGATGGAGGA	13177
GACATCCCTCTGGGTAGATGAAGCTCCATGTCACACACTGGTGTGCTGGGCAAAAACCCCAAACCCTGTTGAT	13178
TGAGGGTTGAATTAGACGACCAGTGCAAAGTACTTAGTCTAGTGTTGCATAATGCTAATTATTACGCTCATC	13179
AATGTCTGTGCAACACCACCAGCAACGCATGATGCTAGGGTTGTGTAGGGCTATGGAGGTGGTTGACCAGC	13180
GACTCAGGCAAGATGCTGGCAAACTCCCTGCAAAGAATTGGGCACCCAGGACAGCTGGGACAGCTCAGGACATC	13181
TATCAAGGCTTATCACTGTGATGGTGACTTGAGCACCTGGCGGGGGCTGGAGCTTCACTTTCCTCACTGTGACG	13182
ACATTTGATCCATCATAGCAGCCATGCAAAATGGGCAGAAAGGGCATAATTATGATCAGCATGATGGATGGAG	13183
ATGATAGGTACTCTCCCTTTAGTGATCACATCCATACTGACCAGGGGTGGTGAGAATCCCAGGCAGAGTTGT	13184
CCTTCTACAAAATTGTCTACTTAGTCAGGCTATTGTTATACAGACAGTCCTTTGTATGTAGACATCTGTAGCAG	13185
GAAGCAGCAGCCCAAGTTGTACCTTGGCCACTGTTAGCCATGGCTGGAGCTGGAGTGGCCAAAGTGCAGGGC	13186
TCCGGGCCTCTCGGGCCCCGGGGAGCGCGGCGGGGCCAGGGGCCAGGGCAGGGACCGGGGAGGCCGGG	13187
CCAAAAAATTAGCCGGGCGTGGAGCCGGGCGTGGTGGCAGGCGCCTGTAGTCCCAGCTACTTGGTAGACT	13188
ATGGCGAGCTGGCCGTGTAGCGGTGGCGGTGCTGGGGGAGCTCTGTAGCATCGTGGCTGAGTGCACCCCGGG	13189
CTGCGTCTCCCCACCCTGTGCACAGTGCTTGGTGGGTGTCAGGTACTGAGGCCATGGGCAGGGCCATCCCTC	13190
GCATATTCCTGTAGTCTGGCTACTTGCAGGGGTGGGTGGGAGAATTGCTTGAGCCCTGGAGGTGGAGGTTGCAG	13191
CACATCCAGGTGAGGCCCCCCACTGCGCCCGGACTGGCTTGCCCTGGTGTATGGAGGGCTGTGCTATGGA	13192
GCTGCTGGTTCAGGGACTACTCTGTGAGTAGTACTGCTGCAGTAACTAACTCCATCCTTGCCCCCAGTGCAC	13193
TGGGGCTGCCATCTGGTGCCAGCCTTTGTCCCTCTGCCTGCAGCGGGAGCTGGCCCGGCAGACCCATGGCAT	13194
CGTGGGACTACGGTATTAGACAGAGATGTTAACGAAGCGATCATGCTGTCATAGCCCCTGGTGTGCTGTT	13195
AAGTCTGGGGAGGTGAGCTACTGGAAGAGACAGGGCAAGATGCCTCGGTGGAGCTGCCTGCTGAAGGGTGA	13196
GCACCTGTCAAGGGGAAGAGATGCATCCACCGTGGCCCTGCCCCCTAGAGGCGACTCAGAGCTCCACCTGATA	13197
TAAGCTTCACAGTGGCATTTAAGGCTCCTGGGTTAAGTTAGGAATGGGGGGTGTTCCTGATGTGGGGGCTT	13198
TCCTCTCAGTTGCCACTGGGATGGGGTGAACCAAGAAAGAGAGCCTTAGAAGCCAGGAATATCGGGGGGGCGTT	13199
ATGCTGAAGTCTTAATCCCCAGTACCTCTGTTTAAAGAGGGAGTTCAGGTCAAAGGAGGGAGTATGGGCAGCG	13200
TCAAACAAAAAACAAATGTAATCAGAACACTCTGATTCAGACGGTCTGACTACATTACATCCGGGGGCTTTTG	13201
GCCTCAGTGCGGCATCTCCACGAAACTCAGAAATCATGCCTGCGGGAACAGAGTGTGGGCAGGGGCCCAG	13202
TGGGTGGGTGGGACGGAAGCTGACTCTGGCACCCCCAACGCCCAGGGGGGGTCTGTATTGCCCAGTCTATC	13203
CTGTCGTCCGCGGTGCGGCAGAGCACTGGCCGCTCCTGGGTGCCGTTGCCACAGGTTACTGAGCACTGCAGGG	13204
CTCTACTTACGCCTCAGGGTCACCTTCCCCCAGCAGCACTGCAGCGCTGGCGGCTCTGAACAGACCG	13205

Table 1. Novel miRNA sequences

AGACGGGTACCTTCTATGGGAAGAAAGGGCTTTGCAGATGTGCTTGCAGTAAGGCTCTTGAGATGAGAAG	13206
AGGGATGGCTGGTCCAGGACTGGGCATGGTATGGGGTGGGTAGATGTAGGCCGTCTCTGTCTTGGTGTCAGCC	13207
TCCGGACTGCTTTGTGGATGGAGAGTGGGGCACAGGTCCATCGCCACCCACACTTTTTTTTTTTTGAGACAGA	13208
ACATCAGCAGCAAACATGTATACTTTATGTATACTATTATGTATACTATAGTGTGTTTGAA	13209
GCCCATCTGTTCCCTCAGGCCCTGGATATGAAGCTAAGGAATAGGAGTGTCCTGGTCACTAGGAATGAACGT	13210
ATAACAGCCTACACCACTGCAGCAGACATCCACACTTATACCACTGAGGCACCCATGGTTATTGCTGATGT	13211
AGCACTCGCGGGCCACGTCGATGAAGAACTCAATCACCTGGGCCCTCTGCTTCTTCTTGGCTGGCTGGGG	13212
CCACATAGAGACTGAGACTGACTGAATGCTTCAAGAGAGATGATGGGGCTGCGGACAAGCTCGCAGTGGGGAGA	13213
GAAATATCACAATGCGAGGAGCCCTTGGGATAAATGCCCTGCCTGGGCCCATTGCCATCAGCCGAGGGCCTG	13214
TCCGACGACGGCAGCCGGGACCGGCCCGGGAGCCCAGCGCCGACCCTCTCCCCTCTGCGCGCCG	13215
TTTCTGCTTTTATTGTCTGTGGTTTTGAAATCACATAAAAAAAAAATTATTGCCCAGTCCAATGTCCTGAAGCA	13216
AGTCCTGACAGCTTCAAGAGGTAGTCCTAGACCGTGATGGCCACGGGCCAACAGCAGACCCCATGACGGCTGTT	13217
ATTCCTCTCTTCCATGAGCCCATTGGGGTAGCTTTAAATGTAGAAGTTGCAACTGTAGGTCAAGAAAGTA	13218
ATGCCTTTGGAGTGTGAAGACCTGGCTACAAGTCCTGGCCTTCACTAGCTGCCTGATCGTGCACCAGTCCCA	13219
CCAGCCCCGCCCCTCCGCGCCCCCTTCCTCCTCCTGGCCCGCCGGGCCGAGTGGTGCTGCTGCGGGTGCGGCTG	13220
CGGCCCGCCCTCGGTGGTCATCTGGGACCCGGGAGCGAGGCCGGGCCGCGAGGGCGGGCCCCGGGCGGGA	13221
ATAGGAGTGTCGGTTACAAGAGTGTGTGCGTTTGTCAGAACAGATCAAACTGCAGTTCAACATTTGTGCATTTC	13222
CAGTTTAGAAAAAAGAATCACATTGGGTCTGATTTTCCATTTCAAGTGATCTGTATGGAAGGGCTGAATGAAC	13223
AGCGATGGATGATGGACCCCAGAGAAAGCCAGTGTGACAGGCAGGCGAGTCTGGGGGCTTCCTGACAGTTAA	13224
CGAGTAGCGGCGCGTAGGGAGAGCACGCGTGCCCAGGCTGCCTCGGCCGGCGCGCCCCCGCCCCCGCACT	13225
CCTCCTCACGGTAACAACTCACAAGTCATTGGGATTTCAAGTAATCCATAGGCTTTTTGTGTCTCTCAGCCC	13226
GGGAAGTACTCCCTGGTGATGGAGTACATGGAGAAGGGCAACCTGATGCACGTGCTGAAAGCCGAGGTAGAG	13227
CCATCAGCCTTCCCACAGCTTATCAGACAGATGACTGAGTGAAGCACAGGAGGGACATGATGGCAAGCCAGG	13228
CGCTGCCTTCTCCTTCCGTCCGGAGCGCCGGGGCGCGCGACCCGCTCCGTTTCACGCTCTAGGCAAACGGTAGT	13229
TAGAGTGGATCTACCGTCATCTCTATGCTAGCACTACTTTACTTACATTCTTGAGGGCTGATCTCTCTGT	13230
TAAAGGCATGGCCACTTGGGCGCAATGTGCATGGTCAATTCTGACAGCCGCTTTCGCCCTTTCTGGCTGATT	13231
CCTCTTCTCTGGTTGAACTCTGAGGCGGAGGTCAGGAGGTCCTGCCCATCACACAGGCTCACACGAGGCCT	13232
TAGATTCCTGTTTACGGCCAAGTTTCTAGTATGGTGGTAATAAGCAAGCTTTAACTACCATACAAACAGAAGA	13233
CAAAAGACATCTGTGTAGTAGTAATCCAGGAATCAGATTACTCTACTGGCTCGTTTTTTCAAGGATGGTAGA	13234
GTAGAGGACGCACTGAGCATCAAGCACGCAAATCTCTCGCGTCCCTGTTTTTTTTTTTTTGTCAAAATTCT	13235
AGGCAAATAGGCAACTTGCCTGAGATCATGAGGTAAAATATCATCTGAGCTGAGAACTTCCGCTTCTTGCCT	13236

Table 1. Novel miRNA sequences

CCTTCTTCACATTGCCGGGGACCCTTTTGGGAGGCATCATCAAACTCTCCATCTACTGACAAGCTGAGGTG	13237
CTTATGCTGTGTGCCGAAGAGAGGGCTTTTTGCAGTACTGATAACGCCAAGGTGGCAGTGAGCTCACTTGCAT	13238
GGTTAAGACAACAAGAGAGCAGAACGAGGTTTTATTTGGTGCTAATGACCTGCATTCTCTCTCTTAGGTCCGT	13239
ACAGTGGCAGCATTAGACTCATAGCAATGGAAAAGCAAATGTCAGCTCCTCAGATGGCTCTGCAGTGAGCTGTT	13240
GCTGAGTGGATGATGCCTCTGACAGTGAAACGCTGGATTAGTCAGGGTTTACGAACAAGGTGTGTTCTCTA	13241
CCACTCCTGCCCCACCCCCTTGCCTCTCGGGCTTTATGCCCACAAGAGTCCAAGCCACTCTATCAGATCC	13242
TTCTGTAGAGACAAGGTCTTGCTTAGGCTGATCTCGAACTCCTGGGCTCAAGTAGTCATCCCACCTTGTTCTC	13243
CCGGGCATCTGCTCAGCTTCTGGGGAAACTTCAGGAAGCTTACAGTGATGGTGGAAGGTGAAGGGGGAGCA	13244
AGCAAAGTGGAGGGGTTTGTCTTTTGGAAAAACAAAGTCGTTTTCTCCTCTGAAAAAGCCTCCTACATAGTTGGT	13245
TTTCAACCTACACCTTCTCGTTGGAGCTGCCAACTTATTTTAGAGGCCCAGGTGGTGAAATGCTTCATCTG	13246
AAGGTTGTATTGTGAGACATTCTCTTCAGAATAAAATTTAGCCTCTGAATCTGGGGGAGGTGAGCACTATGT	13247
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GTTTCAGAATTAAAAAGGGCAGTTTTAGAATTTCTAATGGAAATATGCTGACTTTTCTTTATTTTTGAAATTG	13249
AATGTTAGCAGCTGTAGTATTGAATGTGAAATTTTCTGCCAAATCAAACATGGATTTGCTGGGCTGTAAAATT	13250
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GATACTAAAAATGTTTTTTAAACTTTAAGAGAGGAGAAGTTTAAAAATCCAGTCCCTTTGAAAGCGTTTAAAGTA	13253
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GAAGTTTGAGCCCACCCAGGGACGCCAAAAACACAACAAAACACCACCTGGGGCGTGTTTCTAACATTCTT	13256
CTAATCAGGATTGCAAATCAGCATTTAGGATCATGAGCCCTATCTGAGGGAACCCTGATTGCAGCAGCCT	13257
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CAGTGGGAAAGAGCCTAGTTAGAAAGCAGGATGAATAAACTTGCTCAGCTAGCAAATTCCTCGCATTCTCTA	13259
GTTTCCATGAGAAAAGAGCCAACTTCAATGTAGTGTGGCAAGTACTGTGATAACAGATTTCCACCGGGAGCTGG	13260
CAGGTGTGAACTGGGGAAACATCCAGGGACTTGGAAGAGAAGAGTGAAGCCTGTGGCAGAAGGCGCCTGGC	13261
AAGAAGTCACGGTCTTTCATGACATTGCTGAGCACTGAATCAGCCCTGAATTGCCAACTTCCAATGATGTT	13262
GTCAGGTGGTGCGTGCGCCCGCCGCGCGGGAGGTAAGGGGCCCGGGAGGAGGCGTGGGCGCGCCACGGGCCC	13263
CATGTGACACTTTATCTATCCCTGCAGTGGGTCAAAACCTCACCCAGGGCATATCGAGTCAGAATCTTTGGA	13264
GATAGGAGATGGGTTGGTTTAAAGACAGGGAAACAAGGCCAGCACTTCACTTCAAGACCAGTCATCCTAG	13265
AGTCTGACACTGTTTTGCATCTCCCACAGCTGTGAACACAGCACTCTGCAAATACTTTGGTTCAGTGTAGAC	13266
GGAATGGATTCTCTATCAAAGCCTCCAGAAGGAACCAACCTTCCTGTCACCTTGATTTTGGACTTCCTGGCC	13267

Table 1. Novel miRNA sequences

GTTTAATCACATTGTTGAAATAATAACAAAGGAGGAGCAACTCTTCTCACATTGGGTATTATTTGGCTGGGCAA	13268
TCTTGTTCCCTAGTGAAGCAGGGGGTGGTGGATCAAAAGTCTGCCCTTGACTTTCTCCTTGCCTTAGACCCTAGG	13269
CCGGGGGAAGGGAGGGAAAGAAAGGGAGGTCGAATTCTACCACCTTCCCAGGTTTCGGCACCAAGATGTAA	13270
GGCATCAGCTTATCAGACACATGAGGTTTCAATGAGCACCGCATGGACTGGAAGTCCGAGGAGGCCCAGAAGA	13271
TGGCTCATTTGGGGTTGCATCTAGCTTTGAGAACAGAAAGATTTGAGGGCCCAAATAATGTTACATGGAT	13272
AACTATAGTGCATTTCAGAATATGTAGGGATTATGTGTTCACAGCTAACATAATATTTATTGTTTCTGAGAA	13273
TGGATGGTAATGGAATGACATGGCAGCAGGGAGATTTATTAGGAGGCTGTGGTAGTGATCCAGTCCAAAACA	13274
AAGCCTCACATTAATGAAACCCTTTCTAAGCTGGCTCTGAGTAAAGACTGATAGCAATTTTATGGAGGTTTTA	13275
GAAAGAAAGTTTCAGTAAGGGGCAGTGTCACAATTCAAGCTTATCACTGACTCCAAAGCTCACTCTCTTTTTA	13276
CATAGCCCCGGTGCTCTTGTTAAGCCTTATCCAGGCCAGAAGGCAACAGCAGGTCAGTGGTTATTCATGG	13277
TTCTTAGGTTATGGATTCCAGAGCTATGGAAAGGAGGGTTTTGTACCTTGTAAGCAGTAGGTCGTGAATATGCT	13278
GTTTCTGGTTCATTCAAATTTCTGTTTTGGGCTCCCAGAAAAATACCATCGAGAAAGGACAGATGTGCCAG	13279
TCTTATCTTTAGTTTCCACAACTGTCTTTAGCAAGCAAACTTGTATTGGCATCTGGATCATGGAGCTTTTC	13280
ACACATAATCCTGTCCTTGTTTTTCAGGGTTCCCCCCCCCCACTGCTATTAGGGCTGGAGTTGCCCATCT	13281
AGGGTCTTTGCAGAAGCAAGGAGAGAGGCATGGAACAGATTCTTTCTCCGAGTCTTCAGCAGGAACCAACCCT	13282
CAACAATTAAAGTATTGTGTGGGCCTTTATGCATGAGGGGACAGTAGAGCACAGCTATTTTGATCAGATT	13283
ATTTCTATTGTGAAAATCCTAGCTCATTCCTTGCTAGAGATGAAGCACTGAGGACAGTACAATCACCACC	13284
TTTAAAAGCTGATTTTATGCAATGAGTTCTGCTTCTGGCTAACTAGCTAGTATCAGACCAATGTTCTTGCCAA	13285
ATTTGTTACCGCAGCAATTGGAAACTAATTGGGAACTTATCAGACTGATTTTATCCCATAGAATCCATGT	13286
TTCCTGTCAGTTATGTGGGAGTACATTTGCACCTAAAGAATTGCACAATGAGAACTAAAGACATGGCTGAC	13287
ACCCCAGAGCAGCTTGTTGACTTTGTTTCCACTGGCTTCTCCTCGTGTTTTGGTTGACTTGGTCAACATCGTT	13288
CTGCACTTTCCAATTACACAGCTTATAGGCAAACCCTCCAGCTGGTGGGAGAGTAGAGAACTTGCATTCT	13289
CCAGCCACTTTGGGCTTGTTCATTTTCAGAGCGAAAGGTCTACTTCCAAAAATGGCATCAGGTGTGACAAATGG	13290
CTTTTTTTTTTTTATGAGATGAAGTGTCAGTCTGTTGCCCAGGCTGGAGTGCAGTGGCACAATCTCAGC	13291
GGTGGTTTGGTATTTGATCTTTCTGTAGTTGTGTCAAGCTACAAAGAAATGGTAGTCTGACTCAGTTGGCTG	13292
AAAATGGCTACATCTGAGATGACCCATTTATAGCCAGGAGACCTGTCGCTGAGTTACTCATTTCACCAAAT	13293
TGTGATTTGTGAAGCTGTAAACCCATCAAATAAAACATAGTTATGGGTTTACAACAAATAACTCACAGTGAAT	13294
GTAAACACAACCCCTACTTTCCTCAACAGGTGGACTGTCATGGGTGATGTATGGGGAGAGCATGATGGTGTC	13295
GCGCAGCCTCCTGGAGTTGGGCTGAAGTAGCTGTCAAGCAGCTGTCTCCACCCGCCCTCCCCTCCCAGCAC	13296
TTGCTTAAGGTTCCTGCAAAGACAGGTGGGATGTAACCCAGAGCCCACACGAAGGGACGGGCATTTATCTCCAG	13297
AGCTGGGAAAAGAGAGTGGAGGGGCCAAGGGAAATTTCCCCTTTGGCTTCTGGGGAAACTTTGCTGAAAAATCA	13298

Table 1. Novel miRNA sequences

GCTTGGCTTTTTTCTAGACTGTGGTGTCTACTCAGCACAGTAGTCTGCACACCCACTGTACTCACCACAGTCT	13299
CACTGCAACCTAGGAGGCAGAGGTTGCAGTGAGCAGATATGTTGCCACCGCACTCCAGCCACTCCACAGA	13300
GTGTGGGTGGAGAAAAACAGCAGCGAGAGAAAGTACTGTGGGAGGTTCCCCAGTCCTTGCTGATTATGTTTCT	13301
ACCCATGGGCTCACGCCTCATGATAGTATGTGACCCTGGGCAAATCATTTAATCTCTTTGAGGCTGTTTCCTA	13302
CTGGGAGCAAGGAAATAATCAGACTCATTAGGGACTATAGTTCTGAGCTGACATTGATTCCAGGAGACCCCAG	13303
ACTCCCAGAGAGAAGTACTGCAGAAGGAACTGGTTTCCGGACTGCAGAGGGATCTGCATTTTTGTTTTTG	13304
TGTCTCGTAAACAGGAGATCCTGGGTTCGAATCCCAGCGGGGCCTTAGGGTGTGCGTGTTTTTTTTTCTT	13305
ATGCTTCGCATGTATGAGGCCCCGGGTTCGATCCCCGGCATCTCCAAGGCGATCACGTAGATTTTGTTTAA	13306
AACATGAGGTGTGCTGCATAATGCTTGCATAAGAATATCTTTGCTGAATAAACTGCATGAGTTTACGTCAT	13307
GGAAGCTAAAGGCGAGCATCACGTCCATCATTTTCCCTGCGCGTGGAGTTGTGAGGGGTAGGTTTTCCTTCCC	13308
CTGGACCCCATGAGATGATATGCGCTGGTACTCCAGGCTTTAAATGGCCTGGGAAGCCTCAGTGGATTTTGTTT	13309
CCCCCAGGTTATGGAAGGTGAGGTCCATTTTGTTATGCCCATTACTCCCAGAGTGACCTAATTTTCAGAA	13310
AAGTATGAGGTAGTAGATGGTACAGATTGTTTTAGAATGGGACCATAAGGTAGCAATCCCGCCTAGTTATCCT	13311
GATCTCAGGACCGGAGCCCCGCCGGGGTCCCGGGATGGTGGAGGGGGCCGGGGTCGGGGCCTGCAGGATGGT	13312
CGGCCCGAGCCGGGGCCATGGCGAAGCTGCTGAGCTGCGTCCTAGGCCCCCGGCTCTACAAAATCTACCGGGAG	13313
AGGCTTTGGCAGTTGCAGCCTCTAAAGGAAAAATTCCTCAGGTTCAGACTAAACACAAATTGCACTGACCTT	13314
AATCCGACCACACAGATACCTGGTGACCCTGTATGGTTTCAGTGATGGGAAGCATGTAGGTCCTGTCCATGTCG	13315
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GCAGGAAGCTTCAGGCTTGGCCTGGTGGAGTTAGGGCTGCTCCACAACTGCGCGCAGGGCATCCAGCAATT	13317
CAACCCTCATTATCCCTTTCAGAGTCTCGCAGGTTGAGGTGATGTGAGAGAGGAAGCAGAAGCGAAGGTTAC	13318
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GTTTGGAGGGCTAAGAGGAAGATAGGAAGTTTGAGGGGAAGTTTTGGAACTTCTTAGAGACTGGTCAAATGGT	13320
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TGTGCTCCTGTGCATGGCTGTGTGTGGGGAGTGCCACTTGCCCCTGTGTTGGTGCCTCTGCCCCCAGGAGCG	13325
TGGAGCCGCACATCTGGTCTCGGAGCTCGCCTGCGCCGCTGTGCCCCCCTCCTCCCCGCGCCCCAGTCACT	13326
TTTGTCTCAGGTAATAGGAGGTTAACAAGGCAAGGTAAGCCAACTCTGACCTAAAGGCAAGTGCATTTCCTTT	13327
GAGAGCATGCGTAGCTTTCCATATATGTGGGGAAAATCCTCTAGATGTAGCAGAAAGCCAGAAGTAGGCTGA	13328
TGCTCACACCTCTTATGTCACTGCTGCTGTTTTAATTCTGTAGATGGGTAGCTGGGACACACACAGGGGA	13329

Table 1. Novel miRNA sequences

CAGGGTCTTGGTCTATATTGCCCAGGCTGGTTTCAAATTCTTGGGCTCAAGTGATCCTCCTGCCTCAGCC	13330
GAAAATGCCTTGGCTTTTAATGCTTAAGTGCTTCTCCCAGGCCTTAGAATAGCACAGGATACCCAGCAGACTCT	13331
CATTAAGGGATGGGAGTGGAAGGGAAATGTAAATGAAGAGCAGCCCCTTCCTTCTGGAAGCTACTACTCTTGA	13332
CACTGCACCCAGCTGGCCCCAGCCCACTTTTTAAGCTATGATGTAAGTACAAACAGTGGGCTGGCTTTGGAAGT	13333
CCGAGGTAGGGCCGCAGACGCAAGGCTCTCTGCTAATGCAATGTGACGGGCCTGCAGCCCCTAGTAAGTTT	13334
AAATGGGACACGCTGGGGGCCATAGCTCAGCTGTGAGGATGCAGCATCCTCTGTGATCATTCCCTTGGTCCCCC	13335
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CAACTCGCCTGGCTCCCTTCTCTCCGTCTGCCTCCTGGCCGCGGGGCCCGGAGAGCTGGGAGCCAGAGGGTG	13341
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GTGCCACTGAATACAGCTGTGCAGGTCGCACACTGGACAACTTCAGGGCAACATCCATGTAGACTAGGTCAC	13348
TCCTGCCTCATAATCCCCGCAGCTCTTCTGGGACTTGTCAGACCTCAGGCCCAGATTTTGGGGGTTGGGAA	13349
CGCAGCTACTGCCATCCAATCGAGACCCTGGTGGACATCTTCCAGGAGTACCCTGATGAGATCGAGTACA	13350
GGGCCTGGCTCCCACTGCTTCGTTAATATTTACCATAACTGGAAAACAGCAGGCACACACAGGCATGGGCTCC	13351
GCTGCTGGGCTGGAACCACTCTTTCAGATCCAAAGCTTTGATCTCTCCTCCCGGGGCTCAGCCTGTGTCTT	13352
CTCCTCTGCCAGTGGGACCCCTGCCCAGGACCCTCCGGAAGCTCTTTCTCTGCCTTCACCCCACTGGTGAGAGA	13353
CCCATTCCTAGAGCTTCTCATTCCACTGGTATGGGGTGAGACCCAGGCATTGGTAATTATTTCAAACTCCCCA	13354
AGAAATGTGACCAGCTAAAGTGACCTGAGATGCGAGCCAGTGGCTGAGCCCAAGCTAAAGCTTTGGCCTCA	13355
GACGCCTGGGCGTCCTTGCTCAGTTCAGCAGTGACCAAGGACACATTCTGGGACATGTCCAGGCGGTTTG	13356
CAAGCAGAACCCTGAGAGGTGTCCCATCTTATTGCTGTTGAGGACCCTGAAACACCGTTGTTTAAAGACTTCA	13357
TCAGTCCCTTGTCCTTTTGCCCTTTGATGACCTGAAGATCTCAGGGAAACTGCTGCTGTGTACCGACTGAAGCC	13358
AGGAACATGTGTCAGTTGGCTTTTGCTGTATAACCACCCTAATGCTCTGTGGCTTAACCAACAACCATGT	13359
CTCAGGGCATGCTCCCCACTCCCGTGTGTCCTTGTAAAGAATGCAGGAGGGCGTGAGCTGGGGTTTCCTTC	13360

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Table 1. Novel miRNA sequences

TGATTTGGGGTGGAGAATTCTGTAGCTGTCTTTAGGTCCACTTGGTGCAGAGCTGAGTTCAATTCCTGGATAT	13361
ACACTAAATGGAGCATCAAAGCGGATCAGCCTTCTAAAGAGTACACTGTAGGGGTGAGGAGCCAAGATGGCCG	13362
TCTAAAGCAGTGTTACTCAGCAAGTTTGTGACTATTATTGGTCTTCTGTGAGAAAGCAGCTTGAGCCAAAA	13363
AAAGGAGGTCGCATAAATTATCTTCTAAAGAGTAGAAATGCATGCGACATTATTACTTTTATGTATATATGTCTTA	13364
ATTCACAAGAAGGTGGACTAGAGGCTGGCGGTGAGCCATTGCCACGCAGCAGTTGAGTGCAAACTTTCTA	13365
GTTACATCCTCTCTCTTGAGTCCTGTATCATTAGGAGGCAACTCTGGTGGAGTGAGAGTCATAGACTCAGG	13366
AGATCTATTTCAGGCATGACCTATCTTATGACAGTTCTAAGATGCTTGGTATTGTCTGTCTGTGGAGTGGC	13367
GGAACAGCTCGAGGCTCACCCCATAAGTGTTCATCTTCTGCCTCTACCTTCATCCCTGGTGAGCTTGGCA	13368
ACTCCTATAATTTCACTGGTATGGGGACACATGCCCCAAATTATCTGTCCCTTCATACTTCAGTTTTTATAGTA	13369
CCCTCATGATAGCATGACTTTTAACACAGGAACCAAAGGGCTCTCCTGTGTGGTTTTTTTGTTGTTGTTT	13370
CCATAACCAATGGTCAATTAGCTGTTCTCATCTCCCTTGACCCTGTAGCACCATTTGACATAGTTGGCCACT	13371
AATCTCCCATATTAGTGCTACCCTTTGCATGAAACTGAGGCATAATTGGCCTGTTTCAGGCTACCCAGTGTTA	13372
AACCTCGACTCTTCTATTTCCTAGTTCTCAAATATACATATTTGAGATGGAGTTTCGCTCTTGTTGCCCAGG	13373
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CCGATACCATTGGCATTCTAAATGCTGGGATCATCATCAAACAGGGTCTCTTCATCAAACAGTGACCATGGG	13375
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AATGAAGACATGCCGAACTAATAGCAAATTGTTTGCTTTTAACAATGTGTGTGTTGTGTCTGATATAT	13378
TGTTGATGTGTAAGGCAGACCCAAACACAGCTTGTCCATCTGTAGCTCTTGTTTCTGTACTGACATCAGGA	13379
TATCCTGTAGTGGGTCTGCATAGGTGAGATTTTGTGAACAGTTGGCCTTAGTGCATTAGATCTGTGCAGCTT	13380
CAATATTTGCTGTTGAGACTAAACATGGTATGTTTGGGAGACCCTGGGGGGACGAGTTTGATTGGATAGGAAA	13381
TGTGTTTTCATGTAAACCTGTCTTTCTGCATTGGCAAGCTTCTGCATATGGTTGGGTTTCATTTTCTTCAT	13382
GGGGGTGATGAGTCACGAGGCCCTGGGCTGGGAAGGGCCTTCTGGAGAGTGGTGGGCAGAGTGGACGAGAAACT	13383
AATCTGGATGTACCCCATATAGTTTCATGTCCAGACCTAGAACTGTGAATGCCAGCAGGCTGGACTGCCTCCTA	13384
TGTGATGTGGAATGGCCCCTATCTGGTGCATGGTTTGGAGAATATAAGATTTCTGAGTTTGGCAGGGTACAC	13385
TTTCAGAGACATATATTGCAATTCACTGGGCGTTTGAGTGAGCTTGGAAGATTGCCATGTTGACTATCTCCTG	13386
AAGCTGAGGTGGGCAGATCACGAGGTCAGGAGATCAAGAACATCCTGATCTTGAAACCCCATCTCTACTA	13387
AGTAGTCCTACACATTGATTTCATCCACCACAAAATCCCAGGTTGATTACAATGTTAAATTAGGATGGGG	13388
TTTTTTTCAGTTTTACAGATAATGCTTTGTGCATATATCCATGGGCATGTGTATAAGTCATTCTGTAGAAT	13389
CAGAGGATTCTGAAGAGAGAGACCAAAGGGAGGGGCTTTCCAATGCCTATCTGAGGGGGGACCCTTTACAA	13390
GCACTGTGCCTTCTATGCCTAATGGCTAAGTCACCTGGCTCAGGGACTCAGGAGTGCCTGTCATGGAGGGCCT	13391

Table 1. Novel miRNA sequences

GGAAAGGTTAAAGGCCAGACTAAGAAGTGAAGACATTTCTTAGGAATAGCTTATCAATGACTAACCAATAGAG	13392
ATTTGGCTGCCTGGAGTTTGTCACCTGTCTCCAACACAGCAGGCACATCACTGGATCTCTATATGCTCTTGGCA	13393
AGGGCATGAGGTTATTTCATTCTCTGTAGCCCACCGAGAGTGCGTACAGTGACACATGTTATGTAAGTCCCCT	13394
CTTTAAAAATAAGCTGGTAGAGAAGAACCAGACATAATGACGGTAACTGCTAAGCCAGTTTTACCAACTGAAG	13395
AAACACACTGGATAAGGCCAGCAGGGGTTTGAAGAGGGTGGATAACCCAGGACTCTGGAGAGGGGAGTGTTGAG	13396
GAGCTGGCATAGAATGCAAATTTAAAGGAGGACATTTAAATGTTCATATGCCAAGACTGGCTAATTTGGTA	13397
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AGATTGAGATTCCATGAACATGTGACAGACTGGGAAATCATACTTTCACATCCTTCTGGCCACCGTGGTTAGTC	13399
TAGACTCTCCTAAGGAGTGCACCCTCGCATGCACAGTTCACAATAGGGTTCAGGCACCTATGAGATTCTAACG	13400
AAAAATGATATTACTCCCAATTGCGCAGAAGGTGTACAATTTTCGTGTAATATTGTTTTTAATATCCCAGG	13401
AGCTCCCAGTGCGGGCCATATCATTTGAGGTTGAGGTGCCACAATACTGCCATGGTTCCAGATAATAGGAAGTT	13402
GTTGAAGACAGTTTATAGGAATATGAGTGTCATACAATTTACAGACACATCATATATGAACTTATGTGGCAAA	13403
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AGTTTGAGAAATTACTGAGAATACACCTTGCACCGACAGTGCTGATAGCTTAGCATCAGTCATGGTATTCCCA	13409
TAAATGTATGACGTAAATATAAATTTCCAAGTAGACTGTTGAGAATTTGTTTACGAAGTTATATTTAAACTA	13410
TCATTGCCTCAGCCTCCTTTAGTGTTTCAAACTCTTGCGGCTGTACACAAAAGGACTGATAACAGAATCA	13411
GAGTCTGTCAGTTTGAGGGGCAAAAGTTGTACGTGAGAGAAGGTATCACTTGTACTTTTTAGGCTAAGGCAG	13412
AGTGCTCCTAGGGATAGTTAGAAGCTCTACTTCAGATCCCACTTCTGACACCATCCGTGAAAAGAAAAACTTC	13413
TGTCGCAGCAGTGAGTCAGGGTAGCCCTCTTCTCGGGGCTTTGAATAGCTCGTGCATGTACCAGTGACAAGT	13414
CAATTTCTGGCAAGGGCCATCTTTCTGCCTTGAAGATAGTAATTTTCTTGCTGTGTCCTTACATGTTGGA	13415
ATTGGTCCATGGTTGATCATGGGCAGTCCTGAAAAAAGCACCAGTTGATTAGCCAAAAGGCATCATGGAAG	13416
GGCCCCGTGGTGGAGGGATCCGCTGAGTCAGACCACTTGGCTCCCTGGCTTCAGCCCCCTTTCCAGGGGAGT	13417
CAGGGTTACATAAGTAAGTTTATTACATAGACAAATTGTGAAATTGAGTGTTTTATGAGCTTTATGTGATTAAT	13418
TTGATGTTTCTTAGAAATTCTTAAAGTCATGACACAGTGGCATAAGAATAACAGCTGAAAGGGACAATTT	13419
ATCTCACATTTTTTATGGGTCAGGGACTTGAAGTGTTGCTTAATTGTATGGATCTGGCTCAGGATCTCTAATG	13420
CTTTGAGGCCTTGATTCCTACATGTTCATTATGCATAATGAGCTTGTCACCTATCTCAGCAATAAAGGTTCT	13421
ATGCCCTTCTCTCCACTAAGAGGAAAGACCAGACTCACTGGTTCACTGGTATGTTTTCCTTATAGTAGACTG	13422

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Table 1. Novel miRNA sequences

TCAGAACTGAAACTAAGCAGTTGAAAGAGATTTCTTTAGTCTTTTTCACATGACTGTATTTCTCTTTTGTGA	13423
TGCTCCTTCGAGTCCACCATGGCACTCATGCCCACGCAATGTTTCCTCCAGGGTTCTCCAGGTAGAGATGGAGC	13424
AGGTAGCCTGGGTTTAAATTCAGGCCCAATCAGTTATGAGACCTTGGGCAAATTACCCAATCCCTCTAAG	13425
TAATAGGAGATGAAGTAAGTGCTAGAAGTTGGCAATCGATGAAAAGTACTGAGCTCATCATTTGTGTCTAA	13426
GTATGTGCCACGATATGTTTAACCTTTTGCCTATTGGTTAAACTTTTCAATAGACAAAAGGTTAAACAAATTGT	13427
AGGCGCATGGCTCATGCCTATAATCCCAACATTTTGGAAAGCCGAAGCAGGATTGCGTGAGGCTAGGAGTT	13428
CATCTTCAGTGATTCCCCCTTTGATGAATCTTCTGATGGGGGGAAAAAGTGTTGTTTTGCTTGCTCGGTGT	13429
CCTGGTGTATATGAGGTGGAATTTTTCCTTAAATTTTCTTAGAGTCTCTCCCTTCACTTGCTCCATCCCA	13430
TTAAAAGCAGGTAACATGTCTCACTCATTTTGTATACTCAGCACTGAACATGGCACCTGGTGCTTAATAGG	13431
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TATTTAGTAGTGATTTCGATTTACATCATTATGGTTTATATTAAGATAGCTTAGATGATAATTCACTAGTAGAT	13433
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AAGCAAAAATGCCATGGTAGGTAACAGAAGGTAAATGCCTCTTAATGCACTAATTCACTTGGCAGTATTA	13435
GCGACTTATTGGGAACAGGAGTAAAGGTCACGCTTGCTATGCAAAACACTGGTGGCATTTTGCCCCTGCCCTAG	13436
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CTTAAGAGGAGTAGACTGACCTATCTTAAGACCAGTGAAGTAGGCAGAAAGGTAGCTTTTGTAGTCAGTCCT	13438
ATTTTCTTATTAGTAATACCTGCTGTATGTCTAATTATAATCACTTCGCAACAGCAGTACTTACTCCCTTTG	13439
AGGCTGAGCGGTCGGGCGGCGGGGGGGACCGCGGGCGGAATCGCCCGGTGCCAGCGGCCCCGGCA	13440
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TCCCGCGGGCGGACCGGCTGAGCGCAAGGACGCGCAGTGACGAGCGCCGCGCCTCCCGCAGGACCCGCGCCC	13442
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GCCTTGTACAATTTTAAGTCAGGTAACTTGATTTCCAGCCGTGTTCTTTTTGATTAGGATTGACTTGGCTAT	13445
TGTTGTATTTATTTAATAAAATTCATTTGCAGGCTATTTAGCAAGTTATATGGTTGAGTAATAACATACAATA	13446
AATGAGAAGGGTAGATGAGTCATTTCTGTTATAAAATCGATCTTGACAGGCAGTGTCAGAAACTCAGGGCCAA	13447
GAGCTGATACCATGTGACTCACAGCCCCAACTCAAAATCACACATCATTAGGCTATTGGTGTGGACCAGGCTCTC	13448
GGCTGCAGGTGAGTCAGTCCAGGTTTCCCAGGAAGCCTCAGCATTTCACTTGCCCCTCTCTGTAGTGCCACAC	13449
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AGGAGGGAAACTGATAGGAACATGCAGCTCATGATATCTCTTGTGCCAGGAATTATCAAAGTCCTTTGTCTCT	13452
AGAGATTGTGACTTCATTGGGGCAGCTACACTCAACTTTGTGGTCATTCATCTTTGGTTTCTTTTTGATAGT	13453

Table 1. Novel miRNA sequences

ATCTTTGTATTAGTCCGTTTTCAAGCTGTTGATAAAGACATACCTGAGACTGGGCAACTTATGAAAGAAAGA	13454
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GCTGTCTATGAGGTGAGGAGATCTTAGTGGCAAGAACTGGAAGGATACCACAGGGTAGACAGCGCCTAGGAG	13458
ATTTCTTGCCAAGTGCACAAGTATTACAGCTGCCACCCCACAGGTAGTTGGATGTCACTAAAAGGGCACATCA	13459
AGATGGAAATTGGCCATGTTATAAACTAGGGTTGCTGTCCTAGAGGATAATGACACACCACTGAGCCAGAAGCC	13460
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CGAGGTCTCCCTGGCATCTCCACCAATACCAGAGCGCTATCAGGGTATGGAGGCGGGACTGAGTGCCTACGGC	13469
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TGAGAGGGAATGGGTAAGAAGCAATTAGATAATTTTTATGTCTACATGTTGTTTTCCTTCCTTTTCAAGTGGG	13477
TTACATATTATGTGTGGCTACTTTGGCCCTGCAACAGCAGAGTAGAGCAGTTGGAAGAGAAGCCATACAAAG	13478
TGTAGCAGGTATGTCATCACATTGGGTCCCGGACTTGACTGGGTCCCGGACTTGATTGGGTCCCAATATTTG	13479
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AGGCTGAGGCGAGAGACTTTCTTGACCTGGGAGACAGAGGCTATAGTAAGCTAAGATCATGCCACTGCACT	13481
AGTGACCTTTTGAGATTGGCTGTTTTCAGTCAGCATAGTAATTCCTGAGGTTCATCCAAGTTGTTGAGTGTA	13482
TTCATGTCTGCTTTGCCAGCTGCCTTCCTCTTAGCCTTGGCTAGTAGAAAGCACTAGAGGGAGCTGTAAGG	13483
CAAAATCAAGGTGTTGGCAGGACTGTGATCCCTCCTGAGACTCTAAAGGAGAATCAACTTCTTGCATTTGCG	13484

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Table 1. Novel miRNA sequences

TGGGGTCCAGGCACTGCAGGCACATGTCTTAGATCATGCAATGTCTGCATAAGGAGGGCCATGACAAGGT	13485
GTAACAATTGTATACCTGGACTTGGAGTCTCTTCCAGAGAAGATATGACACCAATAACTTGGCAAGACACT	13486
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CTGTCCAGAAACCTCTGTGGCCTGTGGTGCCTTGGCCCAAGTTCTTCTCCTGCATCCAGGACGAATGAGGTA	13490
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AGGGAGAATGCTAAGTGTGAGTCCACCCCAAATAGTCTAGTGCACTCAAATAACATATGATATACTCTCTCA	13497
CGCCCTTCACAGTGGGATTCAAAGCCTGGATCTTTACTCTTGGAACCTTTTTCTTGCTGTGAGCATGAACA	13498
CAGGGTACACAGAGCAGTGGATTGTTCTGGGACAGCGGCGATTTACCACATCTCAGGGCCCTGTACTCACA	13499
GCTTAGTTTCATAATAGTAATACCTTATATGTCGTTATCGATGTATCATGGTTTACATAGTTAAACTTTATT	13500
GATCCAGTTAAAGAAGTTACTTGCTGTCACTGTCTTTCACAGTGGCTAAGAGCCAGAATCTTGAGTTTAAC	13501
TTTTTGTGAACTGGTTTTATTTTCAGTCTGTTTAGTTTCTTAATGTACTGGATTGAATTGATGCCATCAAT	13502
GCAATCAAAGCCTTGGTAAGGAGGAACCGTGAGCGCCCCTTAAGCTCAAATCCGGTCTTTCTGGTTGTTTGC	13503
AAGAGGGTTGAGTATCTCCCGCCTACCACCAAAGGGGCTAGTGTAGATATTAACCCACACCGTCTACATA	13504
AAAGATGCTAATGTTATTGTCCAGAAACTTTGAGAACCTCTGTCATAGCTGGTAAGTATTAGCACCATTAT	13505
CTACTCTTTTGAGTTGTGGGTTCAGTGTATTTGGAAAGCTTATACTCTGAGCTTCAGATCTCATGTAGAGAAG	13506
AGGCCTGGCATTTATCTGACCTATGAATTAGAAACGTTTGAGAGGGTGGGGCCAAGTAATCTGTATTTTA	13507
CACAAATAAAATAACTACACTACTTGACTGAGGAATGCAAGACCAAGGTCAAGAAGTGACAGGGGATGGGGGTG	13508
AGTCAGTTGGCTTGGGTTCACAGTCCAGTTCAGCCTTTCTGCTGAGTGGCCTTAGGCAAATCACTTCATTTTTT	13509
CCACCCGGCTCAGCCCCCTCCTCCCCGCGCCCCGCCACTCGCCGGGCTGCGGCGGCGGAGTGGTGGCGACAGC	13510
AATGACAGGTTCGTGGATGACAAGCCACTTATTAGTGGATATCAGGCTTCCAATTAGTGGATGAAACTGCT	13511
ACCAATGCATTCCCCTAGTGGACTATTTCCCAGCTGTGGTATCCCAGAAATGGTGAGGTGTCCTAGAGATC	13512
GGCCACCTCCTTGGTAAGCTTTGAAGAGATGGTTTAACATCTCTCTTTAGAACATGGGAGTAGTTATCACC	13513
TGGTAATGTACTCAACAACTCTGGGCTTCAATTCCTTCAACCCATCAAAATGGGGTTAGTCTAGATCAAGGGT	13514
GTGGATCATGAGACCAAACTGAAAGGATATCTCCTTAGAAGTGTCCTTGTATTGACAAAAAGTGAGAAGCGA	13515

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Table 1. Novel miRNA sequences

ATATTGCTATCTCAGTCAGTGCACTACAGAGTGGTGGTGTTTTATACAAAGTAGCCAAGATCAGTTTATGT	13516
AAAATTAGCTGGGACATCGTAGGCACTCAATATTTGATGAATAAAACAAGTTTGAGTTGAGTATCTGTCACTT	13517
CCAAGACAGCATAACACAGCCATCACCCAGGACAGGGGAATAGTTTCATTAGACTGAATTCTTGCTTAAAAC	13518
AAGACTACGGCTTACACTAAATGACCCACAGACTGTAACACTGTCTGGTAGTAAGCAGATCTCTTATGAAAA	13519
ACCACAACCTACCTGAACCACATGTCTGATGGAACCAATCACCACTGGCTTATCAGACTCTGCTTCTTCGTG	13520
AAGCCCTTCTGGGCATGCTTGGGCAATAGCTAAGAGGCCAAGGCGGCTGAAGCTGAGTGAAGTAGGAGGATAG	13521
TGTATGGCAGCCAGAATTAAGACACCAGTGAAGCAAGATAATCAGTAACTGGATACTTAACTGTGTGGTATAA	13522
AAAGTACATTTTTCACACCTGATTGGATTTTGTTCTAGTTGGCCTATCCACTATGTGGTATGAGTATACTT	13523
CCTCGGAGGCTGTGGGCTGAGACAGGGTCGGATTCCTCTCGCTCCCTCCCCACCCCCGCGGGCAGTGCACCTTC	13524
GTTCTGGGGTGTGAGGCTGCGGAGCGAGAGCTTCGGAAGCGCCCGCGCTCACAGACACACACCCCACAAACAC	13525
TGGCCACATTTCATGGCAAGCTCCCCAGTGGTCATGGGACAGCTGCTAGCAGCAATCAGGGCTACACACTTT	13526
TGAGTTGACTGCTGGGGAGGGGCAGGTAACGACAGAAGTGAGGTGAGCTGTTCAGAGGCTATTGTAGCAACTCA	13527
GTCCATAACATCCTGTAGCACGTAAACTGTAGTGTGAGGTGACTCACTGTGGGTGAGTGCACAAGTGACAATG	13528
GCCAATAGGACTTTTCCCAGGTATCCTGAAACAGACAGTCTTTTTCTCATGGATGTGGACCTGAGACAGTAT	13529
AAGGAGGTAAATCCATAGAATGCCTCATGTGCCTGAACATAGAAGGTGATTAAGGCCACTGGGGAAGAGTTTGG	13530
TGGGCTCCCCGGCAGTGCCACACGCAGGACCTCGGGCGCCGACACCGCCCCGCCCCTGGCCGCGCCCCGC	13531
GAACTATGGGAAGAAAGAATGAGGTACATGGGAGAACCCATGATTCAGGACTCTGTCAACCTAGGTTTAAG	13532
AGAGAAAGCTGGTCTCAGCTGTCATCGGTTCCCATATTTCTGATGCCTAGTCCACAGTGGAGGCTTGGTAAG	13533
ATACACCCAGAAATAATGTGTTGCCAGCTAGCTAGGCACCCTTAGCTCAGTCCATTTGACACATAAAATT	13534
AGCACAATACTGTACCCAATTCAGTTTTATTTAATTTGGAAATATTAATCCATTGAGTTATACAACTGGGTTG	13535
GTGGTGACCTGCCCATGTCACGTGGCTGAGCCCAGCTCAGAGCCAGGTCAGTAGGCTCAGAGGTGATGCTGA	13536
CATATACATAGTGGTCTTAAATGTCTGCCTAATGCTCTTACTCTGGCGCATTTAAGTTATACCCCAAAGAG	13537
ATAATGCAATCTCCCAGGGTGAGTCATAGCAGAGCTGTTACCACACCCTGGCTCAAAGGACAAGGGGAGAAAGT	13538
TCATGTTTACAAGGAAATATCCAGATGATATCTCAGTATCTGAATCAGCAGGACAGATTACTTGTAGGAC	13539
CGGCAGATGGTTAAGAGTTGTGTGGAGAATCAATAACCTATACCTCAACATGGCTGGCCTTCCATGCAGTGCTG	13540
AAGCCAGAGAGCAAATATTTTAGGCTGTGTGGACTACATACAATCTCTGTAGCCAATTGTTCTTTGTTTGCTT	13541
CACAGCTAGAAGGCACCATCTATGTGACAGCAAGCCCTCATCAGAGGCTACTGTTTCCATGATCTTGGACTTTC	13542
TTGGTAGTGGCTCTTAAATTCCAGCATCAATACAGCCTTTTTTTTTTTTTAATAGGGGTGTATTTGGGGGGT	13543
TAGTGATTATGAATGTGAGCTCTGGAATTGGATGGCCTAAATTCAAGTCCCCACTTCTGCTACTTACTAG	13544
CTGTCTTCACCAGCACTTAAGGACCATTTCTCTGGTGTTAGAACATGAGAGAGGGAACAGTTTTCAGGAAGTC	13545
ATATTCTGTGACCAGACCACGGGCAGATAGAATTGTTCGTGGTATTGAAATCAATGATGAATGGAATAATAT	13546

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Table 1. Novel miRNA sequences

GAGGTAGATACACAGTGGATGCTAAGGACGAAGTGAGCTACTCTGCTCGCTTACACTGGGCGGTTTCATAAA	13547
CAAATATTGAGAGAATGTAGATAGGCAAAAGGCCTGGACCAAGCCCTGACATTCTCTAATATTAAAGATAG	13548
AAGGTGGTGGCGAAGTGATTGCTTTTTTTAAAATTATTTTTTTAACACTTTTATGTCAGTAGTCAGTACTTT	13549
GAGTGGTGGTGGTGATGGAGGTGTCCTATCCTAACCCTTTGCATTTCCCTTTATTCCCACAACCCAATAC	13550
ACAAAGTGAATGGGTGGTGTTCTTGAGGGATGGTGCCACATTCAGGAGCTCATTGTTGGTATTTGTGGTTGAAT	13551
TGTGAGGTAATTTATTAGGAATTTCCCAAGTGGCGGGTACCAACATTTTGAGGTTGAATCAGTTATTACCTCCA	13552
GGAGGGGTTTTGTGGGATTGTGGGGTAAGCATTGGAGGATTCCCTAAGATCCATGAAAGCAGAGATGAATCTC	13553
CTGGGATATTGCTGGTGATCACCATGGTGCTGTACATTTATTTTTGTTTTTCTGTGGTGGGAGAATCAAGGCAG	13554
AAGCAGGAGTTTCCATGGCTAGAGGAAGCAGGACACTGATGTGAGAGAGTACCGAGGGGCCTCAGCTTCTGTG	13555
TATACTCCTGAGAGTTGGATGGGTCATAGGTCAAGATGACCTATGAATGTAAAGACATTAGAGATGTTGTCA	13556
TAATTTGCTTTTGATTTTTGGTCTGTGTTCTCTGAAAGTGACATCATAGAAAAAGATTGGGCAAGGGGACGCTG	13557
ACTCTCTTAAAAGTTTGTGGTGGCTGCTCTGATAGTAGTGGGTTATCAGAACACATTAACATTAGTGTTACTG	13558
AAGTTTCCCGAGGCCTCTCCAGAAGCAGAAGCTTCTATGATTCCTGTACGGCCTTCAGAACTGTGAGCCA	13559
CAGTCTTTGCCTTAGGGTTTAGCAACCTGCCTAGTCGAATTGCCCTGGTGTTGATCTTACAGCAAAGATG	13560
ACACAGCTGTTTCCAATAGTGCTGCTGAGAGCCAGGTAGGAATGAGGCCTGTGCTCTCACTTTGGGCCAGGTG	13561
TTTCAATTTTTGGTAGAGTTCATTAACGAAGCCATCATGCCTTAGGGTTTTCTTTGATGGAAAACTTTGTTGAT	13562
GTCATCCATCTGTGAGAATTTTAATTGAGTTTTGACTTAGCTGTGTCCATAGACAATCAATTTATTTTCTAGA	13563
GACAAAGCAGCTAACACACTTGGTATGTAATGCCCAGATTAGGGCTATTCTTTAGCTAAACTGGGAGCTGGGA	13564
AATGTTGGATTCAGAGTTATGAAGGGTATTATCATGGCTCTCTCTCTGAATCTCTCTTTTCCCATCTCCCAT	13565
TGCAGCAGCCGCCGGGGACCGCGGAGCCGGGACGCCCCCGCTCGGCCCGCGCCCCGCTCCCCGCCCCACCCC	13566
CTATGATGAAGTATTATGAGAACCTATAGGAAGAAGGTATTTCCTGAGTCCTAAAGGTTGGCTCTCAAGTA	13567
ATTATAACACATTTCTGGGACTTTATTGTTTAGGAAGCAGAGAGCTGTTGAACACTTCTGAGGAAGGGCATAT	13568
GTACTTACCCAGAAGCCAAAGACAGTGTTTTAAAAGGGATAATCACATGTGTCTAATGCTTCTGATAGTT	13569
CGCGCATGAAATTAACCATACAAACTAAGAACCTAAAATTCAGGTCTTTGTTATGCCTGGCCAGTTTTAC	13570
TCTGTTTTTATGCCAGTGCCATGCTGTTTTGGGTACTATAGCTGTGTAGCATCATTTGAAATCAGGTAATGTG	13571
TATCTCTGTTCTTTGTAGCTTATACTCTGGATGCCAGATATTAAACAAATATAAAGATAGATGTGCAGTGGTA	13572
TTTCACCCTTGCCTCTCGGCGCCCCTGCCTTCCGCAGCATCCTAGCCGGTGCGAGGGGCGGGCGGACGCGGCG	13573
TGTAAGCCAGCTGAGTCTGTTTCTTCTGTTCTGTTTCAGTGCACTGTGAGGTCAGTGAATGGAATCCTTGGA	13574
CACCACCAAGTGGAAATTGGGTAGGTGACTACTTCAGTTATCAAATAATACTGCCTGGTAACATCAATTTT	13575
CAAATGTGTATTACATATATATACACTTTTATAAAACTATAGATATATAAAACTGTATATCTACACATACACA	13576
TTTGGTTTGGCAATGGAAATCTGAGTTCTCCTAGCTGTGACTTGTGTTAGGAACGTAGACTCTGTCCAGCTCAG	13577

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Table 1. Novel miRNA sequences

TGGGTAAACTGAAACCAAGTCTGATGGGTGTAAGGGATGGGCGTGGTGGCTCATGTTTTTAATCCCAGCATTTG	13578
TCTATGTTGCCAAAACTGGTGTGGTAAAGGAAGCATAGCATACGCTCTTTATACAATTTGTTTGGCTTTAAC	13579
GGGAAAAGTGTAGTAACCCAGCCAGGTAGCACAGTCCCTCATGGCTTCCTTTGGCTTGGGGAAGGAGGTCCC	13580
CTTTTTGAGGACGGCTCAGTCACTCAATGCTTAAAATGGCTAGATGACCATTTTAAACGTTTTACCATGGGTC	13581
TGCTGGCCATTGTGTTCCATGCTAAGAGCATAACAAGCTTTTCTCAAGAAACTCAGGCTAGAGAGCCATTGGG	13582
ACTGATAGCTTATCATCACACAGGTGCAGGACAGAAAGTCATCACGGCTCTTCTCACTTGAGACAAATGCATATC	13583
TTGGAGGAAAATAACAAAAGGCCTATAGGTATATGTGTACTGTAGTCATTCCTTTTGTTATTTTTCTTCAAA	13584
TCTAGGAAAGTTTACCCTACAGGTGTCCAGTGGCCGCAGAGAAGCTGGAACCCATGAACTGGGCGGGGCAGAA	13585
CCTCAGGTCCCTTCAGGTCTCTTCAGGTCTCTGTTTGTCACTGATAGTCCCTGTTCGGGCGCCACTTGTGG	13586
CATGCCACTTCATGGGTCCCGTGTGCAAATTCAGGGGGAGTTAGTATGAAACATGCAGTGGGAATTCAGG	13587
CGCTGGCCTGTGCTGACTTCTTGGTGGGAGTCACTGTGATGCCCTTCAGCACAGTGAGGTCTGTGGAGAGC	13588
TTCAATGGAGCCTTGTCAAGCACTTGGTTGGATTCAGCATCGCTGAAAGTCAGCCCTTAATTCTGACTGCCC	13589
ACCTTGTTGCTCAGACATATTCACACAGTATATACACTTATACATAGTGTTTTTTATGTTTCTGGGTTTT	13590
AGGAGGAAGGTGGGGCGTGTGAGCTAAGAGGCAAAAAGCTGGGCTTTTCCATCACGGTTTCTTAGCCTCCA	13591
AATGGAGTGTCAGAGGATGCAATAGGATATGAATGATGGTGTAATCAAGTAGTATCCACGCAGCACAATCCT	13592
AACCTGCTGTGTGGCTGTCCTATCTTCTAGTGATGCATTATCATCTGTATCCAGTGGGCAGAAACTGGAGAA	13593
ACAAGGAGGTCTGGGCTGTAGTGCGCTATGCCAATCAGTGTCTGCACTAAGGTCAGCATCAATTTGGTGACCTC	13594
CGGGCGGGGGCGCGAGGACCGCCCGGGGACGGCCTGGCGCAGGGCCGTTATCAGTCTCCATCGGCTCCTG	13595
AAGCTCAGCAGAATCACATGCAAATTGGAGCTGGAACCTCAGAAGGTCTCAGAAATGGGGCTGCTCCTCTGC	13596
TAGGATAGCTTCAATGGCACTTATTGCTAATGTTTTAATCATTAGTAGAGGGAACAGTTTATGGGGTTTTCTTG	13597
TGAACAGAGTTGCTGACAACCATGCACACTACAGATTACAGAGGCATGATTGAGGGCAGGGAGTCTAGTA	13598
TTTTACTGTAAAACGTTCCCATTCCCATCTGTCTCTTGAGTCTTTGTCAAATACAGGTGATGGTGGCTGACTC	13599
GAACACAGATCTCATTTTTCTGGATTAGCTGCATTTGGTTGCTTGCGAGGTGAAGCTTTAGAGGAAAAGGA	13600
TTTTTCCAGAGTGGGAAGTGTAACCCAGGGATAAGCTGGGGTCCCTGGTAAAGGAAGTATCCCTAAATAACTGG	13601
AAACCTGAGTTTTTTATGACCTATGAATTCATGATCAAAATAGTGGAGGGGTATGTGAGATTTAGATGAG	13602
AACAACAACAAAAAAAGATGGCCAGTGTTGGTGAGGATATGGAGGAACTGGTACCCTTGTACACTGTTACTG	13603
CAAAGACCCTGAGGCCAGAGTGAAAATGAATATTAAGAGGGTAGAAAGAAAGTCACTCTGGGTTAAAAAGTGGT	13604
ATTTCTAGCTGCTCAGGATGTAACACACTGTTTTTTCCCCTCCCAGAGTGTGAGAGACATTGTGCTTAGGGAAA	13605
CTTTCCCTCGAGCGCGAGGAACTGGAGCCCGGCTGGCCCCCCGCCTCCGCCCCCGGCCCCAGCTGCGC	13606
ATGGCAAGCTATCAGGCAGGGGGTGGTTCAGTGGTGACAAAAACCTCAGGGATGGAAGAGTGCTGTGGCAAA	13607
CCACATCCTTAATGCTCTGTGGTTTTTGGCTGTTTGTGGTTTTTCTCCACTTCTCATCAGCTTGCTGTTGAGTA	13608

Table 1. Novel miRNA sequences

TCATTAATTTCTACACTAAACTCCAGTGCCGTATCGCCAGTTGTTGACTGGATACTGCCAGCTGATGTTCT	13609
TGTTTGATTTTTTAAAGTAGGTGACATCTATTCCTATATTATCAATGTAGTGTATAGATGTGAACAAGGTAG	13610
ACCATTCGTACCTGAGAATCTGACAGGTCCTTCAATGAAGAAAATCTTCTGGCTATGACCTGGGATTTCCC	13611
ACTGAACACATCTGTGCCTTAAAATGGACATTTCATGGAAGGATGGCATTGATGGTAGTCACCATCTACT	13612
GCCCCGCGCCGCCCGGGTGCCCGCTCGCCCGCGCGCCCGTCCGTCCGTCCGTCCTTCCTGCCCGCCCGGC	13613
AATACCTTCATCAGCAATTGCAGTGGCCATGGAATTATCCATTTCTACACCTTGTATTTCTGATATCTCC	13614
TGAAGGCAAAGTGGAAGCAGCACCTCGCATGGCTGGAGCAGGAGGTGCTACACACTTTTAAACAACCAGATCT	13615
AACTGCCTTTGCTTTGAATAGAGATTTGGATTTAATAAAAGGCAACTTTATTTGAAAACCATATATGTGAAGGC	13616
TTTCCAACTGTCTAGGTCTACTTTGGCTGTTATAAGAAAATACCACAGTCTGGGTGACTTATGAATAAAGGAAA	13617
ATTCCCACTTGCCCTGGTTTATGGGGTGCAGGTTTCACACCAAGAAACAAACCAAGAAACCTGGCACTGTTG	13618
CAAAATTACAGTAATCCAGTAGAAATTAAAATTACCTGTGGTATTTTCAATGACCTGGGTAACAGTATTTTT	13619
CCTCATGCAGATGGGGTTGATTGATGAAGTACATAGTCTTTCGAGTGAAGACAGAACTGAGTCCCAATTCTA	13620
TGTTTTGGAGGGCTGTGGTGGAAATTAAATTAGGTAAGCAGCATGCTGCAACTGGTGAAGAGGCAAGCTCTA	13621
CATAGAACAAGAGTGGTGTCAGACAAAGCTGGAGAATGCAGCATATACAGATATGGCTGTCATCTGAGAACACT	13622
TGTCAGTTTCAGAGTTTCTCACCACAGGAGTGTACTAGATTGTCTAGGTCACTCAGTTTTTATGGAGTTCCTGG	13623
TAGAGCTTTGTTGTTGTTGTTTCTACTCTAGAAATACCTAGTTTTGGCTCAATGGCTTCCCATTGGTTGTA	13624
GAAGACTTTTTATCTCCCAGTGAAGTCACTCCCTGTGACTTATCATTCTTAGTTTTGGCTGAAGAGTCCAT	13625
GCACGGCTGCCCCGTCCGTCCGTCCGTCCAGCACCCGCCCGGAGAGTGAGGCCAGAGCACGCCCCAGCCGTGT	13626
GGCATTTGAAGTCTGTCCCTGGTAACTGAGTGTGGCTGGGGTAATGGGGATGATGGGAGAAGCTGGGGTCAG	13627
AATTCCATAATGTCTTTATGCCAGCAGAAAATCCAGCATGATGAACTATTTTATGCACTAGGATATATGTGGT	13628
TGTGACTGCAGAACGGCGCCTTCTCTCACAGTAGAAGTCAGTTTGTCGTTATGGGGAGGAGTGCTCTGAAAATA	13629
GCACAAGTAAATGAATTCTAGAGGGAAGTGACCATGGGATTAAATGATCCTTAAAGGCACTGGTTTCTTCTGT	13630
ACTCTTATGAGTGTTAAGTATGTATATGTATGAGTGTATACAGTTCACATATATATGAAAAATCTTTACAGA	13631
TTTATGAGCTTTAGTCCCCATGAAACCTAGATCTGCCTGTGCACTTATTTGATGGACTAGGTATTCTGGAGA	13632
AGGGCATGGCTTAGTGGGGGCCTCTGTTTTAAGGTTTCTCACAAAGCTGCAATTCAAGGTGTTGGCTAGG	13633
TGTTTGGGAAACAACAGCAGCAAACAGTGAGGGAATGATTGGGATTACCTTAGAAGGTTCTTTTGTTCTTGGGC	13634
GCAGATGCCACTGTTGCTGGAGAAATGTCACTGCTAGAGAACAGAAGACTATTATTCCAAAGGGTATTTG	13635
TTCTGAGCCCCAGGCATTTTGCGTAATCAGCCTTCTTTGCTGTTTCTACTGTTTGATGTCTTAATCTGTTATT	13636
ACCCATCCTGTCATCTGGTCACCTAGATACTGCCCAGATAGAACCACCCTGCAGGCCGGGTCACTCAGAG	13637
TGTGCCAAGGAAATAGTAATAATGCCCACCGCATATGGTGGTTGTAATGTTTGAATGACTTCTTGTATATA	13638
GCGGAGGCAGGAGGACTGCTTCAGTCCGGGAGTTAGAGCTGTGATGAACTCTGAGCATACCACTGCACTCCAGC	13639

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Table 1. Novel miRNA sequences

GCAAGCAGGTGCAAGGAACACAGTCATTTTCTTTGTCTCCTGTTTCAGCTCAGTTCAGCAGAAACACATTGA	13640
TAGTTCCCATCAAAGGTGCAAGAATTTGGTGGTGAGTAAAATTGATGGGAGCTGATTCAAGCCAGGCTGG	13641
TCTGAGCTCATAATTTGATAGCTAGCCATGGTTTACATGGAAAGGAAATCAGAAGTCAACTCAGTAAGAGGT	13642
CTCAGAGACATTCATTCTGAGTAATCCAGGAAGTCTGTTGATTTCATTCTTGCTCCAGTGCTTCTGCTCTC	13643
TTTCTCTCTGGAGTTTGTCCAGTTTTCCCACGGAAAAATTATCCAAACATCTGCTTTGGGGATGGGAGATGAA	13644
TCTGGGGACAAAGATCAAAAGCCGGCTGCCACAGGTTTATTGCAAGTGAGAGTTTGAGTTTCACCCTGACACA	13645
AGGACTTCAACCAGGAAGAAACCAACTTCATGGTCACTTTCCAGCAACCAAATACCTTCCTGAGAGTTGACTCC	13646
CAAGAATCATTTGAACCTGGGAGGTGGAGGTTACTGTGAGCCGAGATCACATCATTGAACTCCAGACTGGGC	13647
CTTTGTGTCACCTGACTCCTATCATCCATTGACCTTCTTACCAATTGGCCTCATTCAGTGAAGGTGAGCCCACA	13648
TATATTGTCAAGAATATCATTATCAGCTGAGCACAGTGGGCCACGCCTGTAGTTCTAGCTACTCAGGAGAC	13649
CTAAGCACTGGGGATACAGTAGGAGTAACACAGGTTTGCTGTTGCCTCTACTCAACATAAAATCATTTTGC	13650
AGAATCTCAGTCTCAGGATTCTTGCATTCTTGGGAAATCATGATAGGCTTAGAGTGCAACCAGAAGAGAGAATC	13651
GCATATCACAGTTCTACAGCAGGCCACTACAGGCTCCTGACAGAGAACACATGTATCCTATGCATTATGTAC	13652
GGAAGGAAGGCTGCCCATGTGTTGGGTCTGCTAATTAGCACCATTTGAAAATAATTATGACAAGACCACACAGG	13653
AGACGGGGTGGTGGCCGGGCAGAGCGGCTCCTCACTTCCCAGTAGGGGCGGCCGGGCAGAGGCGCCCCTCAC	13654
AACAGTAGCAGCACTAGATGCTCATAGGAATGTGAACCCTATTGTGAACTATGCTTGTGAGTGATCTAGGTT	13655
AGCTATAAGTCAGCCCCACAACAAAGAATTATTTGGAGTCAACTGTCAATAGTTCTGAGTTGAGAAACTC	13656
CTCCCTCCAGCGGCAACGGCAGTAGTTTTACAGAGGCTGGCTGAACACCCAGCTCCCTCACCAGGCCTAGCC	13657
CAGGGTGGAAGGCCAGGGTGTGTAGAAAAGAATAGATTTTCTCTGTTTATTGCACAAGTTTGTCAAGATTACAT	13658
CTTAGTATGCCATGGGGTCACTGTTTCGATTCCTGCTAAGGTATTAGCAGTTGAACTCATGATTGCTTATGCC	13659
ATGCATGTGTATAAACATACATATGTATATGTGTGTGTATATAATTTCATCATTCTTGAAGCAAGCCAGCAG	13660
GAGAAGGAGCAGGAGATGACAACCGCTAACCTGAATAGAGGCTCAGATCAGCTGGTTGACGATCAGCTCAGTG	13661
CTAAAATCAAACTGCTTGTGAGTTATGGAACTGTGTCTCAAATCCAGTTCTTCTCACTACCTAGGCACTCAGAT	13662
TAATTCTGTGAAAAATGTCAGTGGTAGTTTATGGGAATACCATTTATTCTATAAATTACTTTGGGCAGTATGG	13663
GCATCCCAAGGACAAGGAAGGGTTCCTGCGCTTCACTGCACCACACCTACTCGGTCTCTACAAAGCTCCATTTC	13664
TTTAGATCACAGAGGTCAATGGTAAGGGCTCTGGAGTCACATTGCCAGGGATCAGAACCTAATCTATCACTT	13665
TCTATCCAGCGGGTGCTCTTATCTGAACTGACAGCAGCATTCATTGTCTTAGAGATGAAGCGGGGGTGGT	13666
TATAGATTAATTCACTAGGGGCCAACTGTTTGATTTCTCTCCCTGCTGCTTGGCACCGGAATGCAATTCTAGC	13667
CAAATCCAGTTTTTATAAAAGGCTTTGGCCCTAGCTTTGGGCCAGTGGTTCTCAACTGGGGTTGTTGTTC	13668
GGAGTTTACAGAGAAGTGTGGTAAGAAGGCCAGGAAGGACTGGGAACACTTCTGAGGTCTGAGAGCAAGAA	13669
GCTTCCACCTGCTGGCCAGTGGGGAAGAGTTTAACATGACCTAACTTAACTCTGTGCTGGCCAGCTGGGC	13670

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Table 1. Novel miRNA sequences

GGAGGCTGAGGATAAGGCCATTGAAAAATAAGTAAACCACGAATTTTACCAATTTTTGGATTTGTAAAGCCTTT	13671
ATAACAACCTTAATAAAATCAACTGCAGATTGTAGTGAGGTAGCGAGCACATTTCATTTCCCTGCATTTTGC	13672
CTTTTGGCGAAGCTTGTTACCTATGAATTGGCAGATTTTTGTGGCAGTAAGAAGTACAAGCAAAAAGGAATG	13673
CCGAGCACCTCCTGAACGTCACCGATAAGGCGGGGACGCCAGCATCTAATGGGACTGCTGGGAGGATTGAG	13674
GGATCCTCCACACAGGACTCTGGGGTGCAGCCGTCAGCTGTGTGCTCCCCGGCACCTCCTGTGCCCCTGC	13675
GCTGAGGCTGGCTCTTGCAATCCCCCTATTTTATGGAATGTTTCGCTCTGCAGCAAGCTCTCACATAGTTCA	13676
TGCACTTTGGACAGAACCCTATTTGTCACTATAGGCAGATGAGATCTGTATTACTTAAGGCACAGTGTAAGCT	13677
ACCTCATAAGCTGGAAACTCAGCCAGAAACAGAGGAGAGGGGTAGACAGCAGGCACAGACAGATGGGGATGC	13678
CATTCACAGCAGGCTGAGCACTTACCACGGGGGACCCCCCCCACCCCCAGTAGGTCAGGAGTCCTAAGTGGA	13679
AACATTGGGCCACTGTAAATTGAGATGAAGTAACCATTTTCATCTCTTCTGCAGGGACTAGACATTGTTTCT	13680
TTAGAACCTTACCCACTGTTATGGCTGAATGGTGTCTGACTGCACCCCAATTCCTATGCTGAAGCCCTAACA	13681
ACATTTACCAGATTACAAAAGTGGTTGAGCATCTTTTATGACTCTTAGCCATATGGTATACTGAGTTGAATA	13682
CGAAACCTGTTTAGCAACCCAAGCAGGAGGCCGCTTACTTCTTAGTTCACTTGCTTTTTGTTATAAAGGA	13683
CTTTGGGCTGGTCCGATCCATTGTACAAGTTAAAGCACTGATGGGTACACAGGTCTTACCCCTGTTGGCGAT	13684
CTCCCCTCTGGGCCTGAGCATTGCTCTACCTGCTTGCCTGGAGCAGAGGCAGGTGCCGGTGCAACTGGCTTTA	13685
TGTAAAAGTGTACATTCTTCTAAAGACGTAAGTGATTAACATTTTCTAATCTCTAAAGTCTGAGTCCTGAAGA	13686
GTGCCCTCCCTGGCTGTCTTCTTGGAGACCCTTCCTGCACTGAAGAGCAGGGAGATGGAGCACATGTGGA	13687
ATATGGTCCAGCCCCCTTCAGGTATCCTCTGTGCCATGAACTTGGCGCTGTCCCTCTGACACCCTCGGCCACCC	13688
GAGTGTCTTTGTTTACAATGTTCAGGTCTGTGGGTGTCCAGTTTTTTCCACCTTGGGGAGCAGAGGGTGAGTGG	13689
ATGTCTGGAGCCTTGGCTGGAATAGCTCAGTTGGCTGGAAACATCCTGGCTTGGCTGGGGCCCTAAGTCT	13690
CTTTCCCCATAAAGTAGGGGATCTGGAATGTTGGGAGCACTCTCTCTGCTCCTGGTCACTCCTCCCTCCTGGCT	13691
TTGGAGAACTCCCATTGAGAAAAGATCCTAGAAATCACAGCAGAGTGGCAGGGTCTTTCTCAACTGTGTCCAA	13692
GGTGCCAGTATATTTGAGAGCAATGGTGGCCTAGAATGTAGCAATTATGCATCAAGAATATAACAGTATAA	13693
CCTCCAGAAAGGCAGTGGGGAAAAGCTCCTTCTTCCTTTGCAGGTAGAAGGCCTCACACATTCTCACTCT	13694
ATGGCAAGGAACGGCAGGAGGCCTCCAGCCAACAGGCAGCAGAAAGCCGAGGCCCTTGTAATGACAGCTGCAA	13695
GAACACGTGTAGTAGCATTATAGAATCAGAGCAGTAGCTGCAAATGATTTATGAAACTATCTACTCTGGATA	13696
GAGATGCTGCTGGGTAAAAATGCTTAGGCTTGAAAGTCCTTAAAGAGTCTGAGAGGCCTTAAAGAGAGCCCCT	13697
GACCCCTTTGGACCACACAGGACCCACTGGTATGGGGAGTGTGATGGGAGTGCAATGGGGGTTCCCTCACTCG	13698
CTACCCGGGCAGAGCGATATATATATCTGAGAACTCCTCAGACAATATGATGCTTCTTACGTGCAATGGTGAG	13699
GACGACTCGGTGGACTCAGGTGGTGCTGGCCTCCCGTGCTCAGGGACTGAGAGCTGGTTGCTCCTTCCTACAC	13700
ATCCAGCGGCTCTCAAGCATGGCACCTGCATATGATAAATAAGCCACCACATGTAGCCCCAGATTTGGGTC	13701

Table 1. Novel miRNA sequences

ACCCATCCCCCTGAGCAAAGTGCTGCACTGCCAAGTACCAGGTGGTGTGCAGTTTTGAGGCACTGGAAAGGAA	13702
ATGTGGATAGCACCATTTCTTTATTCATTGTTGATGGACACTTTGTTTCTACATCTTGTCCACGTGAA	13703
TACTTACCGTCTTGCATGTTTATTTTTCTTCATTTCAAGGGCTTACAGTGCCAGATGCAGAGTTTGACACA	13704
GTACCTTGGAGTTCCAGTCCAGTTTTTCCCAGAAAACTGACCTGGTGGCCCCTCTACCCCTTCACACCCCTCC	13705
CTGTAGGTATAGGGGCATAAACCTAGGGAGACATAAGCAAGGATGTTCACTGCCCCTGAGATAACTCAGAA	13706
TGGACCTCCAGGAGTTTGTCAGTTACAGTTTTCTCTAGCCCAGCATTGGTTCCTGAGGGGGTGTATTA	13707
TGGGGCCCCCACATCAGTAAGCTAAAGGGAAAAAGTCATGCTGAGAATCGCTTAGGGCAAACCCGCCTCCC	13708
CAAAAACAATTTGTTCATTTTTATAAGAACTACCATACTGACCCACTGGATGTGGGTCAAGCTTGGAGCTGGT	13709
GGAAATTCTTGCTAAGTAAAATTAAAAATGCATGATCTCCAATGCTCTTGTTGCTAAGAGGTAGTTTCTA	13710
AGAGCCCAGGCTGCGTGGGATGAAGCACTGTAGACAGCAGCACGTTCCACCTCGGCCTCCACGTGGACTCAT	13711
GCAGCTCAGGCAGTATAGGGTCAGTAGCGGGGGGGTCCTAACCAGATGGCTCTTGGAGATGACTGTGAGCTGT	13712
TAAATTCAGACTTTGCTTCTACTATTGACGAGGGGTTAAAAATCCAAAGATTCCCTAAAAAGTGGTAAACCAAGG	13713
CTGGAGATGGATGGTGATGATGCCTGCACTACGATGTAAATGTGCATGATACCACTAAACTGGACCTTTG	13714
AAGGAGCTGGCTCTCAGCATCACTCACTAAGACGGCTCTGCTGGGCTCTCTCCGGCGGGTGCGGGGTCTGCAGGC	13715
CATGAGAATGGTTAAGGGCAAGTGATGTAGGGGAAAAGGCAGGGCCCTCGCTCCCCAAATCCTGCCTAGGCTGT	13716
GAGCAGCGCCGGTGACCGCAACAGCACATTGTTGAGTTATTTTAGAAGCAATGTGGCTTGTTTTTGTTTATGGT	13717
ATACGTCAGAAAGTAGGTTTGCAAGGGAAGATAATGAGTCCAGTTGGGTCCTGTTTCTTTTGAGCTGCCT	13718
GTAAGAGAACAGAAATCTCCAGTAACAAAAGTGAGTCAAGTTTTGTTTTGTTTTGTTTTG	13719
ACCCTGCAAATGACCGCAAAGCTGCGGGCAGGCTGTCACCCTGTCCCCCCGCTCCCCGTCCCCCCTGTCACTGT	13720
AGCGCCCTCACCCAAGATTCTGCCCCTCCCAGCACTTCCTTTTTTAGTGACTGGGCCCTGCAGGGGCGCAAG	13721
CCCGCACAGCAGGCACTTCACTGCAGGCTCTGCTGCCTTTGGGAAATGTGCCTCCCTTGTAGAGCTCTGTGG	13722
TCTCATGAGGTAGTAGTGGTGGCTCTGGCTGTGTCCCCTGTGGTCTCCTGCCTTTCCCTGGCCCAGGAGTGG	13723
GGTGGCTGGGTCGCTGTCGCACGGCCGCGGGGACAGCGCAGCCCCGGGCCCGGCCGCCGCCATCAGCCCGA	13724
TCCGTCTAAGGGTTGCTATAACAATTAAATGAGATAAACCATTTGCAGGGCTGGCACTGCCTGATGAGAAAGG	13725
ACTCACTTCCCAGTGGCTTCTGGGGAGGAGGAATCCCTCCCTCAGGCCCCTCATGTGGGTGAGTGT	13726
AGAGCTGAGCCAGGTGATGACGCTGTCACAATACCCCATGCAACCTCACTGGACTCCGCTTGTCACCTGGGA	13727
AAAAAATCCGCTCGAGGGGCTCAACAGTAGATTTTGGCTAGAAGAATCACTGAACTTGAGATAGATCAATAC	13728
CCCCCTCCAGTGAAGACCGACTCTGTCTAACTTGTGAAGGTTTGGATACTGACGGCGAACCGCTCTTAATAA	13729
CCTGGGCCGGGCAGCTTCCGTTTCCAACCAGAGTCGGGGAGGAACTGGGAGGGGAGCGCGGTCTCCTCAG	13730
AAATCTCTAACTGCAAGAACAACCATGTCAATATTCTAGATGAGAGATGAATGCTGGCTTGGGTCAGAGTGG	13731
GTCCCCGCGCCCCGCGTCCCCGCAGCCGCCTCCTGGGCCTCGGGCGCCGCATCCAGGTACGCGGGGCCGG	13732

Table 1. Novel miRNA sequences

TAAGCAGCCTACTCTGTATCAATAGCTGTCTGTTAGAAAGCTGACATCACATTGTTGATCTAAAGCAAGCTTGT	13733
AATGTGGATACAAGTGACCTGATGCTGCTGGCCACGTGCACGGCAGTCCCAGTGTGGACACGAGCGACCTG	13734
GGGGGGCCCAGCTCCAGGCCCCCTGCAACCCCCGGGGCTGCCGGCACTCCTGGGTGGGCCTCACCATGCAGACC	13735
GGGTAAGCCCACGCCCCGCTCCCCACTCCCGCCCGGGTAAGCCCGCGCCCCGCTCCCCACTCCCACCCGG	13736
AGCTGACAGAGCTCCTACAGTCCTAGACAAGCAAGGACTGCTTGGATGAGTGGGAGGGTGGATGGCTGGGAG	13737
CCCTGGCCAAGGTACTTGATCTCTGGACCCCTCGATGTTACCCTCTGGGAACTGGAGATCTTCACAGCTGGTT	13738
AAGGGAAGTCGTCCTGCCAGGGTCGCACAGCTGGGGTGTGGTGCAGAGCCCAGCCCCATGAATGATGCTTTTG	13739
GAGAGGCTGCATCAAGAAGGTGCTCAGTAAATGTGTCCTTCTCCTTCCACGCCTTTCCCCCTCCTCCCTCCT	13740
CGGGCTGCAGATGGCGGCGGCTGCTGAGGGAGCTCCTTCCCCTCCTCCCGCCCACCCTGCTAGGGCTAGGCC	13741
CCAGCTCCTGGGTACTGTGGAGGCAGCGTGGACTTCCATGGCTGCTGCCGCCCAGCACACACCACGCTTCCCGG	13742
GGGCAGGGCTGGGAGGTGTGACCCTCGCCTGGGCTTGTTACAGAGGCAGGTTCCACAACCCAGCCGTGTGCG	13743
TCTGACTCAAGCTCAGGCTGTGCCATTTCCCTGCGGAGGACGTGCCAGGGAGACGTTGACTCCAGATCCCTC	13744
GTGACATCACTCAGGGAGAGGGAGTGGGGGAGAGGCTGCTCTCAATGATTTTGGACAACACTGTTTTGTCTACA	13745
GGGGGCCACCTGCCCCACAGCCCCGATGGGGGAGAAAACCAGCTGGCCATTCTGTTATTCCGCAAATATTTGT	13746
GTATGGCAGGCTTTAGGGACCAACATCAAATACAAACATGTTGGAAATCTTTTTGTCATTCCAGCTCAATTGA	13747
GCTTCCTCACCACCTTGTGCACTGCTGCTCCCACACCACAGTGACTAGCAGCACATAATGGTTTGAATTAAAGC	13748
CCAGTCAGTCACCTGGTTCCCAAGGTTCATGAGATAATCTCTGAGAAGTACAACTAATCATGGTGCTGGGAGG	13749
ACCAGCTCCAGGAACGTTGCACCACCAATGTATCTTTAAAGTGTCCTCGTGGTGACAAAATAATCTGCACGC	13750
AAAGAAAACAGGAGCTTCAGAGGCTCTGTCTGGGAGGCCTACGGCTTGAGATAGAGTCACCCCACACAAGC	13751
CCCTCCCGCACCCCCACGAGTCCCGCCCCGCCCCGCCCCGCAAGAGGGCCGCCCGCTCCTTACCGGGTGCGC	13752
TCAATTCTTGGAAAGGTTTTATTAAAACTAATAAAATAATTGGTTTGTATTTAAGATTAATAAAATCGACCAGA	13753
GCTGTCATCATGTCCACTCTACAGCCAGCAGCCTAATCAGCTTTCCCTGCAGGGAGTGCGGGCAGAATCAGA	13754
ACCAAGGAAGAGTTTGTAACTGTAGCATGCTTGTAAACTAGAATATTATTATTTTTTTTTTTGGTAGAGGCTGC	13755
GTGCCCCTGAGGAAGGGGAGACTGCACTGGGAGCTGGGGCTCGAGTCCCACCGCTGCCACCTCCTGACTGTGGC	13756
TTGGGATCACGGGAGGGGGATGTTGGCTCAGGGGGAACCCTGTGAGGAGTTTCCAGTCGGCAGGCCTGTGAGA	13757
ATTTGGGATTTTTAGAATAGCATTTCAGGTGCTCACTCACTTTGTGGGTGGGAATTGAGCCTGGTACAATCTC	13758
GTCTCGCCACTGGGGGTTTTTCCTCGTTCGTAGTAAGTCCAGTTTTCCCGGAGGGAAAACCTTTGGCAGACCCC	13759
ACAATCCATGGGGAGAGGGTGATATTACTCCCAATATCGAAGGAGGTGTACACCCTCCCGTGACAGTGTCCTCA	13760
TTTATAATACTTTTGCAAGATCCTGTCTGGGAAGAGCATTAGTTCTGAGCTGAGTTCAGACAGCACTTGCA	13761
AGAAAGGACACTGAGATTTTTTAATAGAAGGATTTCTGTCTTTTAAAAATAATCTTTTGGTACTATCTTAA	13762
GTTCATACCATAAGGAACATCTCAGAAGTTCTGGAAATAAGAGGCTGAGAACTGAATTCCATTGAGAACTGAGC	13763

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Table 1. Novel miRNA sequences

GTTGTGGGAGGCTGTCCTTAGCACTGTATCATGTTTAGCACCATCTCTGGCTTTAACCCACTAAGTGCCTTCC	13764
TAATGTGTGTAAAATGTTTAGAAAAACCCTGTGAGTGAGGTAGTACTATTATATCACCATACACAGGCTAGG	13765
AGTGCTGGGATGACAGGCGTGAGCCACCGCGCCGGCCGCGCCGGCCTCCACCCTAATCTTTTACTAGGCAG	13766
GCAGAGAGTGCAAGAAGCAGCAAACATGTCCATCAGTCTCTGTGGGCACATTAGCACGTGGTTCTCCATCTTA	13767
TAACCCTGTGAGGTCACTTGCCTTATGCTTCCTTCAACATGGAGGAAATTCCATTAACATTCACTCCAGGC	13768
GTCATTAGAGTATCATCATGATCCCATTCTACTGGGTGAGGATGGTTGAGGGGAGAAATAATGCTGAAGAGTG	13769
AATTAGCTGTGCCACTGAACTATAGGTTCCTCATTTGTGAAAACACAAACAATGGACCAGTGAGCTCTGAGGTAC	13770
TACAAAAGGATTGTCTGAGAGCTGCTCAAGTGTGGTTATGAGGGGAGGTCAGGCTGGAGACAGAAAGGATGAT	13771
GAGGTGTCAGTAGCGAGGGAGGTGGTGACGGCTCGAAGCATCCCCCGTCCTCCTCCCCCTTCACGCTC	13772
ATTGAGGCAATGAGGTAGTGAGCTACTTGCCAAAGGTCATAGAGTTAGCAGGTGCCAGGGCCTGTGTTTGAAT	13773
GCATTATTTGTTCCAACAGGGGAGTCAAGAAACTGATGTATAGTTCTGAGCTGGTGGAGCAGAATTTGTTT	13774
AGAGTTAGTGCTAGAATTTGATTTAGGGTATAAATGGAAGATATTTTCACTCCATTTAAACCATAGCAATGAT	13775
CCACAGCCTTCAACACAGGATGGGAAATGTGCAATAGGCAGTTTTACAATGAATGTGAGTGAATGGCAAATA	13776
TATACAGATAGTGGTCATGGTTCTTTTACTCACCTCGCAGTATCCGTGACATGAACGAATCTAAGATTAGTATT	13777
TTTGTGCCTGATAAATCTAAACTGCATCGGCTCTCATGAGAGAGCTGCATTATTTTTTCAGATACAAATAG	13778
TCGGCATGTTCTCACAGTCTAATAGCAGATCTACTTTCATCTGTGTCTGGTTATTGTTAGCTGTACATTCTCA	13779
AGTAAAATTTCCAACCAATGAACTTATTGAAGATATTCTGATTTTATTATGTGAGTGTCTTCAAAGATTGCA	13780
ATAACCCCCAAGTATTTCAGGAAGCAAATAGCAGGGCAGTTTAGCTGTACTGGCTGACTTATGGGATGGGATGG	13781
TGATGTGGTGCTGAGAAGAATGTATATTCTGTTGACTTGGGGTGCAGAGTTCTTTAAATGTCTATCAGGTCTG	13782
TGTCACGTGTTGATTACGTGATGATCACGTGTCAGTAACGACTCGATCATGTGTCAGTCACTTGTTGGACATGT	13783
CCAGTATTTGGCAAATACGAGTAAGTAGTTCAATAAAAATATGTGCTTAGTTGCCACTGGTATGTTCAGATCTGG	13784
CAGAATCTGCCACCACATGGTCAAGCACTAAGCACAGCATGTGAGTAAATGCTAGGGATCAGGACAGCATTC	13785
AAAGGCTGAGCCTTAACATATATAAATAAATGATATATATAAAGAAGGCCCCAAATCATCCTTTAGTATTGT	13786
TGACTTTTGCATAGCTATTGCATTTGTAAATATTCAAATGCACTTTGTTATGGATAAAAGGGAGTTCCTTGGGT	13787
TTTATTTATAGCCAAGTTCATCATTTTAACACTTAATCTTCCATGACAGTCCGGAGGAGAAGAAACTTGGCA	13788
TGGATGGAAGATAGGTGGAAGAAGAGGGATTCTTAAATAATTTTCTTTCTTTTGTTTTATATTTCTAAAACA	13789
AATTTTCTGCCTAGCTAGAGGACTGTCAACGCACCAATCAGTGCTCTGTGTCTAGCTAAAGGATTGTAAATGC	13790
AGCTAGACTCTATTTCGTCGTACCAGTATCATTGATGTTTTTATTTGGAGGGCTGAGTCAGCAGCATTGTTTTA	13791
TCATCTCTCCATATGTGCAGGAGATTGGTTTTGGGACCACCGTAGATCCTGAAACCTGATGATGCACAAGTC	13792
AAGCTTATGTCTAGTTTTGGCTCAGCCTACAAATCATTTTGCAATTCAGTGTGCATGTAGCCAGATGCACAGC	13793
TTGTGTGTAGACTTTCCTTGCATTTTGAATTCAAACTCCCCAAGGGAAACAGACTAGGTCAGCCAGGCATTA	13794

Table 1. Novel miRNA sequences

CAAAGGAGTGTGCAGACTTGTGGCCCCCGGATTGTGTCCGATGCTGGCAGCATTGCGTGATTCTCCAGTATAT	13795
AAATTGAGACTGTCTGGGAAATGCTTGGTGTAGGAATATGGTTTCACATCTAATGCAAAGTCTTCACAAC	13796
CAGCTGTACGATGTTTTAGTGAACATAATACACTGTCACTATAAAAAGTGTTTGCTGTTATAAAACATTGTT	13797
ACCAACAGAGTCTCTCCTCTCACAGAGTTTATGGGGAACATAGAGGAGAGGAACATGAAGATGTGTCGTCCA	13798
GAACTTCTCAAAGCGGCCTAAGCTGCTTAGAGTGAAACTTCTTATGAGGCCTAGAGGCATGGCTGCAGCA	13799
CTATAGAAATACTGTGTAATGCTGCATCCTGCCAGAGCATGCTGAGAGCTAGGAATAAGGCAGAAACCACA	13800
TGTGGTGAGTGCTGTGGTTGCAGAGATGATAAGACAGTTCTTGCCCTCAAGGAGCTCACAGTAAAGTGAAAA	13801
CATTTTTATAATCCTGGGACTTCAATCAAAAGTATGTGGCTTCTTATACTGGCACTGGATACCTTGGGCTGTAG	13802
GGCATTATAAGGGTTGAATGCATCAGAGGCTAGTGTGATTGCAAAGAGGAATGTGTGCCCCAACTCAGATGGC	13803
GCTTCCCATCTGTTTCCCATAAAGGCTCCCTCTAAAAGGCCGGGAATGAAAAAAAAAAAGATGGAGGGACA	13804
TACCATGTTGGCCAGGCTGGTCTTGAACTCCTGACCTCAAGTAATCCAGTCGCGTCCACCTCCTAAATTGCTGG	13805
CACCGGACCTGATGCTGCTGCACCAACTCCAGTCTTCACGGTTCACAGGAGGAGAATGGAAGGGCTGCTGCC	13806
TGAGTGAAGTTAAAGTTTTCATATGTTTATGAGTCATCTGTATGCCATTTCGTGAACTATGTGTTCAAACTC	13807
AGGCAGAGGAGTCACTATAGAGATGATATATATATGAATATATATGTAAATTATATAGATGTCTGTCTAAATGA	13808
GCTGAACATCCACGAAGCAGAGACTAGGGAGCCATGGAAAGCTCTTGTGTAGGAAATGAATGATTAGCTGTG	13809
ATAGGATCCTGTGGGACTGGACTTGGAGTCTCTCGGCACTCATTTATCCGGTAGTAAGAACAACGCTGTCGCAG	13810
ACCATGGATGGGGCATAGCATTTGATATTAGGGTTTTAATGTTGATCAAGGTCAATGTCGCCTCTGCTCCCTCT	13811
CACCCCTGCTGCAAGTGAGGTTCATCGTTTGTATCTGTCTGTTGTTGGAAGACTCAGGGAGACAGACACCTCA	13812
TAATATGTATACGGAGTCTTAGACTGTTCTTTTTTGGAGAGACAGCTGAGAATATATTATAAGATAATATGG	13813
ATCTATTTATGAAAGAGGTTATCTTGCTTATAGGAAAAATAATGGATTAAGCTTAACCATTCACAAATGGA	13814
CCAGATCTCAGTGGTGAGGATACAAACCCATTTAAACTGTGTCAAAATATTCATGGAGCCCCATTGATTTGG	13815
TGGCTAATTCAGCTCAACACTCAGATTCTTACGCATCTGGTGGTGTAGCAGAAATGCTTTATACATTCTTC	13816
AGTAGAAGCTGACTGATATACTTATCAAAAATAAAATGTTTTAAATGTTTCAGTAAAGTTCCTCAGTTACCTTC	13817
AAGGAGGAGATAAAATGACGCCGAGGCCCTGAACTGTTCATGGCATCCGCGGCTCAGCCAAGCTGTTGTTTTAA	13818
CTTGCCTCTCCCCTAGCCCAGCCTTAACTTTTCTGGGTTGCAGAGGGAAGGAGAGGTGGGCAGGGGACTCGGGG	13819
CTGGTCCCGCTCCGGGGACAGTGTTCGCAGGGCAGGAACAGCCAAAGCAGACACCAGCCGGGTAGAGACCG	13820
GAGGAGCCCACGCGGCACAGCACGAGCCCTACTCTTGCCCGCGTAGAGGTGTGTGTGTGTGTGTGTGTGT	13821
TTTCTAGAAAAGATTGCCGTGCACAATCAGTTTAGAGCGTGCCATGTTTGATTTGTAAGTGATCACTGTTTCTG	13822
CCTCATGATCTAAACAGTTCCCAAAAGTTCCCAAGACTGTTGCACTGGGAATTAAGTTTCTAACACATGAATT	13823
GGTTAAGAGTATAGGAGCAGGAGTCAGACTGTTTAGGTTCGAATCCTGTCTCTGCCCCCAGAACAGTGTC	13824
TGAAATTCTAAGAGTCTATGAAAGGCAGATAGGCAGTGGAAATATTGATCTATCATCAGTCAAGGTCAAGAGT	13825

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Table 1. Novel miRNA sequences

CTAGCACCTAGCACCTGGCCCATACATAGTAGGTCCCTAAGAAATGTGACTGGGACTGGGCGTGGTGGCATA	13826
TCCCACTGACCTTGGAATTGACAGGGTCACTTTTGGTTTCCACAGAGCCCCTTATCAATCACATTCATTTGGA	13827
AACAACCTGCAGCACCTCGGGCCGCGCATCTTCCAGCACCTGCCACGTCTCGGCCTGCTCTCGCTCAGGG	13828
CATTTAACCAGACCAAGGGAACTGAGATTTGAGAAGCTCAGTTGTCTGTAAATCTAATGGTTCCCAACTTA	13829
GGTAGCGGCGCCGCTTGGAGCACGGGCGCTGCGGGACGGAGCCCGGAGCCGGAGGCGGCGGCGGCGGAGAC	13830
TGATTCTGAGAGCCTTAGCAGCCCCTTGAGTTCTAAAAGATGGGTCTTTATCACTTTAGAGGCTTTGGGGTAA	13831
CAGCCCCCGCCCTCCCTTCCCCCACCTCCATCTGGGAGGGCCCCTGACTCACAGCCAGGAGGTGTCCAAGGG	13832
GCCCTAGAAGACCCCTTTGAAGGCATTTCTCCCACCCCAAGGATAACAGATGGGAAACTTCACTCCAGAGAGGG	13833
ATTAAGGGATCTGTGGGTTAATAAATATTTGTAATTGCTGCTTCAGCCTCCGTTGCCCTCGGCTCCCTCC	13834
CCTGGGAGGCCGCTGAGTGGATGGGTCTGGTGTGCAGAAGAGAGACCTAGGCTGGGGATAAAGGTTTTGGGAA	13835
CATATATAGTTTGTTTTTTGAGGTGGGGATCTCACTCTGTAGCCCAGGTTGAAGTGCAGTGGTGCAATCCTAA	13836
ATACAATCATGCCACTGAGGATTTGGTGATGGGGCCTATGTTTTTAAACCTCTTGTGGCAAATCAAATATAC	13837
AGTGATAGATCTGCTTGGCTCAGCTCAGCTCCTTGGACTTCCCAGAAGAGTATTAAGCCAAAAAGTTGTGTGT	13838
TAGAATAGCAGTGTGTCACAATGGCCAGAGAAGTCTGCCACCTGCTGATGGAAAAACTGAATTGTATAGATT	13839
AAACCCAATGCTTTCTGGCTTTTCTTGAAAAATGTGGGGCTCTGGCCCCAAGCCCAGAACCAAGTAATAGCC	13840
TGCATAAAACCCTTAGTTCCTGGGGGAAGGTTATAAAGAGAGTTCCCAGTAGTCTGCAGATTGGTTTTTTACA	13841
ATTTGACCGTGGAGCCTGGAAGGGGTGACTTTCTCTGAGATGAAGGTGAATAGCTCCACAAAATTAGGGTTCCA	13842
TACACCATGCACTAGATCTTATGCTTCATATGAGCTTGGGCTACCTCGTGCAATGGTATACTGATGGACTCT	13843
ATAAGTTTAATGCAGGCCATGATGACAGTATTTCTGAGTCCTGCTCTGCCAAGATAGCTCAAAGGATGGAGGA	13844
GCCCTGGTTTCCAGCAGGTGACAAAACCAAGATTCTAACTTGGTTGACCCTATAGCCCAGGCTTTTCTTG	13845
ATCCTCTTCCACAGCACCTTATGGTACATTGCCAATAAGAGTAAGATGGAGTGGCAGTAAGATGGGTGGAGA	13846
GAAACTGATTTTTGTTTGGCCTCTATGCCCCATGACATGAATTGTCAAATACCCCAAGGGGTGGTAAAATAAAA	13847
TCCTAGCTAGAGCCCTCTGAGATGAGTAACGCTTTCTCAGAGGCTTAACAATCCTCCTCCACTCCCTTTGTT	13848
CTTCATTCATTTAACAAACACATGTTTTATACCTGCTGTGTGCTGGTCACTGGGGAAACTGTTAAAAGTTGGAG	13849
CAACCCCCAGGTAATCCCATAGTGGCAGCAGTAACAACAATGGCAACAGCAGCCTGGAGAGCACCGAAATAC	13850
GCAGAACAGAGACAGTGCCAGTCTGAAGCCTGCGGCCCTCCAGGAACGGTGCCTCCTCTGTACTCAGCAGT	13851
GGGTCATCCTTGTGAGTGGAAAGAACAGACAGTGGTATGGGAGCTGGCGAGCTCAGGGAGGAAATCTAAGC	13852
AAGGGTAATAATTTTGAATAATGCTCTGTCCTAGGCATTTTTCACACATTATTACTTTTGATCCTCACAAT	13853
TGAAGAGATTTACAGGGACTGGGATGCAGACTCTGTATATTTTTCTCTTCTCTTATTTCAATTACTATGTTTAA	13854
AAATGCAACAGTTACAAAACTACCATGTAGTAGTTTTAAGCATTATTATTTGGATGGTGGGTTGCCTCAT	13855
AAATCTTCAACCTCAAAGTTTATCCTCAGCTACAACTGGGATAATGGAAAGATGGGGATTTAGTGACATTTCT	13856

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Table 1. Novel miRNA sequences

CAAAACGCAGCAGGTCTCCATCCACTTGGGTTTCCCCGTCTCCTAGGGCCAACCCCCTACTTTGCACTAG	13857
TTTTTTGAGGCAGGATGTCACTGTCACCCAGGCTGGAGTGGAGTATAGTATGGTGTCATCACGGCTCACTGAA	13858
TAAGCACCAGAGAGAAAGTCACAGTCTCAGAGATGGACGGGCACTGACTTGTTCTCTGACCTCATCAGGCT	13859
CAAGTAAGTCTTGAGAGTGGTCCTGTGCCTCTAAATGAGGATCATGAAAAATGGAACCTGAAGAGGAGACTG	13860
CAATGATTAGTGAGAGATTGGGCCCAAACACTTCAAGCCAGCAAAATCTCCCGCTGAGTTGATGGGTCTCTATG	13861
CAGGTTCTCTGGCCTTTGGACTCTGGGATTTCCACATGCTGTTTCCCAGTTCTCAGGCCTTCAGCCTCAGAC	13862
GTCTCTAGAAAAGTGGGTTGAAGTCAAAGTGCCCCCCCTCATTCTCTAATATTGGGCTGAGCACTATGGTTTAA	13863
GGTATAGGGTATGACAGCCCAGCTTCCTTCCCATAGGGTGGGACAACGCTGAGACCCTACAAACACTCCAGA	13864
TACTGTGTGTGGAGCATTGTACTAGGTGCTGGGATATATAGCAGTGTACAGATCAAACTCCTCAATTTCAT	13865
AGCGATGCCCGCTCGGGCCGCCCGGGGAGGGACTGGGGCCACCCGGGCGGCGGCGGGGGTGTGTCCGGGCGGCG	13866
GCCAGAGATGAGCTTGCCCAGATAATGACTAGAAGGAGCTTATCAAGTCAGCCTAGGAAGCTAAAGAGCTTTG	13867
TGGATGTCCAGTTTTCCCAGAACTATTTATTGAAGAGACTGTCCTTTCCCCAATGAGTGTTCTTGACATCT	13868
AGAGCCACCAGGCTAGACTCTTAGCTGCGAGGTAATGTGCGTGTCCCTTCAAAGAGGAGCTATGCCAGGCCT	13869
AATTCCTGAGGGTGAAAGTGATCTTAGAGAGAATCTAAGCCAACATTTCAACTCATATTTAAACCTGTTG	13870
AACGCTAGGCTGAGGAAGTAGAGTGGAAGGCACTGAGAACCCCTATTCACAGCTTAGAAGTTGGCGTTTTAT	13871
AACTCTGAGGTAGTGGTTTGTAAAGTCACCAGGGCATACACAAAGCCCCTGGATGAACTTGGTACATCATCCT	13872
TTAATGGTTTAAAAAATGAAGTTGTCTGGGCGTGGTGGCTCATGCCTGTAATCCCAGCATTTTGGGAAGCTGA	13873
TTTCTCAAATGGGTTCCCTCCTCTGAGCTGAAGAGTCATCAGAGGGGATCAGGTGAGGTGACCTATGAGGAA	13874
GAGGGTGAGTGCCCGAGCCATATAGCAGGCACGTCCGGGTCCTCACTGTCCTTCCACTCAACAGTCATCAAC	13875
GTGAGCAGAGGAACTGGGATCTGATCTGGGTTTGTTTTGTGCCCCCCACCCCCACCCCACGTCACCTACACACA	13876
ACCTACATTTCCCAACCCCCTAAATTAGCTATGTAAGTACCTGGGCCTCTGTGGAATATTGGGTAATCAT	13877
GCATCTGTCAGTTCACTGGTATCCTTGAGCTAAACAGGGGGTCTCAGGATGTCCAAATCTGTGGAAGCTTCT	13878
TAGCTACATTAGTCTGCACATGGCTTCTAGAGAGGTGGCACATGCACCCCATGAGAGATGCCACTTTAGGCC	13879
CAGACTAGGGATCATACACTATAGTGGTGTTACTTACACTGAAGAGGTTCGGACACCTTGGTCTTGTGAGGCT	13880
TTTCACAAACAGAGGTGAAAGTAATCTGAAGCGAAACAACAAAGCTTCAGGCATCACATTACCCAACTCTCAGT	13881
GAGAAGCGAGAGGGTGGGGAGGAGGGTGGATCTCGGCCCCGAGAAGGGAGGGCGCTGCCGGGGCCTCGCGTGCG	13882
ATCCGCATCCACACCCTGCTGCACAGCATGCCCTCCGCCCAGGGCGGCAGCGCGGCAGAGGAGGAGGACGGCG	13883
AGCCTGGGGGGAGTGGGGGGGTGTGGCCTGGGCACACGTGTGTTCTTGAGGAGGTAGGTGAGGCTCCAGGC	13884
CCTCCTCCAGCAGCTAGACAAAAGACACCCCCCACCAGGAGGCCATATTTGCATGTGGGTGAAAGAGAGGCA	13885
GCCTCCCGCTTGCTGCATCACGTCTGCTGTGTGGAGCTTGGCACACTGCTTTGAGCGTGTGGATGCAGAGAGGG	13886
GAACAAGGCCTCAGGGAAATAACAAAAGATCTAATATTAATGTCATTGGAGTCCCTGATGAAGGCAGAAGGA	13887

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Table 1. Novel miRNA sequences

TATAAAAGGGGCGGGAGGCCAGGCTCGTGCCGTTTTGCAGACGCCACCGCCGAGGAAAACCGTGTACTATTA	13888
GGGAGCTCCCTGAGACAAGCACAGTGTCTCACAGACTCTGTGCTCCCCATGAGACAGGAGCTCCCTGGGTAGC	13889
AATATTTGTATAGTATGAGGTAGTAGGTTTCTGTTTTCATATGAATATTCAGACACTGAGCGTCATTTAT	13890
GGAGCCCTAAAATTTTTTGGCAATGGTAATAGTGACCAAGATCTTGGGCTATTTTTGTTTCTTTACCCTCTC	13891
TCCACCTCTGAAGTGGTCCAGTGGGCCCAGGGGCTTTTCTCTGCCCCTCCACAATGTGCCCAGCAGGGGCTGC	13892
GGCAGCCCTATGGCTGGTTTATGGGGCCCTGGAGAGCTGTGGAACAAGTGAGGGCGTGGTCAGGCTGCATTTG	13893
CTGGGCAAACCCTTCTCTCCCCGGAGTCTCATTATTTTCAGTCTATAGTAGGGCAGTAGTGGGTAAGACGCC	13894
ATGTTTCAAGTGTGATGGGTGTTTGATTTGACCTGGAGCTCAGTTCAGCAGAGGTGAAGGACCCACTCACAGGA	13895
TCAAAAGGAAGTGAAATTCATTGAAATACCACTACAGCTACATTGTATGCTGCTGGTATACTCATATTCACAG	13896
AATTGAGTTTTGTACCAGTCAAGACAGGTTAGAATATGCTGCTGCTGCAGTAACCAACGATTACAAATTCAC	13897
AAATTTTCTGGCTTCTCCCCAGAGAAATAACTTGGTCAAAACACTCAGGAAGGGGTAAGCCAAAACATCAAC	13898
TATAAATCCCAGTCTGAGGGCCAGGGAAGATGAGATGAGATGGGATGTTTCCGCTCATGCTGGCAGAAGAA	13899
GGATGCTTTTACCATGTAAGTTAGATCATGTCACTCCCCTGCTTGACACCATCTGACGGTTTAGGAGAGAATCC	13900
TGCTGGTGCCTTGATCTTGTACTTCCCAACCCTAGAACCTTGGGAAGTATATTTCTGTTGTTTATAAGCC	13901
TCTGTGAGCTTTGGTGTCTTCACTTGCAGAGTGGCTAATACTGCCTGCATTTATGACTGTCGCCAGAATGAAGA	13902
GGCTCAGACCTGTGATCCTAGCACTTTGGGAGGCTGAGGCGGGTGGATCGCTTGAGGTCAGGAGTTTGAGCC	13903
TTCTAAGCATCTTCAGTGGTCCAGTCATGAGTAATCAAGACTTCATACTGCAATGTCAAATGTTTGTTCCAC	13904
GAATTTGGATTTTTGGAGCAGGAACAGATCTCAGAAGCTCTGAACACAGTCTACGCTATCAGGAATGCAT	13905
ATGTATGCTATGTGTCACTTAATGACTAGGATTCATTCTGAGAAATGCATCATTAGGTGATATCATCATTAT	13906
ACGTTGTAGTTTTCATCATCTTGCTCCTCTGTGTGGTAACTGGGGAAACCTCCCCTAGGCTACAAATAAGGGC	13907
TCCCCTGTGACCCAGGCAAGCTCTTAATCTCTGTGATGAGAAAGAAGGGCTCATACCTTTCAGGGGTCAT	13908
CCTATTGTTAGGACTGGAACTGGAGAGAGAAGCAGAGTGACATTGAGGAGTCTCAAAACCTCCACAGGAGCC	13909
AGCGACAGAGGCTCTACATAGAGGCTTCAAAATCTGTCTCTAACCTAGCTTGCTGAGTGTCTGGGAGTTTTCT	13910
GGGGCCTCGGGGCCACCGCGCGCCAGGCGAACGCGCTAGCACGAAAAGCGGGCCAACGCCGCCTCTGGGG	13911
AGAACGTCCTTGCTGTAAGGTTTGCTGTGCAAAGACACTGGACTTGGAGTTGAGGAAACATCTGAAATCAT	13912
TTGATCCCCTATGCTCAGGCCCGCTCCCACATTGTGGAGTGTGCTTTCATTTTCAATAAAACCCTTCCCTC	13913
CCTGCTTTAGGCATGCTGGCTACTTCTGTCCCCCACTGCACTGTGGCCAGCTCTCATCTCCCAGCTTTATGCAG	13914
TTGGGGGACTGTGGCTTCTAACAGAAAGTGGGGTAGCACTGCCATTAGGGATTGAACTGTGGGCCCTAAAAA	13915
TTGTGTACTTGTTTGCTAGAGGAAGTAAATCAGGTAGAACCATAGCATGCTGTATACTGTTAATTGGACTA	13916
ATGCAGCAGAGCTGGCCGAGTGGGCAAAGTAGCTCCAGAGTGGACAGCTGCATGGTTCAAAGATGTCAGT	13917
GGAACAAAATGACTCCGACAACAAAAGCATCAGGATGGGCCATTATAGCCCAAGCTAAGATCCAGGCAGTCA	13918

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Table 1. Novel miRNA sequences

ACATTGTCAGCTTCAGTGATCAAATCAGCTTTCATCCGGCTGGATCTAAGAGAGGCAGCATTTGACACAGC	13919
ATTCAAAGACATTGCCAGGGATTCAAGAAATTTAGAACAGTTGGTTCCTTGACAGAAAATGAGGCCATGTCA	13920
ACTTGTCTCGAATCTGGGTATAATACTGATAGTGTATATTTGCATTGAAAGCCAGGTAGGGCTTGTTATATT	13921
AAATATATTAAAGATGAGTATTTGAATAGAGGGCCAAACCACACATGGTATACTTCTGGCAGAATGGTTAATGA	13922
AATAGTCATACAGGGCTCCCTTCCCACCATGGTCCAGGAAGCAACTGACTCCAGGGGCCTGAGAATGGTA	13923
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AGATGATGCAAGAAGATGCACGAAGGCTGGCGGCACCTATGAATGTGAGCTCTCAGCTCCTTACTTTCCT	13925
AGATTCCGGGGCCTCGTCCTCACTCTGGTCTCCGAAGAGATCAGGGTGGCTCAAGACCCGCTTCTTCAGCTTG	13926
GCAACGGTGGGCCCGGACGAGGGGGAGGCGGCGCCCCTGGCGAGGAGCAGCATTGCCACCGCAGCCAGCCACGCGCA	13927
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TCCAATGAACCTTTGGCAGAATACTGATGATTCTTTTCTCAGATCTGATTAGCACCATAGGACTGACAGTGG	13936
ACCTCTTGTCCTGCCACTTGTGGGAGTCTGTCTTTTTTCCAACTCCTGAGGCAATAACAGGTCTTTTTCCCA	13937
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AAGTGTTTCCCAAGCCCCTTGAACTGGCAGAGTCAACACAGGCTTTGCAGAAACACTGATGGATCCAAACAA	13944
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TTTTCTTCACAGTGGCTAAGCAGAGCAAGACAACCAAGCCAGCTACTTCTGTTCACGGTGGGGCTCCTCC	13946
CGTGGTAGCTCTTAAAATAAAACCTTTGCAACAGCAGAGATTATATATAATCTCTGTTTTTCTGAGAAACCCT	13947
TTGACTAGGAAATGCTCTTGTTGATATAGGAGTTAAGAAGAAATTATGTAGGCAGGGTAAGGAAGTCCTTGGT	13948
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Table 1. Novel miRNA sequences

CACCTAGCCATCTTCAAACTAGGCACACATGACTCAATTCTGGCCAATGCATTGTAAACTGAAGCCTTTAGGTG	13950
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GGCTAGCAAAGACACCCACGGTGGGGAAACTTGACAATTTATTCCCGGGCCCGGGGGAGGTCACCTGCAGTGCA	13953
ACAGAATCACAGCTAACTTTCGGAGGTATGATAATGGTATGAGATTATGCAGAAAGTGCAGCAGATGAATACTG	13954
GCGGGAGGGGGATCTGAGTGTGATGTTGGGGACATGCCCTTCCTAACGAGGCCAGCCACCCCATGTATTGTTG	13955
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CGCTCACGCAGAAACTCACAAACCTTCATCACTGTTGCTCACTTTCAGCAGCTGTGAAAGACCCGGCGGTGAT	13968
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AGGCTGGGAGTTGCACATGCTGGAGGCTATTGTCTTCACCATAGAGAATGAAGTACTGTTGACTCTGATGCT	13978
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GTGTGCTCTTTCCATTCCTGCAACTGTACATATCGAGGATGTACTTAGAGTAAAGCCTGGATGTTGGGAATG	13980

Table 1. Novel miRNA sequences

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CTGGAACAGGGTTGGGCTAGCCCAGTGTTCAGGTGCTGGCTGTGATGAGTGAAATGGGTTGGTCCCTGGATCA	13983
GCATCATTTCAGAACACTAGCAAGGCGCTGCAGTAGAGATTCTGGTGTTGGCCAGACTGTGGGGGGTCCAGGAAA	13984
ATTGGGCTCTAAACCATAATTTTGACACTAATTAGTGCTACAACACTGGGCGGGTATCCTTAAGGCCTCAGG	13985
CATTTTCTCTTAGATCTATGATATCAGTTATGGATCTAAGTCTCATGCCACTGACACCATTCTAGCTTTGT	13986
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CTGAACTGTTAGTGAAATCCTTATGCAGGAGTTGTGAAAGTATAGTCTAGTGGGGTTTTGGCTGGGAAGTTTA	14004
TCCTGGAGGCTTTGTTTATTTTTTAACTTTTTTTCTTCGTCTTTGATGGATTGGGTTAATTCAAAGGCCGTGTT	14005
TTCCCATCACATTGCTGAACTCCATTGTCTCTTGTTTTTTCAATTTCTTTTTCCTTGTAGGAGAGGGGAAATGAG	14006
AATATATGTATTTGAAATACATTCCCAAAATGGGATCATATTGTATATATGTATTTCTTTAGGCAATTATTTC	14007
CGGCGGCGGCGGCGGCGGCGACTCTGCAGGCGGAGTTTCGCGGCGGCGGCACCAGGGTTACGCCAGCCCCCG	14008
CTGATTTCAAAGGCATTCCAGACTCCAGAGGCGGCATCAGATAGTGACCCGCAAGCTGGGGAGAAAAACATTGA	14009
TATAAGGCCAGTTTTCCCAAAAATCTTTTATTGGCTCTTTAGGGCAAGTTTGATTCTTTAAAGGAAAGCATG	14010
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Table 1. Novel miRNA sequences

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AAGACTTAAGCCCAGTTGTCACAGTTGGGTATTATTTCAGACTTGGACTGATAGGGTAATTTGATGGGCCAA	14016
CTGGTTATGCCAGCAGTAAAGTTGTCACGTGGACACACTGAGAACCACTGGTTTGCTGGGATTTTGCAGGCAG	14017
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CAGAGACTCTTGTGATTACACTGGGCCCATGCAGATAGTGATAATCCAGGATAACCTTCCCATCTGAAGATC	14023
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CCCCCTCCTCCCCCAGGAGCCGGTAGGCCAGCAGAGGTGAGCTCTCGCTGGCCATGGCTGAGCACAGGTAGA	14035
GTGTGTGTGAGAGAATGTGTCACTGCTAGTGAATCATCACTGGTTTGACTTAATCCAGCTCCAACTCCTTTG	14036
ACTTCTTCCGTTTGTGAATTCGCTTTGTAGGGGAGGACTTCTTCCTGAAGATGTAGATATGATGTGGTTAAGT	14037
CATGTTCTACAATCCTCTGGGGCTGGTCTCCACTGTCCAGACGGCTTGAAGGATCAGGGAAAGCCTTACCCC	14038
CAATGGGATCCATTGGTCCTATCAACAACTACATGAGCTGGACACAGTCAGCCTGGATGACCATTGAAATGG	14039
ATGAACGTTCTCGTGCCTCCACTGCCTGGGTCTTCAGTTTCACTTCCCAGCCCTGCGGGGTACAGGAAAC	14040
AAGCAGTATAATTAGCTAGTCAACTGCACTGTACTTGCTACAGCACAGAAGATAATGCTACCAATAGCTTCGAT	14041
TTTTCCAATTTTAGTATCTGTGCTGCTGAAGTAAGCACTAGTTAACTTTTATGGGGTGCTTACTATGTGCCA	14042

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Table 1. Novel miRNA sequences

TAAATGAGGTCAAAAGGGTGAGGCTCTAATCCAGTAGAACTGGCGCCCTTTTAAGAAGAGAAAGAAACAC	14043
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TCAAAAGGTGAAGCTAAACCAGTTATAAGGCCAGGAAGAAGAATATAGCGGTTTGGCCTGTTACCCAGTA	14045
ATATATGAATATTTGCTTAGCTGTATTTTTATGTACATAGGCATTGCTTTCATAATCAGAGGTAAAATTGT	14046
TTTACTAGCTGCTCTGAGCCATTGACTATGATGAACAATGTCCGCAGTCTTCGTGGTTATAGCAGTGCCAGTA	14047
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AAAGGATATTTAATACTCTTCTCTGATACATAAAGTCAGCTTCCAGGAAGTGGGTTCCAGGAGGAGTGTGT	14049
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AAGCACCTGCCCTCAAAAGTGGGGGGCTGAAGGAGACTCCATGCTGTCAAGTGAGTAAGCCAGGTGCTGGCCT	14051
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TAATGAATAGCTTACCATGCAGTCTAATGTTCCATATTGTCACCTGACTTCTGGTAGGGCAGTTTGAGGCAGCA	14065
TTTGGGCAGACACTGAGCTAGCTGGAGGAGTTTTTTTTTTTCATGTCACAGTGGCGCCTGGAACACCAGTG	14066
AGGCTTTTGCAGTAATTCAGACAAACAAGAGATCATGGTGGCTTGAACTGCAATGGTAATGACAGAGGTA	14067
AATATGTCCAGTTTTCCTGACTTGACCCCTAGGTCAAGACCTCCTTGATATGAGGGAACTTTTTACATGTTT	14068
ATACAAATATGTGTAAATCATGCCTTATTACTGAGTTTCACAACTGGGGGTGTGCAACTGATGTGTCTGTATA	14069
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TCCCATTTGGTATAGGAAGGGAGTTGGTTGTTTTCTTATTAGTTAGCTTTAAGAGCTCTTTGTATATTCT	14071
CACTTTGATGATTGCATTGTGTTGACATAGGAGAAATATCCTTGTTTATAGGAGACACAGTAAAGAATTCAGTG	14072
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Table 1. Novel miRNA sequences

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CCCCAACCATCCCCCAGGAGACAGCTCATCACTCTGGCCCATATTCAGCCAGACTCCTGTTAGGTCATTT	14077
CATGTGAGGCCTCGCAGACCACATACAGAGTTTGCATTCTATTCTAAAGGCAATGGTAAATCACTGAAGGCTTT	14078
AGTGCTACTTCTGCACCACTTTTGAGAATAGTGTTATTTCAGTGAATCGATGTGGTGACCATATTGTAATGC	14079
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CCAAATATGGTTGAGGACCTGATGCTGAGTTTTTGCTAGTATTAGGGAACATTATTTAAGCCAAACATCGTAT	14098
CACAAGATCAGATGAACCAGCTTATCCATCTTGGGTGGTGCCAGCTGATCTATCAAGTACAGGGTCTGGAA	14099
CAAATTCCTTAATGCTCTTGTGGTCATTGCTTCATTTGAAGCCATTTGGCTTAGGCATTTTCTGCCAGTT	14100
CATAGATTCTTGCTGGGATCACCTATTTCTTGGATACTACATTGCCAGGGATCCTGGATCTCTTCCTTCTTA	14101
CGGAGGGAGAGGGTAGTTTATGGGGTAAATCGCTGCCACCACCATCTGCTAGGGCTTGTCCCTGCTCCCCCTG	14102
ATTTTTCTGTAGTAATGGGTCTCACTTTGTTGACCTAGCTGGTCTTGAAATCCTGGCCCCGAGAGATCTTGC	14103
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Table 1. Novel miRNA sequences

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CACCAGGCCCAGTGCTAAATGCTCAAAGCGTCCTCTCCCTTGGATGTCGAGACTCTCATTATGCCCTTTTTA	14131
GAGCCTCGGGCCACCAAGAGATGGAACCTGGAACAGATTGTGCTGCCACCGATCCTTGGTGCCTGCAGAGGAGC	14132
GTAATTGCTATTGAAGCCTTGCTATCCCCTGAGCTAGCTCAAGTGTGAGTCAATAACAGCTACAGACAGTAG	14133
GCTTGAACCTGGGAGGCGGAGGTTGCAGTGAGCTGAGATCACACAACTGCGCTACAGCCTGGGCGAAAGA	14134
AGCATAGAAGCATTAGGCTCTATCATCTAACCTAGGTATGTAGTAGGCTAAACCATCTGGGTTTGTGTGAGTGT	14135

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Table 1. Novel miRNA sequences

TACATTATAGTGCTTTGTAAGATTAAATGAGATATGTTTATAAGTGTACAGTACTGTGATGATAGCAAAAT	14136
GGCTATTCCATTTTAGTTGTAATTGATCCTCAGGAAATCCTTCTTTCCAGGTTTTTATTGGGACTAGATC	14137
AGCCAACAGCTGCCGCGATCCAGCCGTACTCGTCCACTCCTGTGCGGCAGCACCGGGCTGCTTGTGGGCAG	14138
AGGTTTGTGGCTGAGATGAGAACTTCGTGACTAGGCAAGCCGGGTCCAGAAAGTGACCCTTGGTTTTGAGCCT	14139
AGGCACTTGCAGTGATGCAGGTTCGAGGTAGGGAAATCCCTGGTGCCTGCCCCCGACTGCAGCCTTCCTC	14140
TTATCCAGGAATACAGACACTGTAACTGCTGATGAAGAGAAGGACAGGGAGGGAGGGGTGACTGCAGTCACTGG	14141
GTGCTGAGCCTCAGTTGGAGACTGGGAGCAAAGTGTCAAGCTCATTCAGAGCATCCAGAATAAATGCAAGCAAT	14142
TAATAATCACAGGTAAGAAAGTCTTTGTTTAAAAAACAAGCCTGGGCCGGGCGCGGTGGCTCACGCCTGT	14143
GATGACTATGAAAGCCCCAGCAAGGCTCCAGCACGTAGCAGGTGCTTGATGTGCATTGGGCACATGGTGAT	14144
AATTTTAATGGTGTTTGTGCCTGGATTTCTGTTAAAAGTCACAGGGTTATAATGCCGAGGTTGTGAGTATTAA	14145
TATTGGGTTATTTGATCTCTTATTGAGTTGTGTTTTGTATATGATTTATACTGAAGATATATCCTTCCAGTCT	14146
CCTCAGCCCCAGCCCTGCAGAAGTATTCCCTGGGTCTTTCAGGGAGTCCTCAAAAGGGTCCCCGACATCTGTT	14147
GAATTCAGGCTAAGGCAGGGGAATAAAGAATGTAGTAAGATATTTTCCCTGTCCTCCAAGAGCTTCCCCT	14148
CCCTACTTATGTGATGGAGCCCCCCACCAAAATATCTGAATGCCTAGGCTCAGGTGTGTTCCCTGGTTGGCA	14149
AGGAAGAATGGGTTAAAGCAGTGATGAGTCAGGAGGACAACCACCAAGTCACCAGGCCCAGCATACAAGG	14150
CAGGAAGCAGCACCAGCCAGGAAAGGGATCAACAGGGTTTGGACTCAAAATCCCTGGGGTCCAGGGCCAGTTCT	14151
GGTTTCATGCAATCATCATTATTATGCCAGGCACTGTGCCTGGCAAGGAGAATATTAACATGAACAAGACTA	14152
CAGAGCAAGGGCGACTCGGCTGTGTATCTCTGTGCCAGAAGCTTAGCCACAGTGTGGCACAGTCGTGTCCTT	14153
CAGAGCAGGGGGACTCAGCTGTGTATCTCTGTGCCAGCAGCTTAGCCACAGCGTGGCACAGTCGCCTCCTTTCT	14154
CCTGGGTCTTGTCGATACCAGAACATATTTTCATGGTCCATATCCTGGACACATTCCAGAAAAACTTTCTCT	14155
AGTTGGATTCTCCTTGCCACTGTCCACTGAAACTGTTCCAGCCAAGCTGATCAGTTTTCACATGCAAACTGACT	14156
CCTTGGGGGTGGGGGGATAGAGGCATGGAATAGGTGCTCTGACCTCTGACCCTCTAGCCCAGGGAGAAGGTGA	14157
GGGTGGGGTAGGGTGGAGCAGAGCAGGGGCCTTCCGGTCCAGTGCCCCTCACCCTTCCTTCTTCCCAGGACTGC	14158
TGGCTGCTGGAGCTTTCACAGTTCACTGGGCGTTTCTATCAGTCAAGTCTCAAGACAGCCTCACACACATGC	14159
GAGATTTATCTGTTTTCTCCCAACCCTTGATGGATGAACACATGCAGTGAAAGAAGGGAGACAGGATGCAGGTG	14160
ATCCAGGTCACACTGATGCAAGAGGTGGCTTTTCATGGTCTTTGGCAGCTCTGCCCCTGTGGCTTGGCAGGGTA	14161
TGTTCATGTGCTATAGGCCAGTGGTTCTCAAATTTAGCATGCATCAGAATTACCTGGAGGGCCCTAGCCCAGC	14162
GCAAAAATAGCCAGTTGACTCTTGTTTCCTTGAGTGTCCAGTGGGAAACTGAAGCTGAATCAAGGATTGGA	14163
ATTTAAGCAGCATTGTACAGTATACTACAATCAGTAACTGTGGCACATATGCTGTTGAGCCCTGAAATTGT	14164
CAAGAGTGCTGGAGTTGACCAGCTGAGTCAGCAGCAGTGGAATCGAACTCCACTCACTCGGACCCACTGTGTC	14165
AACATCAGGATGTGGTAAGAATATGAGTTGATGTTGAGATAATTTGGCTTGTTTGGGCCAGGATTTGATTGTT	14166

Table 1. Novel miRNA sequences

ATTTCTTTATAGATCTGGGTGGCTGTTACACTGTTATGTTCATTGTGTGATAATTCCTGATACTAGCTAT	14167
GCAAGACGTCACTTTATTATGAATTGTCTAGAGAGGAAACAGAGGAGGCCCTAGGCAATTTACTGACTTGC	14168
ATGACAGCTTGCCTGGGGCTGGGCAGTCTGTGATGTCCATGTCCTTCCACACAAGTCTGATGGTTAGTCTGTT	14169
CTTTCCTGACATGAGACAGAAAGGACACTTGAACACACAATGAAATCCTTGTGGAGACAGGCAGAGTTGGGAG	14170
TATTGGTGATATTACTGTTTCAAATGGCCCCCAAGCGCAGTGTTGAGTGTCGTCCAGTGTTCCTAAGCACAAG	14171
GGTTTTGTGGGTGCTTTGGGGATGGCTAATAAACATGAGAGGACATACCTGGTTGATCCTGACAGTAGCAAAA	14172
GCTGGAGCTGCTATAACAAGGTATCACGCTGTGTGGCTTAAAACAGCACGATTTCATTGTGTTACAGTTCTA	14173
CGTGCCTTTGTGTTTCGGCTGGTCCGAGTGCAGTGGTGTTTACAACTAATTGATCACAACCAGTTACAGATTTC	14174
TGCGGCGAGTGCAAAAAGACCTTTTCTCAGCAGTCGCGGCTCACGCAGCACCTGAAGGTCCACACCACGG	14175
CCAACATGGCGAAACCCCCTCTCTACTAAAAATACAAAAATTAGCCGGGGGTGTTGGCGCATGCCTGTAA	14176
TTCATCCTGCTCAGTCACCACCTTGTGATGCTTGGGGCTGTTTAGTAGGATGGATGATGTGTTTTTCTTT	14177
TTGTAAGAATGAAACGCATATGCATGTGTGAACTACAAATATTGTTTACTTGTGTGGAATCATGTGATTTCA	14178
GGAAACATACTGATGATGTCTGAGCTTCCCAGTGCCTCAGAAAGGGGGACAAAAGACACTGGGTTCAGAGA	14179
CCATTGTGAATAATGCTGCAATGAGCATTATTATAGAAATATCTGCACTCCCAGGCTCACTGCAACATTATT	14180
GGATAAACTGTAGTGTGTGTGTGTGTGTGTGTGCGCGCGCGTGTGTGTGTATGATGGAATACTATGCAGCCAT	14181
CCTCTCGGCACACGGAGGAAATCACTCAGACTTCAGAAATCAGGAAGCTCAGGGTGGGCCCCATGGTTATGG	14182
TATGGAAACAGAAAGCCCAGTGTGACTCAGCAGTGCCAAGGCTGCCAAGAGAGCTGGCGGTGGCCCGGCC	14183
CCTATAGCCTTCCGTATGTCTTAGCGTCTGCTGAGGCAAATCCTCTCTCTTCATTCTGTTTTTTAAAGGCTGA	14184
TCTTACACATATATCCATGCATGCATGCACACACATACACATATATACATGCATGCATGCACAGTCACACA	14185
GGATCTAGGATCCACCTGCCAAGGCCCATTAGGCTGTATGGTCCAGGAAGGTGGGGACCAGAGCCAGCTTCTTT	14186
AGCTGGCTCGGGCTGAATGGAGGGCTGATCGGGAGGGGCCGGGAGGGCGCTCCCGCTCTCCCACCCCTCTAGT	14187
ATTTCAGGCATGTGTGAGTCAAACAGAAAGACCCCAGCAGTGAGGAGTTTTTTGTGCCCCACCTCTGTGCT	14188
AAACCTACCTTTAGCTCTTGTTGGGGGCTGGTGACGTAGCAGGAAACCTAGGTTGGACCTACAGGTAAGT	14189
GCCTCCCACAATGCTGGGATTACAAGTGTGAGCCACCATGCTTGGCCCTCATTCTCTAATATCCCTTTTG	14190
CCCTGAGCCTCTGGGGGGGCTTAGGAGGTGTCCCCTCCCGGGTTTCGGCACCAATGAAAGGCAATGGAAGGG	14191
CTTCCTCAGCACCCACTGGGATGGGCACAGCGTTATGTCAGGACATTCGCCATCCCTGGGGCTGGTCCCTGA	14192
CCTCTCTGCTTGCTGCTGGCTTTGGGGTTGGGATCTGCTTCCCACTCTCCTGCATCTGACGTGCTCTTCCAT	14193
AATCTTCAGGATGGTTTTGTCATTTATAGCTTGATTTTTTTTTCTTAGCTTCAGTCTTTGCAACCAGCCAGAGA	14194
GCGGGGCTGCAGAGCCAGAGCTCGGGGTCACCTGTGCCCCCTGAGTCCCCGGCATCTCAGTGGTGACTTT	14195
GCGGGTCTGGACGCGAGCTGGGCATCCGACCGCACCGCGGCGGGACGGGGAGCGCGGCCGCCTGGAGCTGC	14196
CCCGCCCCACCCCTGCTCCCCGCGCCCCTTCGTTTCGGCCTTTGTCTACAGGCCGGGTCGGAACGTCAGCCCC	14197

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Table 1. Novel miRNA sequences

TCATTAAATCGATAGCCCGGGTGGTCCATCACACTGACAGCTGACGCGCGCAGGAAGGTCGGTTCACAAT	14198
CCAGCCTGATACATTCTTCCAGCAACTCAAACAAACTGAGACATGAAAGCAGTGTTGTCCGTCTGGGGTAG	14199
TAGGTTTTTGCTTTGTGTTTACTGTGAGTCTTACAGAAAACCTAATTGTGCAAATCTATATGGAACTGATAACA	14200
CAGTATAATATTACACAGTATAGCACGGCACAGCACCACAGAGTATAATATGGAATAGTGTAGTGCAGTATAGT	14201
TAATTCCTTGCACTCTGGTGTGCCACATGCACAAGTAGCATGGGATTCAGCAGTCAAAGGAGGCGTCAGAC	14202
ACTCACAGGAGGGGCTGCACCACCCTGGGGCGTTTTCAGGAACATTGGCTCACCCTCTATCAGTGTCAGTGAT	14203
TACAAAAGGAATGTTTCTGTTCAACAGGCCCCATGCGGCTGTGCAGACAACTGGGGGGCTTCCCAGGAGCAG	14204
TAATTTTCAAGTAATCCTTTAGAGATCTATCTATGATTCTCACTTGGAGTTTTACGTTATTTGGAAAAGTAA	14205
AGTGGTGCATCTTGGGGGAGACACCAGGCCTGGTGCTTCTTTCTAAGCTTTGGTTTCCACGTTTGTAAAATG	14206
CTCTGTCTTGAAGCGAGACCGTTACCATGACTGGCGCCGGGCGCCCACATACTGAGGTGTTTCTGTAGCACAGA	14207
GCGGCTTTCTTTTGCGGCAGCCCGTGAGCTCGGCCACCAGGGAACTAGCTGGCAGCTCACGCGGGTGGAAGGC	14208
GCCAGGCCAGAGTGAGAACGCGTCGTCTATTGTTCAAAGATAAGAAACGCTGCAGCATGAAGATGGCCGGTG	14209
AGTTCGGGTCTAGGGAGCTCGCCCAAGTTTGTGTAGAATGAAGCACGTCTCCTCGTGGGGCCGTGGGAATATGA	14210
ACTGTCTCGAGACACTAGCTTGCACCTTTGCAACTGCTTGTAATATTCAGACAGGGCACTGAAGACGAAGC	14211
GCTTCAGGGGCATTGGTGGGAGTGTGGAACGGAAAATTTAAACATCAGAAACTCCATTAGGGGACGTTGATGCA	14212
CACAGCAAGAGCTGGGAGTCGATGCAGTAGGAGCCTGTGAAGGGCTGGGCTTTCTGTTTTTTGTTGCCTGA	14213
TACTTTTGTAATCCCTGTAACTGGTTTTTAATGGTCCCGTGGATCATTTTGATGAAGTTGATATTCCAGTTG	14214
AAGAAAGCATAATGAAAACCATCATATTAGTATTTCCACATCTGCTGTTGGTGTGGTTATCACTAATTCCA	14215
CAGGAGGTGAGCAGAGGGCAGGCAGGCATTACTGCCTGAGCTCTGCCTCCTGTCAGGTCAGCAGCAGCAT	14216
ATCATCCCAGTGTTCAGGTGTGGACGCCAAGGCTGAGCATATTGAGGTAGCCTGTCCACGCAGGTGGCGGGA	14217
CAGTTCCGCCCGTCCCCGCCCCGCCCCGGCCCTTCCGCCGCCCCGCCCCGGGCCACCCCACCTCGGCGCCA	14218
GAGCAGGTCTGGCGGGCCCTGAGGCAGGGCAGGCACCACCCCGCGCCCTCTGGGAACCCACGGTCTGCAC	14219
CATCCTCAAGTCACGTCATGATTTCCTTGCTGTGTGCGGGATGTTATTAGCTGTTTTGCGGGTGTCATACTC	14220
CAGACTTGTTGGCCTCATTCTGACAACTGTGAAACACACCCTCCAATCACATGCTCAGGGCGCCATGCCAAC	14221
TTTGCTGTCTCAAACTCTGCATCCACTCGGGCCCTCCACTGTAGGTTCCTGGCCCAGCACTTAGAGGCTTAC	14222
GTGCGCACCTGTAGTGGATGTGGTGGTTGCACACCGGTAGTCCCAAGTACTCGGGAGGCTGAGGCAGGAG	14223
GAGGAGCCCGGGGAGCCCGCGCCCGTACCCCCGGGGTTCGGGGCGGTGTACGGGGAGCCGGACCTGGTGCT	14224
GACGGCTGTGTGGAGATAGCCATGGCAGAGTCCAGCCTCTGGGCCCGGAAGAGTCACTGCAGCTACTCCTT	14225
TAGGTCCCGCAGAACTCCCTGAGACACTAGCTACACTGCAGCTTAAGTAGGCGGGTCCGGGATCCAGCACCC	14226
GGGTCTCCTAGGGTGGAAGGTATTTTCTCAGGCCCCTCATTCCCCTCATCTTCCACCAATACCAGAAACACCA	14227
TCATTGTCCTTCACAGGGAGCTGCCCTGGGGGCCAAGCAGCCCCTTGCATGGCTGTGCTGACCTGGTCTCATC	14228

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Table 1. Novel miRNA sequences

AATAAATAAAACTGTGGTTAAAAATACATGGCAAGAGATCTAGCCTCTAAACCAAATTGTAGGTACAGGATTGT	14229
CACGGGATTATGGGCATGATAAAGGAAGTTGATAATAATAATTCTATTATTAACGATTATGGTGATAATTTGTG	14230
CAGGTAGACATAAGTTGAAAAGGCTGTGGAGGTTTTGTTAGCCCTGTTAACAAATGTGACCTACTTGAACCA	14231
TAGTTACGCATCCAGTGGAGCCAGGAGGGAAAAATCAGACATCAGTAACCCACTTGATGATACTGCACAT	14232
TCAGCTTACCTGAGTATTATTTTGTTTCATAAGCAAGGATTTCACAAAGTAATACCCAGTGTCTGCAAAT	14233
GCCAAAAAGAGACAAAACATTTTTCCAGTGGCTCTTATACAACTTTAGGGGATTGGATTGTTTGTTACTCC	14234
TTGCCTTTAGCATGCCCCGTGCTTTTTCTCGTTTTCTTTTTGGTAAAAGGCTGACATGTATTGGTTAATAAA	14235
TTCAGTGAGGTAGTAGTTTGTTAAACAGAGAAAATAATGATTATGTAACATGTCATGCCTTACTTCTATA	14236
CAAGTCTTTGCTTTGTAGCTTAGCTCTGCGATGCCAGTCCTTTTTTTCCGAGAGCAAGTGAGTTGGAAAGGGGC	14237
ATTCTTCTAGAATGGATGGAGGTAGAAATACTTCCCAGCTCATTCAATGATGCCAGCACTAATCTATTGCCAA	14238
GTATCTATGAACACTGCCTGAAGCCCCAGAGAAGGACCCTGAGTATCTATGAACACTGCCTGGGGCCCCACGCA	14239
TCCGTCCACAGGGATCTGGGACAATGGCTGAAAGATCATGGTGCTTTTAGTCACTAGATAGATGGACGGCT	14240
CAGACCTCTTTGTAAGGAGGCGATGCATGTTTGCATACGTTGGATTGTAGTGGGTACTCAAGGGACCAGA	14241
ATAATTTCACTGTTTTCAGGGAAAAAAGGCTTTTCAGCTACATTAGAGTATGGCCATTTTTTTTCCACATTAGT	14242
GGGTGTCACACTTGCCTGGATTAAGGGGTATCCTGGATTGAGGGGTACCGCACCCGGCCCGGACACCCTAGTCG	14243
ACGAAAGGCTTTTTCTTGTCTTCAGATGAAGCCCTGTCTTGCTGTTTTGATTTGTTGGTTGAGCCGTTAGTTCC	14244
AGGGGCGATGTTGTCTGAAGCCATGGCCATTCCCATGGGGATGGCCTTCCCAGGTGGCCACCCACGACGGGA	14245
CCGACTCCCCATTGGTCATGGCTGATTTGCTTTATCCTGCGACCCCAAGGGGCAACGATTACCTGATTTTA	14246
GCAGGTGCAGAGTACCAGTTAAGACCAGTTAGGAGGCTGCTGTAGCCTAGCTGAGATAGCGGTGTCCTAGGCA	14247
GGACCAGTGGGGCTACTTCGAGGCCCAGCCCGTGCTGGTGGCGCGGGCACTCATGGTCACCTCGCTGGCCGC	14248
GCTCTGCAGGGCGCAGGCGTCGCGTGTCGCCGAGGGGCGCGGCAGGGGCCGGCGGCTGGGGCTCCCTCGCGGG	14249
AATTGTTTGTGTATTTTTAGTAGAGACAGGGTTTCGCCAGGTTGGCGAGACTGGTCTCGAACTCTTGACC	14250
CATCCAGGGATGATGCCACGTGAGACATTGGAAACAGAGGTCTGGGGCTGAAGGGAGGGTCCAGCCTGGGGGG	14251
CTCCCTCCTTTGATTTAGCTCATTTCTGGAATGGGGCAGATTTTCATCTCAGGGAGTTGATACGGTTTCCTAG	14252
GGACCCAGCTCTGTGGGGAAGGCCTGGTAAGCTCTGGCCTCACCTGGAACTGGGAGGGTCCATAGGGATAAAG	14253
CAAATTTGGCTCATAGGTCATAGTTTGCTGACCTTTGCTCTAAAAATACGACTCTTAGGCCAAATTCAGC	14254
TTAACAGAGAAGCACAGTCAGATGTGCCAATCCCCCAACTGCCCACCTCTGATGAGCCAGCTGTGAGCCGCAA	14255
CTAGAATAAATGCAAGTAATTATGACTGCATTAGTGCAGCATTAATTAACATTGCTAATTCTTTGTAATT	14256
GATAGAATTATGGGCTGCTGAGGCTAACGGGTCAGTTGGAGGGCAACTGAGCCTCCATTTCCTCCCCCAGTTTC	14257
CGCCTCTGGGAGGAGAGGTTAGCTCTTTCCCAGCTATCACATGATTGAAATGGGAATGTCTGTTCCTAGGTT	14258
AATGGTGAGTACATTTTCTAGCAAGTTCCTTGGGACTCCTGACCAATGTCAGCATGTCCGCAATGCCCCATC	14259

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Table 1. Novel miRNA sequences

GAGGGCCGAGGGGCCCGACTCTTAGCGGTTGGATCAGTTGGATCGGTTGATCAGTTGAATGGCCTCCTCTCTTT	14260
GGAGGGGTGTTTGACCATGCCCTGGAGCAGACCCCTAGCTGCAGTCTGCAATGGCCCCAGCTCCTGAGCCAT	14261
CTGGCCTCCCTCAGGTCGAGGAGCTCACAGCTCAGGCCCTGACATGGGTATTTTTCTGCATTTGGACCCTGC	14262
TCTGGTCCGTGCACTGCCAGCTCACTTCTCTGGCTAAAACCCGGGGGCGGCGGGGGTGTGTGTGGGGGTTA	14263
GCATCTGCTCGGCTTCTGCTGAGAGCTATTGTTGCTGGGTCAATACATGGCGGGAGGCCAAAGGGGAAGCAA	14264
GGCACTCTAGGCCATGAGGACTTGCCAACTCTTGGCAAGTCCTAGTGTTAAACTAGGTCCAGAGACAGTGGAT	14265
TCAGTGGAAAGATCGGGTACAGGAAGGCATGCAGTTAGCACCATCTGATATGGTTTGGTTGTGTCCCCACCT	14266
TTCATTAGTCATACAAAGGTGGTTTTGGTCCCAAGCAAAAAGGGCATTAGTCTAAGGGAGGGACTATTATTCTT	14267
TAAATCCCCCCGTTCCCCCCTCAAAAAAAAAAAATACTTGAGCAAATTATTTGGAGGGATTTGGATGGAAA	14268
AGTCAGCCTTGAGTCAGACACCAGCTTCTTTGCTTCTCACACAATAGGTAGCTCTACAGGTGGTCTTCTCG	14269
CCCATCTGGCCTATCGATAAAAGGAAAGCTAGAATTCAACAGAAGACCCCTCTCCCCATTTGAGGTCCAATGGA	14270
GGATCTGTGTTCTCTAGCAGCAGGTGCGTCCACGCCTTCCTGGGTTTGGCTAGCATGCTATGTTTGATTCATA	14271
ACGCCAGTACCGTGCTATTTAGGTTACTCCCCTACACTAAACTCTGTAGTATAATTTGAAGTCAGGTAATGTG	14272
GGAAACGTTGACCGCAGGGACTCTGGGATCAGGAGTACCAGGCAAAGCTGGAAGAGGGGATGGGGAATTCCA	14273
GAGTGACCCTTTCCGCTTGGTAGTGACAAAAGTAATCTGAGTAAAGGTCAGCTCAGACACTTAGGATTTAAA	14274
AAAACCTTTGCAGACTTATTTAGACACTTCTGCTGCACTCTGTTCAGTAGCACTGGTTTTCCTTACAGTCTGC	14275
CACTTATGCCCCTCACAAAAAACAACTGAAACTCAATTAGAGTGTCAGAGGGAAAGCATTAAAGTGTAGCA	14276
GCCCTCCGCCCCCGGGGCCCGCCACCGCCGGCCCGCCTGCGCCGCCTTCGCTTTGACGTTACTGGGGGCCGGG	14277
AGTTTTAGCATACACGTGCACAACGTGCAGGTTAGTTACATATGTATACCTGGGCCATGTTGGTGTGCTGCA	14278
AAGCACCAGGCATTTGGCTTCTCTGGGCTTCCACCAGTACCTCGGACATCTGTTGACTTAGAAACTTTTTC	14279
GGCTATGTGCAAATCCATGGTTCAGACTCCAGACTGTGGAATCAAAGTTTCTGGGTATGGAGCCAAGGAATCT	14280
CACATCAACAGTCATTGCCTGGCCCATAGGGACACCACCTCAGGTTTCCTTATCGCTGTGATGGGGACTGGGA	14281
CATTCCTTCTGAATCCTGTTAGCAGCTGGGGCTCTTGCTGTACAAGAAAACAAGGACCCTCTCCTGGCATCC	14282
ATGTATGTGAGCATGTGTACATGTGTGTGCGGTCGTGTGCAGGCTCGCACATGTTCACGTGCACGTGTGAATA	14283
CACCTTGCGCTGGGCTGTCAGCATCATAACCCCCAGTGGGGTCATACAGAGGCTCTGAGCTCAGAGCAGCTCC	14284
CTTAAAAAGGACGATGCATTATTTCTAACCGGGGAATCAACTCGGAAGTTGGGGCCAGAAGGGAAGCACTTTCT	14285
CCTGCCGCGGCGCCTCGCCTCCCGGCTCACCTCCCCACCCCACCTGCCCGCTGCGGCTCTCCGCGGGAGAT	14286
GCCCTGGGGCCGGGGCTTCGAGCTGGCCCGGGTCTGCGCAAGGGCCTGGGCCTGCCCCTCTCTCCAGTGCGGCC	14287
GTAGTTATAGCAGAGCTGGGTTTACGGGAACTTAGTTCTCTTCGGCCCACGCCTCCTCCCCTCCCCAGGT	14288
GGAACTCAATAGGGTGGGACCCAAGCTGGGTCCCAGGCTGGTTTGGGTTTATGTTTGGGTCCAATCAGCAGCCC	14289
GCATCGGGTGCCAGGCCCCCCCAGTAGCCCGGCCGGAAGCTGAGTCGGGGGGTGGTCGGCCATGAATCTTTGC	14290

Table 1. Novel miRNA sequences

TCCCACCCCTGCTCAAAGCCATTGGTCCTTAGTTGATTGGACCATGGTGGGCACTTGACCTGGGGCAGCCAA	14291
GCCAGTCCCGTGCCGTGTGCTCACACTCCTCAGACCTTGGGTGGTCCATGGGATTGGGGCGCCATGGAGCAGGG	14292
CCCAGGCCTGGGTGGAGGTGGCCGCAGAGGGAACAAGCAGCCTCCTCTGCCCTGCTTCTCCCTAGGTTGTT	14293
GTTCCTTCCAAATATGTTTGGGGACCCACTCTGTGTCTGGCTATAGTGGGTCCTCAAACATGGTTGGAAGGAAC	14294
TTTTCTTATTTCATCTTTCCATGCCTGTGTTTGTGAATCTGCACTTCTCAACCACAGTTGGGTTTTGAAAGGAG	14295
TCTCAAACTCCTGAGTTCAAATAATCCTCCTATCTTGGCTTCCCAAAATGCTGGGATTACAGGCATGAGCCA	14296
ATTAAGTGTGCTGCTGTCCCATTGGCCAAGGCATGTCACATGGGCTAGCTTATACTCACAAAGAACTTTCCA	14297
AACTAATATGCTTGTTCTTGCCCAAGTTCAGAACCTACCACAGGGTAGAACAGGAGTCAGGCAAATGAAGAGG	14298
TAGGGTAGCTTATGTCTGAAGCAGGCAGCTGGGCTGCAATGGAAGGACTTAGAATCAGAAGGGCTACTTTCAA	14299
ACAGCAACGGTGAGCTCTTCTACAGCAACGGTGAGCCGGCGCCTAGCAGCCGGCTTCCGGGCCGCACGCGCTG	14300
GCTCCTTTGTTGGCTTATTATGTGCAACTATTGGTTGCATTATTTTAATAATTGCTTTATGGTCTATAGCATCC	14301
GCTGGGCAGGCAGTGGCTCCTCATAGGGGTGGTTCCCTTCCCCCTGCATTGTGTTGGACTGAACCTTGTGTGTT	14302
CCTGCTTAGGGGCTGGAGTACTGTCATGGGCATGCTAAGTGACAGACCATTGCTGCCATCCAGGAGTTCTCCT	14303
AGAGTTATAGAAGGGATGTCAGTGGCGCTGAGCAGTAGCTTTAAGTCCCAGAAAAGCCTTTTCTTACTATGC	14304
CGTCCAGATGGAAGAAACTGAGGCCCAAGGGCAAAGTGATTAGTCCGAGGTCACCCAGTGTCTAGGGGCA	14305
CGTCAGTTTCTTCTCATGTTGCCCCTGGAGCTCCAGGAGACACTGTGGCTTATCAGAAGTCGTGAGAACACTC	14306
GTGTGCTCATGGGTATCCAGGTTCAGGGCTATTTGTGAAAACACCAGCTACATGTCTGGGCCCCATAGGTCAGC	14307
TAATTATCCATGGGCAGGTTGTTCATATTCTAAAATGTTTTGTGGATGGCCATATGTGTCACTTAAGGAAT	14308
CTCAGGTGTGAAGAAACAGAGGTGACAACAGTGCCACTCAACGCTGGCTGCACATTTGACTCACCTGGGAGCTT	14309
TAAATGGCATGGCTTTACCTTATCATCACAGCACACTGAGCGTGTGCTCCTGAGAGCAGGGCCCCTCCACAGT	14310
AATATTAGCAATGTCTGCCATGCATAACATGAGGAGCTACAGTGGAGCCACCTCTGTGCAACTGCACTCTCATT	14311
TGCTAGCTCTCAAATGAAATGTCAGGGCCATATGATAGCAGCATCTGAGGCTAACCCTTCATGATACCACC	14312
TCGCCATGGCTGGCTAATTTTTTTGTCTTTTTAGTAGAGATGGGGTTACACTGTTAGCCAGGATGGTCTC	14313
GAAAAGGCAGCTGCTATACAAGCTAAGATTTTGATGTTCGTAAAGGTCACGCATGGGCTACTGCATCAGT	14314
TTCTATTTCAACTTATATTGCTTGTCATGTCTTCAGCGAGCAAGAAAATAGCTGTCTTGGAAAATTTACC	14315
CTCACCAGATGGCTGCCACTCCCTACCACTTAGTCTCAGCATTTCTTTACAGTGTTATGGGGGAGGTGGGGAA	14316
AGTCAAGCTTCTTTATATATTTGGCAATGAATTTGGAGATTCTTAAGTCCTCCAAAGGTTAGTATATGAA	14317
GCTTCTTGTTGGGCTGCTCTAGTGTTAGGTGTATATATATTTACAACTGCGGTATCCTCTTGCTGAATTT	14318
CGAATGCTTTGTTCAGCAGAGCAGGGAGGGAAAAATAGCTTAAGTCTCTGATGACATTGTTGAGGAACTAAAC	14319
TTCATTTATGGCTTGATTTTATGACATTTTTATAACTGTGACACCCTACATGGGTCCCAGGAATAAACAGAGCT	14320
GTTCATTTTGAGGGAGAAAGAGCAAGTGCAAGGAATTCCCATTTTTAGCACCATGACTAACTAATTCAAAGC	14321

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Table 1. Novel miRNA sequences

AAAGGTGATCATAGTAGCCTGGAATGATCTTTGTATTTCAGTGATGTCAGTTGCAATATCTCCTGTTTCGT	14322
CCAAGGGAAGCTGTGAGGGTCTGAGCCTGAGGAACATCGGCACAGATATTGCACTTGTCCCACGGTCTTTTCA	14323
ATGCCTGTTACTTTGACAGTAGCTCATGGGCCAAAACAAGCTACGAGGCTATGCCTAAGTCCGAGGGGACAA	14324
TCTTATTTGGTAATTGGGTCTTTGCAGATGCTTTATGATGCAGAATATAAAGTATGAGGCCATGCAGGATTACA	14325
GCTCTGTCTAGGCAGCAGGCAAGGTGAACCCACTGGGCAGTTACAGTGGCGTGGGTTCATTTTCTAGACCCT	14326
GAAAAATGAGGTTCAGAAAGGTTAAGTAAACTGCACACAAGTTTGCATAGCTTATCAAGTTGCAAAACTACCATTT	14327
ACTCAGCTACTACATGCCATCCACATAGCTCCCTGGCATGTGTCCATAGATGGCTCACAATATAGAAGTTTGG	14328
TGGTAAGGAAGGCAGCAGATATTTTGAGAGTAATGAACTCTAACATATGCAATATAGCCTAGTCCACATCCA	14329
ACTCTATGTTGGACTCTTTTTTTGGCCACTCTTTTTTGGCCATATCTAGCAGAAGAGAGGGTACTACTCCTA	14330
TCTCAGCCCACTCATTTCACATTGGCTCCTAAGTACCCTAGAGCCATGTTGGAAGGAAAAGTGTTACTAGAAG	14331
TTCCCAGCAGCTAATGTCACCAGCTACTGAAGGTGAAAACTGGGACCTGCAGTTTAGAGAAGGGAAGTTTG	14332
GGGGTGGCTGGAAGGGTGGGGCCTGAAGTCTCCCAAAGGCTCCCTCCTTCACAAGTCTGATGGTCAATGCTGG	14333
AGGATATTTCTAGGGGTCATCAAAAGGGAGGAAACCCTCCTTCTGCCCTATGAATAACTCCCCTTAATTTTATC	14334
AGCATATACTATGGCATATAGTGTGGTCTATAGCATATAGGTTACATAGCATAAGATATGCTATAGCATATAGC	14335
AGAGAATCGCTTAAACCTGGGAGGCGGAGGTTGCAGTGAGCCGAGATCGTGCCATTGAAATCCAGCTTGGGT	14336
GCTGCTGCCGCCCTGGTTCTTCTGATTGCCTGCCATGCTCAGGGTGCACTTGCTATGCAGCCTCCAGAGCCTT	14337
TAAAGGCTTTCCTGAACTCTGTTCGTCTTTCCGTCTCTGATTGTCCCGCAACAGCAGAAAGGAAGACATTTAT	14338
TCTTTGCAGTTCAGCTTGTCCTTAGAGAATAAATTCCACTGAGGACGTACAGTCAAAATAACGTGAGCTA	14339
CTCCGTCCTGGCTCATCCCAGTGGGCGGAGGTCAGGCAAGTTGGTATCCTGCCCCGCCTGCTGGCGGAGGCAG	14340
TCCCACTGATAGTATGCCTTGCCTTCACATCCATTCTGTGCAATGTTGCCCTGGCATATGGCTTACCTGTCTGG	14341
ACTTCTGGAAACTGCCTACATGGTCACAGGTGAATGTGAAGGTGGGTTGTGGAATATGGAGGTGGGGTGCCA	14342
GTTAGATGCTAGTGTTTAGAAGATCTGTGAAGAAACTAATATTTTTACTCAACTAGTCTCCAGGTATCTAAG	14343
TAATCAGAAACTGGGGACAGAAAGTTTACAGCTCACCCAAGTAATCCAGCTTACTAGGTGTCAGTACCAGTA	14344
TCAGTCTTACTCTGCTCAATCGCTAGTTGAAAAAATATCATATTTGATGAGGAGGTGGACGATGGTGAGGA	14345
GCATTTAAGGGAGAGGTTGGAGCCAGGTGAGTAAATTTGTTAGTCATCTGCATAAAGACCAGACTGGGGGGCT	14346
GGGGCTGTTCTGTTTCCTGGGTACCACATGGACCTCAGCTGGCTGAGGGATGGGGTGGGAGAAAAAACTGAG	14347
AGATGTGGGAGTTATTGATCGGGAACAGGGGGGTGAAAACCCATATATAGGTTAGATAGGTGATACAGATGCAG	14348
GATCACCTGGTCCAGGGCTTCCAGCTGTGTTCAGCAGGATGGGGTGGGATAGGATCCTCGGAGTGGGATGG	14349
ATGACTCAGGCTCAGTCCCCTCCATGATGGGCTCCCCACAAGCATGTGGGCAGCCCATGAGGTCAGTGTGCT	14350
TGTAAATATCTGGATATTGGCTTCCCATGAAAAGTCTAAAATCCTGCATTTCTGCATGAGAACAGTTGACCAGA	14351
CGAGAACCATGTTCATGGTAGAGAGTTCATATCTGGCCCCATCCTCCTCTGGCAAGGCTCCTGGTGCTCACAGC	14352

Table 1. Novel miRNA sequences

GGCTCCTCTCGCCCCTGGAGCCGCGGTGTGGACGGCCCGGCCCCGTCCGCCCCGCCGCTCTGCGGGAGTGTC	14353
TGGGAGGCTGAGGCAGGAGGATAATTTGAGATGAGCCTGGGCAATGTGGTAGGACCCTGTCTCTACAAAAAA	14354
TCCTGTACTGAGCTGCCCCGAGCTGGGCAGCATGAAGGGCCTCGGGGCAGCTCAGTACAGGATG	14355
AATGTCGCCAAAGTTACTTGGCTCTGGAATTCTGTGGCTATTCACGTGGACTCTGGATGGCGGTCACCAA	14356
AACAGCTTGATCACGGGGTGCGAGAGGTCCATGATGGCAACAGAGGAGGATAAGCCGCAATGTTGTCCTGT	14357
ATGTTGGCCAGGCTGGTCTCGAACTCCTGAACTTAGGTGATCCCCGCCGGCGCGCCCCCCCCCCCCCCCG	14358
AAACTCATCACAGGTCTGGGCGTGGGGAAGGACTGGGCAAGTTCCAAAACAAATGCTTCCTCCCTGGGCATGT	14359
TATACAAGTTTTCACAATGAGACCAGTCATGGAGGTGGCAAGCTGAGTTGCGTGGTCGACATTTGGAGAAAGA	14360
CTCCACAACCTACACGGTGAAAATGGGGTGGACTGCTCTGGAGCAGGCCAGTGACATCTGGTGTGGGCTGGGA	14361
GCCTGTGTCTCTCGTGGAAGGACACCACAAGTGAAAATGGGGCCATAAGGTGGTGTGGGGGGGCCTCAGGGA	14362
CTGTTTGCAGCATACATGTCCCAACTATGCACTTCTGGCTGGATTTTTCCTGCTTTGTGTGGAAGCAATGAAG	14363
GTCCTCCTCAAGAGGAGGGGACAGGCTCTGTTTAATTTTCTACACAGGCCCACCTCTCTTTCAGACTTGAGG	14364
TTCTTTGATGCCTACTTTGTTAAGGGTTTTTATCATACAGGGATGGGCTGATCAGCAGTTTAGTAAAGTT	14365
CTCTTTCGTTTAATTAGATCCTAGTTGTCAATTTTGGCTTTCGTTGCCATTGCTTTTGGTGTTTTAGACACGA	14366
GTGAAAACCCGTAGGCTTAGAGGGCTCTGTTTGACTGGAGAGGCTGCCATGGCTGAGCACCGGGGCTGTTG	14367
AAGGAACATCGACTCATAGTAACCCTGGCTTGCTGTCCAAGAAGGCAGAAGCCCTGTGAGAGTCTAGAAGAG	14368
AAACCTCCCACAACTCTTCCACTGCTAAATTTGACTGGCTTTACAAAAAGGGGTGCGGGGGGCGGATACTGTA	14369
TGTTGCAGATACATTTAGGATTGCTATGTCTTCATGGTGGATTGATCTTTGTGTCATTATGTAATGTGCCT	14370
ATCACTTCATCCTCTGATTTCTTGGTTTTTTTCCTTGGGTTGAAGCTTCGTAAGAGATTATAAAGTGGAGGG	14371
GTGGTTCCAGTCTCAAAGCTGTGTGCTCAAAAAGTTCATCATTGCTCACGAGAATGCAGTAAGAAGAAACAT	14372
AGCACTTGCTCTAACAGGCCACAACTCTGTCCTTTATGGCGGATGGCTCGAGTGGCGGAGTGGATGTTTA	14373
GGCCCATATGAGTAGGGGAGCTGGGACTGGATACCCCACTGTTCTCCAATGCCATCCCACACTGGGGCTTCTG	14374
CAAAGTAACGCATGGACTGGTGGCAGGAGGAGCCTAGCAGCAAACAGTGGCCATCCAGGCCCCCGGAATGAAG	14375
ATTTTCTCTTGCTGCTGCCATATAGGAAGTGCCTTTCACCTCCCAAAGTGATTCTGAGGCCTCCCCAGCCA	14376
AGCCTTCTGAGTAGCTAGGAATACAGACACGCACCACCATGTCTGGCTAATTTTTTGTACTTTTAGTAGAGGC	14377
GGCTGCTCAGATGGCCTCCAGGATGTCCCCTGCCTCACTGTGTGCTGGGACATCATGTCTGCAGCTTCACAAG	14378
AAGCATTTGGGCTGAACCTATGGGATTTTCTAGATATAGAATCATGTCTGCAAACAGAAATAGTTTGGCTTCC	14379
CAGGCTCCTCCTTTGTATAAGGAGCAAATTCCTGTTGACTCCACCCCACCCTTCCAGTGCACATGAGGGCCC	14380
ACAAGAACTGCTCTGTCCCTGAAGCCCTACAGGCTGAAGCTGGACAGCTTGACGTAAATTTCAGCGGCTTGT	14381

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Table 1. Novel miRNA sequences

TATAATTCAGCCTTTAAGGAGCTCACAGTCTACTGTAACTGAGTCTTCTCAGAGAAAGGCCAGCATTCTGC	14382
GTGAGCGGCAGGTGATCATGCTTTACGGTCTGAGCTCTGCCTCCCATCAGATCATCAGCAGCATCACATTCT	14383
CTTAACCTAATAAGAGATTATAAAAATAGGGCTGGGTGTGGTGGCTCATGCCTGTAATCTCAGCACTTTGGG	14384
ATCTGCATTTCAGACAACCTCAGCGGAATTTATGTTAAAGTAGACCCTAGTCTGTGTTGTTACTAGGTGTCTGG	14385
TCTGTCGGTGATGGCTCACCTTGGATCTCTTTCAGGAGATCCACAGTTGGCCAGTAGAAAGCACACCCTG	14386
CACCCTTGCCCTTCCTGTAGGTGCTTCCAGTCTGGAGCTGACCGTGAGCTCTGAACTAGGACTCCTCAGTGGGC	14387
CCTGTTTCAATGTTGCCCCTCACAAAAAACACTGCTCTCTACAGCGAGCAGAGGCAGCTTTCTAAAACAT	14388
TCTTTGTTTCCACCTTCTCCTGCATCCAGTCAGAGCTATATGCAGCAAAAAGAAAACTCAGGAAACTCACCC	14389
AGCAGGGAAAATACCACTTGCACAAATGTATTTCTTTGTCAAAGTGTGTACACGCTTTCTGTTTGTCCTGAT	14390
GCCCCTTCTTGTGCTTAGGAACATTACACAGCACTCCAGAAGGTTTGGGGGCCATTTTAAACAGGAAAATC	14391
GATTTCTTTTTTCTTCCATCAGGATTTTTGTTTCCTTTCAGGGCAAGAATGCAAGTGGGAGGGCGGGTGAAC	14392
GCTACTCGGGAGGCTGAAGTGGGAAGATTGCTTGAATCCAGGAGATCGAGGCTGAAGTGATCTGAGATCGCA	14393
CCACGCGGCCGCCCTCGGGGCCCAGCGCGGCCGCCTGCGGCTCAGCCAGGCCGTGCAGGAAGCCGCCCTC	14394
TTAGAGTGGCCAGATGACAGGAGTGGTGTTAAGCATACATTCTCAGCATACCACTGAGTCAGTCAGACCTCA	14395
GAGTAAACATACATTGGATGACTTGTGGATAGAAGCAAACATTCTCATCCTTGGTATAAATCATTGGTTTTGC	14396
TCCATAGGTCTACTTGAGTGTCCTTGTGACATGGCAGCTGGCTTTCTCCAGAACAGGTGATTGAGAGAGA	14397
TCAAATTTAGCTGAGTGTCCATATTTTATCTGGCACCCCTCTTTCCAACCCTAGCCACCCTCTGTGGCCCTCAG	14398
AGCATGCCAGGTTTCTGGGTTCCCTTTCCCTGAGTGGTCCTAGCGACCCTGCTCGCTGCACCATGGCCAT	14399
CTCGGCAGGCCGAGAGGCGCCGCAGCGGGAGGGTGAGTTCCAGCCTCCGCTGCAGCCCCTCGACGTCACGCT	14400
GCTTGGGTAATGTGACTCTGTCCTGAGAGATGATCATTTTCCCATTTCTGAGTCCTCTGGTGGAGAGCCA	14401
TGTACTTCAGGAGAAGGTTGCAGTGAGCCAAGGTTGTGCCACTACACTCCAAGTGGGCAACAAAGCCGACCCTG	14402
TTTAACTTAGCAAATGGCCTAAAAAGGCGGGAGCCCAGCCCTGAAGGGGCTGCCATCCTGGGCCTTGCCCCA	14403
TGCCTCCCATATTCTAGAAGATGTCTGCACATAGAATGTACAGAAAAATGTCTGTCTTTGCCCATGATGGGAG	14404
TTGCTCTGAAATTGTTTCCTACATTTTTTTGAGAGAGAAGCATTGTCTGAAACTATCTCAAGCATTTTATTCT	14405
ACTCTGCCTACGTGGTGAGAGAGTACTAACGCGCTTGCAGAACACTCCAGCTCACCCTCAGCTGGCAATATT	14406
CACAGACTGGGTGGTTGAGACAACAGAAATGTTTTGTCTCACAGCGCTGGAGACTGGAAATATGAGATAAAG	14407
TCCAAGAGGGGAACTGACCTGATGCTGCTGGAATGCTCCTATATGAAGTGTCTGGATACTCCTGTCGGGAGG	14408
TAAAGAGAATAAACGTGAGCACCTTTTGTTTCTCTTCTGTGATGAAAATGTTTCTGAAGAGGAGATAAGACGTA	14409
ATATAAATTTAGTAACGTATTTGACTATCTAGATCTTTAAAATAGTCTAGAAAATTAAGGCGTTCCTGGA	14410
GAGTATGTCTGTGGTTGAGTGGATGGTTTCACAAAATAGTACCCACTGTTATAGCCATATCCCTTATTATCGC	14411
GATAAGAAAGTGGCAGATGTTGTTATATTGCTTGACTGGGCCAGAACATGCTCTTCACGCTTTCCATATG	14412

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Table 1. Novel miRNA sequences

TTTGCATCGATATTGACAAGTAATTTTGACCTGTGATTTTTCTTTCTTTTAATGTTCTTGTCATTTGATA	14413
CCTCATCTGAAACCTGGGAATGATAACGGCAGTCACCATATCAAGGGATCAACTGTTGTATTCACAGATTAT	14414
TCTACAAGTATTTGAGTTTATGGATGTATCATAATTTGGCACCCCAAGTCTGATGCCATCTTCAGTGAAATTCA	14415
AGTTGTGATGTTGCCCAGGGTTTTGTTTTGTTTTTTTCCCTTTAAGGAAAAGAATGTCAGTGGTGTATATCAGA	14416
TTGGGCCACACTGCAGCAGCTCCCGTTTAACCTGTAAATCCGCAGGCTCATCAGACGTGTTCCATCCAAT	14417
GCTGAGGGTCCTGTGATGCTCACGATGCTGGGCTGTGTTTCTCTCAGCAGCATTGTATGAAAGCCAGCTTCCTC	14418
CTTCTAAGCAGGTGGACTCAGTTGTGACTTATGGGGTGTTATCTTAGGGACGACTACAAATCTCCACCTCTT	14419
ACAAAGCCACAGTGAGTTGCAGATGCTGGGCATTCCTCTTCAGGCTGAGTTAACTGGTTTGCTCCTGCACAGCT	14420
GCTTTCCCCATCAGGTGTCAGTGAAAGTTTATGGGGAACCTGGACTTCTCTACCCAATTGGCAGTAATGAGG	14421
CTCCCTTCAGATGGTTCAAATTCTGTTCTCCCAGCCTAGCTCTTCTCCTGGGCACCACGTCTGCATTTGCAACC	14422
TAAAGAGTGTTTCAGACAATACCATCTGACTAATTGGCTGGAGTTCTTGGTTATATGTCTAACATGTTTTATG	14423
TTCCTTCTCACGTTCTGAGTCAAATCTGAACCAAAATTCACATTTGGTCTCGTGACCATGATAGATAGAAGA	14424
CACAACCTGACAAAATTCATCCTTGAGGTTGCCAGAAAAAAAGTCACTGGCTGCTCAAAAAATTGAAGCAG	14425
GGCTTTTGTTGGGTATATGTTACAAGTAAATTACATATGTAATATATACTGTTAATATTTTATCCCAGTCCGC	14426
AATGCCCTCTGCCCACCAACATTGGGCTAGCAAATTGGCTCAGTTCAGCAGAAGTACCAGTGAGGGGCAC	14427
ATGCTCTCCCCTTATGGAAGGTTTGGAAGCCTGGGAGCTACATTGTCTGCAAGGTTCCAGGTTAGATTCTGCCA	14428
TGCTAATGTGGAAGCCACTAGAACTGGTTTATAAGAGAATTAAGCCCTAAAGCCCTAAGGAATCCATTGGAT	14429
GCAAGTGAAGTATACCTCCACCATAAATGAAGTAGGTATTGGTCTCCGGGTATACTCTGATGCAAAGCCTC	14430
GTCCATGGCAGGCAGAGCCTAGTTTTAGACCACTATCGGGTTCCAAAGCTTATCCTCTCAGCTGTGATGGTT	14431
GTGCGTTCGGCTCCGCGCCCGCCGCGCCGGGAGCAGCACCGCGGGGCCAGGTAGGTGCGGGGCCGGCGGG	14432
AAAAGAACAGAAAGCTTGTCAGAGTTGTATTTAAAATAACAGTAAATACACTGCTTCACTTGACTAGCCTAAAA	14433
CAAGACTCTTTTTGGGCCACCAACTGTGTGTCCAGCCGCACTGTTTGGCCTGAGAGTACCTACCAACTCCAC	14434
ATACACTTGCAAGATGGTTAACTCTCATGTCTAGTGAATTGGTGGTTACTGTTGGCTGAGAGTTTATTCAAGGC	14435
TTTCACGGCTGAGTTTGATTTTGGGTGTAGTGTTGACCACTTGTGCCTGTGATTAAAACTATAGCATGTT	14436
CTGCCTTGAGCACTCTGTAGGTGGGAAGCAGCATAACTGATTTCCACTTTTCATTCCCTCATCCCACTGCTCA	14437
CACCTGCTGCCCTTCCGCGCATACCTGGCTGACCAGTTCGGGTATTCCTAAGGCTCTATCAATCTCCTCCAGG	14438
TAGTGGCTCCTGTTGTGTGATTCCATTTATGTGAAATGTCCAGAATGGGCAAATCCATACAAAACAAAAGT	14439
CCCTTGGAGAGGGAATAGCTGATGTCTTCATGGGGTTTCTGGCCCTTTTTAGACCCTCTCCTTAATATTTAA	14440
TTTCTATACTTATTGCTGTGATGATGAACATGTGTACATTAGGAATTATTCCAGAAGTGTGGTTACTAAGTCC	14441
TGAGGTCCACAGCATGTAGGCAGTGTATCTCTTGCTAGCACCATTTCTGGCTGAGTGGCTGTTCACAGGTAGA	14442
GAGTTTGTAGGCAGATTTCTTGTCTATACATACAGACATAATTTGAAGCAAATTTAAATAATATGTTGGATAC	14443

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Table 1. Novel miRNA sequences

TCTTCTCCCCGGCAAAGAACACCCCAATGGCTCTTAAGATAAAGCCCAGAATCCCAAATAGGGTGTTCTCTGT	14444
GAAGGCTGAGGCTGGAGGATCGCTTAAACCTGGGAGGCAGAGGTTGCAGTGAGCCAAGACGGCACCACTGCCC	14445
CCCTGAGCGGGTGAGGTTGGCGGTCCGTGCTGACCGCTCCCGGGATTGGTTTCACGTGGAGTCGTATTTCGC	14446
TGAGGAGTAAATGAGATAATACGTATAACAGGAATTGAGTGCTTGGCACTTAGCAAGCATTCAACAAATGTT	14447
TGCTTGAGCCCAGGAGGTCAAGGCTGTAGTGAGCTGGGATCGTGTCACTGCAGCACTTCTACCTGGGTGCCTG	14448
TTGAGGTTGCCTTATTTGGGCTAAATCTAGTTGGTGTTCTATAACCTTCTTGTACTTGAATATTGGTTCTTTC	14449
ATACCTCAGTCGACCTGGGATGGGTGACAATACTTGTAATTTTAAATATGTATCCCGAGGTTCTAAATCGTGT	14450
GGCAACAAGGTAGAGAGCCGCGGCCAGAAGCAGCCCCGGGCCATAAACCCGAGGCCTGGATGGCTTAAGGCT	14451
CAGCATCTTTTTATCTTTTGTAGGGGCTTCCAATGATGGCAGTCATCTCCATCATCCAATGCATCCACAT	14452
TTTCAGTGTTTTTTACAAAGTGACCTTGCAGTTTATGAGGACTGCTGGGTCTGTGTCCTTCCTGCAGTTTCG	14453
CAAGCTGCCAAGTGATGCTGGTGATCAGTGGTCCACACTGTGAGGAGTAAGGTGTAGTTAGAAAAGTGACTA	14454
CCTTATTACAGTAATCCAGTCACTTGTGCCTTCCGGAATTCTTGGGGTATTGTGTTACTGAAGTGATCTTAA	14455
GATCAGTTTTACATTAACTGTTGCCCAAATTTCCAACTATGAGCTAAATTCATGGATATTTTAAGACAGTTAAT	14456
TATGTGCGTTTTCTGATACTATATGATAAAATATAGTTTACCAGGAGATTTAAGTCAGCATATAAGTTGAGT	14457
CTCATCATATACGAGAAGGTGCTCCTTCTCTCCATTGCTTCCTATGATGTGTCAAGCCCTTACCATGTACTTT	14458
GAATTTGTAACAGATGTCCCGTATCTTCTCAGAGGAAGATGCAGAGTCATCTCTTAAGGTAGGTGGTGTC	14459
TGTGTCTGTGTTTATCTCTTATATAGTGCATACAGTGTGAACAAGTGAGTGTGTGTGTGTGAGTGTGAACAATC	14460
GACTGCCATTAGTTGAAATCCTGCAAAAGTGAGTGACCCTGTAGGCAGACATGATATCAGGCATTTTAGCCCC	14461
AAGCATTCCTAATCACAGGATGCTATAGGATAAAAATAAAATTCTGTACAGCATTTTATGCTTAAATGGT	14462
TTCAGCCTTTTTCTCCCCATCTTTGAGGATTTATCTAGCTTTGGTCTGTGATGTTGATGACCTTTGGATGGGG	14463
CTGAGAACTTACCATTGGATCTAGCACCATGGAGATCATTGGTAACCTGACAAGAATAGTGTAGATCCAGTG	14464
TGAGGTTCAGAGGGTAAAGGTGTGATGATAAGCTCAAGGTCACACAGCTAGTAAAGAGTGACTTGAACCCAGG	14465
CTATTTATAAGAAAGGATTTTGTAGTGGCTTTCAAGCTCAAGGTTGAACATGGTCACTGTTGGAATCTAGAC	14466
CTTGTTAAGCCCAAAGAATTGCTTTATAGCATTGATTAGTTTGGATGCCTTGTAATGCACTGGTAAAACAT	14467
TGAGCCACTGCTCCAAGCCTCACACTTACTTCTGGAAGTTGAAGTGCAATCATGAGCTTAGATTTGTGGTTTA	14468
AGACAGGAACTGGGGAGGGAAGGCTTCCCTGAGGAAGCGACTTTTCAACTGCATGTTCATTTGTTAGGGGCC	14469
AGCTACTCAAGAGGCTGAGGTTGCTTGAGTCCAGGAGTTCTGGGCTCTAGTGCGCTATCCCAATCGGGTGTC	14470
GCTTTGGTTCAGATGGGATCTCCACAGAGAGGACTTTCCTGCTGTCTTAGATAGTCCATGCCATGTTCACAT	14471
TGCTCTGGAGTGAGGCAGTGCAATGATAGTTCACTGCAGCCTACAACTCTTGGGCTCAAGCGATCCTCCCG	14472
AAGGGGTCAGGGAGGGCTCCCTGGGACGGTATGGGCAGGAGATGCTGTACTCCCAGACCCTACCCCACATAG	14473
AGTACATAACTAGTAATGGCCTCGAAGAACATACATATCAGTTGTTCATGGAGGACATCTATGCATGAAA	14474

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Table 1. Novel miRNA sequences

GATGAGTTACATTGACTGACCTATGAATGTTTGATCAGCATTCTTTGTTGGAATGAAATCCATGTAGTCAT	14475
GACATGCTAAGTGCTATACATTATATTGGCTGCATTATTGCACACACACTTTATAAGTAAGAAAACATGTCAGA	14476
TTCATCATGTGACATTTTAGAAGAAAAAAAGTAAGCTGGGTGCAGTAGCTTATGTCTGTAATACCAGCACTTT	14477
ATCAGATTGTAGATACACACATTGACAGTTTAACTGGTGGGGTTTGCTGATGATTGAGTTTATGGTATGAGAG	14478
AAGATGTCCAGTTTTCCCAGCAACACTTATCGAAGTGATTTTCCTTTCCCCATTGTGTGTTCTTGGGACACT	14479
GTGATGTCTGCAGGTTAGCACCTATGCTTTATGACATGCAAAGAGGCACTGTTTATGGCCAACAAGGAACAAG	14480
TTCCCTTTAGCTAAGCACACAGATCTACCTTGGTGATTTGGACCCTGGTTGCTTTGTGTCTAGTTTTCTAGA	14481
TAATGCAAGGTCTCACAATCACTGCACTGTACCTCTCCCAAGTGCAGTGATGCCACGTGACCGCTGCAGG	14482
AATAAGCTCGTTGGTTTCATGTTTCTCCTTTGCCAACATGAAGGCTGGTAAAATAGCGTACTTGTCAAAGTG	14483
ACTTTTAGCACCATTTGATGCTTTGCAAAATATTATGGTTCACCTTGTTGGCATTGGTCAGGCCATGTGGGT	14484
TAATATGTAGGTGATGGGATGATGGGCACATATGTGCATGGCACAGATTTACTTATGTAACAAACCTTCACA	14485
TATAAACACAATTTCAACAGTGGGTGACAATATTTTGTTGCTCCACACTGGAAAACATAATCTTGTGTACCAA	14486
AGATTATCTACATGTTTACACTGTGTTGGGGTAAAGTATTAGTGAAATACGTGATGCAGATGTAGAGACAGTC	14487
GGCAGATGCCATCTTGCAGCCCAGCCAGAATGGAGAAAAAAGGTTAATGCATACAGGGCATCCCCACTCTGTGA	14488
TTGCTACATTAAAATAAGGATTGGCTAGAGACTTCAAACTGTAAAAGTCTGTTTTCATGTCTTTATTATGT	14489
ATTCTTGCCAATTGAATATTAATGGAAATGATGTATCTCATTTCTATGCCAGGATTTATAAGAAGCAGATA	14490
TATTAACATCTGAGAAGCCCCACATCAGTTGTATCTGCAGTGGGCAGCAGCATTGGGTGAGGCTATTCCAGGT	14491
TGTGTTTAAATCTTACTGTGGCCGCTGCTCAGTATTTCATCATGGGCAAGTCTCCTCATTGATCTGAGATTTG	14492
ATATATATATATGCAGATATTTTCCTGCTAAGGCAATCTTGATTTTCTGTCCTTAGGGAATATTTATTAGCAAT	14493
TCTTCATCTGTTAAGTGAGGATAATAGCTGATATCTTATAATTAGTGCTTACCATTTAACAGATTCTGCACC	14494
TTCAGTAATACTGCTCATGCTCTACCAGGCCAGCAGCTTCTGGGAGATGTGGGGGGAGTCTGATTGGACCC	14495
CTTTCTCCATGCACTAGTAAGCTCCCTTTGAAGTCAGTATTACTATACTTGAATCAGCAGTACAGGACATGGAG	14496
GAAGTCTTGACTGCATAGTCTGACTGACAGATAGCTCTTGGTGGTTGGAAGACTAGTGATTGAATGTAGCATGG	14497
TGCATAGCAGTGCACACAAGACTGTGGGGTCCCTGTACTTGTGGGCCTTCCAGTTTTGGATCAGGCTTTCTATTC	14498
CCAGAGAGGCATTTATGTGCAAATCCATGAAAAGCTCTGCTATTGTAGGTGCATTGAATGAAGAACACTGGGC	14499
TGCATGCCAGGAAATGTGCTTTCTAAAATCAAGGGCTGTGGATAGGGCCAGTGACCAGAAGAACCCTGGTA	14500
CACTTTAGGCTGCCCTCCTGGGACTGGCTTCTCTGCTGAGTCACTTAGCAGGTGCTGGGCGTTGGCAGCAA	14501
ACACTTGTGCAAGTGCTTGAGTAGTGTGTGACGGGCATACTTAGCTCAGTGCAGATGTCTTGGAAATAGTA	14502
ACAAGCGTGATGTGCTCTAGGCGACTCAGTAGCCCAGTTGGCCTGAAACCTGGGGCTCCAGATCCCAGCTCA	14503
TGGCCAGTAGCCAGCAGCGACCTGGGGCCTGCCAACTACCATGTGAGTGAGCTGGGGTTAAAGGCTGAATCCT	14504
ACCTGACTCTGGTTGGGGAAAAGTGTTAGACCTTGCCACTTTCTGAAATTTCGGTTGGGAATTAAAACACA	14505

Table 1. Novel miRNA sequences

TCCTCAGGCAAGATGCTGGTATCATCAGTGGTGGAGCCCACTATTTAATGAGTCAGTTATCCAGCAGCTCACC	14506
GTGAAGTCCAGAATTTGGCTCCTAATGTCATCAAGAGTGACACATGTTATTGATGGCACTGGTTCCTGGAATCT	14507
GTTTTCTCCCACTTTCCTATGTTCTCTATTTTGTAAGCAGCTCCTACACTGAGAGGGAAGGAACATATTTT	14508
GGCAGCCTCTGTAAGAGCCTTGAAGAATGTCAAGTAGAACTTGAAGAGGTCATGGAGGTCATTAGGGAAGTGGT	14509
CAAACTCAGTGCACTACAGATTACGTGGCTTTAGCAAATCTCCTTGGAAATTAAGAGTCATGTATAAAACTGC	14510
CTCAGGACAGGGCTCCAGCATCAGAGGCTACTGTGCTGCCTCCTGTGCGGGACTCTCCTTACCCTGCACA	14511
GTGAGGGAGAGTATACCTTTTGTTTTGTACTTTACTATATGTTATTGTATACCTGTCTTCCTTTACTAGGTTCT	14512
GCTGGCTCAGATGCCGATAGGAAGTTTCTAGCTAGAGCAGCTGTCTTCAAGTAAGAACTGAAAGCCACATGT	14513
CTGGCCGTGAGCTCCTGGGCTCAATGATCCTCCAGCCTTGGCCTCCCAAGTGCTGGGATTACAGGTGTGAGGC	14514
CAGGCTTACCCTAGACCCACTGAATCAGGACCTCTGGAACTGGGGCCCAGGAATGTGGGTTTTCCCAAGCC	14515
TATCAACTGAAGTAAATCCCACGAAGTCACAAAGAACAGTGATCTCCAGGAAAGGCTTTTTGCTTTAAAA	14516
TTTAAGGTTGGCTGTGACATGATGAGATTTCACTCTGACAGCAGTGTGGGGTTGGAGATGGGGGGTGAGGAAGC	14517
TCTGGACTGTGCCATCTAGATCTAGACAGATCTAGATGTGTCTAGATCCATCATGCACTTACTGACCCATG	14518
TGTGGTAGCCATAGGACCCCAGTGTGCGATGACTGGATTGGGTTTGCTTCAGATGGGATCAGGTGGAGTTGCT	14519
TGAATAGCAGCATTGTCACTTCAGTGTCATTTGTGGCATTCCTGAATTTGTGTGTGAAAATGCTTACCATTAT	14520
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TTGGACAATTGTCTTATATGTTGGTGGTTATGGTGAACAGCCATCATATTCCAGAAGTCCCAAAGATGTA	14522
GATAAGGTAATGAAATGATACATGTAGTGGTTAAGAGCAGCACCACAGAGCCAGACTGCATGGGTTCCAACC	14523
CACCCAATCCCAAAAAAAATCTGTGGGCATGGTGACTCCCACCTATAATCCCAGCTACTCGGGAGGCCAA	14524
GTGATACAAGCTGGGGAAGAGAGTGAGGAAAGCCACACTGGATACTTAACCACCTCAGCCAGAAAGTGACAC	14525
TGGCAGGATCTGAAACAAGGCCAGGCCCCATTATAGGGCAATTACCCTTCAGGCTGATTGGTGCAGAGACGCT	14526
GAAAAGGCAACCACAGCTTCTGAAAGTGTCCTTAGGGAACCTCACTATTAGGAGCCAGGTCTATCCAAGTCAG	14527
AACAGCTGTAGACTAAGTTCTGTTTTAGAGAGGGAAGTGTAAAACACGAATCAGACGTGCGGTTGAGATAC	14528
GAGTATTTTCTTTTATGCAAATACCCTGTTTCATACAAATAATGAAAACCATTGTATTTTATGAAAGGAGTCTT	14529
CCAGTATCCCACAGTCTTGATCATCGTAGCTATATAATATGTTCTGAAATCAGCTAGACTGATGGCTTCCAT	14530
CCAAAGCCAGTGAGGGCTTGTGGGTCATCTTGCACCTTTGCAAACGAGGAATTCCCCTCTGTGCCCTGATA	14531
GCCTTTTCTCAACATGCACTCCTCTTTGAAGGGCAGACTAGCAGCAGTGTTTCAAAGTGCACGTTTGATT	14532
GACATTAATGTTTTGTCTTTATGACACCAACTTTTCAGTAGAGAAAAGATGAGGTTGTGGTCTGGAATTAGAAC	14533
CTTGAACCCCTGGAAAGGGCCCAGCTAATGTTGCTAGGAGAGTGAAGACAAAGTTCTCCAGGGAATGATG	14534
CATATCTTCCAGTTCAGAGTCTAAAAAAAGTTGGCGTTTCCGACTCAGCAGGACACTGAATTTCTGGACTGTAT	14535
TGTGGTGGCTTATGTCTGTGATCCCAGTACTTTGAGAGGCCAGGGTGGGAGAATCACTTGAGGCCAGGAGCTT	14536

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Table 1. Novel miRNA sequences

TTCCCACAGTGGAGAAGTCTTCCAGTCCGTGCATGGATGATGCCACCACTGGCTAAATGTCCTCTTCTCCA	14537
CTGGGCCTTGGTTTCTTGTCTGTAGGATGAAGACACTAGAACTTAACCTTACCAGGCCTTGAAAGTGCCT	14538
TATAATCTCTTTTCCTCCTCCTCCTCCTTCCCCTTCCCACACACACAGAAGGGGGAAAAAAGTACAGAGACA	14539
TCCTGGGTTGAATGCCAGCTACACCACCTACTAGGTTTGTAACCTTGGCAAGTCATTTCAGTTCCCCATGT	14540
AGAGTTGCCTGGTACTTCTGAGACGGCTGCGTAAGTGATCTGACTCAGCAGGAAGGTCTTCTCTTTGCCTTT	14541
TTCTTATGCAGCACTCATATAGGTATCCTGGTCTGCAGAAGAAGGAGAAGGTGGGGAAGGTGCATCTGCAT	14542
GAACAGAACAAAGACCCATAAAGATAAAATGTAGTGACTGCAAGTGGTTTATGGGTAGGAGTTGGATAGGGA	14543
CTGGGATTATGGGCCTGAACCACCACGCCCAGCCAGCATTGGTGGTTCAGTGGTTTTGTATCTTCTTACC	14544
TGTGGTGCGAGTGTGTCTTAGCTTTCCCTACTTGTTTTGATGCAGGTATTTTCTTAGATATTTAGCTTCTACAA	14545
AAAAGAGCTGGTGGTGAAAATATTTTGTATCTTGATTCGGGTGGGAGTTATAGGTTATATACATTTGTCAAAGC	14546
TCCCCGCTCGAGCATCCCAATGGCCACCCGCTTTCAAATTGGCTAAGTGGCTCGGAGAGGCGCCAGGCACAGGG	14547
ACGTTATACAACATGTTATGCACGACTCATTATATGCATAACTCATTAGATAATGTTACCATAAGATTTGAGG	14548
CTAATTTATAAAAGAAGGGCATATCTTCACCTACTCAGAATTTACAATGGGATATGCCCTACAGTATAAAAA	14549
TTCCTCAGCTTTTGATGCCATCAACTTGGTCAAGGCCATGAAGTTTGGCTGTGGAATGTGTGCCATGAAGT	14550
ATCTGTCTTAATAAGGCACTACTTCTCATGGGGGAGAGCACCATTTGAGGCTGCCCATTGTCAAGTATGCT	14551
CTCTAAATCATGTTTGAGCATGCAGTGGGGCTGGCAGTTTGCTTATTTGCCCTAGATGATATGTTAATAACG	14552
CTCTGGCTTAGCACCTCCAGGATAGGGAATGGGTTTAGGTTCTTAGGGTCTGGCATATACTAGGTTCCTGGAG	14553
TTTGACAAGATCCGTTGCTATGGTGATGGTCTGCTCGGCCCTGGCGGAGCGCCTTCAGGTGGCTTCAGTTTTG	14554
TCCCTCATCTTCCAGCAGAGGTCCTACAGTGCAGAAAGAGTCTGTGCACCTGGAGGAGGGAGAGTACAGAGAGG	14555
ATCACCGGTTAACAGGACTATTAGTCCAGCCTTTCTGGACTAATAGCTACTGGGGTATTTATGGGTATGAA	14556
CAGTCTAGTTCCTGTGGGCAGGGAATCTTATGAGGATTTCTCTCTCTCTCTTTCTCTCCCTGTGTCACACA	14557
TTATTTAGCTTCTCAGTGACTGCAACTTTATTCTTTGGTGTCTTGCCCCTGTGAGAATAGCTAAGAATGG	14558
AAATAGTCAAAAAACAGCAGGTGCTAGTGAGGCTGCAGAGAAAAGGGAATGCTTATACACTGTTGTTTGGAAT	14559
TTCCATCCCTGTTCGGGCGCCACTATGTAACCCGCACAGACCTAGGGGGATTAAACAAAGGGGGCAAACACGGA	14560
CAACTGAGCTTATCACTGGTATTTTCCTGCAATTCTGCAAATTCTTGATTACCTGAAAGTTAGTGAAGGCT	14561
TACCTTGTCTGTGGTGTGGATATTTTTATATGTACTATACTACATGCCCCTAAATATACTTATTTTTTAAAT	14562
TATTGTGTGGGAAGGCAAAGGCATCACTAGTGGTTTACAAAGTGATGTAAATATTACCCTAAATATGAAA	14563
GAATGATAGGACACACAGCTGGAGTCCACTGGAGAATCTGGTGTCAGAAGTGCTGTGTTCAGTGGTTATGTG	14564
ACCCACTTTGGCATGGTGTGTCAAGCACCCAGGGCATAAGGAAAGAACAGCAGGCTGGAGTGAATGGTTACAC	14565
CCTCATGGAAGAAAAGTCCAGTGCCTTTGAAGTGTTTATAATTTTGAGGGGAAGTAAGGTAAATATACATGA	14566
GCACACATTTAGATTTCATGATAAGGCAGGTACGGCTATATGGACTGCTGTTTGTTTTGACTTTGCAAAGTG	14567

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Table 1. Novel miRNA sequences

ACTGCCTATTGAGGTGCACACTGAGAATGGAGGAAGGATTTTATGCAAAGTGCCCTTTGAAGGCTTTCATAGT	14568
AGGCTTATTTCTGGGCCCTTTTAGAATCAGTTAAATTCACTTCTCTTGACTATCTAGAACCAGAAGAAAATCTC	14569
AATAGCTTTGTCCAAAATGGCAATGGTAATATGGACAATATTAGGTCCAGGTTGACGTGGTCTCAGATGCAGA	14570
CCTCACCTAGCACTGGGCCTGGCAGTACAATTGGGTGGCTCAGTTCAGCATTTCAGTTTCCAGACCATGC	14571
AATCACAGAACAGTCTATATCACAGTCTCCGTGATGTTTTTATATTCATAAGACATTTATGGACTACTCTGTTC	14572
CACACAAAGCACTTGCGGTTTTAAGCATATTTTTAAAAACACACATTGCTTTGGGACCGCTGTGCCATAA	14573
ATCTTTCTACCTTTTTCTCCATTAATTGCCAAAGGTGGAGAAGAATATAGACTGAGTATGAAGCACCTTGTC	14574
CCACTTGAATGATTATTTTCAGTCCTTGTATCTGGGATTTCACTTCCTGAGTATTCCAGTCTCTTGAGCTTC	14575
GTTCTAATGATGGTGGCTCCCAAGCTAAAACCTCAAACCAGACTTCTCCTTGGAGCTCCAGCCTGTATAGCAAC	14576
TTGGATTATTGTGGTGGTGATGGCGGCAGTGGCAGTGGTGGTAATGGTGGTTGTTGTCAGTGGTGGTGGTGC	14577
CTAAGGAGCCAACAACCCAGTGGTGACAAGTGCCATGGAAGGCAATAAAACCGGGTGATGAGAAATCCCAGG	14578
AACTTGGATTCTGTGGGGTAGGTAATTTTTTAGTAAGGACAGCCTCTTCTAAAGGCTCCCTACAATGGGACTGG	14579
TTTGTATTTCCCAGTGTCATTCACTGTGTTGAGCTTATAGCAAGTGCACAATGAATACTTACTGTTCAAATAA	14580
CACCATGACGTGGGAGGTCTGAGAACAAATGGAGCATTTAGTTCTGAGCTGGGTGGGGATAGCCTAACGA	14581
TCCACCATGAAACTGTCACAAAATCCTTAGCATCTCATCGCTTAGGCAAAAGCAGCTTCAAATGCCGGACTC	14582
GCCCTGGCCTTGGGTAAGTTAGTCACCTTCATGTGCTAATCAGCACTCAATTGAAGATTTAATAAAGGGGACC	14583
TGTGCAGGAAACATCATGCCAGTATCTGCTTCTGGGGAGGCCTCAGGAAGCCTTTACTCATGGTGGAAGGTGA	14584
GCAGAGAAAGGTTCTTTGCAGCTGCAGTCATGATGTGCTGGTTTTGCAAATGTTTTTTGTTTTTGTTTTTGT	14585
GAGTTTTATACACTGAATGTGGAAGAACCGGGTATCATATCTTTTTTAAAAAATGTCAGTGTAGAAAACATT	14586
TGCTAGGGAGATGAAAGTAGTTTTTGTTTCTTCATTAGCGTAGGATGTGTACATTGAAAGCCATGTTCCCTTGT	14587
TGCTCAGAAGAATTGGGGTTGATCTTTCTGGAATAACCAAGAATCCCAAATATGATCACCCCAAGTGATAAT	14588
TGGGGAAAAGAGAGGTTTTTACACTAAATATGGTTTTACTTCTCTCTGTCTCAAACAGAAATGAAAACAAGCAT	14589
CTCGACCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACGCCCAGCCTTACAGTTTATTTTTGGCCAGAG	14590
GTGCCGCCACCTCCCCGCGGGACGCACTCTCCTCGCTCCCCCGGGCCCCGCGTCCTCCCCCCGGCCACCCTTCC	14591
CTCCCAACAAAATGCATATGTTGCTCAGGTAGCTATCAAGTAGTTCTTCAGTTGTGTGTTAATTGAGGACA	14592
TTCTCCCTCCCTCTCCCCACTCTACCCCTAAAAAACAGCCCCCACTGAGGTAGTAGTGGTGTGAGCCAGGCT	14593
GGAACAGGATGTTTACATAGTCTCAAAGCTGCCACAGATGACTGATCATTTACAGAGGAGAAAAAGAGGTGTCT	14594
ATCAGAGCGCGCAGAGGCCTCCCTTCCCCCGCCGCCGTCCCGCGCCAAAATTCCAAACGGGCTACGCACCGCTC	14595
CAAAGTAGCTTGCTGCTGACTTAATGACACTTGACAGTCTATCAGAGAGAGTCAGGCCCACCTGTTTTAGGCAA	14596
TGACTTCGAGCCCACTGTCTTAACCACTTCAGATAACTGCCTCTAATGCAAAGACCCCTCTCGAAGGTCAGA	14597
ACCAGCCAGCGGTTCTTAAAACTAGGCTTCAGGCAGTGCATTTTCTTTGAAGGCTTTCTGATCAAAGCACGGC	14598

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Table 1. Novel miRNA sequences

TGAGCCTTACTAAGTCATGGATAAATGTTCACATTAAGAACATATTAGTTCATTAGACTGATAGACAAAGGT	14599
GGAGGATAATAATAACCAAATATGTTCGGCAATAGTAAAACAAATATTATGGGTCTTTATTACCTAGGTA	14600
AGGGTCTAGGGATAAGGCCAGTGATGGGCTCAGAGGAGAAGTTTGGTAAGCATTTGGAAATCCTTTCTACTCT	14601
TCCAGGAATTGAGAACTCCACTTGTCAAGACCTCATAATCGTAGACTTGATTTTAATGTTTGCTCTTTGCTGGA	14602
GGGCCCCTCTTTCTCTTTGCCTGGTTGACTCAGTTTCAGTGCACATGTCAACTTTTCGGAGAGTCATTCTCAG	14603
CAGATAAACAAGGAGAAAAGTCTAGACTAATCCACATGATCATGGATTAGAGGTGGAGACATCCATATGCAC	14604
AGTCTCCCCTCTCAGCCAGAGTCCCACTGCATGAAGGCACAGAGTTCCCCGTACTGGCCACCAGGTTGTGAG	14605
GACCCCATTGTCACAGCACCCTTTTATATTAAAAGTCACTAGAGATGTCACAAAGATAAATTGGGGTTTATGG	14606
ATGCTGCTTCCCTGGACTGGACAGTTCTTCCCCCGCATTGCACTTACTCTAACTCACCTTTCAGGTCTCAGCT	14607
CTTCTTTCTTGCTGCCATTGACATCCATGGCTCATGAATATGCACTCTTTCATGAGCACATAGGGCATGAGT	14608
ATGCAATCACAGTGGGAACAAGCAGGGAGAAACTCCGGTTTCTGGTAGACACTGGTAGACGCTGCAGTGTGCCA	14609
AAGCCCTGCCAGACCATCTTCAGAACACGGTTGTGATGACCCTAAGAGGTAAGAATAAGAGGATGGCTGG	14610
ATGGATACAGGAATTGCTCTGGCCACCATAATTTGGGTGGAAATGGTGCATACCACTTCCAGTTCTTGCCC	14611
TCACCCAGCAGCTATTTGGGGATGATCAGGGAAAACGAAAGATCAGGTTCCTCTTCTTTTGGTTTTAGGTGT	14612
AGCGTTGGGAATGTAGAGACTGACCAAAGTATGGTCTCTACCTTCAAGGAGCTCACAGTCTATTGGGGAAAAA	14613
GAGAAAATCCTTTTTCATAGTGGCTTACCAACTTACTGTTAGTAAGTTTCCATAGTGGCTGTGTTAACTTA	14614
TCTAATGAACAATTATTGCATATCTGCCATGTGTCAGGCACTATGCTGGCATAGATAGGTAAGTCAGTAG	14615
AGGATAGCATCCTAGCTATGCCATCTCTTTATAAGGCTGATAGATTTGGGGTGATGTATAGTATGTGATGTA	14616
ACAGCCTCACAGATAGGTACTGTTATTATGATGACACTGGACTTGGAGTCAGGAGACCTGGGAAGCTGGAC	14617
GGGAGAAGCTGGGAGGGTTGTTTGGTGCTGTCATCTGAAAACTGTTGAGGTAGATCCAACATGGCCCTGAGGC	14618
ACTTCATTTAATCCTTACCATGTGCACAGACATGTTCACGTTACAGACGAGCAAACAGGTCTAGGCTGGT	14619
CTTTCAAGCTTCAAGGAGGTGCCCTCTTGCCTACCAAGCAGGGACTAGCTTACTGAGTGAGCAAATCCATATT	14620
TTCTAAGTGAAACACGGGCTCTATATTGATGAGTAAAGGTCCCAGAACCGCTGGCCTGGATCTAGGAGTCCTA	14621
ATCTCAGATCTGCAAGTGCAGGTGTGATCGAGTTAGCTTTCCTCTTACTGAAGCACTTTCAGGAATTCAAGT	14622
GGCTGTTCTCACCCACCCCCATCCCCAGGGAAGCGTGTGCACTCGCAACAGGGCTGGGGGCAGGTCACAGATCT	14623
TTGGAGCTTAGGCAGTGTAGTGTTAGGATGATTATTGGATTTCCTCCACAGTTCCTGGCTCATTCTTTTGTAGC	14624
TAATCAACTGGCTTCAATCTACTTGATTGGCTTCTCTACTGGCGGGAGAAGCCCCAGTAGGATTGAAGCT	14625
GATATATGGTATATATATATTCACACAGTATATATGGTAACATATATGGTGTGTATATATATGTTATATAT	14626
ACAAAAGTAGCCAGCCTGCCAACCCCTGGGCAAAGGAGCTCAAACAGTGTATGAAACCCACGCAGGCTGGGCC	14627
AAGTGCTGCAAGGTCGGGTCATAGGGAGGTGAGATCGGAACCATGCAGTAATATGGCAGGAACAGGAGAA	14628
GGCGGGGGGCAGGGGGCGCGGCGAGAGCTGGGGATCGGCGGCGTCCGCACTGAGAAAGCAGCCTCCGCCG	14629

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Table 1. Novel miRNA sequences

CCCAAGCAGTTGGACCAATGCATTCCCACCAGCAATGCACGGCCACTCCTACGGCTTGACTATCCTCAGTGC	14630
CTGAATAGTCTATGAATGTCACTATTGACTTAAAAGGATATGAGGTCAGCTCATCCTCAAGGTTGATTCTGC	14631
TCCTGCAGGGGCTTTGCCAGCTCCGAGAGGATACACAACAGACAAAGGTGCAATGGTTTATCAAGCTCCCTA	14632
TGATCTTAGACTTCCCAGCCTCCAGAAGTGTCAGAAATAAATTTCTAAGCTGCACAGTTTATGGTATTATGT	14633
CAAAAGGGACTGAGATGTGCCATAGAGTAGAGCCTTGGAGACTGGACTACTAGGTACGGATCCATGTTCCAC	14634
AGGACAAACATCCAGAGCAGCATTTGCAAGTTACCGTCATGCTGGATGGCTGGAGGAATCAAAACGGTCACTT	14635
GTCTATATAGCATGTGAAGGACAGGGGACTAACTTTACAGTAAATGGAATGTTTGGGTGGGGGTGGAATACGA	14636
TAGGGAGACAGGTCACACTTTTAAACAAGATTATTATGGAGGTCTTTGAGGAGAAGGTGGTATTTGGGTCAATG	14637
TAACTTTCTACCTTTTGGAAGACTTCTGAAGAGAAAGGAAAGGAAGGAAATCAAAATAAATGTTTAT	14638
AGGAGGCTAGATAACTTTCGACTCTACTTCTATCTATCAAGTAGTTCGAATACTTTCTCTGTTCATCCTG	14639
GCTCAGTAATTGTCCTTCTCTGTATGTCAGATCCAACAGTGGGAACTGCAGCCACTCAACTACAATATTTAAA	14640
GGAGTCAGCTTGCACCAGTTAAGTCCTTGAGGAAGGGGCTGCCAGTGAAAGAGGCAAGATGGAGTCTGTCTGGC	14641
TTTGAGCCCAAGCCTGCACGTATACATCCCCTGGTTCGATCCCAGGTTTCGGCACCAAATTTCAAGCACGTC	14642
AACCTGTATTTTTGGTGTATGGTGATGAAAATATTCTGGAATTAATGGTGATGATTATACCTATAAATATAC	14643
GAGAATAGCTCAGCCTGATGAAGAGGCAGAAGCACATTTGAAATATTTATGGTTCAGGAAGCTAGGAAGG	14644
CCAGATAAAATCACCAGTGCTGGCCAATAAGTTCTGCATGGCTGCTATTGCTAAAACATGCTCATCTTATGCCT	14645
AGACTTAGCTGGGCCAACATTTGACTGCGGCCTTGGGAAACCCTGGAGAGGCGACTCATGATGGATACAGACAG	14646
AAAGGAGGAGGAACAGCCTCAGGGCAGGAAGAGGATGGGCTCTGTACCTGACTCACCTCTGTATTTTGGA	14647
CACGCGATAGCCCCCTCGAGACCACCTGGGGTAGGAACACGAGGCTCGGGCTGGGGCGCACCTATTCCCTG	14648
AAAGCACCAGGACGCAGCTCAGCCTCAGAGGCACCAGGCAGAGCACTGGCTGCTGGCACCGTGGGCTCCAG	14649
AGCCTATGGAGATGGCAGCATTCCTAGGTCTCACCACTGATTGGTACCCATCGCCCCATGCAGAGCTCTG	14650
TGGTCCCCTGACGGAGGCACACGGGACTCAGGACACCCTTCCTCATCCCCAGCACCTCCACCCGGGGCACA	14651
TAAAGCGATCTCATGGTTCTAAGAGGGGCAGTGGTCTGTGCGTTGTCACTGCCAGCCCAGGGTGATAGACGTT	14652
AACCTGGGTAGGAGTGTGCATGGCATTCTTCATCACCGCTTGGACTGCATGGCACTGAATACCCACGGAGAG	14653
TTCCTCTAAAGGTTTGTATTTGTTTGCTTGGAAACAAGTTACTACCAAATGGAGACCCTTTGAGTAGATTTT	14654
GGGTTGAGTCGGTTCCAACCTGGTAACGGGAGCATGGGGACAGGATAGAGGGAGCCGAGCTAAGGAGCAAT	14655
TTCTGGACCTGGGCTTGGAGAGAAGGGCAGTTCCTGTCTCTAGGCCGCTTGCTCTTGGAATCCGGCTGCTGC	14656
CAGGGAATCTGGGCCCGGATGAACTGATGCCCTGGCCTCTTTCCTCCAGGGACAAGGTCGGTCTCAGGAAA	14657
GGATTGCTGAGTCATATGTTAACTTCAGAAGAAAATGTCAGTTTTCCAAAGAGGTTGCGCCATTTTCCCGTCC	14658
TCCCAGAGCTGCGCGTCCCCGCCGTAGATGTCCGGGGAAGGCGGGGCTCCGGGGGCGCCGCGGGACCTGCGGGC	14659
GCGGGTGCGCTGGGGAATAAATGGGGGCTTCCCTCGGAGGCGAGGCCCCGTAGGCAGCCTGCACGCTCCACTGC	14660

Table 1. Novel miRNA sequences

CTTTGTCTGCCTTAAAGATTTCAATTTTTGGTGTTCTGACTATAATCAATGAGGCATATGAAGAAGCAAGGCAT	14661
CTAGTGGCCGGCTCCCTGGACGGTGAGGTCTTACCGGGTCCCCGGTAGCTCTTTGGAGGATGGCTCAGGGGGG	14662
CCAGTGGCCGGACGAGTCAGCTGGGAGAGCACCTGCCTGGGCAGGGCAGGGTGGTCTGAGGATTTGTGTCAGGG	14663
CCTGCCTTTCAACTACTCCGGAGTTGCAGCCCAGGAATCTGCGCCCCAGACCCGGAGGAAGAACGGGGGAGGT	14664
CACAGCCGCGCTATTCTCAGCGTCTCTCCTTTTATGGCTCCGGAAGTGAGCTGGGGTTGCTGGCAGCCTGGCT	14665
TCAGTCCCACATGGCTTGCTTACGAAGCACATCAGCTGCTTCATCGGGGGTGCTCCACTTGGCGTTTATGGGGA	14666
CCCGGAGCTCCGGGGCCAGCAGGGGCATCCAGCACTCCGAGTGGGAGGGGAAGCCTCTCGGCGCCTGAGC	14667
CTGGTGACAACAGCCTGTGTGTGTGACAGAACAGCCTGTGCGTGTGACAGGACGTCAAGAACTACATACAAA	14668
AGTCCCCCCCCGCCGCCCTCTTGGGTTCCCTCCTCGGGATGTGTCCGCAGCGATGGTCACCGGCGGCCGGG	14669
CACACAAAAACAGGCCAACACCCAAAGAGGCCCTTTACAGTAAAGAAGGGCACCACCAGGAGACCTGAGTG	14670
TTTGGCACAACAGATAATCGCTTTAATTGAATTCAAAAGTGCATTGTTCAGCAGCACTGTGGCCGCTCAC	14671
GGGCGGAGTGGGACGGGAGCGGTGGGTGGAGGGCCCGGGCACTCGGCCCTCCTGGGCTCCCCAGCC	14672
CATGGAGTAGGGCTGCTGGTAAACGACCAGCATTGGAGAAAGCTCACAAGAGGCTGCAGACGTCTGGCCAGC	14673
CCTGCTTCTGCCGCAGGGCCGCCTGCTCCGCCTGTGCCCGCCGCCGCCTCTTGCTCGGCCTCCTTGCGCAG	14674
GTTCTTTATACCGACTCAGTCGTCTCCAATGTTGCAATGGGAAAGTTCTCAGCTGCACGCAGGAAGCAAGGTG	14675
GAGCTCCGGACACGATCTGTGGCCAGGGTCTGAGTGACTGAGCGTGGCCAGGTCGGCTCTGCTTCTGCAAC	14676
TCCCGCCTCCCCCGCCCCGCCCCCGCAGATCCCGCGCCCCAGGCCCCGAGCGAGGCAGGCGGGACTGGGGTC	14677
GCCCCCAGAATGCCTGCCCAGCCCCTGCTCCCTACCCCAGAGGACTTTGGTTTGGGGGCCCCCACCCCACCC	14678
CCCCAGGCCTCAAGACAAGTTTCCTGCAGATGTCTGCTTGCAGGTGCCTTCTTGGGGTTTCCTTGGGTGCCCT	14679
GGACAGCCGAGGTGAAGCTTTCACTGTTGCTTTTCCCAGGGTGACATTGAGAGGCCTGTTTGTGTCAGCA	14680
TGACGTCCCTGAGACCCTCGTTTTACAGCATGTGCCGGAATCACAGACGGCGTCCAGGAACAGTGTGGGGCTT	14681
CTGAGGTGTTCCCTTGCTCTCTTGGTGCTTAACCATGCATTGTCCTACTAACATCCTCAGTCCCAGGGTCCAC	14682
ACTCCGCCCCCCCCGGTGTCCCCCGCCCTACCAGGGAGGGGGTCTGCCTGGGACCTGGGGCGAGAGGGAAGG	14683
CTTGGTTGCCCAGGCTGGAGTGCAATGGCATGATCTCGGCTCATCGCATCCTCCACCTCCTGAGTTCAAGC	14684
AAAGCACAAAGCAGCAGCACAGGAGGCCCACATTCTGTGCAAATCCATACAGGTGTGTTTTCAGAGTAGATA	14685
AAACCTTCTCAACCAGAACTTCTGGGAGGGGGATATCTCCCTCCCTCCCAGGAATCCACAATTGCAATGAGAA	14686
CCTGTTACAGAGAGTACTTTGCGAGGTTAACAAGAATCCAGTTATATAAATTGTGTGGGGGTGGGGCTGTGTG	14687
ACATCAGAAGCACAACGATGTTGCCCAGGAGCAGTGGCTCATGCCTGTAATCCTAGCACTTTGGGAGGCCG	14688
TGATGAGGTGTGTGTAACTGAGCCCAGGGGACAGACACATGAATCTATGTCTGCTCCCTCCTCGACACCC	14689
TGGATATATCTAAGAGCAGTTTTCCCAGGGAACCCTATCTAAAAGTTGAATTCGTTCTCAACTGTTTTTAC	14690
AAAAGCAGGAGGACAGGGGATTGATCTCCCAAGGGAGGTCCCCTGATCCGAGTCACGGCACGAAACTTCA	14691

Table 1. Novel miRNA sequences

AAGTAGGGACTGGAGTCTGGCAGACTTGTCAGCTGTGCTTCTTCTGGAGTGCTGCTATTGGCTAGTTTTTCTAG	14692
TGCACACTCTTTACATAACCTTGTCATCATGATTCTAGCTCCACCTGATGGGAACAGAAACTGATGATGGCTAG	14693
ACTGGTAACTTGTCGTGCGGAGCGAACGGCGGCGGCGGCGGCGGCGGCGGCACCATCCAGGCGGGCACCATG	14694
AGGATCTGTAGGTGCCGACGGTCAGAATTCCCTCTAAAAATGGCAAGGTACTGAACAAAACCATGTATAGA	14695
AGTGCTACCCATTGCATATGCCACCCACAAAGCCCAACTGGGTGTGGCTGAGTCTAAGCAAGACATAATCATA	14696
TCAGTTCTCAGTAAAACAATTCTGAGGCCTGTCCAGTACAATTTCTCAGGGGATCTTTGGAACTGAGCCAC	14697
TAAATAAGATAATCACATGGGGGAAGTGTTCAGGACTGGAAGTCAGAAGCCTGAACTGTCTGTCTTATTA	14698
AGGTGATGCTACACAGCTCATAAAGTGACTGTTAACAGTGAACAAGTTATTGTTTGTAGAAGTGCCTCAT	14699
TAGGAAAAATAATCATTTATTCAAATGCTCAGCCAATTTACTTTGGCCTATTTGTAGCTTATTTTTCCTG	14700
AACAATAGTGAAAACAGTTTATTTTTGCTTAGTGAGCATCTAAGTATGTGTGTTTTCTGTTTGTTTGTTTGC	14701
ATTCTAGAGAGCTGTCAAATGTGATTGCTGAAATGATTTCAGTATGAGCTTATCAGACTGTTTAGGAACA	14702
ACTGTCCTTTTTCGGTTATCATGGTACCGATGCTGTATATCTGAAAGGTACAGTACTGTGATAACTGAAGAATGGTGGT	14703
GGGATGCTGGTGATGATGGTGGTGGCTGCATATGTGCCACAGCAGAACTGGCTTCTAGGACTTTATATGGCA	14704
CATAACAAAATACCATGGACTGGGTGATTTATAAAGAAAAGAGTTTTATTTGGTGTCTGGTTCTGGAGGTTGA	14705
ATTTACGTTAAATGGGCACCCCTGGTCAACTACCCTTAGGGTTTGTACCTGCTAAATAGCCCGCTTGGTT	14706
TGGATGCTGCTACTAATCAGGCTCCCTGGTTTGGTCCAGCATTTTAATTTATTTAATTTATTTATGTATA	14707
TCACCTGTGACTTCCTTGCTTATCAAACTGATGCCCTGTATAGAACTTTGGCGTTGGAGTGGCAGACAATGTGG	14708
GTTAGCTATTATTGGAAATTGGCACTTTTAGTCCATTGGTGGTAAACTTTAGTTTCATTTTCCAATTTCTGA	14709
TCTTTAAAGCAAAATTCACATTGAGAACCCTGTAAAATAATCATAGGAGGGCTTCGCAAATGAAAGAGGCT	14710
GTGCTATGAAGTATAAGCAGCATTGTACATTTGATTGGTTTTTGGAAATAATTGCTTGTGTTAAAAGGCATGA	14711
AGTTGTACCTGGTTGATTTCATGGCCTCAGCCTCTGCCATGTCTTCACACCCGATATTTCAACCAGGGAGA	14712
TTGTTATCACAACCATGTAGCCATAACATAGGAAGGCCATCATTGGCTCTACAACACTATTGTCTGTGAAAC	14713
AGACTAGGGGGTGGGCCTGAGATTCTAACAAGCTGTCACTTGGTGCCCATGCTACTAGTCCATGAACCATAC	14714
ATTCTCAATAATGCTCCCTACAGCAGCTCAGGATCAGATTCTGAGCTACTGCTTCCAGAAGTTTTGTCCAG	14715
TTACTTTGATCCCCAGTGAATGCATTTTAAAGTAACATTATTACTTTTGGTGCTAGCTATGGCTTACCTGT	14716
ATCTCCATGCTGAGAATCACAGAAGCACATCTGGATTTGTTATATTCCTGTCCATCCAGCCTAAGGAGGAG	14717
AGTATGTTATACATGTGGCTTCAAAAACCCAAGGTGGCTCACCAAGAACCATAATTAGGAAATGTGAGGTGCAC	14718
TAAAAACTTTGAAGTTCCAGGATTGACCTAGCCATGAAAATTACAAGGACAACTTGGGTGGGGCACGGTG	14719
GAGCCCTCACACAGAGTCCCACCTGGGATACTACCTAGTGGAGCTGTGAGAAGAGGGCCAGTGGCCTCCA	14720

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Table 1. Novel miRNA sequences

GGGACTTGCACCATCTGAGGCTAAGGCCTGAGCTCTACATTGGGCCCTTTTAGCCACAGCTGGATCATAGGGCA	14721
GAAGCGCTGGGAACTGTGTATGTTTATATTTTCCATAATGGGAGAGATAGAGAGAATAGAAAATAAATTGGC	14722
ATGGGCCTAAAATTTCCATAGATTTATAACTGCCAAAGCTTATCAGTGACTACTCTAGTTTTTTAAGGACCCA	14723
TGAAGTCCACATCTAATCCTTGATGGAGCAGCCCCAGGATTGCCACGTGCTGCTGCATCAAGAGAGCTCTGCTT	14724
TGAAGATAATGAATGCTCCACTGCTCTGCCCTGGAGCCACAGAACAGCAGGTAACATGTCTTAGCTTTTTC	14725
TTTTTCATGGTTATTGGGGGTCAGGAATCCAGGAGTAGCTTATCAGAGTGATTCTGGCTCAGGGTCTCTCATGA	14726
GACTGTATATATCTACATACATTTTAGATAAATATATAAATGTCTAAATATGTATTTTAGATATATAAAT	14727
GGTTCCTTTTAATGAGAGGTGGTAATGCTCCATGATAAATAATCAGCTTAAGGATTAACCCTCTAAGCAAGTGG	14728
AGCACCTAACCTATAGGCCTGTGATGAGGGTTATATTAATTAATGCACGTAAGTTCTTAAAACAGTGCCTG	14729
GAGTTCCCCAGTCAGGAAACTGTGGAGTGAGAAGCTTCTACAGAGACTCTTGAAGAACCACATAGGCAAC	14730
AAAAAAGGCTGAGCACCTGCAGGTGAGGGGAAGCCAAGCAATAAGGTGAATCTCATCACAGAACCCAGAGGACT	14731
CTTGCACTCTGCACACAAGCAGAGTTGGTATTTGTGCCAAGGCCTACTTCTTGTGTTCTCCAGAGTGGTGG	14732
CAACCTGGGCCTGGCATGCATCGTTTCTTGGTACAGAACTTGAAGCAGACTTATCCATGCATCTAAA	14733
GGCTCCGGGACCCCCATTGTGCTCCCTGGAGGAGGGCAGGGTGGTGGTGAAGAACAGGGGCTCTGGATCA	14734
TTTCTTTTAGTCTTTGCAGTTAAGGGGACTGAGATGCCAGTTAAGACAGACATCACTGTGACAACCACTAAGGG	14735
GGTTATTCCATGAGTTCCATGGTGAAACATCAAGCTATACCAAGCTAAACAGGTTTCCCTAGCCATTCACTTA	14736
TGGGAGAGCAGTGGCACAAATACCCCATGAGCTGCCCTGGCTGGTGTCTCAGTAGGTCACATGCCACCCAAG	14737
TTAAATTCACTGCCGAAAGCTATGGCCTATCACTATATGTGAGAATTTCTATGGAAGGGCAGTGCTTTTGTA	14738
TTGTGTCTCCCAACAAGGTATGTCAGAGTCCTAACCCATGGTAACTGGGAATGTGACCTTATTTGGAAATAGG	14739
GATCCCTCTGTATCTCCTGCCTTAACAATAACGACCAGCATTATTGAGCTGGGTGGGCCAGGGTCTGGGCT	14740
TTGTAGTGCTTCTTCATCACTGTGTTGAAAACAGTAGTAGCAGCAGTGGTAAAGTGGTTAATACCTTCATAGC	14741
AAAATGGGGTGCTTAAAAATAATTGCTGGGACACCATCCACCATCTGATTATTGCCCAGTTCTGGACTCAG	14742
AGAATAAACTGCCTTTTGATGACCGGGACGAATTGAGTGAAATCGTAACGGACAGATACGGGGCAGACAGATTTT	14743
AGAATAAACTGCCTTTTGATGACCGGGACGAATTGAGTGAAATCGTAACGGACAGATACGGGGCAGACAGATTTT	14744
GAATAAAATAGTTCTGAGCTGGGCATAGTGGCTCATGCCTGTAATCGCAGCCTTTTGGGAGGCCACAGTGGGA	14745
TGAGCCCTCTCCATGTTGCTTAGTATTATGCTAAGTGCCCTACAGGATCGTCTCAAAGATGAACACTATTGT	14746
AAGAAAAAAATATTAAGACTACTATTTGTTATCTTTTTTTAAAAGAGGGAATAAATTAGTCCATGTTTTTA	14747
CCTCTGACCCATATTGAAGTGTTGTGTTCAGTGGGGATTAAAAGCCTTGTGAACTGGAGTAAGAAGAGCT	14748
GTTGAACCCAGGAGATGGAGGTTGCAGTGAGCCGAGATCGTGCCATTGAACTACAGGCTGGGCAACAAGAGTG	14749
TTAGTAGCTGAGAGCTGCCACCTTTAATACTTTTTGCCTTTACAGGGTTTGTTTGCATCTGTAGTCCTGAGCA	14750
TAGATCTTTTTGGAAACTCTACAGTGGGTTCTATTGCATAGCCATAGTGGGACCCCTTTGCCTTAGGGAGAAAT	14751

Table 1. Novel miRNA sequences

TGTCTTTCTAGTAATCCAGATATCTCTTCCCCATGCCTTTGGTGTGGTTTCGGTAGAGTCATACAGAGCAGCA	14752
TTTGCAGGCAGTTGTCATGTTTTGGTTGAGACCAGAATGTCCAACTCAACTACATGGGCTATGTTTAAATGTT	14753
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TGCTTTCACATAGCTTTGGGGCAACATTTGGTTTACAGGTCAAAAGGGTTTCTAAATTAAGTTTGCATATAGC	14755
TGGCGGCGGCGGCGGGAAAGGGGACTGGAAGCCGGCGGAACCCCCGCCCACCCGCGCCGGCGCCGCGCCGC	14756
TCATTTGAAGGTTGGGATGGAAACAGAAATACCCACTGAAAGGAATTGTTTTGTTGAGTCCATTCTTAATTTT	14757
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CTAATATACAATTATTGATCTAAAGGTTACAAGTTCAACTCCAATATAGATTAGTAATGATGTATTAACATT	14759
CCTTGGGGGAGGTGCAGCAGCAAACATTGAGGCTGCAGGGCCTCCCTGCAGGAACTGTAACTCCAGCCAAGGG	14760
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TCACTAAGTCAAACCCTGTCCCTGGAAAGCCTGTTCCAGGAGGAAGAGGTAAATGGCTGCCAGTGGGC	14762
CAACTGTAGAGACTAGTTTCCCAGGTGTGCCTGCAATGTTAGGGGGTGAGATGAAGCACCAATGGGGACTTTC	14763
TAGAAGTGGCGTAGTAATCTGTGCACATTGGTGTCAGAAGTGTTGTGTTCAGTGAGAGCAGAGATTAGGA	14764
GTTGAGTCTCTGAATCAGCGGCTGTACCACACCAGCATGGGCCACGGGAGTAGGGACTCGGCTGGCAGGACC	14765
GATTTGGGGTTGAATTATTAGGAAGCCCTTTGCAGATAGATTTAAACCGCATTCTCTAATATCAGCTTCA	14766
CTGTCTCTTTGTCAATGTGGGTAATCAGTAAGACAGTATGGCACAGTAAATTACTAGATTAAGAGGCAGCC	14767
TATTCATAGGACTGGGAACATGGTCACATGGTGAGTCTATTCATTATAAAAGCATATGTCTTTCCATTCTGGGA	14768
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CCTCAACTTTAGAAAATGACCTATTTTAACTATCTGGTCCCAGATTAGAGTAGGAGGGAAAATCAGAGAGCG	14770
AAATTGAAATGTAAGACCATGTCCACAGAAGTCTTTAAAAGAATGTCCATGATCTGCCATATCAATCTGGAG	14771
ACCCAGGCTGGAGTGTAGAGGCATGATCACAGTTCATGCAATGTCTGCCCGCCCCAGGGGTTCAAGCGATT	14772
GGTCTTGAACTCCTGAGCTCTACAGAGCCTCCAACCTCAGGCTCCCAAAGTTCTGGGATCAGGTGTGAGCCA	14773
GGCTGGTTCTGTGAAGCATGCAGGCCGGACTGCACCTCCCCCACTGCAGCTGGCGCTCTCGCAGTGGCCACTCC	14774
GGTAGATGATGATGGCCTGCACGGAGACGCTGAAGCCCTGGTAAAGGCCCCGGATGCCGTCGGACTTGCTG	14775
GCCTTCAGTTTTACTCCAGTTCTCAGGCCAGTGACTTTCAGTGAGAAGTGATTTAGAAGGTACTCTTTAGTAC	14776
ATGTGTCTGTTCTTGTACCGGTACCATGCTGTTTTGGTTACTGTAGTATAGCATGATGCCTCCAG	14777
GAACCCAGGCGGCAGGGGTTGCAGTGAGCTGAGATTGCACCATTGCACTCCAGCCTGGGCAACACAGTGAGA	14778
CTGGGATCGGTTCCCGGCCCATGCCAGTTTTGCAGAGCACACCTGGTGTAGAGCCCTGTGACTGGGGCCTGGA	14779
ATCTGTGGTGGCACAGTTAGTAACCTTTAGAGCTGGGAGTCAAATCCAGGCATTTTGCTTCCAGTATCTGTGCT	14780
AGAAAGAGCAGCAATGCAATATTGGAAAGACTAGCAGTAAGGAGAGTGGGCTCAGC	14781
AGGTGTTCAGGAAATGATGGATGAAGTGATTAATTCTGACATCAGCACTCTGATAATCTTCACAGAACAAG	14782

Table 1. Novel miRNA sequences

TTCTGAATTTAAAAGTTTCATGCCGTATGCCACTTATATGATGTATAATGGTTTACATGGCTTTATTTAGAA	14783
AGGCTGAGCTGCAGTTGCCCCGACATGCCACATGCCACATGTTTGCCAGCAGGCTGAGTCCCAGCTGTTTTT	14784
AGAATGAGTAGAGTAGGCTGGTCCGAGTGCAGTGGTATTTACAACCTATTGATCACAACCAGTTACAGATTGCT	14785
TCTGGCTGGGTGCAGTAGCTCGCGTCTGTGATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACAAGGTCA	14786
TTCTCCTCCAAGGTGAACAGCTCTGTTTCCTCCCTGAAGCCTCATGGGATGAATGATTCCTCTTTTGGCTGGAC	14787
ATTTAGTTCTCTTCATATAGGCGACTCACAGTATGGGTTTTTGGGGGTTGGGATTGGGGGAGACAGCCATTG	14788
AGCAGAGAGCTGACCTGATGAAGGTGAGGGAGAAATCCATGCAGAGGTCTGTGGGAAGATGTTCTGGGTAGAG	14789
AGGCACTGAAGCAGGGTAGAAGAGAGTGAGGAGCTCGGATGATGAGAGAGCCATTACCCTTTTCTGGGACCC	14790
CATGGATAGGAGATTTGTCAAAGATCAGAGGTATCTCCACTCACAATCCCTCCGTGGTTACCATCCTTCA	14791
TAGGTGTATATACAGGTATGGTGATGAGCATTGTGTCTAGCATGCTATCAAATTGGCTTATAAACAAACAAGC	14792
CCATCACAGCTGGTACTGCGTCTGTGGTGAACCTGACAGCAGGTAGGCCGGATGCTAGCTTCCGGGTGTGTG	14793
CTGGGCCCCGCGCGCGCCGCTCGTCCGGGTCAGGTCGCCTCGGCCCGGCCCGTCTCCGCTCGCTGCGCCGGCGG	14794
CTAAACCAAGGCAAACAGAACCTGCTGGGCGGGCTGGGGAGAAACCCCCGCCCCGGCCACCACTCCCAGGCCT	14795
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CAGACACGCCGCGCCCCCAGCGCGCCGCCCCACACTGCCGGCCCGGAGCGAGGAAAGGGTAGGCGCTGCGCGGC	14799
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GATAAACAGCAGGCTCAGACAGGCAGGAGGGACTTCCCGGGGACGTCTAGACTCTCTTCAGCCTGGCAGCTGC	14802
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TCTCCATCACATGCGGTCATCGGGAGCTGGGAAGTGGAAGCTCCTGTATTTACTCAGATCTAGAACCGTCAC	14804
GTGGGTAGAACCGCATTTCTCCATTCATTCAAGCATTGTTCATTGAACTAGGCTATATGGAACCCAACCATG	14805
GTGATATGGACGGCTGATGCGGTCTCAGATGAAAATGAGGAACTTACTGGGACTTGGAATAAAGGTCATGCC	14806
TCAGGCTATCGTAGCAGTGTTCTGGAATCCTGTGTGACTGACAAACATTGAGACCCCAGCAGCAGTGTTCTGG	14807
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GGGTTATCAGGCAGAACCAGTGGCCAAAATGTCCTAGAACTGGAGAGGTCCTTAGGGATGATCTAAGGTGACCT	14809
CTAGGAGAAAGATGAGAGCTTGCTGAGACATACAACACACTGAGTAGGAACATGGTCTTTGACATCTGATAGT	14810
GTGAAGCTGCTTGGTAAGTGGTCATTTCCTCATAGACTTTTGTTTTGTACTCTACTCTACCATGTATTTACAAC	14811
CCCATAAGGCTGTATTACCATCTACTGTATTTGGGCTGACCTATGAATCAGTACTGGGTTTATATAAAGATG	14812
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Table 1. Novel miRNA sequences

ACTGGCCAAGAACATCTTCTACATGCCCTATTGGATGATTTATGGGGAAGTGTTTGCGGACCAGATAGAC	14814
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GGTGGCATTTCAAGAGCAACGAAAACACGCATGCATGTGCAAATTTGCATGCAGATGTTCATAGCAGCCTTACT	14817
TATTCCCGATACCTCTGATTCAGTAGATTGCGCGACGTCTGGCAATCCAATTTTTTCTAAGTGCCCCAGGGGAT	14818
TGGCTACATCTCCCCGGTGCTTCACGCGGAAATACACGCTGCCCCACCGGTGTGGACCCCACTCAGGTCTCCTC	14819
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CGGGTATATACTATTGGCAAATTCATATAGATAACAGTGCAAATCCATGCATTTGCACTGGCCATAATTAGTA	14821
TCAGGTGCCAACTGTGGTGGGTGGGGCAGGTGATCCCTAGGCCCCTGGATGGTGTGCTCCAGCACTGGGTGG	14822
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TGTAGCCTCAGCCTCCATTTTGAGTATAAGCTTGACTTTTTATCACATCAGAAGCAGGGCTTTGTCACCGTT	14839
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ACTGATAGCTTATCTTCACAGGTTTGAGACAGAAAGTCATCCTTCTGCTCACCTGAGACAAATACATATCTG	14841
GGCCCAAGCTAGGGCAGTAGTGGGGCAGGGACATACCAGTGATTCCTATTCCAGTGGCCGCCATGCTGCT	14842
GTGACTTGCACATTTGCTTAGGGACCCGTGCCTAAAAGGACCCTGTACTTGGCGTAATGGTCTGCTATCATCAC	14843
ATTGATTGGCAGTTGCCTCAGCTGGGCAGCTTGGCTTTAAGGTAAAGGTCTAACTGGTTGGGGCTACTCATAGC	14844

Table 1. Novel miRNA sequences

TGACCTGTAGTGGCGGTTCACTACAGCAAGGGCTTTAATCTTAACTGTTAGTGGAATAAGAAAACCACCAGAGC	14845
TTGGTTTCCAGTGCTTTGGGGGGTTCCTCAGAGCCTGCCCTTGTCCTGTGTTGCTATGGGTTATCACTGA	14846
AGGTCACTGAGGGGCTAGTCCTTAGGGTCCCTACTGAGCAGGCCACATTCTCTCAAGCCTTAACTCCCTCAT	14847
GGCTATTCAAGATGTTCCAAGATGAAGGTGTCATTAATGATGTCCAATGTCTCTTTACACTACCTTTATCT	14848
GACCCAGCACACCATGTAAATAGACCGGTGCTCCCAACTTGTTTTATCTGTATGGGTCAGATCCTTGATTAA	14849
CATAGAAGGAGACCTGTCAGAAACACCAGGCTATTTTGACTGGGTCTGGGATGGGGATTTCCAGGGCTGTTT	14850
ACTCCTCCTGGGACCACCAGGCCACCCCAGCCTCTGCTTCTCCAGCCTCCTCCTGGGAAAGGTCCTTTCTTCTG	14851
TGACATGGCTGAGTGATCCCTAGGCTCCCAGGTATGCTCTGGTATTGGGGATGGTGGGGGAGCCAGGCCAG	14852
CCCCTATGCTTCTCTTCAGTACCCACTCCCTACCCCAGTGGGACAAAGTGGCTGGAATGGGCTGGAGTTGAGTA	14853
TCTTCTGAGCCTTCCCTTGTTTGATGTAGGAAAGATTAACTGAGAGTTTGACACCTTTGAAGGTGGGAAACAT	14854
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GGGTGGGTGGAGAAGGTTCCAGTTTTCCCTGGAATGAATTGTCAAGACTTTCCCCTCCAGGCTTGAAACA	14856
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CTCTCCGTCCCGCTCCGGGGACAGTGGCTCGCCTGCTATGCGCGGCAGCCCGCGCCGGGGCCGGCACCAGC	14862
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GGTCGATGCTCCTGGCCCAGGGCCCACAATTTGGGAACCACTGGTCTGACCTAAAGGCGTCACCAACCGCA	14868
GCTGTCTCCGACTGTTGCCTTCCCAGAGGGACTTTCAACAGTCTCTCAGTCGTGTGACCTACTTTGTCTA	14869
GTAGGTGTTTGCATGGAGGTGGTCTCAGCTGGAGGACTCCTGGAGTCTGCCCAAAGGATTCCCATGACCT	14870
CTTCCTGAGGCCTCCTTAGAAGCTGAGTAGATGTTGACATCATGCTTGTTGTACAGCCTGTGGAACCGTGAGC	14871
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ACCTTATTGGACCCCCACACATCTATCCTAGTCCTTCACAAACAACCTGAAGACAGATTAGATGTATTCATTGA	14874
CTCCATAGAGAAACGCTGCCCGTGTAACAATGCAGTTACGCAACCCGGTGCATGACACATGAATTGCAGCGC	14875

Table 1. Novel miRNA sequences

CAAAGCTGAAGCTGGTTAGGTACCATTAAAGTAGAACAGAAAAAAATTTGGTAGCCAGGAAGCCAGAGTCA	14876
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GTGATCTGTGCGTGTGACAGCTGTCTGTGCCGGCTGTGTGCACCAGCGTGCAAAGCTTCCTCAGGCCAGTGCAC	14880
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AGCTAGAAGCGCATCCGAGAGCGCGGGTGAACGGCTGCTGCTGGAAACCCGTGGACGGTGTGACGCATGCT	14882
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CGAATGTCTTGCTGCTGGGGACACTGGCTCTGTGTGACGCCAGTGCCTTCTGGCAGCCTCTGGGCCAGTGGG	14886
CCATCGGAGGTTTTCCAAGTGCAAAAAGATACATTGTTTTGCAGGTTGGAGGCCAAGTCTGGATCTCAGATG	14887
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TCGTGTAGCAAGGCCTGGTCACCATGGCAGGGTCACAGTTACTGATGCTGCCCCACTGGGCGTGGGCACCATGG	14889
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GTTATACAGGACTTAGGTTTATGGTGGGAGAGATCCCCAATGTGACTTCTCTTCTCCCCTGTCACCCTGTG	14891
GCATGCACACACACGGACTCTTTCTCATCTAGCATATATTAGTCTGCACATTGTGGCTGATGTATTCTGCCC	14892
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TGTGTGGTTTTTTTTTTTAAGTGTTAGATGTTTTTGATATTTTAAAAAAGCATCTAGGCTGCTTGTGGAAGTCA	14900
GGACTTGCCATTCCTCATGATTTCCGGGCTACAGAGTCATCATTAGCAGAGAGAATCGTGAGAGAAGAGAACC	14901
GGCACAAATACCTAACTGAATCTCTAGGGGCTTCAATTCCTGAAAACCTCAGAGGTGGGAGAATTCACGAGTGT	14902
CCAGAATCTAGTGAATAGAGGCTAAGGATGCTGTTGCTGAACAGCCTCTGATGCACAGAACAGCCCCCAC	14903
AAGAAGTTGCTGCACCTCCAAAGTTTTGTTCTTTCCACTGAATATTCCACTATTAGGTCAGCAGGCTCATTCTT	14904
TCAAACATTGCTGGTAGAAATGTAAAATGGTGCAGCCACTTTGGAAAACCGTTTGGTAATTCCTCAAAATGT	14905
AATACCAGTGGTTACAGGTGCATGCCACCATGCCTGGCTAATTTTGTATTTTTAGTACAGATGGGGTTTCACC	14906

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Table 1. Novel miRNA sequences

AGAAGCCCTGCCCTATAGGGATGTCAGAGGTCATCTACTCCCATCACCTGTTTGGGAGGCGCTAAGATGA	14907
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TTTGTTAGCTATGGAGACTTTTTTAGAGGATACGAGGTGAGTAAGACTGGCCTATTCTCAAGAAACCTGCATTC	14910
AATTTCCTTGGCCAAGCTGTATTATCATCTCTATATATCATACATGAGATGATATATATATGTACATAGA	14911
AAGTTATTGGGCAGAGACCTTCTGTCTGAGCTAAAAGGCCTGATATGATTTGCCTCTAACAGAGACTTGACTC	14912
AAGAGTGTAGAATGAGATGTGAAAAACTATGCTGTATTTCTACCCATCTCATCCCACTCGACTGTGTTTAATA	14913
ACAACATAGCATATAGATCCAAATAGATGAGTGAGTTCCAACTTATTAGAAATATGTGAGATGTAGTGCGTG	14914
ACAGAAAATGAACCATCCCTGAGACCCTAGGAACAAATGCCTGCTCAAGGATGAGGTTGAACCTGTCCAA	14915
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TGCCACATTTCCAATGGCTGCTGGCTCCCTCTACTTCTAGTAGACTCTCATATTGGCTTAAAAGAAGTGAAA	14929
CACAAAATATTATCACTGCAGCATGTAATTAATAAAATTGTTAATGAGATGTTGCACATTCACTTTGTTG	14930
CTACTGACATCTTGGGTTGGATACTTCTCTGTTGTGGGAGGTTGACCTGTACATTGTAGGATGTTTATCAG	14931
TCATTGAGCTGTAGTTCCTGGCATACGAATGCTTAATGTCCAAAAATGCAATGTCTGCCACCCAGATAAGTGA	14932
GTGCTGGGATTACAGGCATGAGCCACTGAGCCCAGCTGGCTATATGTCCATAATTTTAAAGATTACAAATGAC	14933
GAGGCAAGAGAAGCAGTAAAGAAGTGCTCACAAAATTCTCAGGACCCTATGAACACTTCTGAAAAAGGCTTA	14934
GGTGTGAGGTCTGAGGTCTAGGAGATCTGGGAACAGGTGATAGTCAATGTCAAAAACCCCATTTTC	14935
GGTACAACTCCAAATTTTTCATTTGAGTAACTGGGTGATTAAGAGTTTCATGAACCAACCAGGTGTGGTGCC	14936
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Table 1. Novel miRNA sequences

AGTCATCTGAATAGTCTGACTATTTGGTGGTACCTAATTACCTAAACAGAAGATCCAGAATTGAAACAGATGG	14938
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AAGATCGTAATACTAAATATTCAGCCAAGTGTGACTTGCCTAAAGCCACATAGCTAGTAAGTGGAAAAAGCTGA	14941
TCCACTTGCCCAGGCCTGAGAAGATGGGGGGGGCCTTTGGTCTCAGACCCCAGATCCTTGTCCTTCCAGG	14942
TCTTCTTCCTCAACGACCCACCAACCTGGAGAGGGGCTTATAGGGGTCCATCTCCACCACAAGGGCCCTCCAGC	14943
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GGGGACAGGCGAGAGGTGAGTCTGTGGCATGAGCTGCACAGGCAGGCCACAGCCTCTGATCCCCACCCCAG	14945
CTGGGGCGGCGGCGCCCGCCGGGGCCTTTTGAAGTCTCCGCTGGGGGCGGGGAGGGGGGCGCTGAAGGCGGCCTT	14946
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CCTCAGTCAGTCAGCAGGGCTTGGCCTGGAGGTCAGGCCTCTCTGTGGCTCAGACTCTACCCTTGTCATTCTG	14960
CCATGCATGTGGCATTCAGATGCTGAGTCCCCTGGGTTGGGGGTGTGGGGGTTGGGGTTGACAAGTCAGACTTA	14961
CAGAAGCAGAGTGACTGGATACTTCACTCAGGATCTCATCAGACTGAAATTAACGGGTCATCTAGGGCTGTGGT	14962
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GGCTAGCAAGGTGGGGGGGCGTACTCCAGACAGATCCAGAGATGTCATAACTGAAAGGGTCCTTATTTCACACA	14966
TTGCTCCCACAAGCTATTTTGATCTTTGGAATCTAGTCCCTACCTCTGGACTCAGACTGCCTCTAGCGTGG	14967
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Table 1. Novel miRNA sequences

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GTCTTATTGCATTAGGTAGGATTTCCAGTATGATGTTGAAAAGCCATGGTGAGAGGGAGCATTCTTATCTTGT	14982
ACCCGAGGCCTTTATAAGATGCTGCTTGGCATATCAAAAAGAAGATTGATTTGATGTGCACCAGCTGGCACA	14983
TGCTTACTACCCTTTAGTCACTGAGAAGCAAATCCAAGCTTATCAGAGTGTACTTGAACTGAGGTCCTGACCA	14984
AGTCCAGGGATTCTCAAGCCAGGTCAGCAAAGGGGCTCTTCCTCTAATGGCCCCTTTCCTGGCCATCGATCC	14985
ACCACTGTTCCAGCCACTGTCGTCCTGAGTCCACGGGGATTCAATGGCCCCTTCGATGTACCACGGGCTCAT	14986
AACACTGGCTTCTTAACGCCTGCCTCTCGCTCTCTCTAGATACCTTGGAGAGCCAGGCAGCCTTCAGCAGCT	14987
CACCACGGCGGGCGGCAGCCGGACAGCAGGCTGGCCCTGTCCGTCCGTCCTCCTCCTCCTCCCCGCCCTGGTGG	14988
CTGATGGCTGCACTCAACATTCATTGCTGTCGGTGGGTTTGAGTCTGAATCAACTCACTGATCAATGAATGCAAACTGCGGACCAAACA	14989

TCCTTTTCACAGTGGCTCCTGGAACACAAGTTCAATTATCAGAAAATCTGTAACTTGAACCTTTTCTGGAGAG	14990
TCCTGTCATCCCAGCGAGGCCTCCGACCCTGCAAAAGGCTGTGAGAAAAGTGCCTGCTGCTGGGGGGCCTT	14991
CTCTTTATCTTACTGTTCCATCTCACCTGAGCCTCTCCCTGTCTGGAGTGCTCTGAGGCTCCTGATGGATCT	14992
CATGTGATTAGAGTGTTGGGGCTTTGAGGGAGCTGGAGATTGAGTTCAGTCATAAGGCCAATGATTCAATCA	14993
TAAAAATGTAAATAGTAATAATAGTAGCTGTTGTTGACATTGTTGTCATTATTATTCTTATTATTGAGACAGA	14994
CAGCTTTGACCACCACTCCCGCCCCCAACCATGACACTTGAGTGCAGGTGTCTGATCTCTGCGGTGTAAGCC	14995
CTGTGGCTCAGAGAATTACACTGTTAGCCCAAGGCCTCAGCTTAGGTTTCAGCCTCTGTCTTGGAAGAGCCAC	14996
GTTTTTATGAGTGTTTGTGCAAATACATGCATTTGATGTGCATTTGTTTTGGTTAGTACCGCTTTATGTAGGAG	14997

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Table 1. Novel miRNA sequences

GTCACCTGTCAGTACAGGGCCACAGGGTGTGTCCGTGGACTCCCTTGTGTTTCCCCAGTACTTGGTGGTGGT	14998
CCGCGAGGCCCCGCAGAGCGCGCCCCGTCTCGCCGCGCATTCCAGCCGCGTGATTGACGCGCGTACCGGGGCC	14999
TCCACCTGACCTAGTGGCCACACTAAGGTCTGCAGCCTGACCTCTGCGGCCTCTGAGTGGACAGACACTGG	15000
ACTTGAATCTGAGAGGCAAAGGCTGCAGTGAGCTGAGATCACGCCATTGCGCTTTAGCCTGGGCAACAAGAGT	15001
TTACAATGCAAATTGTCTGAGGGGGCACAGAAATGTTTTAACCAGCAGAACTCATCCCCACATAGTTGTGAT	15002
AGGGAGGCTGGTGGTATAACGCCTGTGCCCACTCCAACCTCAACGGGGGTCTGGTACCGCGGGGGCCATTA	15003
GCAGCACCCCTGCCCTGGCTCAACAGCTTCACACGATCACATGCGGTCAAATAAGGCCAGGATGGGAAGGGA	15004
AGTAAACCCCAGCTTAGGAAACAGGGTTGTTCTTCATGTGGATGACTCTGTGCCGAAAGCATGGGAACAGCC	15005
GGGCCAGGGTGGCAGACTCCAGCCCTTTGGGATCTGTCTGTGGGCTGGGTGCACTGGGGCTGGCTGGGGGCCC	15006
GAGCTTGCTCTGAAAGCTGTCCTGTTCCTGGCCTGAGCTGGGAACTGGGGACAAAGCAGTGACATGAGCCCT	15007
GGACAGGCTGCAGCCCTCCCTGGGGTTGCAAAGACTCCCAGCATGGACAGTGATGACAGCCTGGCTGAGCTCTG	15008
GCCCGGCCAGGCAGAGCAGTTTTAAGAACGAACAAGGAGGAGCCCCAGCTGATGGGCGAGGCCAGGCTGATGGT	15009
GTCTCCTGATTCCTTTGATCTGACCCCACCAGGGTGGGGGACATGTGGCGTAAAGGGCAGTGATTGTGACTG	15010
ACCAACTCGGGGGGGGGCCCGGGCATCCCGACGTCGGCCCTAGGGGTGCAGGCCCAGGGCTCCCGGCCCCGA	15011
AGATGAAGACACCAGTGGAAAGTTTTGAGATTTTAACTTTTAATCATCTTGCCATTTCCCCAACTGACGTC	15012
CGCGGACGCCCGCTGCCATGGCGACTCTGCTGCGCCCTGTCCTCCGTCGGCTCTGCGGGCTCCCGGGCCTACA	15013
CCCCCTCCCCCGACCAAGGACCAGAGCTTGATTCCCAGGCTCCAGCAGGCTCCTGGGTACCTCGGGGCTAGCAG	15014
ATTTGAAATGAGAATAAGGGGCCGGGCTCACGTCTGTAATCCCAGCACTTTGGGAGGCTGAGGCAGGCGGA	15015
CTCGAACTCCTAGCCTCAAGTAATCCGAGAATCGCTTGAACCTGGAAGCCGGAGGTTGAAGTGAGCCATGAT	15016
TGAACATTTCTCCAAGGCCTGTGATGGGAATCTGAGGCACTGGCCTGTCTGACAGCAAGGAGTAAATGACCCTG	15017
CCTGTACTCCCAGCTACTCAGGAGGCTGAGGCAGGAGAAATGCTTGAATCCAGGTGGTGGAGGTTGCAGTG	15018
GAGCCCAGCAAGCACTCGGGCTCCTCCCACAGTGTGGCCTCGGTGAGCAGCAGGTGCCAGGGCTCCAGGGCTC	15019
GGATGAGTTTCAGGCCTCAGGAGGTGTAGGGGAGCGCCTGCAGAAGGGGCTGGAGCGTCGGGCCAGGAAGAC	15020
CATCTTGAATGGGGGCTGGGTAAAATGAGGCAAGACCTACTGGGCTGCTGCATTCTCAGACGGTTAAGGCAT	15021
GCATCCCGCCCCCACAAATACCACTACATCGACGACCTGGTGGTCATCCTGCCCCAGAACGTCTGGGAGCACC	15022
GCGTTGTCCCCCAGCATCTGTAGTAAAGGGTAACTTCCTTTAACAGGAACGCTTTTGTCATGGCCTGGGCAC	15023
CTCTGTGAGATGCGATGTCACCATTTCTCAGCTCCGGGTGCCCTGACCATGCGGCTGGGGGGGGGAGCTCCTT	15024
CCCTACTGACCTGCAGGCCAGGGGTCCCTGCAGGGGACACAGGGTTTCCATCCTTCAGCCACATCAGTGTGGG	15025
AGCAACCCAGTGTTCACTGATGGATGAACGGATGAATGATATGTGGTCCATCCATACAAAGGAATATGATTTT	15026
GCTGGCTGAGTTGAACGAGGGCGTTTTGGCCCCAGGACTTCTGTGGGCCGCAACCTTTCTGGAGGGCATGCAC	15027
TGCAGGTCCAGTGTTCCTGACTGAGGTCCGGCTCACATCCGCCCGGCCAGGGCTTTCCCCGCCAGCCTCCTGGG	15028

Table 1. Novel miRNA sequences

CTGGAGCCGGCGGGAGCCCCGCGCTCGCCATGTCGGGCGAGCTCAGCAACAGGTTCCAAGGTAGGCGCCG	15029
GAGGATAGCTTGAGTCTGTGAGGTTGAGGCTGCAGTGATCCTGCAGATCGTGCCACTGCACTTTAGGCTTGGG	15030
GAGCCCGCGGCGCAAGCGGAGCCGGCCCGACGGCAGGCGCCGGGCCAGGGAGCCGCGCAGCCCTTGCAGCCGCC	15031
GAGTGGGCATGGTGGGAGAGCAGCAGCCAGCTCCTGGGGGTGGGTTAGCAGGTGCTTTTATGGGGCCCTGGA	15032
AAATATAATTCCCCTCTTAGGGCTATAACAACTTTGTATCTGGAGTCTAGTCTGGACACGGGAGCCACCC	15033
TTGCGCCGCGCGCGCCGCTCGCCCCAGCCTCCCGGCCTCCGGGCCTCGCTGCCTCCCCGCGCCCGGCGGCGT	15034
TGCATTTCCTCATTAAGTCCTATCCTGTGAGGATCATTGTCCCCATGACACAGATGAGGAAACTGAGGCCA	15035
TGCTCTGAGGGCTGCTGGGTTTCTGTTTGCCAGCCGTACTCGTGTGTGAGCTCTTCTAGCCTTTGATGGCCCTT	15036
AGTCAGTGCTCAGACCCTCAAAAGGACAGATCCATTTGTCCAGTCTGCTGCACGGTCTTTATAAACGATCAT	15037
CTTTTTTTCGGGTGGCCCAGTGTTCAGAAGCAAAGTATTCCTGTGTTGCTGGAAGGCAGAGATGCTCTCGTG	15038
TGTAGGTCAGAAATCTGGTATGGGTCTAACTGGGCTTAGGTCAAGGTATCAGCCAGAGCTGTAGTTCTCACCTG	15039
GTCGAGTCACTGGGTCCCAGGAACCACTGTTTTGGAGAGTTCATTTGTTTCCCACAGCCCTGCACTCCACCGC	15040
TAGGTCGGTGCAAAAGTCATCACGGTTTTTACCATTAAAACCGCGATGACTTTTGCATCAACCTA	15041
AGGATCTGGGTGAGGCAGGCGGCAGGGGTTGGTATCCGAGCAGGGATCCGAGGCTGTCCCCAGCCTCGGCCTCT	15042
GGCTCTGCGCGGCCCCGTTGTCATTACAGGGACTCCGTCCCTGGGGAAACTTCCCACGTGTCAGAACCTTCCC	15043
GAGAACAGGGTGGGGGTCACTTTGAGTTTATGGGCAAATGCCTGGATGTTGGTTTAAAGGACACAGTGGGAA	15044
GAGCTTCTGGAGCGCAGGTACTGGGTCTTGCTAAGTGAACTGTTTCCCAGGAACACCTCTCGGGCCCATCTGCG	15045
GGCTCTGCTGCTCCACCCACTCTCGCTCCCCTCTGTGCCCTGACTCAGCAGGAACAGAGGCTTGAGCTCCAGGC	15046
CTGCCAGGGGGACGGTAGCAGCTGCACCCACGTGACGGGCAACTATCGCAAGGGGAATGCCCACCTTGGTAA	15047
CAGCTTCTCGGCCTCCAGGTGTCTCGAGCGTCACTGCCCCCCACTGCGCCCGCCCCCGCCCCGTGCTGTCCAG	15048
CGGGCTCCGGGACGCGGGCGGGCGGCTGGAGGGTGCGCCCCGGGCCTCCGAGACGCGACCTCAGGAGGCGCG	15049
TCCACCAGCCAGCAGCATCTCATCTGCTTGGGGTTCTTTAGCCAGCAGGCTGACTTATGCTTTCGCTCCCC	15050
AGCCTGGCGGGAGCGCGCGCGCGGGGCGGGGGGCGGGGCGTCGGTGCGCGCGGGCAGGTCGGCCCCGCCCGGG	15051
CTGGGTGAGGGCTGCTGGGTGCCTGGAGCGCGTATGTCCCCACCGGGGCAGGCCAGCCCCGCACTCCACCCGG	15052
CCGGCGCGGCCGGCCCGGGCCCGGGCGGCGGGGAGCCGGCGGCTGCGGTGGCGGCGGCGGCGCGCGGAGG	15053
GGACCAAGTGACGGCCTCTCTATCCACCCCAGCGTGGCGCATGCTCAGGGCCCTGGTACCCAGAGGCCTTTTG	15054
GGTGGGAGGTGGAGTCGGCAAGGGCTGGGTCAAGGCTTCGGAACTTTTCTCCTGGTTTCCAGCAACTCCTGTT	15055
CTAAGACTAGTCTGCCTCACTGGGTTTCGGGCGTGCTTGGGGCCTGTTATCCTGTCTTCTTCACCAGTTAT	15056
CCCCTGGACATGTGGATGCAGCTTCAGAGCTGGATAATGGGTAGAGGCTGGAAAAGTTTTGAGGTGTGTGC	15057

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Table 1. Novel miRNA sequences

CGAGGCGTCTTCGGTTCCTTCTGCTGGGCTTCTGCTCGCTGAGAGGTTACTGGGGAAACCTCCAAGAGTC	15058
GACAGGAAGAAGGCTGGACCACCTCACTCCCGGCTTCTGGGGTCTTCCCGGGTGAGGGCTGGCTACCAAGTA	15059
AAAGCACCGCAGCTTGTCACAAGTCGGGGGACCCTGGGGTCTCCTCTCTCTCTCTCCCCCGCTCCCCAGGCTGT	15060
GACCATACCCAAGAATGACTAAGGGCAGTTTGGAGGTTACACTGTTATAAGTTTTGCAAAGATGTGTGGTTTTT	15061
GCCTGGCGTGTGCACACGCAGCCAGAGGGCCAGGGGGGTCCCACATCTGGCCGAAGGGCTTCGAGGCACA	15062
CCTGGCCTGGCCCTGCTCCCTAACTGTCCCCCAGGAAGGCCTGGCTGGGGAGGGGGCAACACCACTATGGG	15063
TTACCGCATAGCACGCTGGACTAGAGCAGTGCAGTCCTGGCGTTGATCTCGGCCACTGTGCGTTTTGTACATG	15064
GACACCCTCGTGTGGATTGTGGCACATGGACCCAGTCCCTGTCACCCTAGTCCAACATGGTCAGGTGCCAGC	15065
CTCTGCACTCCAGCCTGGGTGACTGAGCGACACCCTGTCTCAAAAGAGCATGGGTTCCTTTGGTCCCCCCAA	15066
AGGTTGCTGATTTTTGGAACTAGTTCTCGAGTCTCTAAAGGACTCAGTAAGGTCAGCTAAGAAGCCTGTC	15067
GGGGACCCGACTCACAAGCCAGGTGTCACAGGAGGCGACTCCAGGGCACTGCTCGCTGGAAGCAGGTAGGGCCC	15068
CTGCCAGGAGGCCCTTGTGGTCAAACCGTTGGCTTTTGTGGGGCACAGTGGCATGGGCTTTGGCTGGCAGCCAC	15069
CGGGGCAGGACTGGCCCGGGGCCAGGGCGGAGGTACCCACCCCTCCCGGCGCATCTGCGCAGCTGCCTGG	15070
AAATCTTCACTGCTGTCAACGCAAAACTGTTCAATCAACAGGAATATGAGTTGTGTGTTTTGTGAAATTAGCA	15071
GGGGTCCCAGGCGGTTGGGCCTGTGCCCTCCGGTGCGCGAGGGGCCCGGCCCCGCCCGGCTGCACCTCTCTCAG	15072
CTGCCGAGGGGGCCCTGGCCTGGATCCATGCTGGGCAGAAGCAGCTGGACACTGACCAGGACCCCCCAGGGC	15073
CCATTTCCAGGGGTGTAAACCAGGTGCCCACGATCATATCAGTGGTGAGGGGCAAAACCCAAGTGGGCCTAAC	15074
GCCTCCGGCGCGACCGCTCTCCAGGAGTCAGCGCCGCCATCTTGGCGCCGGCTCGGCGGGACGGGAGGGGTGC	15075
AGGCTCTGCTGGAAAGGCGGCCGCCGCCTCTGTGTGATGGTGTCTGTTCGGATGGCGCATGCTCCCCTCC	15076
CCACGGCCTCGCACCTTCTTCTCCTGGCTTGCCAGCCAGAGGCGCTGAGGTGTGCTGGGTGCACTGGAGCCA	15077
CCCCGTCCCTGCCTGACTCGGGACACAGAGCCCAGGGCCTGGGAGTGCTCAGGGCAGGAGACGCGGCAGATG	15078
GCTGGACAGGGGTGCTGGGCTTGCCTCCCCCCACCGCCCGCTGGGAGCCCTGATGATGCCCACTCCTGAGCTTC	15079
CTGGGAGGAATGGCAACCATGAACTGTTGTCCAGACCTTTGCCCCAGCACCCTCAGAGGGGGCCTGCCTCCCA	15080
GCTGGCGATGGTGTGCCTCCGACGTTCCCCTCGGGCACGGGGAGCCCGCCGGGCATCCCCTGAGTCCGCCTC	15081
GGTCCCAAGGCGCCTCCCCACGCGCCGCAGCACTAGCTCGCCCGCCGCGCCGGGGCGCCTTTTACCTTCTT	15082
GCCTCGCTCTCCGGGGTGTGCTCTGCTGGCCACCCTGGGTGATGGTCGCTCCCCGTCCTCCCACCCTGAACT	15083
CCCCCACCTCAGGGTCAGCTTGCCGTGGGGCCGACCCCCAGCGCCTCTGCCGTACCCCTGGTGGGCCGAG	15084
TCGCCGCCGAGGCGGGCACCCTCCACTAGAGCCCCACGTGCCCAGGGGGGCCTGTGCCTGTCCTCTGGCT	15085
ATACAGCCCTTACGCGGTTCCCGGTATTTTGTGCAGTATGTGCACGGTACCGTGCTGCCATATGCGGTGTGTAT	15086
TTGCTGTCCAGTTTTCCCCTTCACCAATTCACACGAGGTCACGAGCCTGGCAGCTGTCCGGGAAAGCTGA	15087
TCTGCCTGTGAAATGGCAAAAGCAGTGCCACTCCTAGAGTCATTAGGAGGATTCTTGGTATGCGTCAGGTGC	15088

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Table 1. Novel miRNA sequences

TGCTGGTTTCGTAGGATCTTATCGGGACCTCACTCATCTTTTCACTAGGAAATCAGACACTGCAAAGGACTT	15089
CGCTCCTTACATGTAGAATGTGGAACTGAATCGCAGCTGTTACTGTTACGTAATCCAGGGATACTAGGAAGT	15090
TCCATTCCTCGTCCTACAGTGTTAAAGATAGAACCTTACTCTAGGGAGTAGGAGCTTTACATGGTGAGAGAGAG	15091
AAGTTGATGGAATGGAGCAGCATTGCGTGACGCCAATCACTGATTCACTTATGCTTTCTATGTGGTTTTTCCC	15092
TGAAGAGCGTTACTGGCACCAGGTGGATGGAGGCCAGGAAGCTGCTGAGAGTCCTACAGTGCACAGGACAGC	15093
AGCACCGCGGGTCGCGGCTAAGGGCTCTGCCATGCACATGGAACCCTGGGGCCTCCTCCTTCTGCCCAGA	15094
GAGAGAGCAGTGCCACGTGAAGTCACCTTGGGAAGAACGGGCCCACCTAGAGTGTGAACTCAGAGCAGAGGC	15095
AGAGCTAGCAGCAATGCCCAGCCAGTCCCTCTCATGCCGGCTTCTTTTTCTGTTTCTCTCTCTTTCACCT	15096
TATCTGGGTTTGACATTCGTTTTACTCACAGCAAATCAGAATTGTGCTGCAAGTGCCTGTCCTGGACTTCCCA	15097
CAATGGCAGGGCCCAGAAGTGCCCGTCAGCTCTGACACTGACCCACTGGCATGGTTGCAGAACCCTCCATTG	15098
TGGCAGGGCCTCGCTGACTGATGGCAGTTTATGTTTGATTGTTTTGAGAAACTGCCAACTGTTTCCCAAAGT	15099
CATGGCTGCTGGTGGGACCTGGTGGTCTGACAACAGAACACCACAAGACATCCCTCAGGGACCGTGTGTCCTT	15100
CCCTTTCCTGGGCTCTCCTGCCTGCTGCGCCACCCTCCCCCAAACACAGCCTCAGACCCATGGTGCCCAC	15101
GCGGGTCCCCCAATAGCTGATGGCGAAGCTGTGAATTCAGACCCCCACTTCGCTTGAGCAGTGACGGGAAGC	15102
AGAAGCTGGAAGTTAAGGGCAGGCCCACCTTAGGTAAGCAAAGCCTGGCTGTGGGAAGCAGCTGCAAGGGGG	15103
TGCCAATAGCACTGGGTAATAAACACGTAAGTTATTGTCATGGGTGATTTGCAAACCTGCCAGCAAGGCA	15104
AAATGGACTGTCGCATGATTCTAGGTCTAGAGGAAGCTGATTGCTGCTACTGGAAGGGTCAGGCTTTGAAGGAC	15105
ATACACAGGTGTGTATATCTGTTAAATGTGGTAATTTACATACCCAGCAGCATTGTATGAAAGTGTATGATTC	15106
GACTGAATCAACCACATACTCTATGCAGTCAAACATGTGCATTAGATACGTGAAGATTGGCATGGATCTCAAG	15107
CCATGTGGCCAGTGCTCTGTGAGCCACAGTCACTTGTGACGTTTGTCAACATGGGTGCTGGAACCAGGAATC	15108
AAAATTTTATATTTATTTTAAAATAATGTTTTCAGTATTGGCTGAGTAAGCTCATACTGAATTGACCCTTC	15109
GTGAATTACTGTTGGAGGTGATGACAGTTTAACAGATTGTGAGACACTGTCATTAGGTCAGCAAGTTACGGT	15110
TTTCTCATTAGGTCCAATTAGTATGGTGTCACCAATATATGGATCCATGCGATTGATTATCTGTGGAGTGTC	15111
AACAGCGAGGGCCTTTCCAGCAACTGCCACGGACTGCTGGGTAGGAAGCTGCGCTCTCCTCACGCTGGGCA	15112
TGCAAGCCCTTTGTCGCTCCGCTTCCACGTATGGGAATTTATCCTAAGGGAAGAGTCTTGGGCACAAAGACG	15113
TACAAACTCAGTCTGTCTGGCCTCAAAGACTGTACTCTTAACCACAGTGTACACTGTCTCACCTGCCGTACAG	15114
TTATTTGTTTTACGGCCTCTAACATTTTATTTTGAAAGGGACTAGTCTTTAAAACTTGGCTGTAAAACAAA	15115
AGTAAGGCCTGCTATGCCCAGAACCTACCCAAAATGAAAGTCTCAAAGCACAGTGGAGCCAGCTGTTTCA	15116
AGAAACTTTATCTGAGGCTGGTCCGAGTGCAGAGTGTCAATTGATCACAACCAGTTGCAGATCTCTTTTCT	15117
AGTGCTTCTTGGGAAAATTATATTAAACCATCAGCAGCAGCATCATATGATGGTTTGATCTCTATCGTTCAT	15118
ATTTCTAGATATAGTTGCTGGAATGTGTGTCTATTAGTTTAGACAATCACATTGCCAAAAGCAAAGTCCTCT	15119

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Table 1. Novel miRNA sequences

TGCCCATTCTTCTGGGCTGGCTTGGCATGAAGAGCAAATAACAGCAGTGTTAATCCCCAGGATTTGGAAGGG	15120
GGATGGTTATCCTGGATTATTCAAGTGGACTAAATGTCATCAAAAGGGTCCTTAAAAGTAGACAGGGGAGATG	15121
GGTGACAACATGGCAGGGTCAGGAGTCCTCACAGTAGTCAAGCGTCCGCTCCCTGCAGTTCAGATCACCA	15122
TGATCCTTCCTATGCTGGATCTTAGTACAGTCACTCTTCAACCACGGGTAGGATCAGATTCACAAGACACCT	15123
TACACTGAGATGGGATGAGTGCCACAGGATGCTTAAAAGCTGCCTGTTAAAAATTCAAATTCAGGGCAGAAG	15124
GAAAGAAGTAACCACACTGCTAATGCAGTTAGTGTGGCTGCCCCACATGAGTACTGTGAGCACTGAGGGAT	15125
TTAGCCTAAGTTCCTGAAAAATGACAGCAGTGTCACCTATGTCAGTAGCAATGGCATTTTATTGAGCTTT	15126
GAACATTCATCATTAGGTCCTGCTCAAGTCTGGGGAATCAGAAATGGCTTTTCTGGGGAAATGATGTTCAAG	15127
CTCACACTCACAGGCAGTTCATGGGGTGAAAGGCAACGTGCCAGCCCCACAGTCAAAGGAGCCTGGGCCTGA	15128
CAGATGCATAGACAAGAGGCCATGATTAAGAGCTCCTGCTAAGGACTCTGAATTGTACCCTGTAAGCCAA	15129
TCTGTTGTTGAAGCCACTCGGTCTGTGGTATTTTGTAATAGCAGCCCAAGTAGACTCATACAATGGTGAA	15130
CCTGGTGCCTCTCATTTTAATCTCTTTCTGCAAGTCGCTTATGATGAAAGAGGTTTCTTGAGAGTGTGTCA	15131
GAGATAATTCCGTGAGAAAATGTAATTGACAACCATATAGTAGGTCGAGAAGATTTTGACAAGGACAGTCTT	15132
GAGGAAAGTATTCAACTTTTCTAGGCCGCAGCTTCTTCGTTTGCAGTTGCCTGGTGACGCCTCCCCTCCAC	15133
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CTCAGAGAGGGTTGACTTGTACCAGCCATATCCCACTTAAGGTTCTAGAGAATCAGACAGTCAAAACCCTC	15135
GTTAGAGCTAGAATTTGATTTAATTCGGGCCCGTGAGAGCAGGATCTTTGTTTAATTCAGTGCTGTATCCT	15136
AGGGTGTCATGGAGAGGGGCTACATGTGATGAATATTAACATCACCTGCGAGAAGTCATGTTGATAATGTACCC	15137
GACCATATAGGGTAACTTATGAATGTTGCCATGGCATTTGTAAACTGTCATGGCACTGGTATGAGTTTCCTT	15138
CTACAGGCGCCCACCCCCGCGCCCGGCTAATTTTTTGTATTTTTTAGTAGAGACGGGGTTTCATTTGCCACAG	15139
TTTTAAAAATTTTTTGACATTTCTTTGACATGTTATTTAGAAATATGTTGTTAATGTCCAGATGTTTTGGGATT	15140
CTCCACCTCCTCTTTCTCCACCTACCCCTTGTAGGGAAGGATAGGGGCACACAGCTGACACAGGTGTATCTC	15141
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AGGTACTAAGTGAGTTGTCAGTGGTTCAAATACCCTCAGGGGTCAAATGGCAAATGTTGAAATAGCTCTTGGAC	15143
AAAGGGCCTGCCTCTCAATGATGCCACCTTGGGAATTAAATTTCAACCTGAGGCCAGGCACGATGGCTCACGCC	15144
GGAGATGCCTCTTTTTGCCACCAATCCCTTCGATCAGGATGTTGGTAAGTGTTTTTGCCTCTCCCTGCCCA	15145
AGGCTGGAGTACAATGGTGCAATCTTGGCCCCCTGCAACCTCTGCCTCCCAATTTCAAGTGATTCTCTGGCCTC	15146
TCCTGTTTATTCTTGCCTGGATGATCTATTCCATTTAGATAGCTAGAACATTCAGTAGCTCTCTTGAGGGA	15147
CAGTCTGGAGTCAACGTGGGATGACCGAGCTTGGTGGGCATCCGCCATTACTGAGTCTTCAGGAGGCTGTT	15148
AGAGACTCATTGTTAAGGGTTTTTATTTAGGGCTGATCACATTGGGTCCCTGATCTTTGGAACCCTGAGTGTT	15149
TTAAGGTTAGACTGGACTTCTTCACATGTATTTTAATGATGAAGCTACTAAGGCCCAGTTTAATGCGGCCCAG	15150

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Table 1. Novel miRNA sequences

AGTGGTATCCCATTGTGATTTTGATTTGCATTTTCATGACGACTCATGATGGTGTTACATGATCTTTAATGA	15151
TTAGCAGAGTAGCTGATACTACCCACTGTTCTCTATGATATTGTGGGGCATATTTAGAAAGCTTCATTGTGTA	15152
GTGATTGTGCCCAAACTGAGTTGTTAGGATTTTTACTGAAGGAGGGTCAGGATGATTAGATAGCAAGGGTGGG	15153
CCACGCCTGGCCGTTTTTAATTTTTATTATTATACTTCAAGTTCTGGGATACTTGTGCAGAACGTGCAGGTTTG	15154
ACTTGCGGTTAAATGAAGGGTGCAGAGAAATTTGAGAAAGTCTCAAAGCCACTCCCATCTCTCTGGACTGC	15155
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GATGTTTTGCCTACCTTCACTGCCCTTGAGATGTCATCAATTCTGCGTCACTGCTGTGATCTGATAGGCAT	15157
GGGGTGAGAAGGAGAGGACAAAGCTAAAGTTGAGAGACATTGCAAAAGTCAAATCCATGCAACTGACCACAGA	15158
GCACACACATCAGGTGGGGATTTAGCTCAGTGATCTTGATTCTCGTTGTTCGATGCATTTCTGCTTGATA	15159
TACACAAGCACATGGCCATTGGTTATCAATTTGTTCCTCCAGAAACTCTCCCTTGTGGTCTGGATTGTATAA	15160
CATTTGAAGGCATTTCGGGGGTAGACAGAGATTTCCTCGTGTCCACTGAATCTCACTTTTATTTAGCCTTTGC	15161
GGTGGTGTTCTGCCCTCTACTATCACCCCTGGAATAAAAAATATAGGTGAGAAGACACCAGTCATCACTTTC	15162
GCAGACTGAGCATGTTTCAGAGCCTTCAAAAGCCTTCTCGGAAAGCCCCAGGTGGTGAAATTGCCCTCAAG	15163
CTAGAGACTGATGGTGGTCTTATTCAGAGGGTGGGTGGGAGGGTGATTGTGGGTAAGAAAGCCGTTGGGACTAG	15164
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GTCTGGTGCTGTATGCTTGTCTCTATTTCAGTTTTGTGAACTATGCCTGGGACCTGCCATGTTACCAGGC	15167
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TGTCTGAGTACTACTTTGATGGGAAAGGGAAAGCCTTTCGACCAATTATTGTGGCGCTAATGGCCCGAGC	15170
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GCTGGACGATGCACCCCTGCCGGAGGAGGAAACCCCCGAACCCACGGCCATCTGCAGGCACCGGCACCGCT	15172
TGTCTGCTATTTATTCCCAGTGTTCAGACTTGCTCTTAATAACTGTGCAAAGAATTACTTGGTGAATAAAAGCA	15173
GGTGGCGGTGCAAGTTGAAAAGGCTTTGGGACACCTTTAGCCCTAAGGCAGGCTTTCCAGAGTCATGCTACCT	15174
TTTGACTAACTTGAGAGAGAATATAAGAGTTGACACATGCCTTTCTACATCTCAAGAAGAGTATAGATTGCT	15175
TTGCTGGTGTTTGGTGTGTTCTATAGGCAGCATTTCAGTATGACTTACTCTAAACTGAAATGTTTTGGACTCC	15176
GCCCTTCTGGGCTCATCTCTGTCTAACTGCTGCTCAAGACCAACTATCCAACCTTCACATTGTCCAGAGGGC	15177
TGATAACACCTTGGTACTTGTCCATTAGTATCTTTTTATAGACTTGGGGATATGTGGACAAATGTATCTTAT	15178
ACTCATAAGATGTTGGCTGTCGGTACAGGGATTTCCATCCTAAACCTTGCTTGCTAAGATTTTATCATGAAT	15179
TAAATATCCAAATAATGATTGTTATTGATATCAACATACTTATAACTGTGATGATGACTGTAACACCATTAAA	15180
GTCCTGCACATATAGAACAATATACTAAGGGAATGGTGCCATGTTCGTTTTTCTTTGGCTTGGC	15181

Table 1. Novel miRNA sequences

AAACAGTTCAACATGTAGCCTATCATACTGATGTTAGTGAGTCAGCTGACATTAATATATTTAGGCGATTTTGA	15182
GTGTTGGCTCCTTAACCATTGCATTTCGTGACCTGTCAGCTTTCCATCCCAGGACATAATGGAGGTTCCCACT	15183
ACTCAGGACACGGGAATGAGAGGCTTGGAGAGTCCCGATGTCATCTCTTCCATTGGCTTTTTTCTTCCCTTCC	15184
ACAACAGGGAAAATTTCTTTATTTCATTTTTTTATCATTATTACTTTTGAGACGGAGTCTTACTCTGTTG	15185
TTGAGCCAGGCACGGTAGCTTGCGTCTGTGATCCCAGCACTCTGGGAGGCTGAGGTAGGAGGATTGCTTAAGGC	15186
CCTCCTCCCCCGCCACCTCTGGAGCTGAGGTTAGCAAAGCCGTGCCTACATCAGCTGAGCTGGGGAGTTTG	15187
AAATTGTCCAGTTTTTCCAGCTTAGACGTTACTACTATTAGTAGGAGTTTAGGGTCAATTCTCTGGACAAC	15188
TTTGAAAATTCTATGCTTATCAGACTGATGCTGAAAAGTTATTTAGTCTAGTAAAAAAGCATTTCTGAAAA	15189
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ACTTCACAGAGAAACTTGAGTGTGTCGGGGAACTTCATTCACGTCCCACCTCCCCATACCTGCAGGTTCACT	15191
AGCCTTTTTGAAAACAACCTCCACAAGGCTTGTCAGTCCAGTTTTCCCTAATTGTTTACAAGCTATAGGCTAC	15192
GGTAAAGATCGACTCTAATGCCATAATAGCAGGAAACATCAACACAGCAGCATTGGACAGGTCATCTAGACA	15193
ATGGGAACTCTCACTGTTTGACTTTCCCAAGAATCCCCAGAAGGGATGCTTTTTAAGTAAACTATAGGGCCTG	15194
TTTCTTTTCTTTTTTTGGCTTATTGTCAACATGTTGTGTTGACACACTTTTTAGCCTAAAACAGAGAGAGGAC	15195
CTCTGAGGACTGCCAGCACGCTGTCACCTCTCAAGGTCTTCACTTCGATGTTGCTCTCTTAGACAAATGCA	15196
CATGGTGGAGCAGGGAGATGGAAACCTTTCATGGACAGTTTCCGGCCTTCTAACTTTCTCTGATTCCTTACA	15197
GAGGCAATAATCACATGTTGTGGGGACCCAAGTCACAAAGGGACCTGTGGGTTGAAACTGACAGTTTGAGCGGC	15198
ATCCTAATCAACTTATATTTAGGTTCACTGCCAACTTAAAGTTGGTCATGATTTTTTTGTGTGAGAAATA	15199
CCTGCTTGTAACAGCAACAGGTAGCCAGTCATCTTTTTGGAACCTGCTGACATCTGGTTACATGGGATTGCTC	15200
GACTCCAGCCCCAGAGTTTCTGATTCAGCAGGACTGATGGGGCCTGAATATTTACATTTCTAACAGTTCCCA	15201
GGGAGAATCGCTTGAACAAGGGAGGCAGAGGTTGCAATGAGCCAAGATCGTGCCACTGGGCGAAACCTGTCTCC	15202
ATTGATCCTGACAATGATTTATTTTTGCAGTTTGCACAGAGCCCTTAAAAGGAGATATTTCTTGAAGGATGAAT	15203
CCTGGTGCTGCCTTTCTTACTTGTGGTCATATTGTCCACAGGTCTCTCTCGTGTGTACACCTGCCCGTCC	15204
AGCTGGCATGCCAAGAGATCACCGTGCCGCTGTGTAAGGGCATCGGCTACAACTACACCTACATGCCCAA	15205
ACCAAAGTCACCGTGGGCTCCACTGGCTGCCAATCCAGCCCTGCCTTGCTGACTTACTGGGCATTGGTTTCGTT	15206
TGGCAGTTCCTCTAGTATACTGTCTCAGGGCTCCTTAGGCATGTTTACCCATGAGAGCAGGAGACCGGCAGAG	15207
TTCTGTGTTAGTTTGCTAAGGATAATGCACTCCAGCTGCATCCATGTCCCTGTAAAGAACATGATCTCAT	15208
ATTTTAGTGGTACAATTTCTCACAGGCAGCCATTTTAAGGTGTTAAGAATGAATGATTTTGTATCCAGTTGAA	15209
AAGCACTTTATTAGAAGGTTGCAGATTTCTGCAGATTTCCTCAAAGAAATCTGAACAAGACGGATGGAAAT	15210
TGGGGGAAATTTTTGGTATGTATACATATATGTACCTTATGGTTGTATTGCACTTGAAAATTTTCAAAGCAT	15211
TGATCATATCCGCAGCAGCAGAGGTAGGTCTTTTCAGAGTCTGCTTTACATCTTACAGTGGACAAGGATA	15212

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Table 1. Novel miRNA sequences

TGTAAACAAACAAAGCATAGCTTGTTAAACTTTTATAGCTGGCTGAGTCAGCCAGTTACAGAAGCTGAGCTA	15213
TTGATTTCTGGCATTTTGAGTTTTCTGCTACAATTAGCTACATTACTTGGTGCCAAAGATCAGTGGGGAATT	15214
GTGTCTCGCCCACCCCCGCGGGGCCCGTCCGACTCGACGGGTGAGCCCGTGGTTCCCGGCTCCGCACCGTC	15215
ACTTGAAACACGTCGGTCCTTAACTTGTTAACTGAGTAGACAGGCTGATGGCTGATCTAGGTAAAGGTTTCA	15216
TTGCCTAAGGAGGCATTCAGGAGGGGTAGTACCTGCACCCTGTGCTGCGCCTTCACTTGCTGCCACTACACA	15217
GATCAGGTCACAGAAGAACGTTCTCAAGTTAGGTGGGAAACAGCTGGAGACTCTGGGATGTCCTCAGGACCT	15218
TCCCACAGCAATGGCAGGTCCTGTCAGCACCCCCGCCCCAACAGTATGGTAAATCCTGTCAGTGTCCCCC	15219
TTTCAATGTACGCTGAGTGTCGTTTAGAAAGGGAGGGAGCTCAGTGTTTTTTTTTTTTTTTAGCTGACCTT	15220
TGTGACACAGGCCGTTGGCATCTGACACAATGCAATCGCAGATGAGACTGATGTTGACAACAACTCCCGTTTG	15221
ACCTCAGTGGCACAGCCTTTTGCCAGGCATGAAGTCCAGGGTCCTCAGGCTGGACGAGGCGCATCCTGAG	15222
TTACTTGAGATGAAGCACCAGCAAGCCTCAGAACTGAGATCTGAATCCGCTGCTGAGTTCTGCGCTGTCTAG	15223
CTGATTTCAACTGTGCTAACAAGGCAAGCTTGACCTGTGTCTTTGCCTGGGTTTTAGAAAAAGAGGAGGCTTCA	15224
TGAGGCTCTACTTGGGAGCTCAGTTCAGCAGCTGTGAGCCCTGATTATCAGCTCTCTAGGTCCTAGGAACTCA	15225
TGTCTCAGCATTCTCAGTGATCTTCCCTGGGAGTGGATTTTGGGCTTCATGGAGGAAAATCCTGCAAGTGGTG	15226
GCTGTTGGGAGAGTTCAGCTCCTGTGGTCATGAGACTAAGGTCTCTATTTTCTTGCTGGTTATAAACTAACAG	15227
TCCTGCGCAGCCTTAACCTGAGTGGGGTCCCTTCGCAGGACAAAACCAGGGTGGAGCCGCCGCAGTACATG	15228
CCCGAGAGGCCACTGTCCCTGTCTGGAGCCATGTCCATTCTCAACATCAGCCTAGCTTGGGTTTGCAGGA	15229
ACAGCTCTTCACAGACCTGCAGGCACCTGAACCCCCTGGTTCTCCTGCCTGAGACCCTACACTTTGAACAGCT	15230
AGGAAGGAGCCTGGAGACTGTACAGCACTCTAGATGAGGAGTGGTGGTGGCCCAGACCAGGTGAGCAGTG	15231
TGTACACCTATATATCATATATATGAGATATATACGCCTATATATCATATATATGAGATATGTACACCTATA	15232
GGGAGAGAAGGACAGGCTCGCAGGCGGGCTCAACTGAGTCCGCTGAGTACATGCCAGTGTTTTCACATAGACCC	15233
AATGCCCTCTTGCCCATAATGCTACCACCTCTAGAGTACTCCCTCACCCCTGGGTGGCTGGGCACCCCCA	15234
ATCTTGGGTTAGTGTGGCAATGCCAATGTACACCAATTATTTGTGGTCACATTGTGATGCCTCAGTCTCA	15235
GGACTTAAAGAGGAGGCTAGATAAAGAACTTAATCAAGATCACCTGCTGGCTTCTTGCCTGGGCCTAGCATCT	15236
GGAAGCTGAGGCAGGTGAATCATTAGGTCAGGAGTTCGAGACCAGCTTGGCCAACATGGTGAGACCCTGTCTC	15237
TATGGATATCAAATTCTTAAAAGTGACAGGTTATATGAAATGTCCAGGACCGGAAACACTTTAGAGACAGAAA	15238
AAGATTTTGGAAGAGGTCTTGTGGAGGAATGGCTTCAGCAGTGGGTCTTTATAAAATCCATCTCCCGAGCAT	15239
TGAAGAGCAGCACCTAACAGCGTGGGCATGGAATGACAGATTGCGGCAGGATGCACTTTTATTGTACTTCTCA	15240
GGGATTATCCTGGATTATATGGGTGGGCTCTAAATGTAACTGCAAGGGTCCTTATGGGAGAGAAGCAATGACCC	15241
ATGTATATATATGTGTGCATATCGTATATATGTATATACACATATATATGTATACACATGTATATATACA	15242
TAAATGAAACCACATGGATAGAGAAATGACTTCACATGACTGGTGAGAAATACCCCAAGTCATTTGCTCCTTCT	15243

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Table 1. Novel miRNA sequences

TTTATATGAATATATATGATATGATATATATATGAATACATATGAATATATATGATATATATGAATACATATGA	15244
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AATTATATGTAAGTATATACTACATATGTATAACATATGTGGGATTATACATATTTGTTTTGCTTTTTTCTC	15246
ATGGGAGAATAGGGAAACAAAGCAGCTGGGCTGATCAGGATCAGCTGACAAAGGAAACTCCCCATTGCAGGG	15247
TGTTTTATCTGCATTCATTACACTTCAGCTCAGCACAGAAGTGTTGAGTCTAGTGTACATATAGAAGAGCT	15248
TTAGAAGAAAAGGCCTTTGACACTGGTAGCATCTATGCAGCTTTCTGTAACAGCAGTCTTCTGTTACTTC	15249
AACTATGTTTTCTATCATTGACTTTTGTGATTTCAGCATTCCAGTCGATGATAAATCCATAAACTGATCTTA	15250
CGTTAGTCTTCCCATTGGGAAGCCGTTCAATCCTTATGGATCAGAAAGGAAGAGAATGGCCCTGGGAGTTCTAA	15251
AGCTCTTGTGAATGGATTAATATCATCATCTAGGGTGTGAGTTCTCTTGGGAGTGAATCAGTTTTCACGGGACT	15252
TTAAAGCATATAGGGGGATGTGCATAGATTATATGTAATATTATGCCACTTTATATGAAGTTCTTGAGCAT	15253
TATGCTTTGTCATTAAGAGGATAGAAAATAGGTTAAATTTAAAAAGCCAACTCAGAATGACGAAGAACCAAA	15254
CCATAAAATAATTGCTAATAACACTATCTGAAATAAGTCCCTGCAACTTAGTGTTGTTCTCTGTCAGATAGTCT	15255
GAAATTCAGTACAGTGCTGTAACACCGTAACTCAGTGAGCTGGGGAAGGGCAGTCAGGGAGCCACTTACTAGA	15256
TCTGCAGAAGCTGTGAGAATTACTCAGTGTCATTTGCACTGCTGAGTACAGCCAAAGACCTTATTATTAGTC	15257
ACTTCTGTCAGTTTGTCAAATTCTTTCACCGACCAGTTTTGTTCCCTTGCTGGCGAGGAGTTGTGATCCTTTGG	15258
CTCTAGCAAGGTTTTCATTAAGTATGATGTCTTCTTCTAGGCATTAAGAAAATCTTTAGATAATTGAATGT	15259
CTCACTCACCTCGGGATCCTGCCGACTATGCCAATCTTTGCACCTTGGCATTGGCCACTTGGGTCCCTGCT	15260
AGCAGAGTCTCATCTATCGCTTTTCTATGAGAACGTTTTGAGGCCCTAGAACGCCGGCACTGTCTTGCATA	15261
GCAAGAGCACTGGGATTTGGCAGTGTCTGACCGGGAGCACTCCCATGTCTCAAACTCTGGCTCCCCAGGAGA	15262
TCCTTCCTGTGGGCCGGGCCTGTGAAGCAGTGATGGCGAGTGTTGCAGCAGAAGCAGGCCCTGTCTTACC	15263
TCTGTGGTTTAAGCTGCTCAGTCTATGGCATTTTGTTATGCAAACCCTGGCTGACTAAAATACTGTCAGTG	15264
GTTGCTGTATGGGCTTGCATGCCTGAGTCATTGCCGTACCACTGGGTTCAGGGTGGCATCATTGTGCTGCAGC	15265
CCCCTCAGAAGAACTTGGCTCAGTTCACCAGGAGAAAGCCAGACACAGTTTGAGAAGCAGGCTCCAGAAAG	15266
CCCCGCCCCGTCCGTGTCGCTCTCGCTGGCGCTGTCCGCCATGGCCGCGGCGGGCTGGGGAAAGGAGGAGGAGC	15267
CATGAGACCAGGATCTTGACCAGGATCTTCCCAAGAAATGATCCTTGGGAAACCAGAGATGAGGTGATGG	15268
AAACTCCCGGTCTGTAAGAAAGCATTACCTTAAAACCCAGTGCCTGAGTCTGGGCTTTCTTCATGGATCCTGA	15269
ATCTAAGCAGCATTGTACAGAACTTCCCCTTTCTTCCCGTCTTGTGGCAGGGAGGTATCCAGTGCTGACTTGG	15270
AGTTGATTTTACTTATTTTTTACTTTTTTGAGACAGGGCCTTGCTCTGTCACCCAGGCTGGAGTGCAGTGGTG	15271
GCTTTCTTGCTGGCCCACCTACCTGGATATATAATTAACTTCAGCTCTGGAAGGCTTCTGATAGATTTGGGC	15272
ACAGTGTCTAGAAACAGCGTTCTAACCAACAGTGATGAATGGGCTTGGGCGTTTGTTTACCCCTGATATTGA	15273
AAGGTGGGCTTGTTGACAAGGACCATTTCAGAGGTAAATGATTTCTGAGGTAGTAGTGGTTATGAGTGCAGA	15274

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Table 1. Novel miRNA sequences

GAAAGGGGCGGTGTACCTCCGATTCGGGCGTGGTTCCCGCCGGGGTCGGCCCCCAGGGAGTCGTCCCCTG	15275
TATATGCCCTGAGACTTCTTTACACAGTTGTCATTTGTACACCTTTAAAATTAAGTTTCAGTGTATACAAAA	15276
AAAAAGGATATTTTCTTGTCACGAGCCTCTAAATTACTGGCACAAGAAGAATCTGACATATGTTCCCAGT	15277
AGAGACACATGGGCTTGCATGTCAGAGCCAAACAGAGCTGCAGAGCTCTCCTCGGCCTCTCATGAGTCTC	15278
AAGCCCTTCGCCACATCTAATATCCATAGGAATGTTTTAAGCTAATATGGATGAATTGCTGAAGGCTCCA	15279
ATGGTGGTGGTTACAAGCCTCAGGTAGCTTCTGAGAAAGTGGCTGCAGTAGAGGCTTGAAATAGATAGAAACCA	15280
AGCTGCCGCCCGTCCCCGCCCCCACTCCATTCCCTGCGCACCCCAGGCTGATGCAGCGTAGCTCTTAGGG	15281
GGTTCAGCAGCAAACTACAGGTATGGCCACAGGTTTCTCCATGGATAGACTACACCACCTACCAAGGGTTTGCT	15282
CTCATGTGTCTAAATGCCAGGCCACTCTTTATAGATTCCAGTGGGGTCACATTGCCAGGAATATGTCATATG	15283
TATTTAATGATTAGAGGTCTTAGGATTCCATTTCAATAAGGCAGATTTCAAAGGAGTCCCTTACTTCTGTTC	15284
GAGGTGGGAAGGGCACCTAGCAGGACTCTGGCTTTGCGGACAGTCCCTGTTTCCCTTTCTTTCCTTTTCACC	15285
AGTCCCTTGATTTAACCCAGTGTTTCTCAGCGTGTGGTCCTCAGATCAGATGGCATTGGTGGTATCACCTGGA	15286
TGTTGGAATTTTAGAGAAATGCACATGTCTGGGCCTCATGCCCAGGCATTGTGGTTCAGTGGATCTCAGG	15287
AATTACAATAAAGGACTGCAGAGGCAAGACAGCAATCAGAATAGTCTGACTACTGTAGGGCTCTGGAACT	15288
AGACATACCCTAGACTGGGTAATTTATAAAGGAAAGAGGTTTAGTTGGCTCAGTTCAGCATGGCTGGGGA	15289
AAAAACAACCTCTCACTAAATCTGACTTTTCTTTGTTTTGAGCTGTGTCATTGCCAGGTGTGAGGTATTGAAA	15290
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GGTTTAATTGGACTTACAGTTCCACATGGCTGGGGAGGCCTCAGAATCATGGCAGGAGCCTAAAGGCACTTC	15292
AAAAGGCCTATTTGTAGAGGCAAGTGAATACATCATTGTATAAGATGTAGTCAGATATAAGTGGCTGTGA	15293
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CCTATATGGAGAGAAGTACTCATGGTGCTATACTGAGGCCTCCTGCCAACAGTCATGTGAGTAAGCCACCTTGG	15295
TCCTGCCTGGACGATGTGAATATCTGGGGAATTTTCAAGCTCCTTGCCTTCACAGTACCACCTGCAGGGAAA	15296
CTTATGGAGTGGTGGCAACTGTTCTTCCACCTTCTGGAATCTCAGTTGACAGTGTTCCCTTCTTCACTTT	15297
TTTTTCTGGTGATGAATATTATATCTGACCAGCATATATAGGGAAGAATAGTTGGGCCAGGCATGGTGGCTCAT	15298
AGTGTCACAGCATAAGAATAAGAGGGGCTGGGTGCGGTGGCTCATGCCTGTAATCCCAGCACTTTGGGAGGCTG	15299
TACATGAAAGAGAGTTTCCTAGTTCAGTGTGTTTGGATACCATGTTTAAACAGGTTTCATGAGTGCAGAGGCTT	15300
CAAGGGCTAGATATAGAGGGCAAAGCCTGAAGGCTTTCCTTAGCCACATAATACCCATTTGAGCCTCACTTCA	15301
AGTCCTGACCAAGCTGTACCGTAAGAGGTAATAAAATACCTCTATGAAGATGTTTTGGGCCTTACCATCAA	15302
CGACTTTGTGATGGGTTTATCAGGACATAAGCATCGGAAGTCAAAGAGACTCTGAACCCAACAACAAGGAGGGT	15303
ATGCACACCATCAGTTCTGGGGCCCGGTTCCTTGACTCCTTGCGGCAGTAGCAGGGCCTTGGGTTAGCTAGAA	15304
TCATCACCATCATCGTGGCAACTAACAATCATTTCCCGCCAAGTGTGTGTCGGGCCCCACATTGAGCCCAT	15305

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Table 1. Novel miRNA sequences

TACTCCCTGTGAAAGGCTGCTGTGTCCCTCATGAGTTCACAGTGGCTAAAGTGTTGTGGCAGTGGAGGAG	15306
GTATCCCTCTCCTCGCAGCGCCACAACTGCGCGCACCGACCTCCCCACGCCAGACGCGGCGTGAGCCAGG	15307
CATTTGCCATGGACTCCTGGCCTCTCCCACCCCTCCTTGCTGGCTCGCTCGCCTGTCACATGGTTCCTGCTC	15308
CTTGGTTGAGAGCCAGGGACTGCTGGCCATTCACAGATGGCGCCTGGGCGAGGCCCCTGGTTCTAGTCCTGGTC	15309
ACCACCCCCACCCGACCCTTGAGGATAAGGCTTAAGGATATTTACAGGTAAGGGAAGTGGGATGATCTAAAT	15310
CTTAAACTTAGAAAGTAACAGAATTGGAAGATCCTTAGCTTGCCAAGGACTATCCAATCACTCTCCATTTTTC	15311
GGCCTCTGCTCCGGCCTCACGTGGCTCCTGAAGCTAGCAGGAGAGAGGCAAGATGCTGGCATTCAGCTGC	15312
CTTAACTTACCGTGCTGTTGCCTGGCTGACCCTGACTATCACAGATAGGGAGCTGACTGGCCAACAACACGA	15313
CCTCTTAGATATACAAGAGGCCCTGCTCCCTACAGGGAAACTCTGTTCTCACTCTGGATTTTCTCTCTTG	15314
TGTGTTCTTTCCAGACAGCACCACTCAGAGCTGACCGGGGCGGGGTGAGAACACGGAGGGTGGAGAGAAGAGA	15315
ATTTCTTGGCCGACACTTGGGCCTATCACAGCTCAAAGTGTTTGTGGGTTAACTGAGGCCTATGATGGCTG	15316
AGAGTGGGACCCTGTCTAAAAAAAATTAAAATGAATTTAGCAATTTTAAAAAGGGCTCAGTCCCACAAGTCT	15317
CATGAATGATCCAGCTATGCTGGTAAATAAGTGAGGGCAACATTGTATCCCAACACAGGAAGGGGTCAAATTCA	15318
GGGAAATTAGGGATAGGGAGATTTGAGTGTATGCCCATTTTCTCTTCTCCTTATGCCCCACGTTTTACTT	15319
TCCCCAAGCTGCCAGCCAGGAGGTGATAACCACCCTCCCAGAGTTTCTCTCGGCTCTTTTTTTAAAAGTCCC	15320
GACTATGTGAGTTCTTGCTTGTTGAAAAAGGACTCGGAAGTCTTGTGAGGAGAATGAAAATATTTTGATTTG	15321
ATTAGCAGTCTGAGGACTTTAGACCAAAGAAGGAATTCTTGTATAACATTGTATTACTCTATGACTGTAT	15322
TCTGTCTTGTATTTTTGCTTTATTTAAGCTAGGCTAGCCTCCAAGCTGGAAGCTGAATTGACAGTTGAAA	15323
AGGTTTTAGTCACTGTGAGTCAAGCAGTTTATGCCACCACAGCTTGCTGGCGCCCCTTCACCCATTCTCATCC	15324
AAGGCTAGAACAGTGAAGGGTAACTATGGTCCTGCTTCACAGTGGAGCCTGCAATATCCTTTCCTGATGAA	15325
TGGATTCCCTTAGTTTTGCTAGTCTGTGAAATATTTTATTTGTCCTTTATTTCTGAAGGTTAGCTTTGCTGGG	15326
TAGGGCATGTATTGCCATATCAGTTCAACAGATTAAAAAAATAGGCTATATGGCCGGGTGTGGTGGCTCCC	15327
CTCTGTCGATGAAGGCTGCCGCCGGGTAGAAGAAGACACTGAGGTCGAAGGTGGGCAGGTCGTCGGCCTCCA	15328
ATTAAACATTTATTGGGTACCTATTCTATGCCAGGCACTGTTTAAGTGCTAGTGGTTCAGTGGTAAACAA	15329
ACAAGTGTAAACATCCTTGACAGATATATGGACCTTTTTGCTGTAAGGGATCCCTGTTTGAAACCAGGGGGTG	15330
ATGCGCTCGGACCCTCGGAGTGGAGTTTTGAGAAAAGCGAACGCACGCTGACCACGACCCGCACCCACGCAGC	15331
GGATTTTGCAGTCCTAGAATATACTATACACTCCACCTAGAAAAGCTTCTAGTGTAGGTCTGAGATCTTT	15332
GAGAACTTGAGAATTTGGGTCCTGGAAGAACTCACAGAGATGATTCAGTCCAGTAGTTCGCAAGGTTCTAGA	15333
TCCTCACTGCAGTTCTATGCAATAGGTAGCATTACTAACCCATCTCACAGGTGAGGAAACTGAAACACAGAG	15334
ATCTTAACTCATTACATCTGCAATGTCTTTATTTCCAAATAAGCTGACATTCTGAGGTACTGGGGTTTAGGAC	15335
ATAGTTTGCAAAATCATTCTTTCCTGGATTATTTTCCATGATGTGAGTTTATCAATGGACACTGAGCAGGAAAG	15336

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Table 1. Novel miRNA sequences

AAGAAGACCCGAATTAGAAATACCACCAAATCAGCAGTGAATTTACCATTGTTCTCTTCTGGTATCCTCTAG	15337
CTGGGGGTTGGCTCCTAACTGCTGTTCCTCAGGGCAGCTACATTTTCAAATAAAAACACTAAATCCCAAATG	15338
ACACCTGGAGTCAGTTGATAATTCCCCTCATCTCTGAAAACAGAGGCAGAGGAGCTGAAAAATAATTTGC	15339
GGATGCCAGGACGCGGGGCTGGTCGCCCAGCAGCTCTGAGATGCTCCCAGCCCTGCTCCCTGTGGCAGCC	15340
GCAAGATGCCACCTGAAGCCCCTGGGGAAGAGGGTGACATGGTGTGTCAGCAAACAGTGGCGTGTTGGGGGCT	15341
AGGGTCTCCCACTGTCACCCAGGCTAAAGTGCAGTGGTACAATCATGGCTCAGTGCAGACTTGAACTCCTAG	15342
CTTTTCCTTTCTCTGTTGGCTGGCCATGGGGAACCTCCATAATACCATATGTGAGCTGAGGAAGACATTGAC	15343
GGCCGGCTGGAGGTCGGGCGGCCTCTGCCCTTCGGAAACCAGGGCATCGATCCTGCCCGCCCCGCGCCCCCGCG	15344
AGGTGGGGAGGCAGGAACACATGTGCAGGGCGGGAACACACCAGCGCAGAGGAAGCCAAGGTGCAGTGGGAG	15345
TTGGGCCCTGCCCAGCTCTGAGCCCTGTGCCTCTAAGAGGTGAGTGGTTGGGTCAAGCAGGGAAGATCTATGTC	15346
TCTGATGTTAGGCTGTGACCTACCCAGCTGCCCTTGTGGGCTTGGAGTTCTCTCTGCTACAGGACAGACCGT	15347
GCCTAGGTCACACAGCAGTTTAGAGGACAGCCAAGTCTGGGCTGCCTGGCTGCCTCCAGCTGCTGCCTGATGC	15348
CCTCCGCCTCTCGTGTTCAAGTAATTCTCCTATCTCCGCCTCCCAAGTAGCTGGAATTACAAGCACACGCCA	15349
TCACCTTAAGAGTAGGATAGAGGTGTCCAGAGCTCAGCTCATCAGACTGATGGGGCCTCTCACATATCCC	15350
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AGGGCACAGCCTTCTACTTTCCAGGCTCCTCTGGGAACCACGAGGAAGAGAGGAGGCGGGATTGTCTTGTC	15353
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GGAATCTGGAGGTAAGTAGCACCAGAGTCGGCTTATTCGACTGCTCAAACCCATTGGTAAGAACCCTGGTTCT	15357
TGCTCTGGGCAAATCCATGACAAACTGAAGAAAGCAAGTATGTTCAGCAACTGCAGAGAGCTGTGATATGGTT	15358
GAGCAGTAAGTGGCTGAGGCTATACAAGGGAAGCATAAGGTATCCTTGCAGTAACAGAAATATTTTGCATCT	15359
CATAGTCTCACTGAGGACTTCTACACCATGTGTTCTCATGTTGACTCAGTGAATAGTAGGCAAACATTGA	15360
CATCTTGTCGAGTTCAGAAATACAAACTCCCTGGGGGAGCCTCTATTATTTTGAGAATGGCCCAGCTGTGCG	15361
ATGGGGCAGTGCAATGAATGGGAAATGGGGAAAGGACACTTTCCCAGGTATTCCCGCAGACTTTCTCTCATGT	15362
CCTGGCTTGTCCAGGTAGCTGGTCCAGTATCCTGCCACTTCTTTGATCATAGGCTTTGTCCTAAGCTGTAGCCG	15363
GCACTTAGCTGGGGGAAAAAATCTGTGGCACATGTTTGTAGTCATGTTCAGGCATCTCCCTCTGATACTGGGGC	15364
TAGGAAAGTTGTTTGCAGTCTCCGATAATAAGAGAATTCCTCTAAAGATTCCTTTATTGCTTTTTCAACTTTT	15365
TGGGGGCCATGTGCCTGTGGGTGGTGTGCCTGCATGCGTGCCAGGCAGGGCATTTGGAGGGGGCCGAGCCCCCA	15366
TTGGGTGGGACTGTTCCTTGGGCTGTGGGAGTCTTTGCTGCACCACAGGGCGTTTGGCATCCCTCACCCTGG	15367

Table 1. Novel miRNA sequences

GGAGCTGCTGGGGCCTTCTCTCGGGGCCACGGGGGAGCCCGAGAAACAACGGGAAGAGGGCGAAGTGAAG	15368
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TTCATTATAACATTAAACATTCTCAGGTTCCATGTACACCTGAGACAAGTCTTGTGGAGTATGTGGTCAG	15371
ACACAATATCATGGACCTAGTAGGTGCTCAGTAAACACTTGCTTAAAAAAATACATGCATAAGGCCAGTTATTC	15372
GCACTCAGCATGCTGCCCGACCTCAGATCAGATGGGTAGCTCTTGTTGTTATTGCTATAAACGGGCACCA	15373
CAAGAGGTTCATGTGTGATTTCCTTCAGACAGACAAACATTCACAATCAGGTTGTCTGAGTTCACAGCCTCTG	15374
GAACAAGGTCGTTTCCATATGACTCAATACTGGCCAAACAGCTAGCCAGTAAGTTATGGGGAGGAGGGAAAA	15375
AAGTACAGTGGGCACTATTGTGGATTGAGGGTCATGTCAACCCAGATTTATGTTTAAGCCCTGTAAACATTG	15376
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ATTACTGAGGTTCAGAGTTGTATAGCTTGCCCAGGCAGGTCTGTGTAATGTGGAAGAAGACTCTGACTCCCAGT	15378
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TGGAAGTGAGCTGTTAAATCTGGCAGCATCCAGGAGGGCATCTTCTTCAACGCTTACCCCAGAAATGGCCATGG	15380
GACACCACAAGGGCCACGCCCTAAGAGTAAAGCCCCCATGCCTTAGGGTAAAGCCTGCTTTCTCAGTCTTC	15381
AATCTCCACTTCTAACAAGTTCTTGGGTGATGCTGATGCTGGTGGTTCAGTAACCATACCACTCCATGTGGA	15382
ATCTGGCAGCAGTGTGATACATGAAGTAAAATGGGAGGAAACTCAGCTGGGCGTGGTCATGTCTGTAATCC	15383
CACTCAAAGTACCTGGTAATGCAGACAGATGCTTCTGGAACCAGGGATCATCATTTTGGATACAAAAGTTGCTCA	15384
GTAGGCTGTGGCTCTTTCTGGCAGAGGACATTTCATGCCAACACTTAGCACGTGGGCTTTCACTGCTGCA	15385
ACTTGATATCCTTCAGTCGGAGGAGTAGTCTGAAGTAGTAGTCTGACTACTCCTGTGATGAAAGGACATA	15386
TAGGTGCTGGACATGGAAAATGGATGCTCTGGATGGTCCTTCCTTTCGAGGAGCTCACAGTCAAATCAGGAT	15387
CTCCCTTCAAGTAATCCAGGCTCCTAAATGAGGAACTACTCTTAGTTCTCTAGAAACCATGACTGGGCCAGG	15388
CATCCTGCTGGGGTTGCGGCTGGACGAGGCGCAGTGCGCCACGCTGGCCCGGACCTTCGAGCAGCTCGTGG	15389
CGAGGGCGTCCCGTCTGGGTCTGGGAGGCCCGCCGCGCCGCGGAGGCCTCGGAGGAAGGTCTGGAGCCGGGGGC	15390
CCCTCTCAACCTGCCTGAGACCTGCTGGGCGTTTCAGAAAGGCATTAAAAAGGCTGGGCAGAGTGGCTGAC	15391
GCAACATGGTGAAACCCCGCCCTACAAAAAATTACAAAAAATTAGCTGGGCTTGGTGGCACATGCCTGTAG	15392
AATTCTAGTTTATCAGCATGATGTTAAATGTCAGTGCCATACCATGATGCAGCACCATGACACTAACGCCATG	15393
AAGCCACCTGTTTGTGACTTTACAAGCTATTTTCACAAAGTATGTATTCCATATTGTGTATGGTCACAAG	15394
CAGCCTCTATCAGTTTGTCAATTACAGTTTATGTTTTCCTACTGCAGCACTGCCAGAGGTTTCAGCTTCTG	15395
CACAAAGCATTACTTCTGATCAAGGAACTCACTTCACTACAAATGAAGTGCAATGATGGGTCCATGCTTATA	15396

Table 1. Novel miRNA sequences

ATATAGGTTCCAGGAATCACTGATTCCTTCCAATGGTGATCTTGTTCAAATCCCACTCCTGACACCATATAT	15397
ACACAGGTTACAGGAATCACTGATTCCTTCCAATGGTGATCTTGTTCAAATCCCACTCCTGACACCGTGTATAT	15398
ATAATCCTGTCTCTCCAAGCCAGCTTACCCCTACTAGAAACAGAGGGGCACTGAGCCTCTGGCCTGGTACTGAT	15399
CCTGCTGTAAACATCCTACACTGATTGGAATAGAATACATAGTTCTTTTCTTCCAACATGGTGTGTTCTAT	15400
CTGAGATGCCTCCATCCCGCCGCTCGCTCCCTCCTCTGGCTGCTGCAGAGGTGCCCCCTCCTCGG	15401
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TTCGTTCACTGCTGAGTACAAACAAAATAGTACTGTACTCAGCACTAAAAACAAACAACATGGATGAACCTTA	15403
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TGAAGAGTTATGGCAGCTACAGAAACAAGACCCAAGGAAAAAGCTTCTCCCTTGGGCCAACTTGACATAGATTC	15405
CGAATGCCCCCGTCCGCCCCCCGCCTCCCGGACCTTGGGCCGCCCTCGGGTGGCTTTTTCCCTGCGGGCCGGAGG	15406
ATTAACCAATATAATAGCTCAGATCTTTCAAATGTTGGGGTTGGGGTGGGGAAAAGTATCAAAAGGCA	15407
TTTTTGTATATTTGTAGAGGCGGAGTTTCCCCATGTTACCCAGGCTGGTCTGGAACTCCTAACCTCAGGT	15408
CAGAGTAGACCTGGTTAGCTTATCACTTTGAACTTCTGATTTCCAGATGCTGGCTATGAGTTTGACATCTGCT	15409
GGCAATGCTTAAGGAGGTGGATCTGGAAGGAAGGGAGCTAACGGTGACAGAGCTGCCTCTAGGAGTTGGCCCT	15410
GAGGCTGCGCAGGAAGAGGCCCCCAAGGCAGAAACCCCTGGGCCACTCGCTACACCACTGCAGCCGCCTCA	15411
GGCTAGGGCCATGGCTGGTGAGCAATGGATCCAGATGAGAACCAAAGGTCGATGACACCAGTTGTCTGAGCC	15412
CTGCCTCTTTGCCCATTTGGCAATTCATTACTGAGTGAAACTATGAGCCGACATGATGCTGAGTGCTGGGA	15413
TCTAGCCCCCAGGATAGCTGGCGCTGATGATTTAAAGGGCCTGGCAGTGCTTAATCTTTCTGCCCAGCTCCCT	15414
CGACCCGACTGGCGGCCGGGGGCAGCCCGGGGAGACCCGGGAGAGCCCAGCGCCGAGTCGTGGCGGG	15415
CCATTTTCAGCATCTACATACTAGCAGGCTAGAAATAGCAGAAACTGTGGCTTCTGAGGCTGTGGAATTTTT	15416
CTGCGCCTCAAGCCCAGACCCTTTTCCCCATATATCCAGAGTTGTATGTGGAGAGGCACTGAGTGTGGGCAGAG	15417
TAAAAGTGGTTAAGGCTTTGGAATCAGCTACCTGGGCTTGAATCTTGGCTCCACAATATAGTTGTAAGAA	15418
TGCACAAATAGCACTCATTTGCACATACCACCCAGGCATTGCTGGTTCAGTGGTGTCATTTGTGAGTTTACC	15419
CTAAAAGCAAGTTTCTATTTCAGAAGTATGAAGCACTGGAGAAATGCAGTCAGCTCTCAGATGTCTGTGGTCT	15420
TGCTTAAAAAATAACATACTGGGCCAGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCCG	15421
CTTAAGTGAATGATGAGTACTGACACTCTTGTGGATTCCAGAAGATTATTTCTAGCTTTCAAATCACTTC	15422
TTCTTTGACCAAGTAACACTAAGCTTTCCTGCTCAAGGAAGCAAGGTCCAGTGATGTGAGATCTGAGATTGCA	15423
TTATGCTGGGTAAACGATGCTTCCTAAGAAGAAATGGAGGAAAAGAAACTAACATTTACTGAGCACTTACT	15424
CGGTGTCCCCAGAGTTTCCCAGGTTTGGACATAGGGTGCCTCATTTCCCCAGGGCTGCCTGGGGACTATTTGG	15425
TTTGCACCTTGTTATGTGGTTGATTAACTAGTGTAGGTCTTCCTTACTAGACTGGACTATTCCCTGAGGA	15426
TGGCAGTTGTGTTCTCATGGAGTGACTAGGAATGTCTGTGCGTGTGACAGCCCCAGTGCTTGCCTTCTGTT	15427

Table 1. Novel miRNA sequences

TGCAGTGCTACTGCATCCGAGAGAGAAGCGGGGTGTCCCATGCAGGCCCACCTTGATCACAACAGAGCTGTGGC	15428
ATGGGCCTCTCATCTTGTAGGCCTGCTTGTCTCAGGCAGGTTGTTGGACTGGGCTTCCCCCCAAAAAGAA	15429
GTGGCCGGAGAGCTCACAGCCTGGTAGAAATAACAGTGAGTATGCCTGAGCGTGTGTACGGGGCTGGGCAGCGG	15430
CCAGCCTTTTTTTTTTTTAATAGATGAGGTCTTGCTCTATCACTCAGGCTGAGTAGCAAGATCATAGCTCTCTG	15431
GCACCAGATTTGAAGTTGGCTTGCATTAAGGGTCCCTGTTATGTAAAAAATGCTCGAATCACTAAACTCACA	15432
TTTTCCAGACCTATGAATGGACAGGTGGGAATTTAGGCTTGGTTCAGGAACGGATTCCAGAAAACACTGTC	15433
ACCACCACTTCGCTCAGAGGCGGCTACTGGCTCAAGAGGACGACAGAAGCCAGTCTCTGATGCCCACCGCATT	15434
ATGCTTCAGTGCACTACAGAAAAGACAGGTCCACAGGATCTGGGGTAGTTAGGGAGGGCATCTTGGAGGAGG	15435
AGGTCACTTGAGAGCCGCACCCACTCCGGGCATTCATTGATCCTGCCATTAGATCCAGGCAAGGTGGCCT	15436
AAAATGTTCTCAGAGGCTCGGTGGATGCTGTGTGGCTTCCCCTCCGGGTTGACCCAGCCTCTGTGCTGGAA	15437
TGCTCAGCAGTGAGGCCTCATGATGACCTAATGGAGACTGAAACTGGCCAAAACACTGCCAGAGAGGTGGCTT	15438
GCCGCTCCTGGAGGCAGAAAGGACTTACACGACGTGCTGCACGGACGATTCCGAGAGAAAGGCCTTGTGC	15439
TGTATTAGCTTATCAGACACGAATTTGGAATCCTTTGTCTAAGCTGCAGCTTAGACTCTTGTGAATGCCCAT	15440
GGCAGTCCATCAGATGCCAGGGAAATGAGTCAGAGATGAGTATTGTCCCTGCCCTCCAGGAGCTCAAAGCCTC	15441
GACAGCATATTGTTGCTGGAGGAATGTAGGGGGCATGCCCTACGCCTGCACCCCAGCAATTGCCACATGG	15442
GGATGACTTAAGGTGCCTGTGCTTCTCTGAGATGGTCTAGAGCTGGAGCAGCCACAGGCACACAGAATCATG	15443
CCATCATTCTCAGCAAACTATCACAAGGACAAAAAAAGCGAACGCCGCATGTTGTCACTCATAGGTGGGAAT	15444
TATTTTCATCTACTCCAAAGAGCAATAGAGATGTGTAGCAATGCAGACTGATGTTCTGTCTAAGCAGAATGTGA	15445
AGGACAGGCTGAGGCATTTTCACAGAGAGAGTCACTGATCTATCAGAGCAGCATCTCTCAGGGGGCTTCTTCT	15446
ACATTAGAGACATTTCGTCAAGTGCCGTGTTTCCTCCAGAACAAAATGTGGAGAAATGTCATCAACAAAAT	15447
CCAAAATCAGTAGAAACTCAATTGACTGTTTTGGGGGACCTTGTCTGTCGACAGTGTATTTGATTTAAATGG	15448
GAAGGTGTGAAGTTCACTTTGGTCAACTGGATTAATCCAGTCCTGGGATTAGGTGTCCTCAATACAGATGGT	15449
ATTCCCACTATCAAGCTGTCACATACCCACCACCTCACATAAGTTACCTTTGTGTGTGTGTGTGTGTGTGTG	15450
TTATTTCCAGGGAAACAATGCACTATATCTTAAAAATAAACAAAAATTAAGAGGCTTCAATGTTTTCTTGGG	15451
AAGAAGCTTCAATTCCAAGTGCAGTTTTATCTGAATGATATACAGGACTGCACGTAGCTGGCTGTTGTCC	15452
CCTATTTCAGGAACTTAGCACATCAAGTTGATGTTTGTCATTATACACTGGCTTGGTAGCTACACCTTGATCT	15453
AAAAATATATTATCTCTCACTACCACTGGCTAAGGTAAGACTGCTTAACATTAGTTGGAATTAGAGGGTTGAGA	15454
GCAGGTGACATGGCAGCACCCTTCCTGTCAGGGAGAAAAGAGAAATGAATGTTGAGTAGTTCACCTTCAAA	15455
AGAGCCTGCTTGTTGCTCTACCCTGTTCTGGATGTGCTAGAACCAAAGGTGCAAGACAAAGTCCCCTTTACT	15456
CTTACCTGGAGATGAAGCTTTGGTGGAACATGAAGACTGGGTTTTAATACCTGAAAAAGCTGCCCTTCAGG	15457
CTCTGTCACACCTGAAACAGACTTCAGGGCTGAAGCTTCCTAATGCTTCATAGGATAACCCAAGTCAGGATG	15458

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Table 1. Novel miRNA sequences

CAGATAAGGGACTAAAGGCAGGCCACCAGCGCCACCAGCAGCAACCTGCTGGGGTACCCTTCCATGCTGTG	15459
CATCATTGGTGTTATGGATTCTCAATTTTTATTAATAACAGCATTATCTAATGCTGTCATATACTAAACACC	15460
CGCTCACCTCACAGGGGCTAAGTTCCGCAGGAAAGAGAATGTAAGTACTTGTGTTTTAAGGACAGAGGAAGTGC	15461
GAATCTGCTCTGATTCAGCAGGAAGGCCGGGAGATGCTTGGTAGTTCCAGTTCATTGCAGGTTTACAAAA	15462
AATCAGTGCTGAGGGGCATTGGTGGTCCAGTCCAGTTAAAGTGGAAAGAGCTCATTAACACTCCAGCATC	15463
AGTTGGATAATCTGGCCTAGGTTTCTCAGCTCGAGATCCAAAGAACTCGATGCTAGAGGGAAAGACCATATTC	15464
GTTCTGGGAAGACATGAATTTGTGGGGGCGGGGAATCCCTATTCAACCTACTATAAGATTTTTGGCAGGGGAT	15465
ATGGCTGCCTTGAGCCTTGTCATTGTCTAGCCATCTCTGTAGATGCTGGCATAGCTCGCATGCAGTTGGGTGAC	15466
AATTAGAAAAAGGTATCTCTTCTAGACAGAAGACTGCAGCAGAGTGCAGGGCTTGGAAAGAGTACTTCTAGC	15467
GAAAGTGTTCAGAACCATCTTGGTTAGCACAAGGGCGTGGACGTGTGTCTACTTTCTACCTGATGGGATA	15468
GAATCCAGTCAGCCAATGGATGCCCAGAGCTTTGCACCATGGGAAACACCCAATGGTAATGGCTATTCAATT	15469
GTTTCGGATGGGGAGACAAAGCACAGAGAAGATACATCGCTTGCTCAGGGCTATGGCTAGTACCAGACAGAGC	15470
CAGGGGTTTGGGGAAACGGCCGCTGAGTGAGGCGTCGGCTGTGTTTCTCACCGCGGTCTTTTCCTCCCACTCTTG	15471

ATTAATACACCTTAAAAATAGCTGCAGCTTCTCAAATCTGTGAGAATCGTATGTGCTGCTTGCTACACTTTC	15472
AGCAATTGGAATAGTCTGACTTGCTTACATCTATGGCATTGGTGAGTTGAGCATGAAGTTGCTCCTAGGA	15473
CAAATTGAGGTAGTAGTTTGACTTAGAACCCGTGTTCTTAATACCTACTGCTTACTGACAATGAGAAAGCA	15474
TTTGCTATTGTGAACAGTGCTGCAATAAACATATGTGAGCATGTATCTTTATAGTAGAATGATTTAAACTCCTT	15475
TAATGTTTGAACTTGGAACTCAGTTCTAGACCAGACACTAGAATACTCGTGCCATACTTTCGGACCAAGCCA	15476
TGGGCGGAGAAACAGATGGACGGATATACTTCCTATGTACTAAATTGTGTCCCTCTGAGTTCTCCTCTGT	15477
CCCTTGTCCAGGGTCACCTGGCTTGACTAGAATCCTAAATGCTAGCTCAGTGCCCTTTTTCATTGCTTCC	15478
AGAGGGGTTTTCTCCACACTCGCCAGATAGAGCTGAATGAGGGTTGGGCGGCGGGGGGGTGTGGGGGGAG	15479
GTCCTCATAATTCTGTGGGTGGCCTCCAGTTCTGGTCTAGGTAGCTTGACTAGAACCAGATGGTCTAGAACAG	15480
AGGGACAAGGTGGTTTTGTGGCTCCATTGGCAAATATATCAACTGCTGACCTATGAGCCAGCAGCTGTTCTT	15481
GGGTTCAGTGCAAGCTGCGGTGACCTCCTGAGGCCTAGGGTGGGGAGGCACTAAAAGAGAAGTGGTTGAGCCC	15482
TTTCTTAAATCTTCAAAGGATGCCAGTTATTTTACTGGCAAGGGACAGATAATGAAAACATACATATTTTA	15483
TAAATCAGCTTATTAGGTCAGCAGGCTAACATGACCTCTGTTCACCATGCTGTTATTGAAAAGGTGGATTCT	15484
CTGCTTCCCTGTCTGACTACTTCACAGGCCCTTCCTTGAGGGGGAGGGACTCTATCGTGTTTGTCTTTTTAT	15485
TTCTTTTGGTGAGTGTAAGCTTTTCTATGGGCAAAGTTGAAAGTGATTACATATCTCTTAACAAGAGGATCTA	15486
TTTGATGAAGCACAGTTTACTTATTTTTTCTTTTGTAGCTTGTGCTTTTGATGTCAAACTCAAGAAATCATT	15487

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Table 1. Novel miRNA sequences

TACAAATAATTGAAGGCTAATTAGCAGTATAACTATAAATAGTAATGCTGCCAGTCTCCTTCAGACAAAAATTCTA	15488
ATCTAATGTACACTATGAGAATATGAGAACTATAGTTAATAATATCGTACTGTACACTGGAAATCTGCTAAG	15489
GCCGAAACTAGCTGCTTCCGGTGGAGTTCGAGCTGACATGGTTTGAGTTTATGTGGTGGTTAAAACTGGTCT	15490
TTTTGATGCCAGGGTCTTGGCAACCCTGTCTCTTAAATGAATGAATGGAATGGTGGTAATGACCTGGATTTGAA	15491
TTCTTTCCTTCTACAAAAAAGCCAATAATGAAGTGGCACAGCTGAGAGGAAGATGTGCTATTTTTTTTTTATT	15492
AAGGGAACATTTCACTGAGGGCTGCTGGGTGCAGTACCTTGAATGTCTGAGCTCTTAACAATGGGATCTGTC	15493
GTCAAGGAAGACAGTCTGTGGCAAAGGCCCAGTTCAAGTTTAGAACTGAACAGCCTCTGGCAATCTATCTT	15494
CAACATGAGAGCTGAAGGGGCCCCAAACGCTATTGGTCCAACCCCTTTGACAGCTGGCTAAGGCAAGGAC	15495
CAGCCTCAGGTGCCAGAGGAGCATCTGCCCAGCCATCCTTCATAGGTGGCCTGGAAAGGCAGTCTGGTCTGGGG	15496
GGAGAAGGACCTGCTGAGCGCTGGAGTCTAGGTGGAGTCATGCAGCGTTCCTGGGTCCTTTCTTCTGCTT	15497
TACTGCGGTGGTACCCGAGATCCTTCTTTTGCCTGGCCTCTCTCCAGCTACATCTGATCCCACCCACTTCTGA	15498
GAACAGCGTGTGCTAGGCTGGAGTGGAGAAATAAGGAGCCACTGAAGGAATGGCCCATGCAGTCTGATTGC	15499
GGTCATCCAGTTTCTCTGGCCTTACTTTCCTCCTCTGTAGGTGGGAAGCATAATACTTGCCTCTGGGATTAATG	15500
CCATCAGGCTATGATCCTCAGTTGTGTGTAAAATTAGGGCTTTCAATCTACACACAACTGAGCATCACAGCCTG	15501
GACTGCCAGTTTCAGTTGTAGAAATAGCGAGGGTGCTAAACACCTGTGTGTAACTGTGCCATCACTCTCC	15502
GAGTGATGGCACAGTTACACACAGGTGTTTAGCACCCTCGCTATTTCTACAACTGAAACTGGCAGTCAAAG	15503
ACATGCCTTGATCACATATTTGTAACTCGGGAGTCTGAGATGATCGTGACATTCTCGTATGGGGCTGTGTGTGG	15504
CTCTGAAGCTCAGCCTGACAGGAGTGAGATGGGAGCACTACTGCACAGGCCTCTAAGCAAGAAAACAACAAAC	15505
ATAATCTCTCCGGACACTTGGCAGCCCAGCCAGCGTTTGCTTTGATAGCTTATCTCTGCCCGTCCAGCTTGA	15506
CATCAGGGTGAGGACAAACATAATTTGAATGCAGACCTGTCTCTGCTGGTTAATCTCACTTTACAGCTCCCC	15507
TTAGAAAGTTGAGCATAGAGGTTTTTCCACGTTGACACAATCTTTTGAGTGTGAGCAATTATGACTGTGTGC	15508
AGCTGCTCTACCCAGTGCTGAGCCGTGCTGTGCTGTAGCTTATCAGATCAGGGGGTGGAAGTCAGCAGGGAC	15509
TAACTAAGTCAGGAAGGTGAAGATCAGGCCTGGTGCTGACTGGCACTGGGGCAAACATTTTCTACCTTTAAAGA	15510
TTCTGGCTTGTAGGGTTTCACTGTTAGCCTAAGGGGATCCCTTTGTAAGTGACCTGCCCTTTCTCTCTAGCT	15511
TCTGGGTGAGCCTGATGGAATCAAAAGGGTCCTTATAAGAGGAAGGCAGGAGAGTCAGTGTCAGAGAAAGGG	15512
GTTTTCCAAAGTGGCTGTATCGCCTTAGCTTCACACTAGCAATGTATGGGCGTTGCGGTTTTTCTACATCCT	15513
TGGAATCCAGGCCTCTTCCCTGCCAGGCGAAGGTGTTTTCACGTGTTACATGGAGGGAACTAATTTCATGA	15514
CAGGGTCCTCTGGGCCCTCTTCTTGACTAGGCCTCACCCTTGGCCTGTTTTAAGCCCAGTTTTAGGATTAGTGA	15515
AGATGAGTGGATAAGAGGCCACTGGATGTTTGTGCTTCACTGTCTAAAGCATCATCCAATGTATCACTGAT	15516
GCTGCTGAGACTTGTGGATTAAAGGGTGGCCAGGTGACGTCATTCTCAGCTGCCCTGATGACTTGTCAGAAGCA	15517
CCTGCCCTCCCTCTTCAATGAGGCGTAAAACCCCGTGGCTGACTCTAATCCGCAAAGTTGATGCCAGTGGCAGG	15518

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Table 1. Novel miRNA sequences

GAGAGAGCTCAGGGAGATCGGATACTTGCCTCAGAAGCAGCAGTGTGTGAGGCTATGAGTATTAGACTCTGGAG	15519
ACCACATATATATATAACTAATATATATATAACTAATATATATGTAAAACTAATATATATATGTATATACATA	15520
TGCACCTGGCCCTAGGTCCAGTTTTAACAGGAATTTTCCCTAAGGCCTAAAGCAACTTGTTAGACAGTCTGTA	15521
ATTGGGCAAGCCTGTTCAAGTCTCAAGGCCAGGTTGAAGAACAAGCCAGCAAGGGTTTCAGAGACCACTCAGGC	15522
ACTTACCAGTGTCAGCTTCCTGATGTGGCTAAGTTTAGACACACACGCGGGCTCGCACGAAAGATCCTAAT	15523
CCAAAATACACGTTCCAGGAGCCCTTTCATTTTGCAGCACCGCCCGCAGCACCTGCCCGGTGGTGTCCTCCA	15524
TGGGTTGGTTCTTATCAGAAAAGTGTAGGTTCTGTTAATAATCACGGGATTGTGATGAATCCATAGAAGACCTA	15525
ATGTCACTTTCAGCCTGTGTTTTCACTTAGTATTTTTAATGGCTGAGTAATATTGCACTGTCTGGACAGAG	15526
TGAAAGAAAAGCAGTTCAGCTCATTTGTGACTATTTAGTCTCCGATAAAATCGCAGAGAACTGTTTGGGTGG	15527
CAGGTCGGGTACAGAGACAGGCCTGGGACCTGGAGGACCTGCACGCGGGGTCGGGCACCTGCCACACTCTCCCA	15528
TGAGAGCCACCTGTGGTGGGTGGGGGCAGGTGCTGTGGCCCCTGCCTCTGGTTTCCATGTAGGTGCTGGCCTC	15529
GGGTGGCTGGGCGGCACCCCGATGGCTCCCTGTGCTCCCTGAGACCCTACAGGCCGCCCTCTGCAGCCACACC	15530
CCTCCTTTGTATCATGGGAATAATTTAGCAGTGTTGTGCTATAAATTCAGATAATCCAGGATGGGCACGGTG	15531
GTCTGGCAAATTGTTGGACTGTTGAACATGCCTTGTGGCAACACTTTCCAATGAAAATGCTTAGCAGCCT	15532
GCATGTCTCTTCCCAGCTCCACCTTTGCTGACGTTACCCTGGTAACTTGATAATGGCCATGGTGGGAGTATGTC	15533
CCAGAGAATCTGAGGCAGCAGGGCACTGCACATGAGCACTGCCCTGAGTGTGCACACACCTGGCTGGACTGCA	15534
CTCCTTGCATTTTCTTATATATTTTAGGATTAACTTGTCAGTTTCTATTTTAAAAGTTTGATAGGAATTGCCT	15535
GGGATTACGAGTGAGCCAGCGGAGGTGTGACCAAAGAGATGTCACAGTTCGCTTTTCTTTGTGATCAATAC	15536
GGCTGGGTGAAATGAGCCGGTCACAGAAGGACAAATGCCGCATGATTTCACGTATATATTCAGGATCTACAGTC	15537
GTGGAGCCGAATCTGTCCTTTGCAAAGATGCACAGTGGGTGCTGTCTGACCTGAGTGTGTCAGATCTCCCAG	15538
GTGCCCTTTCTTCAGGGTCTCAGGCTGATGACCACATCGCCCGACGCACAGCACAGAAGATCATGGCACCACC	15539
CTGATTTTTCTTGTTTAGCTTACTGATGTGATGAATTGCATTGGCTGATTTTTGAACGTTGAATTAGGGTGTG	15540
TATTCCAGCAGCACACTGTGGACTGCAGTTAATTTCATGCAGTTATAATTTAATGCTGCATTTTTTTTTTT	15541
GGGAGTGCACGGGCAGGATGGAGGGACACTCGGGGGGTGAGAATCGCCACCTGGGAGCTGCCATCCCCTC	15542
CTGCCAAGAGACAAGGTCCAGCCCTCCCAGGAGGACACCCGGGGGTGCTGGGTGCAGACAGGCCAAGCTTGAGC	15543
TGGACCGTCAGTAATCCAGGCGTGGTAAAATCTCCCAGCGTTGGGGCTGGCCAACGGCTGCACCCCGCGGTTT	15544
GGAACCTGGGGAGGCCCAGGCAGAGGGGGACAGCGTGGAGCAGGGGAGCACACTCTGGGTGGGGGAGCAGCAGG	15545
AGGTGCAGGCGGCAGGGGTACAGGCGGCAGGGGTGAAGGTGGCAGGTGCAGGCGGCAGGGGTGAAGGTGGCA	15546
TGGGACCGGGTGGCCCCGGGCCGAGGAGGTGGTAGCAGGAAGCTCCACCAGGAGCCAGGAGCTGAGAGGA	15547
CTCCTCTGACATCCCGGAGCAAGGAGAACAGACGGGCTCCTCTGAGGTCCCGGAGCGAGGAGACCAGACTG	15548
GATGCCCCCCGGTGTGGGAACCAGCACCTCCCACCAACCAGCCACACCCAGTGGGGGCACAGCACAGACC	15549

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Table 1. Novel miRNA sequences

AACTAGCCGCCTGTGGTCATGCGCACCTGCAATCTCAGCTACTTGGGAGGCTGAGGCACAAGAATCACTT	15550
TTTCATGGTCCATCCTAATCCCTGCCGGTCCATCTGTGGCCTGCCAGGTTTCGCTTGTGGACCAGAGCACCC	15551
CGTCCTCCCGGGGCCGAGCCTCGCTGCCCGGCGCGCCCACTTTGCGGGAGGGAAACTGAGGCCGTGCAAGGAGG	15552
CCCTCCAGGGCAGGTCAGCGTGTGGCAGCCTTGGGTTCCTTGCTGCTGACACAGGTACTGAGGGTGCTGAGGA	15553
CCTGGGGCTTGTGGGTGTCGGCTCCCATCCCGGGGTCCTCCCCCGCCGTCCTCCCCCCTCCCCCGCCCTC	15554
GCTTGCCAGGAATGCCTTCTTCCATGTGGTCCACTGTCCTCACAGCCCTTCTGAGCCACATGTGCTGGCAGGGG	15555
ACTGCAAGTGGGTGGGGTGGCGGCCCCCGCCCTGGCGGGGAGTCCAGGGGTCATGGAGGTGGCGGGCAGA	15556
CATATACACCATGGAATACTATGCAGCCATAACAAAGAATGAGATCGTGTTATTGGCAGGAACATGGATG	15557
CTCTGATCCCCGGCTGGAGGTGGGAGCGATTCTGGCCCTAGAGCCCCCCCACCTTGCCTGGTGACAGAGAC	15558
GGGAGGCCCCGACGGGGAGCCAAGAAGCGGGTTCTCACCAGCAACCGCATCTGCTGGCCCCTTGATCTGGGCC	15559
GATGCTTCCTGGGGAGGGGCGCCCGCACCCTGGGGCAGTGGGGCAGCCGCGGGTGTCTCCCTCCCAGGTGTCC	15560
TACCCCATGCGCTTGACAGTATGCCCAGCCTGTCCAGCTACAGGACTCAGCAGACAAACAACACCCAGGTCA	15561
TGGACACCGTGGGCATTTCTGTGTGGATGTTGTGTGTGTGTAGCTGCACTGTGTGTGCGGACAGCAGGTGTGCC	15562
GACCCAGGCCTCCTGGGGGCCTCAGCTCAGCTGGAGCCAGGGTCTCTGGAGGGGCCTGGGTTAGTTTCCTGTG	15563
GACTGTTCACAGTGGCTTCCAAGGCCTTTGGGATGGGCCTTGCGTGCTGCCCTTCTGCTGGAAACCCTCCC	15564
TGCCTTATTTGCCAGATGTCCCAGAAGTACACAGGAGCAGACGCACCACTTCGATGGCTATTTTAGGAGGCTG	15565
CAGGCAAAGGCCGGCGTGTGCAGCCCCAGTGGTCCCCTCCTGCTGGGACCCAGCCATGCAGACTCCACCTTT	15566
TCCTACTGTACCTCCTTTGAGGTGCATTTGTTGTTGTGTCCTGGTCTGGTTTGGGTATATTAGAGTAATGC	15567
TGCCAATCCCAGTGTTACATTTGAAGGACTCAGTGACCCTGGGATTTAGTCATTAGGTTTTATGGGAGAAAC	15568
TGGCATTCAATACAGTACCGTTATTCCCACAAATAGCCACAAAGGGGCAATGTTGACTTGCCAACTATGAA	15569
GCCACACATTTTCATTTGAGATAGTAGTTGCGTTTGAGAGGTAACTAGAAAACAAATGAAAATTAAGGACTC	15570
TGATGTCATCACAAGCCAGGCTGATAACCCCCAAGTTAGAGCAGAGGCAGTGCTCGATTTCATTCCTGGAACAG	15571
GGTGGGGGTGCATGCCTCAGAGGGAAGCCTGAGTCTTGTCTCTGTTTTCCTCCTCCCCTCTTTCCACAGCAACT	15572
GCTGCACTCCATCATCCAACAGATTATTGGTTGACAGATTCAGAAATATCAGGCTCTGGCTTCTGATGAGAGCA	15573
GCCGCCGCCGCGCAGGGTCGGCCCACCCCCCAAGAGGGCCGCGCCGTCGGGCCCGGCTCGCAGCAGCGGCGGTG	15574
AAAAAAGAGGTAGTAGGTTGAAAGTGAGATGTATATTTGAGCATTTTCATGTAACATTATAATTTTTCTTTTT	15575
ACAGACCCGAGCCTCTCCCAGGTTTCGGCACCAGATGAAAAGTTCTTGTATTGGTTCAAACCCTGAGAGCGCTC	15576
CCAGGTAGCAAACCCCCACTAAGAGTATGCAGATTATGGGGGACAAGTGGGTGGAGTTCACCAGGGGTGA	15577
CTTAATGACAGTAATCCAGGCCAGGCGTGGTGGCTCACACCTGTAATCACAGCGCTTTGGGAGGCCGAGGTG	15578
GCCATATCATGCTCAATTTTTAGCCAAGAGAGTGGTCACCTCCACTTGCAATGAGCATTATTACCCCTTGGC	15579
GAACGATTTCCACACTGGTGCAGCACACAGCAGGGGACGGGAAATCCTGGTCCTCGCTCTTTCAGAGTCA	15580

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Table 1. Novel miRNA sequences

GCAAGGAGGTCATTTCTTGAAGGGAAGATTGGTCAAAAGCCAAATGGCTCAAAATTTTCAAATAAGATGAAGAC	15581
CCAGCAAGGCAGCAGAGATCTGATTCAGCAGGAATGACTCTTGCTCTTGTTATCCACAGAAAATCCTTTGAGT	15582
AGAGGCCTCCACTGGGGAGACATCTGTGATGGCATGTATAACACTGCATTGCACCAGACTGTTTCCTCTCCCTT	15583
GTGTTGGAGAGAAAGCGTTTGAGCACCCACGAGTTCATCAGCTGATGTGTTCTTGAATGCTATACTGAGCT	15584
AAGGTCCCTCTGCTGCAGGCAGCAGAAATTCTCCCTGCAAATTGGATTACCTGATCTATTGCTGCTTGCA	15585
TCAACTACTCACAGGTTGCTAAGTGTTTAAACCTTGTTTTAAAAAGGCAGACACAGAGCTGTAACCAGTC	15586
GTTGCCCCGATATCATCTTGATACTTCTGTCTCCAGAACTGGTAAGCTAGAAGTAACCCCAGGGTCTCCT	15587
CTCCATGCAGCTCAGCCAGCACCATCCAGGATCAGCTGTCCAGCTGCCAGCATAGGCAGGAGCAAACCTCAA	15588
ATAACACCTAGAATTTGATTTACACTGCCGGCTTTAAAGTACTTCCAGATCCTGTTGTGTAAACAGTACGGTG	15589
AAATTTGACTGTGTAGTTTATGGTTGGCCACATTAGTGGCTAACACAGCGTAACCAAACTTAGTCAACTTAT	15590
TGAGCTGTAACCACCAAGTCACCAGTGCGTGGGGACAGCATTGTCTGACCACATTGCTCTAAAAAGGCAGCATC	15591
AATTCTAGGAGGCTATTGCAGTAATCCAGGCTAGGGAGAATGGTGGTTAGATTAAAGTGATAGAAATGTAGA	15592
CTAAGACACTGTGCTGGCTTTGTAACATGTCAGTTTGGCTTGCTGACATGCAATGATTCCCTTTACATGTGTTT	15593
GGTGTGTGTTTCCCTCTGTGTCTCTACACATAGATGTTCATTTGGTGTCCAGTGGGACCAGGAATAGACTCTC	15594
ATCAGAGCTCTTTTATTCTTACCATTTCTAATTACAAGCAAGAGATGTAAGGGGGTTCTGAGGCAAGACA	15595
TTCTCCTGCGTTTTTTTTACCTTGTCCTCCAGGGGCTTAGTGTTGAGCTGTTGGGCCAGGTAGAGACCTAGG	15596
GCAGGTGCTCTAGAAGAATATACGGGTACTGGGTTGGCGGCGGGAGAAGAAAACTCAGCCCAGAGAAGGAG	15597
ATTTGGAATCCAAACTGCTGCAAGTTGAAATCCCTGCTTCTGGGGAAACTTCCCTCATGGCTCTGAGCATTGG	15598
AGCTGCAAGTGCGTTATCCTGGCTGGAGCACGGTGTCAATCACGGCAGACTAAGGCCAGCGGTGATGGCTTG	15599
CTTCTGGGCCTGGGGCAGGGCCCTCCTGAACTGCAAGGAAAGCCCCATTCCCCGGCATCTCCTGCTCTGTC	15600
CTTTGTATCCTATAGCCCCTATCTGAGGGGCCAAGCTGGGGGCCCCAGCAGGGGATGGAACATCAGGCAA	15601
TGTAGGATGGCAGGCACAGAAGTGAGGGTCCCTTTGGTAGGGTCCAAGAACCTTGGAAGCAACATCTCCCTTG	15602
ATTTCGTATCGTGGAGTCCTAGCTGGTCCTGATATTCAGTAATCAGAGTGGGTTAATCCAGCTATTACTCA	15603
GTAAATGTCAGTGGACTGCTATGTTTGGAAAACTTTTCTATAGAAATGTAATATATACTGAGCGGCAGAATGAC	15604
AACAGTTTCAGTGATATCCTGAGTGCAGGATGCTGAAAACAAACGTCTCTGAAGAACTGTAAGATTGTGTGT	15605
ACATGTTAGGTATGCAATATGCAACTTGACTTCTCTCAAGGAGCTCACAGTCTATGACCTGAACAGAGTATT	15606
CCCAGGACCCTCTCACCCTGTGCTGCCTCCTCAGGGGGCACCATCGCCCCAGCTTCCCCTGGCTTCTGGT	15607
TACTATGTTGCCCAGGCTGGCTGTGAACTCCTGGGTTCAAGTAATCCTCTCGCTTCAGCCTCCTGAGTAGCTT	15608
GAAAAAAGCCAGGGAGAAAAGAAAAAAAGGAAGGAAGGAAAGATGTCAATATAGCTCTTTTTTCCTCTCCA	15609
GGCCCTGGTCAGAGGTCAGGATTCCATTCCTGGATCTATCACTTACTAGCCAAGCAACTTTAGCCAATTACTT	15610
CGCTCACGACTTGTCCCGCCGCCACCCGCGCCGCGGCCGCCCAACAGGGACGCGAGCCGGGACCACGCCGA	15611

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Table 1. Novel miRNA sequences

CCTTGACCTCCCAAAGTGCTAGGATTACAGGCATGAGCCACTGCACCTGGCCTCATCTTTCGTGAGTTAAG	15612
CCCGCTTGCTGGCTCTCAGTCTTGGTCCTGTGCCAGGCAGGCAGCCTCCAGGCAGCGCCATTCAGGTGAGAC	15613
GTCAGATGTACACATTGGCTCATAAGAGTGAAAACAGTTACCTGGAGCTAAATTCATGTTCCTTGGCTTTCTGA	15614
CAACATGGCAGGTCAATTCTTGGGGAGCCTCGGATGAGGGAGGAAGGAACTGGGGAAACTGAATTGCTCAGT	15615
ATCCACAGACACCCACTGGGCTGGGCAGCAAAGGGAGACCAGGGCTCAGGGAAAAGGAGGTGAGTTGTCTGG	15616
GTAATGAGATCATGAGGATAGAGGTCCCAGGAATGGGATTAGTGCCCTTATAAAAAAGGCCCTAGAGAAC	15617
CCACATCCTGCTGCCCCCAAACTGGGCTGTCAGCCCAGGAGTCATTAGCAGGTAGCAGGGCTGAGCGTGGGG	15618
TCCTGCTGGTATGTGGACAGGCTGAGAGTGAACCCACATTTGACCAAAGCCTGAGCTGCCCTAGGGCTGAAA	15619
ACTGATAGTTGTCCCAAATTTGTTTGGCGATATGTCATCCTACAAAGCAGTATTGCACAGGGATATGTAGAGT	15620
ATATTTAGCACCATCTGACATATATATGAGATATATATGTAAATATATATATATATTTACGCATGGTGGCT	15621
GGAGGTGAATTAGAGTCTAGGTAGTCTGACTCCAAAGTCCACACACTTGGATACCGTCTCTTTACACATGCT	15622
TCGCCATCTGCACTGGGGACCAGGCTCTGCAGTGGGCCGGTGAGGCCCCGACAATCCTCCCGGGCTGGACG	15623
CCTGGGGCAGGGCTAAGAATACAAACTTTGGCAATAAATAATTTTTTGTTCAAATCCAGGATCTACCTGAAA	15624
CTCTAACAGTTCTCTCAAACTAGCTCCCACTAAGGTCATACTGCCTGGTAATAGCTAGGTGTGGCTCCCTGCA	15625
TCTCTAATAACCTTTTTAGCTTATTGAGTCAATGGTTCAGTGACCCTACCTAGGGGATTAGCGGAGAAGTACAA	15626
GTAGAGACAGGGTTTTACCATGTTGGCCAGGCTGATCTCCAACTGCAACTCCTGACCTCACCACCTGCCT	15627
GATTACAGGTGTGATCCACTGCACCCAGCCTGGGCTAGCTCTTTTTAATCAGTAATTTTAATGCGCTTGTAA	15628
ACAGTGTTTGTATCTTACTGTCCTAAGGTGAGTGGCCCAGTGTTTAGCAGCATGGTCTCTGGGGTTAGATAGT	15629
TATCTAAGCTCATCATCATGATCCCAGTGCCTCATGCTGCGGCTGGCTGGCACACAGTAGGTACTCAACAAAG	15630
AGTAGTAGCTTTATCTCATGAGTGGTCAGTTTCCTTTGTGATAGATCACATTATCTAGAAATGCACTGCTGCT	15631
TTGCAAGCAGCATTGTACAAGGAAAGGGACTGTGTACGTGCACTCACTGCCACCTCTTCAGATGCTCAATGA	15632
CCCTGTCCCTGTCTAGGACCTATTTGAGGGTCCAGCCTCTTGGTTTCCAGCAACTGTCCAAAGATGGGAGGGGG	15633
TGCTCATGAATTCCTTCTATAGCTTACTGAGGACTCATCTTTCAGCCTCTGCTTGAATATTTCTTGGACA	15634
CCTTCCCTGCATGCTTTTAGCTCTAGTCCCCAGACTCACTGCCCCTACTCTGCCACTAGGCCTGGGAAGGAAC	15635
ATCTGCCCACGGGATAGAACCTGTCTATAGAATACTGTTTTTCTGAACAGGACCTACGCCTCAGAATTAAG	15636
TTTTCTGACTCAGTTCAGCAGAGGACTCAGGTTGCCTTAGAACTCCGCCAATGGTTTGAGAGGGGAATAA	15637
GCTCCGTAGGGATTATCTAGTTCAGGGTGGCTGCCAAATATGTTACTCGTTAGTAGTAACTCGTTAGTAACTTC	15638
TTGAAGTTTACTGACCTATTAACCAGATCTGTTCAATGGCCTAGCAAAGGCAATGGTAGACTGTCAGAGGCA	15639
TCCATGCACACATGTTTTGGGCTTCAGTTTCTAGGTGCAATAGCACTTCCCTGGGGAGATCCTTCCACAC	15640
AGAGCAGGAGGACAGGGGATTGATCTCCCAAGGGAGGTCCCCCGATCCGAGTCACGGCACCAAGTTTCAT	15641
GATAGGGGTCTAGTTTCATTCTTCTGCATCTGCTGGTCCAGTTTTCCCAGCATCGTTTATTGAAGAGACTGTCC	15642

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Table 1. Novel miRNA sequences

GCACTGGAGCCCAGCGATCTGCCTTTCTAGATGTTTAGCTATATCTCATCTACAACATGGGCTGCCCTTGTTC	15643
GAGCTGAACATTAGGGTATTGACCCGTTGGCTCAAGGGATCTATCCATGGGCAGTATTTTTCACCTCGGC	15644
GGAGAAGGGAAGAAAGCTTCAGTTGGGTATGCGTACAACTTCCTAAACGCACTGCGCGTGCTCACTTCCCAA	15645
TCAAGTTCCCACTTTTCCTGCAGCACTAGTTCTGAATGACATTTTTAGCTGCATCTCTGTAGCAGTGTGGGAG	15646
ACAAATTCCTAAAATTTAGAGCTAAACAATGGCAGTAGCTGTAGTTTCCATACTGTTTTGTGATGGGACTTGGG	15647
ACAATTAGCACCATCTCTGGCATTTATTCACTAGATGCCAGTAGCACACACCCCTCCTCTAAGTTATGGCAA	15648
TGAGGTTTGGGGTACAAATGATCCCATTACCCAGGTAGTGATCATAGTACCAAATTAGTTTTTGTTTAGCCTT	15649
ATAGACAAATCTGCTATCATAGCTGGAAATGTCAATTCTTTCTAACAGTAATTGACAGATCTAGCAGGCA	15650
ACGCTTATGATATCAATGTGATGATGACAAAAGTCTGGGTGTAAATAAAAACTAAGATTTCATTGTCGAAGTGG	15651
GAATGTAGCACCATCTAGTAAATGTTAGTCTTGAAGATGATGATGAGGAGGAGGAGGATGGTGATGACTGAA	15652
TTAAGTTCCTTATAGATGGTAGATATTAGGCCTTTGTCAGACACAGTTTGCAAACATTTTCTCCCATTCTGTAA	15653
TAGCCAGTGTCAAGTCTGAAGTGAATTTTATATCTTTTACTTTTGTGAGTCATCACTTTTATGTTTCACTGA	15654
TTTTTTTTTTTCTGCCACAGGGATGGTAGCTGTGCAAGGTATCTGTAGTGCAGGAGATCAGTAACTGGGATA	15655
CCTCTCTTGGGCCTAATTGCAATCACCCAGAAGAGAGACTGCCATTGGCCTAACTTGACTAAGGATACATAT	15656
ACAACTCAGAGTTCTGTGTACTATCTATGGCTTAGATACACGACGGCTTTCAACTCTGCATTTTGAGATCT	15657
TGGTAGAGACGAAAGTGAGTAGTCTGCACTAGTGAATGTAGCTTGGTAGTAGGCGATGGTTGCTGATTTTCCTC	15658
GTTTTCCTGAGAAAGACTGAGGAATCTGCCTTGTAATACATACTACAGGTGGCCTTGGATCTCACTCTGAAA	15659
CAAAGCCAATTCTTAAAAGAATAGTCTGTGATGAAGCATACACTATGATTTTCTATTGGTTTTTCAATACAAT	15660
GATTGAGAGCCACCAGTCTGGTGGTTAAAATTCGAGACCTTGGGATTATATAGATGTGGCTTCAAATCTGACT	15661
TAAAAATAGTTCACAAGCTAAGGCTCTCCAATCATACCTTGATATGGTTCTGGGAGATCCTTTTCTATTCA	15662
TTAAAAGGATAGAATGGCATGCCAGGAGAAAAAGTCTATTGATTGATTTAGTTTTAGCATCCAATCTTGCG	15663
ATAGCAGCAGGGTCTACTCTACTTGTAAACCGTATGGAATTTGAGATAGACTGCTTAAAGCTATGAATTT	15664
AACCTCATAAATGGCTCCCTGAGACAAGCTGGCTACTAACACTAACATGGACTCTGGGAGGCACTTTGCTCT	15665
AGCTGGACCTCTATTCACGATAGACCATTTTCAAGGATAGCAGGAAAACTGGCTATCAGAGAGAAAGAGAAGTT	15666
ATTATTTGTTTCTTTGGGAGAACAGGCTGCTGAGAAGATGCAATGGTGGCAGTCTGGGGGAGTGGGAGGGAGGT	15667
GATCTTGTGCTGGGCTCAGCGCCCCTGAGTGCTTTTGGCTCTCTAGCTGCTGTTCACTCCGTATGTGGGGTGC	15668
CAACCTGGAGCAGGGGAGCAAGGCCACTGGCATCAGTGTGGATGTTTGCACTGGTGGTGGTTGGTGTGGGGTTG	15669
GGAGGCCACATTCTGAAAAAACAGTAGCCGCTCAGCTCTAACTGGTGGTTTCCATCAACTCATGTAGACT	15670
CCTGACTTTTTAATAATCAAACATATCTTGCTAACAGCAGATTTTAGTAAGGTTGATCTGATAAGGGTAGAGGA	15671
ATAGCTGTCAAGGGGCCACTTTGACCGACGGGGCTGCGGTCGACGGCGCTCCCCGGCTGTCTTTTTGTCCCAGG	15672
TTATAATGCAATGTGGTAAAGGCAGCGTGGTGCTGTGGGCATGGAGGAAGGTCCATAGAATGTTGGGAACACA	15673

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Table 1. Novel miRNA sequences

CTCCCCTCATTCCAGTCAGTCAAAGTCATCGCTAAACCGAATTGACAAGCAATTGATACGGTGGCGGCACGGAG	15674
TAGTGATTACTACATAGATGACCATGTTGGGTAATAATTGAATTTATCGGTGTCTGTGTTGTAAAACTGAAT	15675
CTCAGTTGTTCCTGGCTCACCAAAGAATTCTAAATCCTTGTTGTCTAGGAATATGAGACAGTAATGAAAGGC	15676
AAAGTGCTGGGATTACAGGTGTGAGCCACCGTGTTCAGCCTAAAAATACTCTTATATCACCTAGTCACAT	15677
TGTTCTGGTGGCAGGGCTACTACATGCAATTAACAGCACACAACTCTAGGGGGAGCCACATACATGGGCCACC	15678
CTAAAAGTTTAGTATGTTATTATTGTCTCTGTTTTACTGATGAGTGAACTGAGGTTCAGAGAGGTTATTTAGCA	15679
GTCTGGGTGCCTGGTAATGATGCCTGCACTGGCATGATGCTGTGGCTTTCCAGGCTTGTTTTACCTGGTTGT	15680
CAGGAATGGGCAGTCCTAAGCTACTTCGTGTCAATGGGATCTGAGGAGAAGTTTGCTTGGGGCTTCTGGGAAAT	15681
TTTCTGGAGTGACTGGGAGCAATGCTGCAATTGAGCCTGGACAATCCAGGATAGGCAAAGTTTTGGCTCAGTC	15682
CAGATAAGGAAGAAGATACCCTAGTTTAAATGAACTAGAGGTAACTCAGTTACAAACCAAGCTTAAGTCCTG	15683
TTCAAATGACATTGGTCTTTATTTCCAGTAGATGGGCAGTAAACAGGGTCAGGGTGGTCAAGGGATATGATT	15684
GCAGACCCACACATTATGTAGCCAGTCCTACAGGGCAGCCACACATGTGCAGGCTTGCATGAAATCCTCTTAC	15685
GGGCAGGCACTTGCATGTGCACATACATGCAAACAGTGCACAAATACATACTCCTCTGCTAAGAGAAATTCGC	15686
ATTTCTCCCCTTTAGCAGATGCTTTAAGTACACATTGCTGACTTGAGCCCACCCCCAGGAGTTAGGAGAACAT	15687
GTCAAATTCCCAGGAGATGCCGCTGCTGCTGATCCAAGCACCATTTGAATAGCGAGGCTCTAGTCTACCA	15688
GCTCACCTTTCCAATGTCTTCATTAGGTTTATGGGGAATCAATCTGGAAAGGTTCAAGTCATAATGGGTTCC	15689
CTGTAATTTCTGAGACCACCTCCTGCCTCTAGGCTCTGACAGCCAGGCCAGTGATGATGAGGTCCATCTTC	15690
CTGGCAGGGCATCATCCTGCGCATGAGGAGCAAATGACTGTACAGCATCCTGAAATCAGAACCCCTGCTA	15691
ATTAAATGAAGTAGCTGGACTGGGTGATTTATTAGGTTAATAAAAACTTTAAAATCATTTTGTTCTCTATTTT	15692
TGTCATTCATTGCTTTCAGCGCAATGATGCTGCAATTGGGACCAATCATATCTTCCCTGGAGGCTTGGGGTGA	15693
TTCCTCAGTGTGGATTTACACAACAGAATAATACATTTGTAACAATCTATGAATCTACAGTGACACATCACTG	15694
GAAATCCCTGTCTCCCACTAGATTGTGAGCTCCTAGAAGTATGGGGAGCACATTGTAGATGCATAATAGTTT	15695
CATGGACCCTTCAAGCCCCCCACTGCTGGCGGCTGGCCATCATAGCTCCCTGGGAGAAGGGCCTACAGTA	15696
TGGGTTACACTCTCTTTCTCTCGGAATTGTATCTATTCTTTTATCTTCTGCACTCCAGAGAAGAAGAACA	15697
CAGGGGAGCATGCTGAGAGCTTACACATGGTGTCTTGCATGGCCGGCAGCATACAGATTTCCTGCAAAGTA	15698
AGGAGAAGTGTACAGTGGATATAGGGAAAAGCCCCTTATAAAACCATCAGATCTTGTGAGAACTCACTCA	15699
TTACAGAATATGAGAATCAGCCTGTCAGATATTCTGCTAGATAACTCCAGGGATGTTCTCTTGTTTAAACCTC	15700
GAGGTAGGCTTTATTATCACATTATTGAAGATTAGATCATTGTGGCTCAGAGTGGTTTAAAGACTTACCCAA	15701
AATAGAACCAACTGCTTTGCAGTGGCTACTGGAATAAACAGGGCGACATTGTCAGAAGCAGGAAGCACTTTCTA	15702
TTTTTTTTCTGTGACACAGCCTCAGGAGGTCCTGAGAACATGTGCCCCCTCTGCTTTATTTTGTCAAGAAA	15703
ATGGAGCTTTTATCAGCTAGTATTCCAGAGTGAAAACCACATGGAGTAGAGGCTCATAACAAGACAGACGT	15704

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Table 1. Novel miRNA sequences

CAAAATGACACTGAATCGGACCTGAGACAAATTCCTCATAGAATAGGTCTTAGTTAAATTCTGATTTCAGTT	15705
AAATATACTATATTGTTGCCACATGGACTGTCAGTTTCTGGTTTGAGAAATACAAACATAGTGGATACACTTC	15706
CTTTGGTGTTACAGCCTCAGTGATGCAGCTCTTGCAGCCTCAATCACTGACTGCTTCATTTTCTCTCCACTT	15707
CGGGCTTTAGGCCAGCCCCTGTGGACTCAGGTTCAAAGCCTATCCCCATACATTCAGGTTCCAGGCCCACCTC	15708
GTATAATCAGCATTGTTCCATAGGTCCTTGTGGTGGCTATGGGGTCACTGGCTTTAGTGAGCATAGCTGCCT	15709
TCAAAATCCTCATTTTTAAAATGGATAATGGTGGTCTAGGTGGTTTCCACGTTCTATGTATCTATATTGAAGA	15710
GGTCGTGTAAAGACAATGCCATGTTGGACTGCCAGAATGAGCCAACAGTGCTTGATGTGCTTCCCCCTGA	15711
CAGCAGTGTGTGCTATTGACCTGCATTGACGTCAGTGCGTCATTAGGTCTCCCTTAGAAACACTGACTTTCA	15712
CCTGCAGGCCTCATCACTTGCTCCCTGTGTCCAGCTCGGGGCCAGACACAGGTGGTGTCCATCTCCCACTC	15713
CTAGAGTTGGCAAATCCAGCAGCTCAATGGAGGTAAAACTCTCAGTTGGCGGTAAAACTCTCAGTTGGCTTC	15714
GAGTCAATTTTATACGCAGGAACAGTGCTTGTTATTCGAAGCATTTCAATGGAAAGTCCATGTATAAAGT	15715
TACTGTGCTAGGAAGTGAGGATACAGTGGTAACTACCCTCTTCCCAATGACACAGTGACCCATCTTCAGCT	15716
CTATTTGGGGGGTCTGCTAAATTTAGGGGTTCCATGAATATGCCTAAGGAGTGACTATAATATCCAGAGTGGA	15717
ATCACAATGCTGGTGAGCTGGGCCATGGGGAACGTTTTGGCTATGGTTGCAGTCTGCCCATTGACGACACG	15718
GTGGGGTCTGTAGTGTAGCACCAGGGTCCCGTGGTGCTGCTGTCGGGGTTGCGGCAGAAATTCTCCTGTAG	15719
CTGGCCCCCAGGGAGATGCCAGGCCCCTCTGCTCCCAGTCTCAAGGGGCCATGATGGTGGCTGAGCCTGGGGGG	15720
TCTACATCGCCTTGGTGAACGTGCTCCCTGACCTCTTGGAAGAAGAGGACCCGTGGTGAGTGACCTGTTGG	15721
GGGTTAGGGTGGGTCATATGTTGCTCAGGTAATTTTATGTTTCTACAGATTTTTTGGGTGAAGAGTGGCCTA	15722
GTCCTTCATGTCTCAAAGGATGTTCAGTCTTTATGAATATCTCATTAAATGTCAAGAGACTGGACATTAACCTT	15723
CCACCGCTACTACATGGACTGTTATCTCATTCACAAATATGTTTCCACAAGCAAGCTTGAGTATTGGCGG	15724
GAGCAACTGGATTAGAAACCGTAGATCTAGTGAATGGTTTATTTTTTAGGTAAGCATATTGAGTCCGGAAT	15725
TGGCTCTATGCAATGTCTGCCTCCCAGGTTCAACGGATTCTCCTGCCTCTGCCTCCCAAGTAGCTGGGGCTA	15726
TCCTTGCAGCCATCCTTTAAGAGGGGGCATTTTCACCTCATTTTGCTCATAAGGAAGCTGAGACTCAGAGAGGT	15727
GTGCAACATGGCAAGACCCTGTTTATCTGTACAAAATTTTTTTTTAAAAAATTAGCCAGGTATGGTAGCCAT	15728
CAGGGACAATTTGCCTAGCTTATCTCTTCAATGGGTCCATGAGCTGGGTTCACACATCTCTAGCAAACTGATA	15729
TTGGAAAATGTAGAATAAGTGGATCAATTCCTGGACACACACAATCTGCCAAGATTGAACCACCAAGAAA	15730
CTTAAAAATGGCAGAGTAATAATGTAAGGCATACACCAACAATGCCTACAGAACAGGCTATGCTTGTGTTC	15731
GGGGGAGGGGTGATAACAGCACTCCTTTGGCTGACCCAGCTGGTGTCTCAGTATGTCAAATATCCCCCTAGT	15732
AGGAGCAGACGAATGTTGGGGCAAAGGCACAGGTCTCTATCTTGGCAGGGCACTGCCCAGAAGCTAGGCAGA	15733
GTCTGCTCGCCCCTCCCTGCTGTCTCTTAGTGTTGAGGGAAACAAAGATCACACCCTGGGAGGCAGGAGG	15734
AAGTGCTGGGATTACAGGTGTGAGGCACCATGCCTGGCCTCATTCCCTTTTAGTAATACTGACTGTAATT	15735

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Table 1. Novel miRNA sequences

GGCCTTTGTGGTTTTTCCCATATTTCAAAGTATGACTTATTATGGATATAGGGAAATCATTACAAAGGCCAAAG	15736
AATCCTAGCACCACTCAGGTGATTGGCAGTATGAACTTCTCTATGCCTTAGTTTCCTCATCTGTAAAACAGAGG	15737
GGATAGCTCAGTCGGTAGAGCATTAGATCATACGCTTTTTGTTCAATTCTGTATCTACACGGCTGTCCACACTT	15738
TTTTTGTAGAGGGAAAGATTTGTTGCAAGTCAACTGGGAAGGAGACATGCTCAAATCTGTCTCCCCAAGCCAG	15739
AGGTAGGCCTTAATTTGCCTTATAATGCAGATGAAGAAAAAGAGGCGCAGAGAGGTCTGTAAAAGGTCATG	15740
GTGGGCACAGCAGAATAAGCCCTAGGTTTGGGGTCTAGGAGAACTAGGCTGAGACCCTAGTCCAGCTGCTAACC	15741
AGCCAACTCATTCTCCAGCTGGGGGTCATCAGCTCCGGACTGGGCCTCCCGCCCCCACGTGACCCCTCCCAGCT	15742
CCTGAGCTCAGTCCCTCCCCCATGTGGCCCAGGTGGGGAACTCATTTCCAGGGTAGGTAGTTGGGGGCTGGCTCAG	15743
GTCTCTGGCTCTCAGGTTCCCTCTGTGCCGTGAGGGGCGACCAGCTGGAACAGCAACTCCAGTGTGAAGAC	15744
CTAGGAGGCAGCAGGGTGTGGACACAGGCTTCAAAGTGACACCCACTGGGCGTGGTGGCTCACGCCTGTAATCC	15745
GCGCCCAGCCACCCGGCTGGTCACATTGGCTGCGACATTGTGACTCAGGTCAAAAGGGTCCTGGAGATTC	15746
GAAGGGACAGTGGTTGGTGGCTTCCAGACATGCTGTGTCCTCAAGAATCCAACAAGCATCTTCTTCATCCTG	15747
CGGCAGCTCACAGGACCCCGGAGAGTCCTGGCATGGTATCTCGGTCCGGACTCTCCGCTGGGCCCACGAAGGAG	15748
CCTCCCAAAGTGCTGCAAGTACAGGTGTGAGCCACCGCACCTGGCCTAATAAATGTTAAGACTCCATTCTT	15749
AAGCGGCCGGCGGAGAGGGGCGGGACTTCCCCGGGAGCCGGAAGTCCCGTCTCACGGTTGCCCTGGCAGC	15750
AGTGGCGGCGGCGGCAGGCGGCAGAGGGGAGGTAAGATTCGCTTTAAGAGGGGATCTGGCCGCCGTGTCAGCTC	15751
ATGCCTTGCCGCGTTGCTGGTCGGCCTGAAAGTAACTCTAAAGAGTGCGTGGGTCGGAGGACATCGGGGCTGAG	15752
AATCTCTGCTCTTTCGTTGAGTGTGTGGAAGTTGCTACGGGGATGATTTTACGAACTGAACTCTCTCTTTCTGA	15753
CTTTGTGAAGGACAAAATGGCGATGGCGGGCCGTGTAGGTCCCCCTTCCTATGATGAGGACCTTTTCACAGA	15754
CTGGACATGAGGCCAGTGACCTATGAGTTGACGCAGCATGAGGACTCTGCCCAAAAGTGGTGCTCCATAT	15755
GAGGACTTCTCATCTTGTTAAGACTCAGTCTTGTTAGGACTGAGCCAGGGGATATCAGGGGACCTCAGGGGAA	15756
CCTTCTCTGTGAAATATTTTAAAGACTATCTGGATGTTCTGGCATGCACCTGTAGTGCTACCCACTCAGGAGGC	15757
GAAGCGGGAGGTGGTCAGCCAAGCTGCCACTGAGGGGAAAGGCGATCTGACCAGTGGAAATCTTCTAGAA	15758
CCTCCTCGTAGGCCTCCAGGATAGTCTGGCGCTCCTCAGGCGTGAAGTCCATGGAGAAGGGGTGCACCTGCAGG	15759
GGCCGGCGGCCCGGGGCGGGGGCCCCGGCGTGGGGGAAGGGAGGGCTGCGGCTCGGGGCCCCTCTCCGCCGCCGA	15760
CCCAGCCCTGTTTTTTCGTAAATACGAAGAACAATGAGAAAAATTTGTGTCTGAGGAAGCCTACTCTGGAA	15761
ACCCATGGGTGAGGTGGGGAGGCTGCAGCAGGACCTAGTCCCCGCTGAGACCCTAGCTCCCCTCAGGCATCC	15762
CACTGTCCCCCTCACCCCTCTCGCCCAGGAGCAGCAGTATGCCCGCTGGATGGCTGGCTGCCGCCTGGCCTCCA	15763
GGCTGGGGTGCAGGTGGTGGGGGGCAGGTGGGACCCCAGCTGACCCTGCTGATCCTCTCCCACCCCAGACCAGA	15764
TAGGCCCGAGGTTGGGCAACCCGTGTGGCAGGGTGTCTCCCATCCCCCATACCAGTGCTTTCCTGCGAACCTA	15765
GTGAGCCCCGGGGAGCGGCCCGGTGCCTGGGCGCGGGGGTGAGGGCCTGGGGCGCTTCGTGGGGGGTCGG	15766

Table 1. Novel miRNA sequences

GGGTGAGGAGTGGCTATCAGTGAGGGGAGAGGCCAGCAAGGTGCTGAGGCCACTCCTCATGCCCCCAGTTTCAG	15767
TGGGAATACAGAGATGAGTAAGACACGGTTCCTGCCCTCGAGGAGCTCACAGTCTACTGAGGGAGACAGACACA	15768
ACCCTCAGAGCTCTGGGGGGAGAAATGGAGACCTGAGCATCCCTGCTGCCCCCTAGAACTTCTCCAGCCCTCTG	15769
TGGAAAGCACTTTCACATCCACTGTCTCCTTCTTGCCTCCCAACAAGCCGGCGGGAGGGGGTGGGAAGGCCATC	15770
AGTGTGAGGATAACCAGGAGCATTGATGTCTTAGAAGCTTAAGTGAGGGGCCGGGCATGGGGTTCTCACCCGT	15771
GGATTCAAGCTTCCTTCTTGAGGTAGCCCCTAAGTGTCATGGGCTCAAACACCCACTACCAAAAGAGTCTGCT	15772
AAGGCAGGGTACAGGATAGCACTGAGACCTGAGTGTGCTCAGTGTTAGGAAATGTCTGGTCGTCCAGTGTGGC	15773
GGGCCGCTCGCCTGAGCCCCGGCGGCGACCCGCGCCCCGGGCGCCGCGCGCACTCCCCACACCAGTGAGCCC	15774
ATGCTAGCCTTGCAAATGGGTTTGGAGACGTCTTTTTCTTCAGGCTTGAATACTTTATAGGCCAGGCATTTG	15775
TCTGCCCGCCCACCCCCGGCCCAGGCCCGGATGAATGGGCTGAAAGGGGATCCAAGCCGGGAGAGCAGCAGG	15776
TTTTGCGGCCGAGGGCACCCCTCGGGGCTGGCGGGCCCTGGGAACTGCGCCCCGGGCGGGTCCTCGCACCGC	15777
CTGTGATCCACAGAAAGGAAAGGCCCAGGGGGCACTCTCCACTGCCTTTGCAACTGGACCTAAATTTCTTTTCT	15778
TGCGCGCCAGGGTCGCCATGCACCTCGTGTGCCCCTCGCGTTACGAGGCAGCCGTGCCCGACCCCCGGGAGCCG	15779
CAATTTCCAGGGTGGTTTTATGTGGATTCTCTGATTCTACTACATGAGGCATGTTAATGGAAAAACCAAACT	15780
CATCGAGGCCCACAAGAGGGGCTCCCGCTTCTGGATCCAGGACAAAGGCCCCATCGTGGAGAGGTGAGGCGC	15781
ATGAAACTCAATGTGCCCCGAAAGACCCGGCTTTACGTGGATCAGACACTGCGAGAGCGGGAGGCTGGCACC	15782
AGGCTTCAGAAAGATGTAAATCACTTCTCGGCCAGTTTACATGCTAGACTGGTGTTTCTTTAAATATGCTAAAA	15783
CCGAGGCGGGTGGATCACTCGGATCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGAAACCCCGTCTCT	15784
AGGCTGAGGCGGGAGAATCACTTGAGCACGGGGAGTTGGAGGTAATCGTACCGTGAGTACAGTGAGCCGTT	15785
AGAAGGGTCCTGAGAGATGAATAGGAGTTCATAAGCCCAAAGGGCAGAGGCGGTGGACACCTGCAAAGTCCTGG	15786
TATAAAGTCTGTCTTGCTTAGTGACTCTCTGCCTTGCTGGCTTTGAAGAAGCAAGCTGCCCTGTCACGAGCGG	15787
GACTGGACAACTGTTCACCTAACACTGTTACTGTAAATGTTGGCAACCGATAGGGTTTGGCTGTGTCCCCACC	15788
GGGGCTGCTGTGCCCACCAGGGCGGATGTGCCTACCGAATCCCACTCCTCTGTGTGTGTCCCTTTCAGGCCCT	15789
GACCCTGTCTCAAACAAAAGCGAAAACAAAACTTAGTAAAGCTACTGAGATGGTGTGGCTTTGGCAAAGAAT	15790
GTCCGGGGGGAATACCGGGGTTCCTCTCGGCGCCCCGGTTCCGGCGGCGTCCCCCACCCGGTCCGGTTCCCGG	15791
CTTGGCAGAGCGCTGGCGCCGTCGGGCCCGGCACTCCACGTGCAGGATGAGGGCCAGGCAGGGCAGCACCATG	15792
TGTTCCTGACAGCGTCCTTGACTAGCTGTTTGATCACCCCGAGCAAAGTTACATACCAGCTTTCAACCGTTG	15793
CAGGAGGATCAAGAGGGGCAAAGGAGGTTTGCAAGATCCAGGTTGGTCAATCAGTGTTTCTTATTCCCCTGGC	15794
CACAGTGGCCCCTGCTGGGTTAGGTGTGAGGCATGGGGGCGGCTGCGCCCGTTGGGTGCTCTGTGTTACAAAG	15795
GTAGCCAGTGCAAGGGCCCTGAGGCAGGAGTGTGCCTGATGCATCAGAGGCTCAGCAGAGAAGCTGGCCGGGC	15796
AAGTGGCACCTGTGCGGCACGTGGTGGGGCTGTGGCCCAGCCCTGCTCCTTGTGGAAGGTCTGTTTCCTG	15797

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Table 1. Novel miRNA sequences

CAAGAGGTGGATGGGGAGGGGGCATCTCCACCAGGTGACCTTGATCCCTAGGATCCCACCCTGTGCAGAT	15798
AGGACAGTGAGCCACTGGTATGGATGGGCACCGCTGGTGGGTGCCCTGGGGTGACCAAGGGGGCGGGGTTAG	15799
TCTATAGCAGGAGGATATGCGTACAGCACAGTGTGGCTGGTGAGGGGCATGACGTCTTGGCTGTTGTTTACG	15800
GACAGGATCTGATTCAATGCTGGAAGAAGAACACACTTCTTGTCCAGCTACATCAGAAGGCGGTGCGAGGCA	15801
CTGAGGAAGGTGAGTTAGCAGATGCCGTAGAGGTGGAGGTCCCTGAATCCATCTGTGTAATCCAAGCCTCAT	15802
GCTTGAACCCAGGGTGCAGAGGTTGCAGTGAGCTGAGATCGTACCACTGCAGCAGCTCCACCCTGGGTGAAAG	15803
AGTGCCTGTGTGTCTCCTGAGAGCCTAAGGATAGGACTTCCTAGCCTGCCATCACCGCTGCCACCAGTGCC	15804
AAGACTACCAAATAGAACGAGAACTTTGAAGTCGGATGGCTAGTGATATCGCTAGTTAATAGCAGCAGGG	15805
CGAAGAGGTACGATTCCGGAGAATCGCGAGGCAGAGCGGGAGCGCGCAGCCAGGTAACCGGCGCGGGCCC	15806
GCCAGCTGATTTCTCATCACATCATTCTGTGCCCTTGCGTGGATTTTTGTCTACTGTGTTTGTTGTCAGCCT	15807
GCCCTTTTTTGTGTCTTTCCTGGGAGTCACATCTGGGGACTTAGGAGAGGTGTAGAGTAAGTGATCTGGGC	15808
AAGAGACAGGGCAAGACCTGTCCCTACTGTCTCCAGCCAGCCCTGCTCCTTACAGCCTCACATAGCCCTT	15809
TAAATGGAGATGGGCACTATACATTAGAAACAGAGTAATGTAGGTGGCATTTATCCATGCAATCAGTGGATCT	15810
AGGTCTGTAGACCCAGAGGTTTAACAGTAGTGGAACATTAAGTGTGGGCAGCCAGGTCATGGAATACAAGGCC	15811
CTCCTCGTTTCTGAAATTAGGCATTATATGGTTCCAGGACCCAGCCTTCAAAATTCCTGGCAGGCCAGCTTCAA	15812
AGGCTTGGTAGTTTATGCCTGTAATCTGAATACTTTGGGAGGTGGCCAGAGGATTGCTTGAGCCCAGGAGTT	15813
CAGGTTCTCTAGCTTTTGCGCTGAGCTCTGTCTGGCTGTGCATTCCGGAGAGGCTCGGCAAATTTGCTGTGA	15814
TTGTAGGGAAGTGAAAGGGAAAGGGTGGCATCAGAAAGTGATAATCCAGGATCCTTACCAGATCTCTTGATCAG	15815
TAGAAACGAGGTCTTGCTATGTTGCCCAGGCTGGCTTCAAGTAATCCTCCTGCTTTAGCCTGGCCTCAAGTAA	15816
CATGAGGATTAGAAAACAGTTGTTGCTGGGCGTGGTGGCTCACACCTGTAAACCCAGCACTTTGGGAAGCTGA	15817
CTGACACATCTGTGCCCTGTACCGTGGCTCCTTTCCTGGAAAATGGGGTTTGGAAACAGGGCTCTGTCAT	15818
CTGCATCATGCATTTTTATGGTTTATTCAATCAGTTCCCTGTATAGTGATGAATACGTAACCTAATGAATGAT	15819
GCAAGAGGAGATGCCATCATGCCGCCAGGGAGTTCTTGAACTGCTGATGGTTCCGAGACAGGCAAAGGGTCCTC	15820
GGGTGGTGAGCTGGGTTAGACCCAACATGGGGTGCCCCTCCAAGTCAGGGGTCCCAGGGCATCTGGTCACTCC	15821
ATGCCCAGTGCTCTCACCTCTTTTTGGATCTGCCTTTCCAGTGGGAAACTGAATCAAGAATCCAGTTGGTGGTG	15822
GGGGGAGCGCCGAGCAATCTGGGGGTGCGCGAGGGAGTAAGAGGGGCGAGGGGACCCTGCGAAGCGTTGGGTGC	15823
GAGGCCAAGATTTAGATTTAGGGGTAATGTAGGAGGTTCCCTTGGGCCTAAATCCCCCTATTTTAACCCAGTCC	15824
TGCGGGAGGCGGGGCGGGCACGGCTCCACCGGAGCCGCAGCCGCCGCCGCCGCGCCGGGGAGGGGGAGTGGG	15825
CCGGCGGGGACTAGGCGGCGCGGCGCGGCGCGAGCCCGGCAGCCTCGCGCGCGCCCGCTCCCCCGCCCCGAGCG	15826
TCACCACCCGCATAATATCATCTGCTTTGAAAGACTAGGCTTTCTGTGAGCATAGCTTAGATGGATGGTGA	15827
TTAGTCAGAAAATGAGAGTTAGAGCTTTGAAGATAGACAAGACCTTCAAAGTGAACGGCTACAACCACTTTCT	15828

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Table 1. Novel miRNA sequences

CCTGAAGGCTTATGTCACCCCTTGTTCAAGCTCCTCAAGAGCTTCCTCTTGCTGCTTGTGCTAGTTGGCTTTT	15829
CCCTGGATCGTGCTCATAGCACATCAAGGTAAACAGAGACATTCCCAGGGTGTGTACTGTAGGCAATTCTA	15830
AACCTTCTCTCAACTGTGACTGGGTCAAATTCCCCCAAGATTTCACAGCTCTGAGTAGATTCACTTAAAGCA	15831
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ACCGTGGAAAGAGTTTCTGAGTAATCTGAGAACTTAGTTCTCAGCATTTAATTTTATACTTGAGGAAACTGA	15840
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GGGATGATACTCCTAATGTCATAGCAGGTGTACCCCCTGTGAAATTTTTTTGTAATAGTTTTGGGGGATGTTA	15852
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CTCTTAGGCAAGAAGGTGCCCAGTAGAACCATTTACAGGGATCTATGCAGGGAGATCTGCAAAAAGGACAA	15856
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ACTGTTCTGAGTTGATATACAACCTCAGTAAGCCAATAGAGGTCCACAGGGGGTCTGGTTGAAATGGAAGAGCA	15858
TTTTCTCTAGAGCAGTCCCTGAGACAAATACTTGTGTGCAAATAGAATATTTGGGAAGTGGTCCCAGGGAAGT	15859

Table 1. Novel miRNA sequences

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TACTGCTAAAGGGTTCAAGGACTGAGCATGGTGGTTCATGCTTGTAATCCCGACTGTTTGGGAGGCCAAC	15864
AGTTTATAGTTTTTTAGAAATTTTATTTACTTTGTGTCTCTTTGTCAAAATAAAATTAATGCTGAAAAGCTATA	15865
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CTCAGGATGATGCCATATGATCCATATGCCCAAAGGCTGTATCAAAGGATAAAATAGGATTATTTCTAAT	15889
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Table 1. Novel miRNA sequences

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ATTGCCCAGGCCAAGATCATGGAGCTTTTCTTGTATGTTTTCTTCTAGTAGTTTCATAATTTCAGGTCTTA	15911
GAACAGGGCAGAGCAGCAATATAGCCAGAGTCTAGCAATATAGACAGCTGCTCTATTAGTCCTGGCAGGCT	15912
GGAAGCATCATCAACCATCAACTTAGCAAGCTCGCCTCCCTGCGTTGTTATTGAAAGGATGTGGTTTCTGG	15913
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CACTGGCCCGCATCCTCCACCTGGCCCTGGCTTGACATTAGGCCATGCTTCCAGATGGTTGATCGAAACACAG	15915
GGACCGATTTATATGTCGTGTCTCTTTTCTTCTGCTAGGTTGTAAACTTGCTGAGCACAGGAAACATGCATATG	15916
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CTGACCACTCGCCAGGAAGTACATCACCAGTTCAAAGGAGCACAGACCACTGCTTCCCCCTGGCTTTGCC	15918
CTCAGCCAGGGAGTGGTTGGAGTCTCACCGTTCCTGTCCCCGGGTGGAGGTGGGAAATTCTTCTCCATGAG	15919
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ATACATGTGATCAGGAGATAGTGAGTTCAGGAGTAAAGGAGAACAAAACCAAATGATAATGACTCACATGTA	15921

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Table 1. Novel miRNA sequences

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AGCCCCCACATTGATCCTGCAACTTCCTCGTGTAGCCTCAGCTATCTAGCAGCACATAATGTGGTGACTGAA	15925
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AATCCCTAAGCACACAGTGTGCTGACTCATAGTGCAGCGATCCAATGCATCTCCACCACTATGGGTAAAACACGC	15927
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GAACTTTTATCTCTACCTGAGGGCAAGAGGTAATCCAGGTCTCCAGAACAGGTACCACCGGCTCTTTAGGGA	15948
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GGCTGAGCAGCAGGATACAGCTAGCGTGGAGCAGTCCTCCCAGAAGGAGTGTGGGCAACCTGCAGGGTAAGCT	15951
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Table 1. Novel miRNA sequences

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CTTGGTCCATTTCGGAGTTGTTCAGAACGGATAACTGTGTGCACACTCCAGAAAAGGACTTCCAAAGCCACA	15961
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GAAGGGCAGAAATGGGTCCAGCAAGCCCAGGGGCTTTCCCAGAACGGGCACAGAGGCAGAGTCTGCAGCCTCC	15982
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Table 1. Novel miRNA sequences

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Table 1. Novel miRNA sequences

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GCCCAGAGAAAGCCGGCGCCGGGCGAGGCTCTTGCAGGTTCTCAGACCCGGTGCGCGTGCTCCCACCTAGGGC	16039
CAGCACTCTGTACATAGGAGCTCAGGGTCTCCTGCCATTGCTCTTAGTCAAGCGCTTATCTATGCCTTCCT	16040
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GAGATAATAAAGAGGCCAGCCTAAGGGCAGCCCGTCTACTCTTTCTAGAGGCCCCCCTTGATGGTCACCTCTT	16042
CCCTTGCCCTCTTGCAACCTTCCTCTTCTTACACAACTATAGTATTCTGAGCAATTAGGGAAGGAAGATGCC	16043
TAGCACTTTAATACGGGGTTGCATATTTGTCACATGACACCGACACCTCGGTTATGGTGAATCTGTTAGGC	16044
GAAGCACCTGGGTGCCCAAATGAGGGGATTTGTTCCTGGATCTGACTTGGAGGATTGGCTCAGCCAGGGGCACT	16045

Table 1. Novel miRNA sequences

GGTTCCATATCTAGCAAACACCTCTTTACAGGAGGTTGATTGGTTGAGAGGATCAAAATGGAGCCTTATTT	16046
GCAGAACCAAGGTGATCTTCTGGGGTGAGACAAGCACATCCAAGACCACCAGCTAGAATTTGATTCTTTA	16047
TCACTCACTCAATAAATGATAGCAGCTAACATTCAGATGCCACCTGCTGTGTGCCACTGTGTTGAGGACTT	16048
ACACACAGTAGGCCAGGTCTCGCTGCTGCCGCTCAGTTCTGCAGATAGGAAGGGCTTTGTGAGGAACTGGGA	16049
GGACGGCCGCAGCCCTGCGGGTCTCCGCTCCAGACCCACCCCCGCCCCACCCCGCGCGCCTCTGCCGCCTCTT	16050
AGACACAAATAACACCCAGTCTGTGCCCCTGTGCCTCGAGGAGCTCACAGAGACAGGTGACCGGGGGAGACA	16051
ACACAGTTATTAAGTTCTAAAATGTTTGCTGGCTAGACTCAGAGCCAGCAAAGGCTCATGTTTTGACAATAA	16052
AAGACCTGCTACGCTGGAAAAAAAGGGTTTCACAGACCCCAACGGTAGCAGGTATTGAAATCAACAAAACAAT	16053
GCAGTAAGCCAAGATTGTGCCATTGTACTCCAGCCTGGGAGACAAGAGCTCCTTGTCAAAAAACACTCCGTCT	16054
GGTAGGTAGAGGGAGTGAGAAGGACTTCATGCAATGAAGTTTCCCGGCGTTACACTGCCATTGTAATTGT	16055
CCTTAGAATGTTGCTTGAGGCTACAATGAGTTTATAAATGTTGAGGGCTTTAAATAAAGAGCATTTTACAAA	16056
TCTTCTTTTAATTGCTCAGTGTCCGTTGAATTGGGAGACTTTCAACTGAGGATACTTAACTGTATTCTAAAA	16057
AGTTCCAATATGCTTCTAAAGATTAGTTGGGGCTTTGCTGTAACATCTAGACATGTATATCTGATTTGGAAC	16058
ATCCCAGCTACATCACTAATAAAATTCTTGCATTGGATGCACTATATTATGATGTATATATGTTGAAGGATT	16059
ATCTTGCGGTTTCTATAGCTCAGAAGTCCAGGCACAGTTGGTTTTCTGTTTAGGGTCCTATAAGGCCAAATTC	16060
TGATGATTAATTTTCTGTGTCAACTTGGCTAGGCCACCATACCTAGGCAGTTTGTCAAATACCAGTCTAGAT	16061
CTATAGGTTTGCCTAAGAGAGGTAGGGAATGCCTAGTTTCTCTAAATAACAATATATAGGTTGGTGCTAAAGT	16062
ATCTGGGCAGTGAGTCAGAGCAGGATGGCACGGTCTGGCCTTTCTTCCCTGGGCTCTCCTCTTGCACTCTGCCC	16063
GGCAATCACAGAAAGGAAATCCTTGGTGTGCCCAAGCCACGGGGAAGAGCAGCTGGGATTGCCACAGAAAAG	16064
GACAGAAGCAGCTGGCTTTGAGCTATCCATATGGGTGTGCAAATCTATGTGGCACTACCAGTTAATAGCAAGC	16065
CTTCTCCCAAGATCGAAAAGTTGCATCTAGAACTAGATATATAGATGGAAGTTACCTAATATGGAGGAAAAA	16066
GCAGAATGGGGAACTTTCTTGAGTAGATGTGTATCAAGACAGTTGTTTTGGACCAACACTGTTTCCTATGGATG	16067
AGATGTGGGGTGGGTGAAACAAGATGGAGCTGTAGAGGAAAAGAGAGCAGTGGCACCCAGGAATCCCTTAGGA	16068
ATGGGAAGCTGGGGAGGCCTTAAGGGAAAATCTTAATAGTACAGTGCTATTAGGAAGTTGATACTAGGCCAGC	16069
TGGGAACCTCTTTGCCCACTTTAAACACCAGTATAGCAGTGGGTGAACTGAAGGGGCACTACCATATCTCTAC	16070
ACACAGGATGGGGAGGGACCAAGGAACCACAGGAGGGGACTTGGTAAGGGCCTGCGATTTTTGTCTGATA	16071
CCACAGATGGGTCGCTAATATTTCCTCCTTTGGTGTTTAGACACCTGATGTCACACTTTCTGCTGTGGTTTCC	16072
CTTGTGGGCAAGGTGAAGATTCGGGAGAGTTGAGGGGTCTTGATTTTCTCAAATTTCCTTCTTCTGGAACAT	16073
GATTCTGCATCAGAGGCTATGAAGTAGGCTGGGCACAGTGGTTCACACCTGTAATCCCAGCACTTTGGGAGG	16074
GACTCTCCTTTGACCCTCACTGCAGTGCACTTTCATTACTTATCAATCTGGGGGCGGGAAAAAGGGGTGCAG	16075
AACCTTAATGTTGCTCAGAGCTAACTTCCCTAGGGGACAAACTCATGCTCTCCAAAGCAAGGAAGGACCA	16076

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Table 1. Novel miRNA sequences

TAAATGTGACTCTGAGTAGTTGAATCTGGATACAAACAACTCAGATTGCAGGGTTCTACTTTAGTCAGAATG	16077
TTGCAGAGTTTTCTATTCCTATATCATGACAGGTCAGAGCAGCGCTGTGACAAGCAGCCTCTGTATTAGTAAAG	16078
TCGCTTAAACCTGGGAGGTGGAGGTTGCAGTGAGCCAAGGTCACGCCATTGCATCAATACACCCCAGCCTGGGC	16079
ATTGTTAGGGGGTTTGTGCCTAGGGGGACCAACCTGTGGAATGTACCTCCTGCTGCATGGTGCTGCTGATTG	16080
AATTAGTGTAACATTAACATGGAGGAAATTTTGTAATTGCCAGTTGTTCTGTAGCCATGGTTACATCAAA	16081
AGCCAACTCATCAGAATGTTAACCTTTGATATGCTGGATGGGCATGTTTCAAGATAATTGACATGTTCTGAT	16082
ATCCTCAGAGGGATCCAGGGTTTATGGGGCTGCATAAACAGGTAGTGAACTTTTTCCCAGGAATCAAATCA	16083
TGTGTGGTCCTGGGCCCTGTAAACTCCACTCCGAATTTAGGTGGTGCAGATGTACTTAATCTTTGATTAT	16084
GGTATTTGGAAAAATGTTGCAAAGCTGAAACTCATCTCTAAAGCATTAGTGACATATTCTATTATTCTAAA	16085
GAGTATATGAGAGATTTTAGACTGGGCTACTTCACAGGTACCCTCAGACAATTCTCAACTGTGCTTCCACAG	16086
TCTCCTTCACTGCCGAAGAAGCAAGAGTCTCTGCCACCTGTCTAGGTTTCCAGAGTTTCTTTTTCACTCTGT	16087
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CTGAACTGTGATTTGACAGTGTCCTTATTATCAGACTCTGCTCAATGACAGTTTAAACTTCTTTTTGATACA	16089
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TGAATGTGTTTGCTAGGCTCTGCTAATAAGAAGGAGACACAAAAATCTGTGGGGCATTTTGGGCTTGGGGGACA	16091
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TTGGCTAGAATGTGGGGAAACCAGCGCCTGCATATATATTGCTGCTGGGTATGTCAAATCACGCAGCCAGCCACAT	16093
CAATGTGTAGCCCACCATTATGCAGAAACCAGTATGTATGGTGGCAGCTACACAGGTGTGTTTCTTTATAA	16094
AAATAAACCCCACACTTGGCGCTTGAGTATTTCAAGCCATTGAAACAATTTGGAAAACTCTACTTGCCTAGT	16095
GTTAGGTGTCCAACAGCCAGGGAATTGTTAACCTAATAACTCATTCAGTGCAATGTTTGGGAGGCATTAAAA	16096
TCTGTATTCTGGTCTATTGTGAGTTAATGAATTAACTCTTCTGAGGGAGAGAAAGGCATATTAGGCCTTATAAT	16097
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TGACCCTGCTCTCAAACTAAATAAATATTATTCTGATTCAGGAAAGAGAGGAGTTCAAGGTTGAGGGCTT	16100
TGAATCAGGTGTTCAAGTAAAACCTTCTGAGTAATCCATACATCAGCTGACATGAACACTGCTCATATATTAAG	16101
TAAATAAAACCACATCATTGCACTCACTCTGTCAGAAGAGTCTAGAGTGGGAGGGTACAAAATTCAGTCAA	16102
AAAAGGGATTCAATTTACCTGATCTCTCTGAGATGTCTGTTTTTATGTATCAGCTCATCAGGAACTCACCCCT	16103
GGACTCAGCCCAGCGCCGAGCTCGCCGCCGAGAACGACACCGGACACCGACGCGGCTACGGCGGCGAAGCCG	16104
GCGCATTACAGAGACAAACCCATGTATGCCTCACAATGACCCTATGAGATGGGTGCTCTTATTACCCCCG	16105
GTCTCTTGACTGTTGGCTCTTAGTGCCTGAGTCATATGTGGATAGAATTGACAAAGCAGCCAGTGGTGACAGC	16106
AGTCCCTTTTGTCTCCTTTCTTTGACTCCTGTAACAAGTGGGTCAACACCTGTGACAAGCACTCAGGAAACT	16107

Table 1. Novel miRNA sequences

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GCAGGGCAAAGGTGAAAACCACAACACCAGTTAGGAGCATATTGCTGCGGTCTAGCTGAGAGGTGGAGGGGGA	16110
GTTGTAGGAATGGTGGTAGCAGTAGTTCAGTGCCTAACATTTATTGTGCTCTGACTGTGGGCCAAGCACTGTGC	16111
GCATATCCCTAGGCCCCTCAATGATATAACGGGTCTGGGGAAGGGATCTGGGGATCAGCATTCGTAAGCC	16112
ACTCTAACAGGTGCTCTCGAATGCAGGTTTCTGATAACTTTGGAGAATGTGCCATTAGGGTAAAGGAAAAA	16113
TTTTTTTGTAGAGACTGAGCCTTGCTATATTGCCCAGGCTGGTCTCGAACCTCTGACCACAAGCAATCCT	16114
CACCTGTAATCTCAGCACTTCGGGAGGCCATGGCAGGAGGATTGCTTGTGGTCAGAGGTTCGAGACCAGCCTGG	16115
CTGTGGCTTTTTTCACTGGGGTTTTAAGCTCCTCTGGGAAAACGAGGGGCAATGTTGGGCAGGAAGAACTC	16116
CTGCATAAGGGAGGCAGTGCCTCACAGTGTGGCCGCAAGGCAATACTGTTCATTGTGTCAATTATGCATGTA	16117
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GCAGGAGAATCACTTGAACCCAGGAGGCAGAGGTTGCAGTGAGCCGAGCACGCACCACTGCACTCCAGCCT	16119
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ATGCATCATGGCACTCATTGCCATATTAATATACTTTAGGTATATTAATATTTGTGACAGATGTGATAACT	16122
ATAGGCTGTACCATATAGTCTAGGTCTGTGATAGGCTATACCACCTAGGTTTGTGTGAGTACATTCTATGAA	16123
CCTTGGGCCCAAGGCGGCAGGGAGGCTTCAAAGGGGATGTCGAGGCACCTGTGGTGTGGCAGGAAAACAG	16124
TTTACTGTCAGTTTGTACCATTGTTACCCTGGGTTGCTCTGAGCACACACAATCTTACCACAAGGCTGACTGTG	16125
TATTTTTATTAATAACTGAAGTCCAGGCAAAGTAAACCAATAGCCTGAGATGAAGGTGACCACAGAATGAGA	16126
TAGGCTGGTTATGAAATTGCTAGACGCTTCAATGGAAGGAGTGTGACTCATCAATGTGCCATCTACTAAGAG	16127
TATGGCTATTTAACTGGACCTGGGCTCCATGTAGCCAGAGGCAGGATGCTGTAGCCCCTGGGATAGAGAAGCTA	16128
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ATTCCCAGAAGGAGGTCAAAGGGCAACAAATGCTCTGTCAGTTTGCCAAATCCCCTCTGTAAGAGTTGTACC	16130
TGGCAGAGAGAAGGAAGGGAGAAGGAGCCTGGTCTGATGAGTTCTGTTAGCACCATCTCTAATGCATCATCTTTG	16131
CAGCAATGTTGTGTTGTTCTTTTTTTTTAACACTAGTGAAGTGTTTCAGCAATATTTTTGCAGCTCAAATATGTTG	16132
GACGAGCATTATGCTGAGGATGAAGATGTTAGGGGACAGGTACTGCCATTTATTATCATTGGCAAGCTGC	16133
GACTGAATATTTTGCATACCTTGTAATGTGTCACTAATTGTTGTGGACACTTTCTTTCTTGGCTCAGTCACCT	16134
AGAAGACTTGGGGATAGGGTGGGTGCACCTGCAAGGTAAACCAAAAGTGTGCATATTATTTCATTGATACATG	16135
GTGTCACTACATTCAAATTTCTCATGGTGCCATAATTCTTATGCTGGTTCCTTTTAATCTGAAATTTCTGGCAC	16136
TTCCCAATTTGCTACTGTGCAGATCTATGCAACACTGAAATGCTGAACACTGCATCAGTGAGCTTCTTGAAAA	16137
CCAGTAGCCCTCTCCCACTTGTGACAGTCAAAAATATCTGCACATACTACCAAATGTCTGTGGAGGGGAGGT	16138

Table 1. Novel miRNA sequences

CCATGTCCCTGAGAGTTTGACTTGTGACCAAATGGAAGCACTCTCTCTTGGTCTCTGCCATCCAGGGCACATG	16139
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AAATCTCCCTAATGTGGCAGTTTGTCTAGAGACTGGGCCCTAATCGAGTCAACCTAGAGTGAGGTAGGTA	16142
TGGAGTTAGTCAGGCTTAAATACAAACATCTCCACCCATGGACTTCGCAATTATATGAGCCGATAAATTTCC	16143
GAGACAGTTGTTGGCATATGGTTTCATTTAGAAACACATTATGCATTTTATGCATATTGTGAACTCATAGAA	16144
GTAAATTAACAATGTATAGCATTGCTTGTAAAATGAATAATAATTTTATAACAGCAGAAGCTGTTTTTCATAT	16145
GAATGGTGTGAACCCGGGAGGCGAAGCTTGCAGTAAGCCAAGATTGTGCCACTACACTCCAGCACCCCAGC	16146
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GGCGTGGAAGGGGGACCTGAGCAGGTTGCTGCTACTCGCTCAGGTGGCCTGCTTTTATTCCCTTATCTGGCC	16149
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ATAACCCCCAGGGCTCTTCCCTAGGTATGGAAATGGCAATGAAGGTGAAGGCATTTAGCAGAAGAGGGCAGGGC	16156
TGGCCTCTCTGGGTCAGGGCCAGGAGCACAAGCAGACTAGCAATCAGACGGCGGAGGGAGAGACACATAGCA	16157
AGTGTGCAGAGCCCTGGGTTCAGGTGGAGCAGTTATGGAACCTAATCTTAGGCAAGAGCAGGGCACGTCATC	16158
CCATAGTATACATCTGCTATTCTCATAGTCCTAGCTTTATAGGAACAACTGCCCAGTGGATTGCCTGGTCA	16159
AGATTGTCAGTTAGCTGGGCGTGGTGGCGGGTGCCTGTAATCCCAGCTACTCAGGAGGCTGAGGCAGGAGAA	16160
AGAAAACATCTCATAGTGTTTGAAGAGAAGCTGGTCCAAGTAGGATCATCTGACCTGGCAGGCCACTCTGGAA	16161
GCCTGGACAGGCAGAGGAATGGGAATTGAGGAGGAGGGGTGTGTTCTTGCCAATCCTGGGGGCAGGTAGAGG	16162
CTTGGAAGAACAGACAGCAACCACGTTGGACTCAGGCAGTCCTGGGTTTGAATCCTGTCTCTGTCACCACCTAG	16163
CAGGGGCTCCTCCACAGCCATGATGCAACACTGAAAGCTGAGCTCTGATGAGGGCCACCTTCTTTTTTTAA	16164
ATGGGCATTACCAGGCACTGTACTTGCTGCCCGGGCAGAGGTATAGATAAGATGACTGCAGTGCCATTTCATT	16165
CACACCATGCGGCAGCGACCCAGCATCTCGTAGTGCGCTGGCCCGCGGGAGCTGTGCACCAGCAGCGGGA	16166
AGCAGGGGCACCAACAAACAGACAAAGCCTCCTCACGACCTAGAGAGGAGATAACTTCCTGTTTCCCTGAT	16167
GACCCTCCCTCGAGGGAGAGAAACCACAGCCCCCAGAATTCAGCGGGGCCTCTCCGAGAGCACGGCGCGTCTGAG	16168
GTAAGATCTTATATGGAAAGTTTTTCTCCTCTCCAAGCAGCCTTAGGGAGATAGGCTTGTTCTGACCCATAT	16169

Table 1. Novel miRNA sequences

CTTTTGCCTGGATCGAGATTGTTAAGTCCCTCTCAGTGAAGGGTAAGATTATGAGATCTGAGGGCTGTATA	16170
CTGAGTGACAGAGCAAGACCCTGTCTCAGAAAAAAAGAAAAGAAAAAGTACTGTCGATTCAGAATTCTAA	16171
AGGGACCATGGCAATGGGATTTTGTAATGGGTAGAGGGACTGGGCTAAAATCCAAACAGAGCAGAGCCAAGG	16172
CAAGAATGTTCAGCTCTAAAATTCTGGAACTCTCTTGGAAAGGAGACAAAATCAGAATTTTGTGGAGAAAATA	16173
TGGGAGACAGTAGGGTGGTGAAGCTCATGCACTGTGGAATCATTTCATCTGAGCTCACAGTCTAGTGTCTCC	16174
TCCCCGGGCCCGCCTCCACTACGCCCCCGCCGAGCCGCCGGGAGGGGCCGCGGGCTGAGGACCGGGACCCGC	16175
GGAAAATGGCACTGCTCAGGGCTAACCTCATATAATGGTGATCTAATGGGTGGTATGGACATGATTCTTCTT	16176
TCCATTTTACTTTTGTTGCTTGTGCTTTGGTGTCATATCTGACAGACCATTGCCAAATCCAAGTTCATGAAGT	16177
CCTGGCTGTCCGTCATGATGCAGTCACTGACACCATTGACATTGCCCCGAATCAGAGGGTGGGGACCAAACG	16178
CCCACCCCCGAGCCTGATGATGGGAACCTGCCCTTGCTAGGCGCACTGGCTGCTTCTGCAGGGCTCTGTGGGG	16179
GTGGTGGAGAAGATGGGGCTCAGGGACTCAGGACCAGAGGCTCCAACAATCTTGTCTAGCCCCTTGAGCTGGT	16180
TTAGGCATTGTTTAAAGGAGCTGGGAGAAGGCCTGGTGTAAATAGGTGCTAACTGAATTTCCCTTGCTCCA	16181
GGACTCCTGCAGTGGGGAAGGCAGCAGAGGGGAGATTCCTTACTGCAGCGTTGCTTGAAATCAGTCTTACCTC	16182
CTGAGTGTATGGTGGGTGTCCTGAATTCGTTCATGTGAATACAGGACTCAGGCTTCCCACCCCACTCCAAT	16183
AGTAGAAGGGATTTGGGGCTGGGGGTGGGGTAGAACTCATTCCAACCAGTCCAGTCCTGTTGGGAACATG	16184
TAGAGGGGGGAGCTCGAGAAGTTTCCGCTGGCAGACATGCTGTCTTAGCGGATCTTTTCACATGGGCAAG	16185
AAAGCCAAAGTGCTCACAGTGGTCTGCAGTATCCTGAATGGTCTGCCCCCCACTGCTTCTTCCACTGCATTT	16186
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GAACTTGTTGGGAACCCGGAGTAAAGGGCACTCTTGCTTTGCAAACAGACTGGCGGCATTTTGCTGTGGAA	16188
GATTGGGGGCATGTTTTGTCCACTTCTTTCCCACTTAATAATGTGGTCTATAGCAAATACCATGTCTCCT	16189
CCCTCTTAAACTTTAAGAGTGCCATTCTGGGCCAGGCGCAGTGGCTCACACCTGTAATCCCAGCACTTTGGG	16190
GACCGAGATGCTGAGATAGTGGTGAAGGACAATGGCAGAAGCTGTAAGTGGCCGTGATCAAGATTGCTCC	16191
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CCTCTTTTTTTTTTCCTTCTTTCTTCATCCTCTTTAGATGTATGGTGGCATGAGAGGCATGAAGGGATTGG	16193
CAGCATTTCCCACTGCGCCATTTGGGCTCTGCGTCAGAAGGATGAGGGTTCCCAATTGGATATTTTGCTG	16194
TGGCTGACCCTTTATACAAGTTGGCTAACACATTAAAACTACAAACAGGGCCGAGTGCGGTGGCTCACGCCT	16195
CAGGGGATGAGAGATTTCCAATAGGAGTATCAGGGCCAGCAGAACCCTTCTTGGTTGGAGGTCTTTTAGT	16196
TCCTGTTCCAGTTTTCCCAGAGGTTAGCAGGCCTTTCAGAAAATTACAAAAATGAGTTCTTCTTTGGGGAATAG	16197
GGCCCCCAGCCCTCCCGCCGGCCCAGCCCGCCGGGCCGCAAGCCCGGACCACCCGCGAGAAGCGCAAACTTT	16198
CTGCTCCTTGCACGCAGGAGGCACTCAATCAATCCTTGATAAAAGCATAAATGAGGCCGGGCGCAGTGGC	16199
CCACACCCTTCTTCATGGCTTCCCTATTCATGGTTTGGCTTATCAGATCAATGAGCTCAGCCAGGTGCCTCCC	16200

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Table 1. Novel miRNA sequences

AACACTGACTGTGGGGGTGGGAAGGTCGGGGGGCTGCGCTGCTCCGGATTCATCCGCCCCAGGCGCTTCCTG	16201
GGTGTGGCTAGGCTTGTGGTGGTGGGGGCTACAATATAATGGAGATGACAGTAATCTGAGTATCCAAGCCCA	16202
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AAGGTAGGCAGAAGCTGTCCTGTAGTACAGTGCAGATATAGAGACAGAGTTGATCTTTATCTTAAGAATAATG	16204
CTTTAGTCAGAGGTTAGTGAAAAGTAAGATAATTTCTTTTTATTACTGACCTATGAATTCTATCCACGGA	16205
TAAACTTCCATATGCTAGGTGGTATGATTCAAGACTATATTCCTGAGGAGTCTGAGCATTTGGTTGTTTT	16206
AAAGTATTAGAATGAGTTCAGGGGTCAGTAGCACTGTATCAGGATTTTATTCCTAACTTTGTCATTTCTCTG	16207
TGAGCATGATATTCTTAAGTATAATATTAGATTTTGTAATATTTAAGAGTTTATACATGTTTTCATTACA	16208
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CAGGAAGGAGGAGAGGCTCTGAGCTCAGCCGATGTCCCCCCTCCAGACGCCCGCGTTCCTCCGTCCAGGTGC	16211
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TGCCACTGTGGTATCAGCTGCTGAGTATCACTGCAATCTCCATCAACAATGACCTCAGCTGACAGAGCTGCAG	16216
TGATGACGATGATGAGCTATGGTTTACAGAGCACTCTCTTTTTGCCAGGCAATGTTGAAAGTCACTTCACGTG	16217
TACATGAGATACTTTGTTACAGGCATGCAATGTGAAAGAATCACTTTATGGAGATGGAGTATCTATTCCCTCA	16218
TACTGACTATGCCACCCAGAGGCAACACATGATGGACTAAAATACATCAGAGGCTATGTGGATGACATGGACA	16219
TGTGTTGACAGTAATCCAAAAATTTAGCACAGTATCTGGTGACAGTAACAGAGGCCGAGTTGTCAAGAAACG	16220
GGAGGCGTGGAATTAATCAGCTGCTCCATAAGGGGAAACCACTGACCTCTAGCCACTGCCTCAAAACCAA	16221
AAGGCATGACTAAGTATGTACCTCTTCCCAGAGGAGCTGCATAGAGGTTCAGGATCATCAACACATTAATTC	16222
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AGGCAATTTATGGCAGTCCTCATTTCCCAGGAATTTCTGATTTGAGTCAGATTTTTTAAGAAAGAGAAGCTCT	16224
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TTTCATGGTTGTGTGGGTGGTTCTACTTTATCTTAGACTGGTGAAGTGAGAGTTGTCTTTATTTTTGAAGAG	16226
TAAGCTACTCACTGTTTCTGTCATGCACCAGGGTCAGGCTGCAATGTCTTTCCCTTATATGACTATTATCTCAG	16227
TGAGCGGGGCGTGGGACGTGCTGCGGCGTCCTAGCTGGCTTACAGGGCGGCGGCGGGGTGTGTGTCCTCTGTT	16228
AGCTCTTCACATCAAGTATGCCGTCTTCTTCTGGGGAGAAACTTTCCTGGTTAGCTTTACCTAAAGAGTT	16229
AATGCAGTTGTTAATCTGGGTTGGTTTTCCTCATACTGGGATATACAGACCCCAAGGAATACTCTGCAGT	16230
AAAACTGTTTGCCTTCCATTCCTAGATGCCAGTTTGCTGGAATCCCCCTGGGAATAAAAGATAATATTAG	16231

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Table 1. Novel miRNA sequences

GAAATGCTGCATTCTACGTTCCCCTCTGGGGGATTCAGAGTGCTTATTAGCAAATTATAGGATCTTGAAG	16232
CAAGATGGCTGACTAGAAGCCTCGAGTCCTACTGCATGCATCAGAGGAGTAACAGAACCCTGGTGAGCACAA	16233
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GTGCCCTGGTTCCCCTCGGAAGATCTCTGAGTTAGACAAATGCTCTCACAGAGTTCTCATGTATGGTTCTG	16237
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GTCGACTTCATATCATGATTTAAGTATTGCTAACTTTATGTAATACCATTTGGATCGGGGATTGGTGCAC	16240
TGTGTGAGAGGTGATTTTCAGGTTCTCTATTATGCTCCACTGATATGTCAGTCTACTCTATACCAACCATTT	16241
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AAATCTAGCTGTGACTCTCAGCACACTTTCTTGTCTTTGAGCTTTGATTGCAGGTGTGCTTGGCCTTCTAAGC	16250
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ATTTTTATAGTTCTGAGCTGACTAGCGGCTCATCTTTAGGTGCTTTGCTATATTCTGAGTTTAGTTCAGTAC	16253
ATCCTATACAGGACTCTTTCCATCTCCTATCATATAAAATTTGCACAGAGCTCCTCAGGGTAGGATTGTGTT	16254
GCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCACGCCCGGCCGTGTTTTTCTAATTATATTCCAGCTCT	16255
CGAATTTACAACTCCATTTAGTATGTTTTTATTGTGTAAATGTGGGAGTGTAGGTTTTGAAAGCCCCTATG	16256
ATTAAATAGATAATGAATATCATTCCTATTTGGAAACCAAATGCTCGAATCGAGTAGGGTACTAAGTTGGAA	16257
CTAATTCAGTCTAACAGTTTATGGTATTTTTGGTCTAACCCTAGTTTTACTCAGATAGTCTAGAACTCCATGAA	16258
TTTGGCCCCCACTCTCTTGTGGCCTGTAGGGTTTCTGCAGAGAAATCTGTCATTAGTCTGATAGGCTTCCCTT	16259
TAATAAGAATACAAAGCCCCTGTTCAGGCGTAATGGGTTGGGTTGTTCATGCGGCCTGAGATAGGTTAATAA	16260
AAAAATAATAGCACATCATGGTTTTGTAAACACTGGATTGAGAACTCTTTCCAGGGCATTGAGCATTTATTG	16261
AAGGTTTATCATAGTTCTACATCACAGACACTCAAAACTGTTTGTTAAATGACTGGATAAATAAAATATATG	16262

Table 1. Novel miRNA sequences

TATATAGTATTCTGCTGTAACAGCACAGAACAGACTCAGAAAAGTATATGCCTAACAGTGGAATTGCTAGGTA	16263
GCAGTTTGACCTACAGGCCAGTGTATGGCGTTTGCTGGTGAGAGCCAGCTGTCACACAAGCAGGTGGGTTT	16264
GATGGCAGCACCAGCTGAATAGCACCCTTTCTTCAGAGAGGTGTGGCATGTCAGATCCTATCTTGCCAAGG	16265
CATTTTAGAAACAAGAAAGAAGAGTCTGAGGGGCCTAAGTAACATCTCAGTCTCAAAGCCCTTGTGTGCCTGA	16266
ATTTGGTGTGAGCTGCCGCTGAGACTTAGTCACAAGATGGATGTGGGTTTCTGCAGCCAGGGCTAGGGTG	16267
ACTGCCTTCCTGTCAGCCTCAGAAGAGAAAACAGCTACACTCATCGTGAGCTGAGTACAATTGTGGTTAAA	16268
CTGGAGGAGCAGGGATGCAGGGTGCCATGCCTCAAGGTTGCACAGAGCAGTGGTGACCCACAAAACCATTTT	16269
CTTGATTTTTAGTCCTCATTCAGCTTATGTGAAATTGAGACTCATTTTACAGGCTGATTATGAAACATTATA	16270
AATATGCTAGCCACTAGCTACATCTGGCTACTGAATACTCAAAATGCAGCTAGTATGAATTGTGATGTGCTC	16271
TTCAGAAGAAAGACCACTGGACTTGGAGTCATGGAATGCAAATTCAAGTTCTTTGTCCAATCCTGATAATAAC	16272
CTACTCCTTTCTGCAGTGATGAATGGTTTTCAGAAATATGTTGCTCAGCAGATGTTGAAAGAATGAGTACA	16273
TTTTGAATTGATTTTTGTATGTGGTTTGAGATCAGGGTCTATTTTCGGTCCTCTGCACGTGGCTATTCAATTT	16274
AAAACCAACAAACTACAAAGTAACCATAATCATGGTCTAATGGAACAATGGTGATCTTTGGATCTGTTTAA	16275
TGATGTGTAATATGAAGTGGCTCCCAGGAAAGATGGAGTAGAATTTACCACCATCTGAGCGATTGCTGGA	16276
ATTTGTATGCAATGTTCAAAGCCCACAGAACTGAACACTCCAGATCTGTGTGTTTTATCTTATGTGAATTAT	16277
GGGATGATATTCAATAGGCAAGATGCTGGCAAGAGAGTATGCATCAGTGATCAGGTTTCAGTATCGTTTT	16278
CAAAGTGCTGAGATTACAGGCGTGAGCCACCATGCCTGGCCAATACATGTTTAGTATGTTTTTATTTTTGC	16279
ACCCATCAGCTTCAAGTTCTGATAATTGCTCATCACAGATTGGCACTAATTTAGTAGTAATGGTGCTGACAG	16280
TGGAGAGTTCCCATTCTCAGATTACCTGTAAGGTGATCACATCATTGAATGCAAGGTGAAAACAGGAGGTTG	16281
TTCTGCCACAGGGCATGTTCCATAGCACGACAGTTTGTTTCTTCAGGGCCAATGAACAGCATCTTTGTTGCA	16282
TCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCTTGCGGCACACTGTATATATTTTAAAT	16283
GCTCACATTGAAAAAAATGGCCCAGGCGCAGCGGCACATGCTTGTAATATCAGCACGTTGGGAAGCTGAGGCGG	16284
CGCGCACCGGCCTGGCGGGTCCCGGGCACCTGGGGGGCGGCGGGAGCCCCGGGACCATAGCCGGCCTGGC	16285
TTTAAAGTATAATATTCAATGCTGGTATGGGTGAGGTGAAATAGGCACCATACCTTAGTGATAGTTGTAC	16286
CTGGGTCAGAACATGCCCAGGAAAATCAGCTCCCAGCAGGAAATAAATTAAATAAGGGTGTCATTGGACCCA	16287
TGACTTAGTAGTTTTCCCAGGAACCCTAAGTCTTCCTTCAGTATCCTGCTAGGACTGAGCTTGTCTTAAAA	16288
AATGAAATTCCATTGTCAGAGTTCGCCAAAGAGTCTATTGGTTTTTGGAGACTTTCAGGTCCTGTGAAGGCT	16289
AGATAAATTCACTCTAGTGCTTTATGGCTTTTTATTCCTATGTGATAGTAATAAAGTCTCATGTAGGGATGGAAGCCATGAAATACATTGTGAAAAA TCA	16290
AGCAGTAACAACACGTGTGTGAGCACTGGCATAGCTTTACGAGAGCTTCAGTGGAAAGGATGTCTCTTCTA	16291

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Table 1. Novel miRNA sequences

ATTTGTTACTATCAGGACTCGACTCGTGTGCGGACATTTCTGTTAATAATGACAGTCTCTGATAGATGAGTGTA	16292
TTCTAAAGTGCAGTAGTAGCTGGCTAGGCTAAGTAAAATCTGTGGATGCATTTTTAAAACTTTAGTTTAGCTA	16293
GTCTTTTAGAATGTAAGTCAGTTTGTCGGGCGCAGTGGCTCACGCCTGTAGTCCCAGCACTTTGGGAGGCTG	16294
GGAAGCAGCATAATGGAATGGTTGGGAACATGGTCAGACTATCCGAGTTTGAATCTTGGCTCCATTCTTTGC	16295
TTTAAGAGCTGTGCCCAAGAGTTCCAGCCTGCCCTTGCAGATAGCCTGACCTATGAATTCAGACTTGCCTAGC	16296
GGTGCTTAGGAAAACAAGCTATTTTGGTCCTTGGCAAATGTGGGCATTGGTATCTGTGTTCCTTGCTATCAT	16297
CAAAGGTATATTCTTAAATTTGGGTATTATTGAAAATATTTTCCATGCCTTGGTGCTAGCATATAAGTTTG	16298
ACCCTACCTATATCCCTCCCTGGCAAGACCTTTACTGGTATATTTGCCTAGGGGTCTCTTGGGCCACCAC	16299
AGCCAGCGGCTATCTTTAAAGATAATAAGATCATTTCCTTATTTCAAGACCCTGTTGAGCTTATCCAGGC	16300
TTCTTATATTTTCCTTTGAAATTCTTGGACCCATCCAAGGAATTCCTTAAAGTGAATTATTGCACAGTAG	16301
GACAACTTGGTAAAACCTGAGACATGAACATTGAGTCCTGGACTCGGATTGTCTGGCTCTCAGGACAGGATA	16302
CGTCTCTAATAATGAAAAAATACATACTGTATCGGGGCATCGCGGGGCACGGCGAGGGCAGTGCAGGGTCG	16303
TCATTTCCCCGGCATAGAACATAGGAGGTCAGGATCGCACAACATTCCCTTGTTGTTCTCAGGATGCCTC	16304
GGGAAAGTTTGGAAACTCTTAGAGACTTGGAGGGCTAAGAAGGCAGGAAGAAGTGGGAAAGTTTGGAACTTCCT	16305
GGCTTCTGTGCTGGGTAGTCCTGATTAATGACAGTCGTGGAATCGTGGGAGTCAATGCACTTCTGTCCCACCC	16306
TCCTGGCCTTCACCTGTAATGGTGTCCAATGTTGGAACAAGAACTTAGCACCAAGACTCCAGCCAGTATC	16307
TCAGATCGCAGCTTTGCCCAGTTTTCCCAGGTAAGGAATGGATTTTTTAGCCTTCTAGTTATAGGTCTGTGA	16308
CTACCCTTACCCTGAGATAATTGGCAATGTCAAGGGAACTTTGTGGTTGTCATGACTGGTATGGGGTGGGAAG	16309
AATGGCAATTGTAACAGAACTGACTTCTGGATAGCAATGATGAAAGTCAGAAGACAGTGGAAGTTTGTTAATGT	16310
GGTCCACCAGAGTAGGGGCTTATGGAGGTCAGGTGCTCAATGAAGTTTTAACTCACAGTGGGCCCAGTGGGTC	16311
CCCTCTGGTTACACACCACATTGCACGCAGGTGTGTGGAACAAAAAGGGGTAGTTGCTGAAAATATACCA	16312
GCCCAGGATGGCTCTCCACTACATTCTTATCCCTTGCAGGGAAAGGGGGAACAGTGACAAAGGGTGTCTT	16313
TTCTTATCAATTCACTCTTCTCGTCAGGGGAGGGCTATTTTTAGCCACTCCACTGGGTCGTGTTTCGAGCGC	16314
AGACACAAAAGATATCATGTACAGTTCCTGCCTTGAGGGCATTTACAACCCATCAAGGAGAACTGCCACA	16315
AGAATTACAGGTGGGAGAGGGGAGAGCTGATTGGCCATGCCATCAGTGACCTGTCCTCCTATACTCTTTTGCT	16316
GTTATAGTCAGGACTCTGACCTACCTGCCAGTGAAAGAGCTCGACAGAGGTCACCAAGGCTGCTACTTCAA	16317
TGGCAGAGAAACATTCTGTGTTAAGTCATTTGAGCCAAATAATGATTTTTGCATACTCGTTCTTGTTTTTC	16318
GCTCCTGAGATGAAGCACTGACCAGGCTGCCTGGGGAGGGCACTGTCAAGTGAGGTGTCAGTGAGTGGCC	16319
GTTAGCCTTATAGTAACTTCCTATCCTTTTTATGCCCCCAACAGTATAAATAACATAGGACTTCTGTGTT	16320
CAAGTTTGCTTTTCCACTGAGTAATCCAGGAGGCTGAACTCTGTTTCCTTCCCTCTCAAGGCAAAGGATAAC	16321
AGCTCGAGATTCCGAATGGGCTACTTGTTATAAACAGTAGCAAGACACGTCCTCCTCTGTCTGTGCCTCTGC	16322

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Table 1. Novel miRNA sequences

ATGAATTATTGAGAGACAGCACCCTGACATATGGGAGTCTTGTCTTAAGGATGCAGTCTATGTTTTGAATCA	16323
AGACAGAGCTGGGTTCCAATAAATCCTGACCCCACTACTTACTGAGGGTCCCTGGGCAAGTCACTCTGTCTT	16324
TCATTGTGAGTCAGGTGACATATGGGGTTTGCATTCATCCACAGGTGAGGCATCTGAAGGGTCAGAAGAGGTG	16325
CACCTTAAGGCATCCTGTACCAGCTGACCTATGGGCAATGACCGAAGCCAACAATCAGCCGCTACCAATTGTGT	16326
AGAGAGAAAAGGTGTGCTCTCACCCACGGTGTGCTGCATCCCAGCAGCCACACCAGCTCTGGGGCGCAGA	16327
AGATCTCCAAGCATTTCACTTGGTCTCCATTCCTGTGAGATGGGATGAGTCCATGTTAGATATGACTGGAG	16328
GTTAGTGTTCTGGGACATTTATGGGAACAATGGGACAGAGGGTTGGGATCAGAATTATCCTAAGAATACTAAA	16329
TTCTCAAAAGCCACCTGCTGCAACCTACAGCTGAATGCGGGGAAGCACAGGGATCATCGAGTCCAGTGTG	16330
TTAAAATGCATCAGAGGCTGTGTGCTGTTCCCAATATTAGCAACCTCAGCACCATCCCCTAAGCCTTCCTGC	16331
CTCAAGCGATCTTTTCACCTCAGTCTCGAGTAGCTGGGACTACAGGTGCGCACATCAATCCTGGGCTTTTTTTT	16332
GCAGGCCTGGTGAGGTGGCCGAGCTTCCTGGTGGGGAGGCCTTCCCCCTCTCCTCCCTGGTCAATCTATTT	16333
GGTAGGCATAAATTTTACAAAAAAGAGTTTCGAAACCGTTTGAGGAGGCGAGATTCTGAGAAGGTGGTGGAG	16334
AAGTTTCTTGTTTCTGATATGCTCTCCTTGGCAAATGTTTGAAAGTCTAGTATCAGAGCAGCTGTGATCCTGC	16335
ATCACAGGGGAGTGTTTTTTGTTTTGTTGGGGTTTTTTTTGAGGCAGGTCTTGCTGTGTCACCCAGGCTCATGT	16336
TTGCCCAAGTCGGCAGCTTCTAAGTCCCAGGAAAGGGATTTGAACTCAGTGTTGTCTAGCCGACATGAGAGGC	16337
TGGTGGAAAGAAGGGGCAAGAGCCAACGGAAAAGATGAGGATCATCTATGTATAGGACTCATCAGTGGCTTCTT	16338
CTCTAACAACCCTAGGAGCTTTTATTACTTCCACTTCACAGATGAGACGATGGAGGTACAGAGAGATCACC	16339
TCCCTTCTCTCTCTCTCCCGCTCATCTCTGCTGGATGAAGAAGCCTGAATTGCTCTGTCCACAACATGAGC	16340
CTCCACGGCGGGTGTTGGTATTATGCCCATCTTACAGGTGAAGAAACCAAGGCTCAGAGAGGGGAAGTGA	16341
GCTATGTATGATTAAAAGGTTTGAACTCTGCTCAATCCTCTGAAAGATTCAAGGACCCAGAACATACTGAGT	16342
TTGTCTTTGTGCAGCCGACTTCCCAGTGGGGGAGACAGATGCTGCTCCTTTGCAAAGGTGCTCAGTGGGACC	16343
GTCAACACCAGAGTCTCTTGGGGCAGCACCTGGCTGGGTCACAAGTGACTACCAATGACAACACGTAAACA	16344
TGGTAATCTGAAATTTCATGATGGTGTGGGCATTTTGCATTAACTATGTCAGACACCTTTTAATCCAGATACCA	16345
CAGTCAAAATACGGAATACTATAGTATTCTGGTCTGGGAATAATGGTAGCTCAGACCAGATTGAGAAGAGTA	16346
CCATACGCGACGATGAGCTGAGAGGGGCAGAAAATTGAGCTTGTTCTGAGACTGGAGGCTTTTGGTTTATCTC	16347
GGGTGGGGCACCTCAGGCGTCATTCCTGGGCGTGATGGCTCAGAAGTCCAGGGACAGAATTGCTCCATGGGGC	16348
CAGAGAAGATACCACAAAGGCGTTTTTGTGTCCCCTCTCCTTCAGGGGACATGTGGCCATGCCTGGAGAC	16349
TCAATCCCTCTGAGCCTCTGTCTTCTTTTGGGGTCTCCTGAGAAACTGACTCCAAGGCCAGTGGTTTACGGG	16350
GGGTTGCATTGGTGGTTGTCAAACTGTGCTTCATGGTACCCCGAGGGTTTCATAGAGCCAGTTCAGGGGCCA	16351
GGTGAGTTGGCATTGGGCTTAAAAGACATGGTCTGTGCCCCCGCCTGTCCCTCATCCAACATATTCACACCT	16352
CCTGGTCTCACCGGTCTGGGCGTTGGCTCCCGCACTCAGTCTGCAGGGGCACTCCCATTGGTGCCTGGCCTT	16353

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Table 1. Novel miRNA sequences

CTGCTTTCCTTTAATGCTCCAACAACCTGACAAGAGGGTCGGGTGAGGAGACAGGCCCCAAGCGGCAGCCGG	16354
GTGTGTTTTCTGGTTGGTGCCTAAATAGACACAGGTGTCATCTCTCCTTCACCGCCAGAGTCATTCTGTAAA	16355
AAGGGAAGCTGGCCTCTTCATCCATCAGCGCCGCTGCTGCCCAGGGGTGAGGACCATGGTGGAGCCCCTT	16356
TGAGCCCGGCACTACGCTAGGCGTCTCACATACTTGACTCATCTTTTATCACCCAGCTGTCAGGCAGGGCTTT	16357
ATTGACTCCACTACGCCTCCATCAGAATATTCAGGTGATGGATTCAAGGAGTGTGCGTGGGGTGCGGGACCAAC	16358
GTTGTATATGAATCGTGAAGGTATGCACACTATCCCTTCCCAGTTCCAGGGATGGTTAGTCATTCTAGCTTGA	16359
CCCACTGATGCCATTTGATTAGCTGGCTGGGAAAATGCCTGAAGAAGGTCCTGGCTTGTCACTGAGAGACAG	16360
TTCCTTGGCTCAGAAGTCTGAACACAGCTTAGCTGGGTCTCCTACTCAGGGTCTCACAAGACTGCAGTCAATG	16361
GCCCTCCATGGCGGCGGCCGCGGGGCCCCTGGACGGCAAAGTCGCCGCCCTGGCCGCCAGCCCGGCCTCGGTGG	16362
CGTCCAGTTCCATAATGACAGCGAGGAGGCAGAAACCCTAAATCCTGAAACATTTTGAGTGGAACCCAGCACG	16363
GAGTCCATGGTCTAGACAGGATGGAAACAGAGAAACCTATTCTCCCAGTGTTTGTCAAATAAAACTGGAAAA	16364
AACCTCTGAAGCTCTTTCTCTCCCTTGGTGTCCTCTCAATGGCACAGGGGTATCATTCTGTTTCTCTGAACA	16365
CTGCATGCTGCTAAGTTTGGGCTTGGTCATATGACTTGCTTTGGTCAGTGCAATGTTAGAGGGCATGATGT	16366
CGGTCTCGAATGACCTCAAGTAATCCAGCTACCTCGGCCTCCTAAAGTGCTGAGATTACAGGCCTGAGCC	16367
GTTTCTGTTTCCTTGATAGGACCCGAACTGATATCGAGAGCTGACTCTGTTTCAGGGACTGTGGAAATACAGAG	16368
TGATGAATTCTGGGGTCTAGAGGGGCAAGAGGCAATATAGGCGACTCAGTCACCCTTTTAACATAGCCAGGG	16369
TATCCCAGGGGGCTGCCTCCAGAAGGGCTGTGTGTGGCGTCCCGGCGAGGAGGAGGGGGCAGAGCCGCGGG	16370
AATGTTTCCACCTCTGTGCTACTGTGAGTAATAATGCAGTGAACATGGGTGTGAAAATATTTCTTTGAGATCC	16371
ATTGTATCCCACTGCTGCCACCAATAAAAGAGGTGATTGTCAAATTTTCAAGTGGGATAATGCTATTGTGG	16372
AATCTTACAGCTGAGAGACACCATTAGAGCTCATCGACTCACAGCAGTTGATTCGGTGTTGTGTGTGTTAGC	16373
CTGGAGTGCAGTGGTGGGATCTCGGTGTGAGCCACCATGCCTGGCCTGTTCATTTCTATTATTTTTATCTTTG	16374
CTCCAACTCTCCTGTGCGGTAGGAACAGGGCATTCACTTTGGAGCAATCCTTCTCCTTTCAAGTGGTGAGGTT	16375
TATCTTGGCTCATGGTTCTGCAGACTGTAGGGGGAGCATGGCACCTGCATATGCTCGGCCTCTGGTGAAGC	16376
AGTCTATAGCACCAGCTGAGTAGCCTTAGATGGTACTTTAGTTTTTGTTGTTGTTGACTTGAAAAAA	16377
CGCCCGGCTCAAGGCGCTAGGCGACGAGCTGCACCAGCGCACCATGTGGCGGCGCCGCGCGGAGCCGGAGGG	16378
GGGGACTCTGCTAATACTCGGGCCCAGCTCCGCAAGCTGCGGGTCCATCACAAAGGACAGCCGCACTAGG	16379
CATAGCGGCTGCAGCTACCAGCGTAGGTACCAAGCACCTGGCGCAGAGCAGATGCTCATGAACTTTTTAAGA	16380
CGGAGCCGCGGGTTCCGCGTGGGGCCGGAGCGGGGCCTCATATAACGGCGGAGGGCGGCGCCGCGGTCC	16381
ACCATGATGTTCAAGGTCACTGGGGAACAGGATCTTTACAGGATGCTACAGAGTGACCACGTGGATTTCTTAA	16382
TCAGGGAAGTGTTGTCACCCTCTGCCTGCAGAAAGGTCATCAGAGGCTATGTGGACAAGAACTTGGTAATGA	16383
GCTACAAAATGAGGCTATCTATACTACCCTGGTGCATATATTCATATGTATCAGTAGAAAGCAAGCTTGG	16384

Table 1. Novel miRNA sequences

ACATGACAGCAGGCAAGAGTGAATGAGAACCAAGTGAAAGGGGAAATCCCTTATAAAATTATCAGATCTTGT	16385
CAAGCAGTGAGTTTTCACCATTAAAGAGCTGAAATATCACATCTTTCTCCTAATGGTTTAGCATCTCAAAGT	16386
TGTGCTAGCAAAGCTCAGGATCGGTCCTCGAATGATGTCTATTCCTCGGTCATCTGAAGCATTCAGCTAAA	16387
TCTGTCAGTCACCCAGGCTGGAATACCGTGACACGATCGTGGCTCGCTACAGCCTCCATGTCCCAGGCTCG	16388
GGGGGCTGTATTCATTTCTAATCCATGGAAAAGAAAGCATCTCTCTCCCTGAGACTCTAACTTCTGCAAAT	16389
AAACCCAGACTGCCAGACTTATTTCAGAGCTCCAGAGTCCCTTCTAGCTCCCGGATTCTCTGGGTGAGTTTC	16390
GGGTTAGGGCTGGATAGTCACATTGCCAGGGAAACAACCAGGGATGTTGCAAAAGTCTCACCAAACCCAAA	16391
TCAAAGACCCAAAACACAGCCTACTAAGCTGGTTTAGATTAAGATGGGACTGTTTTGGGAGATCTCTGAAGA	16392
AGACTCAGATTAGGCAACATGCCCAGGTTGTTCTGCTAATGGCTGAGTTTAAACAAAAACCATAAACACCTC	16393
GGTGACCTGCCCACCTCAGCCTCCCAAAGTGCTGGGATTATAGGCGTGAACCACCAAGCCACCACATCCGG	16394
GAGCCGGTGCACCACACTCTGGGAACTGCTGATTCAAGTCCATTAGGTCAGCCTTGAGGTAACAGAATGA	16395
CATGAGGATGAGCTCAAGGTCTGATCTAGCTGTGTCCTCTCCTAAAGCAGCTAGTACAGTGCCTTGCTGAGAA	16396
TGGTTCAGAGTGATGTGCAGCTGATCAAGACTGGAGACAAAGTGGGAGCCAGCGAAGCCACGCTGCTGAAC	16397
GATGTCTACCTTCTTGAATCTAAAGGTGCACGCAAAAGAGCAAAGTGGTTAGCATGAAGGATGAGTAGCC	16398
CGGGCCTGGTCCAAGACTGGGAGGCCGCGGGCCGTGCCAATGTGCTTCCTCCCGGGGCTGTGCCTGTGGGGG	16399
GCTTTTAAAGTTAGTAAGTAGCTCGTTAAGGGCCGAGAAGCGAGAAGCTACTGTGTAGTTTATGGGGTGACAA	16400
TTCAGTCATCATCCTCCTGATGTTGTAAAGTTTGGACTGGAGATAATATACTAGACTGATGCAAAAAACAGTG	16401
GTCTTGCCTGAGGCTCAGTGAGGCAGTGATGAAAGAAGAGCTGCCAACTCTCCTATCCCCAGTCCAGCATGAT	16402
TGGCTTCCCTTGGGCATCAGACATTGGAGAAGGACACCCAGACGCCTCGGAGGCCTCAACCAAAAAGCCTTAC	16403
TGAGATCTTGTGGAGGTTACATTCCCGTGGAGGGAAACAACCACATAGTGGATACTTAATTGTTGAGTAA	16404
CTTCAGCAATTCTCAGCTCCCGTTTGGTCCAGACCCACTGACCTGCTCCCGCCCCATGGGTTATTCTGAAGCA	16405
GTGGACTTGTTTTCACAGGTTCCCTACTTCAGCAAAGCGTGGCAGCGTGTGATACAGATACCACTGCTTTCAG	16406
GAGACGAGTTGCATGTGTTGGTTCAGCTGGCGATAGCGGCGGGAGCGGAGCCGGCGGGGCCTGTGCGACCGCCT	16407
AGATACACTCAGGATAGCTGGCATCGCCAAGTGTGTAAGAACATACTCTATGCCATAAGGCCAGCAGACA	16408
ACCGTGGAGTGGAAGCCCAGGGTTGCAGCCCTCTAGTTTCCTTGCTGACCCCAGGAATCCCCTCCCAGGTGCTG	16409
GTGTGTAGCTTATCACTGCTGAGTTGAATAGATGGGAGCTGGTCCCACAAGCTGTCTACTGCTGAGCAGGTGGG	16410
ACTTCTCCCCCAGAACAAGCTTGACTGATTTGTTTTCATATCATCTGAGCTTCTCTCTTGGACAGTGGGAAG	16411
GCCGGTTCCCGCCCCCGAGTGCGCTCGGCTGCTGCGGACGGTGGGCGAGGAGCCCGGGGCGGGGATCCGCGC	16412
AGTCTGCATGGCTTCCCAGGGTTTGGACGGGACACTGTGCTGTCCAAGCTTATCACTCTGTATGGTCGCCCC	16413
AATCCTGCATTATTCCACCTGCACGTAATCGGAGCCCCAGCCCTTAGAAAGGGGGATTTCCACATGCTGAGGGG	16414
CGTGGGTCCACACACTTGCACACGTGCATGCATGTTCTAACAGTGGAGCTTCGGGCAACAAGATGGTCCACA	16415

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Table 1. Novel miRNA sequences

CTTCCTCCTCCCCTCCTTTTTTTTTTGTTTCCATTTAATTTTAAAAGGAAGAGAGGGAGATAAACCACAGCAGG	16416
GAGGGATCCATCTGTCAGCAGTTTGCTGAAATGGGACCATACTATGCACGCTTTGCTGCACCGTGGGTTTCTC	16417
CTTCTCCATCTCCAGGTGAAGAATAGGCCTTGCAGATCCATCTCTTCTGGCCCGAGGCATCTGTCTCATTTG	16418
AAGTGGGAGGCTGAGGTGGGAGGGTTGTCTGAACTCAGGCGGCAGAGGTTGCAATAAACTGAGATCCTGCT	16419
GGCTGTGGTTCGCTCTACATCTTCTCATTGGGACACAGCTGATGAAGTGTCACCTGTCTAGAACCTTGCC	16420
GGAACAGGGAGAGACCCTGAGACAGCCTGAGAGTCACCTACAGGAAGAGACAGGGCTTCTCCTGAAGAGG	16421
GCCCTTCTAAGAGGCGAGACACAAAGCATGATGTCTCAGTCGTGATGTCTCAGTCCTGCTTTCCATCACA	16422
GTGTTCAAACGATTCTCCTGTCTCAGCCTCCCGGGTAGCTGGGATTATAGGCATCTGCCGCTACGCCCAG	16423
ATAGTACACAGGTGATAAAGAATAAACCTTGGAGTCAGATTGCTCTAATACTGCCTGGGCCACTACAAACCT	16424
CTCCCTGTGTCTCCTCCCCATCCTTCACCTGGACTACACACTTTGCTCCTTCATGACGTTCTGGGGTCAGGCTC	16425
AATCACACAGCAGGCCTGGCCAGATGGGGAAAGCTATAGAGCTCTTACTGACCCACTGGGCACAGAGGGCCCC	16426
CCTTCCTGAGGACCCCGATCGTATGTTGTGGCAATGCAAATGTGGACCCAAAAAACCTGAGACAGGTCTCAGT	16427
GCTGGACTTCCCACCAAGGCCCACTTTCATAATCCAAGCACCATACAGTGCTGACGCGGAAGGAGGCTCGAGC	16428
CAGCCTGGCAGCACCTAGCAGCTGTGCCACAAGAAGATGGCCTGACAGCACAGTGTGCAGCCCTGGCCTCGC	16429
CTGAAATTCACGGTAAGAAGATTTAAGCGAGGCCAGTGGGCATGAGCGGGTGTTTCCCCGGTTACTTTCAGC	16430
GATAATTGTTTGTGGTGGGGGTGTCCTGTGCATTATAGAATGTTTAGCAGCATCACTGTCCTTACTAACCA	16431
GGGAGACGTTTAGATCATGGAGGTGGATCCCTCATGAATGGCTTGGCTTGTTAATGAGTTACCATGAGATCTGA	16432
TTCCCTGTGGATTGGGATGTGCTTTCTAAAAACTTTCCCTGAGACCCTTACACAGTGTGATTCCCCCAGTGGAT	16433
GCTTTTGACGAATCAGCTTAAATTCCTATTGTTTGTTTTTATAGTAATGTAGGCGACGGCAGTCTGGTTCTC	16434
GTTTGCACATGGGCTTGCATGAACATGTGTATGAGTGTGTGTATGCATGTGTGTATGCATTTGCACCAGTGTGT	16435
GTTTCTCACCACGACCCTATAGATGTTATTGTCTCCATTTTATGGCAACGGAATCCCAAAAGGGCAGAGAGGTG	16436
AGGAGAAAACTGATTATATATGATACTCATTATGCATATATGATTATATATTATATGTAATCAGTTTTCTCCT	16437
ATTAAAATGATACAGGCATGGAGGGAAGCCCAGCAAATGGTGCTGACGCTCACACTGTACTTCGTGATGCCAG	16438
GTCCTGCCCCGTAAGGGCCACGCGGGAGATCATGTCGGATGACTTGTGGATAATTAGGCTCTAAAACGCAG	16439
ATGAAATGGGTGGGGTAGAGGCCTGAGTGTCCTGGTGAGGGGTACGTCTGCACTAGGGTCCAACCAAGGAAA	16440
GGAATGAGGGGGTCACAATCTGAGTCAGCAGGAGGTCAGCCAACCTGGCCAGCGGTATGGATGCCCCAGGCAG	16441
TGCCCATTGAGCTGCTCTGAGATCCACAGACTTCCATACTAGAGCTGGGAGAGACCAGCACTTGTTAAACTT	16442
TGGTCCCCAGCCCTCCCGAGGACAGTTCTGCACACTCCCTGAGACCCTTTACAGGAGCTCATGTTGACCTAA	16443
TTTATCTTTTCTCTTCAAGCCTTGGGGGTTAGCAGCTTTATAGATAAGGGCAGTCCTGACCATAAACCCAAC	16444
AAGAAGAAGGAATGTGTTCTATTTGTGCAATCCATCAGCAATTGATCATGGACTGTTTTTGTCTTCTACT	16445
TTCTGTCATAGTACCCGAAGTCCATAGTTCACATCATGGGGTCACTCGATGTACACTGGGCTTTGCAGAAGT	16446

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Table 1. Novel miRNA sequences

CAAGCTTGTACATTCATCACTTTGTAAATGTTCAGTTATCTCTGCAGGACATAAGGGGGTGTTTAGTTAAAT	16447
GCCCCTGGAGAGCAGTCGTGGGGCAGGGCCTGCCCTTGTTCAGTAAGAGGATGAACCTGGCCGTCTGCCTGAC	16448
GGCCTGTCCAGTTTTCCCAGCGCGAGCTGTCCTCCCAACCCTGGAATCAAACGCAGCTATCTCCAGACTGGCC	16449
CTCCTGCCCACCCAGGGGCGCCACAACTGCGGTGCTGTCCCGGCCACACCTGGGCGGGTGGGAAGGTCAAGGT	16450
ACTCAGATGAACATCCACTGCACACAGTGGCGTCCCAGGCCGGGCGTGACTCAGTGGACACAGGGCCTCCAC	16451
GGCGGGCCATCAGCCAGCGCTCATCATGCTGTTTGTAGCTCATCAGACTGCGGTTTGTAGCAGGACCTACCCA	16452
GCATTAGTGGGCGCTGAGAGATGCCGCTCCTGGCAGAAATGCAGGGTGAGGTTCCTGCAGGCCTCTGCTCACAG	16453
GAAGCTGGAAGGTGGTCAAGTCCCTGTGTAGGGTGTAATGAGGGGTGCGCCAAGGGATCAGGACCAAGTGGG	16454
AACTAATGAGGGATGTGGCTCAGAAGTGCAGGCACAGTGCGCTTCTGAACACTTCATCCCAGATTAGGCACCC	16455
GAGTTGGGCGTTGGGTCGTGTAGATGTCACCTCTGTACATTTCACAGGGGCATCTAGGCTCAGGAGAGAGG	16456
GCTATCACTACTGCATCAGTATAAACAGCACCTGGAAGTCATTTCCAGGAGCCCTTGGCTGTCAGCTGGCTA	16457
CCTGACTCCTGCAATTGCGGCTTTCCCGCTTTTCAGACTGGCCGCCCGTGTTCACATTCCTCAGCTGCAG	16458
AAGTTCCCTGTGCAAAGCTGGCAGCAAGGTTCTTGTGAGTGTCCCTGCCTCTGTGGCTAATGCTAACTGA	16459
GCTGGTGTACTGGGTGACGGCCTTGGTGCCCTCCGACACGGCGTGCTTGGCCAGCTCCCCGGGCAGCAGCAG	16460
GTGGGTGTCATACTCATCAGCACCAAAGTTTTGATGCACTGTGGTAATGTTTAGTGATATGTGGCCAAATCAC	16461
GCATCCGCCCTCAGGTAGCCTAGTGGGGGTTCTTCCACGCTGTCTATGTCACGGGCTGTCCTAGTACATTT	16462
TCAGTATCACATTGCCAGGTTTGGAAGGACAAGTTGGCTAGTTGGACTGGATAACCTGTGTTTTCCCCAGCTTG	16463
CTCCAAATTCAGTCCCATTGTGACGTACTGAGGGTTAGGACTTTGGCATACGAATTTGTGGGGCTGGGGGGA	16464
ACATTTTGAGTGTGGTTCTTTGTCTTATGAGTTCAGGGATGGTTTCTTTCACTCAGATCAAACGTTGGGA	16465
TGGACCTAATACCTAATTTGGACTCAATTTCAATTAGGTTAATACCTAATTCAGACTTGGTTTGAAGAGGGG	16466
AAGAATTATGCATTCTGCAAGTGGCTTCTGATAGATAGCGTTTCTCTCTGGCTTTTGTGTTAAATGAGTGGTGG	16467
CTGGGACGGGGTCTAAACTGATGCTGGACAGCCTGCCCACGGGAGCTCCCTCACACCCCTGCCCAAGGAC	16468
TAAAGACCAATGGCAAGTTACTCAGTGGTATGGTCGTATAAATTAACCACCTGTGAATGAGAACGTGGGCTGT	16469
AGGTTTGTTTGCAAAAGGTGTGAGCCATGGCTTTATAAGGTGTTTTAGCAGCTGTGCAAATATTTTGTTTTA	16470
CTTTTCAGTGCAATTGGCCAAGTTATGACAGATTTGGCATCCCTCCAAAATGACTGTAATAGACTGAAACAC	16471
TGAAAGCCACTGCCTTGGACTACAGATGTAACTGGGCTGATCAGCGATGCTCTGAGGCAGCAGCTGTGAT	16472
TACTACAGAGGGCTGAGTCAGACCAGAGGTCACATCTCTGCGTGCTGGTTTTCCCTAGTTCCACCAGACAG	16473
TAGGTCAAAGCCCTAATCCCCAGTACCTCCACATGTGACTGTATTTGGAGACAGGGCCTTTACAGAGCTGAT	16474
ACCACACGCCCTCTGCAGTTTAATGTTCTAATGGAGGAATTAGGGGGCCAGAGGAGCTGGGGGTTACATTTG	16475
TGTTAATCACATGTAACTAAGCCAGTACTTAAAATAGATGGGCCACCAGTGAATTAGCATGTGATTTGCACA	16476
AGGGCAGCAGCAAGTGCTGATTTCGCACATACCATTTGATCATCAGTAACTGGGCTAAGTGCTTTCCACGCAT	16477

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Table 1. Novel miRNA sequences

GAGGACTAGCCTGGCCTCTGAGAGAGGCTGAGAGCTTGGGCTCTAGGGCCTTGTTGGATGCTGGCTCTGCC	16478
AGCTCTAGCACCAAAACTTTACATGAAGTGATTAGAGGTAACTTTGGTAAATAATCTCTGATCTTTTATATGCT	16479
TCTCAGAACCTTGGCTAAAGTCTCAAAGCTGAGTGACAAGAACTCTTTAGTCTAAAAGAAGGTTCTGGAC	16480
AAGGCAGCCTGCCCTGGGTTATAGAGCTCAGGGGCACATGACCCACTGGGCTAAAACCTTGAGGGGCATTCT	16481
GTTCAATAGTACTCACCGCTTGGCGATAGGCAGTGGTCTCACTGCTTGGTGATAGTCTTACTGCTTGGTGA	16482
CTGGCAGCAGCATTGTTTGAAACTCCCTGTGTGATTTCAATGGGTAATCAATGTTGAGAAACACTGCTTTATT	16483
ACTGCTAGCCCACTGAGTCAGCATCATTCTCTAAAGAGATGTTTCAGCAACTGACCACAGTAATTGGTTTTCCT	16484
ATATTTTCTGCTGTATGGTTTCAAAGCAAGTGATAGATGTCATGACACTATCCTAAATACTTCAGCATTTGT	16485
TTTGGACAGTTGATGTCAAATACGGGTTCTCTGAAATTTAGAGTCTAAAATGCTATCGGCAGGTCCTTTTCCA	16486
TGTTCCCTGGCTTCTTAAACCACCTGATCCCAGAAATCCTGATCTATAGGAAAAGACACAGGGAGGATTCTAT	16487
GTGGCATCCTATTTTTCATAATTTACCGAAGGCCCTTGGTAATATAAATACAGAGAATAACAGGTGCTGCACT	16488
AGCCCCTCTGAGGACGGTGGCTGGACCCCATGCGGGAGCCGAACTCTGCGGCATCTGCCGCCGTAGAGGGG	16489
GTGGCATTTGTGTGTGGATGTGTGTATATGCTCGTGAGAATGTGTGTCAGAGAGAGAGAGAGGTTTATGTTGCT	16490
TGTGGATTTGCCAGACTGCTTCACTATTGATAGAGACAGGAGATAGTCAACGTCTCCAGCAAAACTCCAC	16491
CACCGGAGTCTCTGCTCTGAACCATGCTGCCTGCTGGCATCAGGTGAGCATGGCACTCATTGACTTACTGTT	16492
GTGTGCTAAAACTCTAATAGGCCTTCTCAAGAACCAAGGGCAATGGTATACTGTGTTTCTGTATACATATAG	16493
TGCAACAGCGCGAGTGGCGGCGGCGGCGGTCCCGCCCCCCTGCCTTCCGCCCGCGCTCCGCCGTCCTGCGCGC	16494
ACAGGATCTCTGGGGTGTCAATTTTTCTGGCCGGAAACCTCTGTGGCTGTGGTGTCTTTGCCTGAGTTCTCGT	16495
CATCTATTTCATAGCATGGAAAAATTCCAGGCTCATAGCAGCACGCGTTATACAAAGCTTTTAGTTTCCAGC	16496
CATGATATTCATAGTACAGTGTCTTGCACATGTCGTGCGCTTAGTAAGTGTCAGTGATAATAGAGCAAGCTGCT	16497
CAACTCCTAAGCAAAAGCAGCATGACACTATTTTGAGAGCCTAGTCCATGCCATACTGCATGCTGCTATCA	16498
AAAGTTCAGCGGAGGACTTGGCCTCTGATCCGGCCCGGTGAACCTGAATCAGAGTAAGCCAGGTAGAGAAGT	16499
CATGGAAGATCAGAGAATTTGGCTGAGCCATTCATGGGCTGAGGCTCTCACAATGTCACATACAAACATACT	16500
AGACATTGGGGCCCTATTCGGTCTCTCACTGCTAATTCCCCTTCCAAAATGTCTGAAATACCACTACGAAAAAT	16501
CACCCACATTAAAGACATCACAATAAAATGCACCAGCATTGGTGGTCCAGTGGGAAATTAAATGCCATGT	16502
CTTAGATATACTAGTGACACTAAAAAAATCACTCTCAGATAGAAAAATCTTTTGAGGGTTGATAAAGTGTTAC	16503
ATTTGTAGCTTATCAGACAGGGTCTTAGTCACCTTGCGCCATTGCTAGGGACTGCAGTTGAACTCAATCCAAA	16504
GTAGAGTAAGCATGTAGCAGTTTGTGTTGCTTTCCATTAGTCTGTGCCTGGGGTTACATGTATAAAGCAGC	16505
GCTTTAAAGTGGAAAAAGGGAAGAGTCAGGCATGGCCTAATCAGAGGCTACTGTCATGAGGAAGCTATAGGC	16506
TAATCACCGTTTGTTTTGTGCTTTCTAGTTAACCTGATGCCAGTACAGTGCAATTGGAAAAGCAGGACTTTGGT	16507
TGCATTGTCAATGCCAATCTATTTTCCAAAATGTTTGTATCAGTTCATACTTCCATTGGCATTGTATGTAAGT	16508

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Table 1. Novel miRNA sequences

CCTACCATTCTGCCATCAGGCTCAGTAAACGAAATGGGCAAGTAACATTTATCCAGCATAGACTACTGGCCAT	16509
AAAATATGACCTATGAATGTCCAGTGTCCTCCATTCACAGCCACATTTCTCTCTCTGGTATTAATGGTTCATGT	16510
AGCCCAGTGTTTTTTAAAACTGTGGATTCAGCAATAAATAAGATTGAATCCCTGCCTGGTGAGCTTGAAAACTT	16511
TCCATGGGGCTAAGCAGTGGGTGGACTGTGGGGCTCTTCTACACAGCCCGTTGCCAGACTGGCCTGGGATCC	16512
GTTATTTTTAGGAAATATTCTCTGATGTATATAGGGATACTATGACACTATGTCAGAAAATGACTTTCTATGAA	16513
TCCCAAAGGGGCACCGACCTGATGCTGCTGGAGCTCTCCTGTATGAGGTGTCTGGCAACCTCTGTTGGGA	16514
ATCTTCGACCACAGGTAGCTTATCAGACCTAGTGGTCTGGGCAGTAGTGCTGGTGGTAAAGACAGACCCCAG	16515
GTCTTCGCCGGGTAACCCTGCTTGGGCTCTCAGAAGCGTGAGGGGCGGAGAAGATGTGGGGGGCGGGACAAGAC	16516
CCCCAGCCCTTCTAATCTGGGAGGAAGAGGAATCCCGATAATATCTCACAATCCCTCATCTTCCCAGGAGTGC	16517
TATTTAGTTGAGTAAGACAGTGCTTCTGTATTCAAGAAGTCTACCTGTGACCTATTTTAACTGTATGTTTC	16518
GGGTGGTCCCCGGCACCTCAACCTGACGATGGGCTTCATGGACAAGTCCTTAGTCAATGTGCATTTTCCA	16519
ACTGCTCACTGGGATACATGTGCTCATTTAGACTTTGTCAGTTTGTCAAAGCAGAACTTTCCAAGTAATACA	16520
ATGCAGATATGGAAGGAAAGTCTCAAAGTCAGGTGACTGGAGGTGGTCTCCTTTTAGTCATGGCAAATAAGG	16521
GATAGATTAGCCTGGATTGTCCATGTGGTCCTAATATCGTCAAAAGGGGCCTTAAAAGTTGAGGATGCCAGCA	16522
AACTTGAAACTGTGGCCAAAGGGGTAAGTAAGGCAGTATATGAGGAGGCAAGATGCTGGCTATGGAAGTCAAG	16523
AAGGACTCAGGATAAGGCCAGTGAAAAGAGGTGGTTTAGCTGAAGGCTGGCCTCAGCCTCTTCACAGGGAGTTC	16524
AAACTATGTCCACAGACCTGGATGACAGTAGGAAAAAATTATAAGTTGATTCATTAGGTTTATAGGGCTATGGGC	16525
GCCTCCTCAGTCTCTTGGAGACCCCTCTTGCCAACACACTCAAACTTGTTTCCCTCTAGAGGCACAGGATACT	16526
CTTTTCTGTCTGAACTTTGTCTCCTTTTGGAAGTTTCCCCAGTACCTCCACTAGGGTATGTGAAAGAAAAG	16527
ACATACCCTAGTGGAGGTACTGGGGAAAACTTCCAAAAGGAGACAAAGTTCAGACAGAAAAGAGGGTGAGTAAG	16528
TACCTTAGCACCATTTGACTATCTACAGGTCACTTTTTTGGAGGGAACAGGAGTCAGGGGTGGAGGGGTGGA	16529
GCTAGAGACCTTGCTCCAGGTAGAGGGGCAGCCCAGATCCTTCTGGGTCTCACAGTGGAACATGGTCAGCACC	16530
TGCACTATCCAATATGGCAGTCCACAAGTGGCCACTGTGCATTTGCAACATGGCCGGTGCAAATCAAGAT	16531
CTCATGCCCGGCTAGCTCAGCTTTGACCTTGAGGTTCCTGGGAAGCTGTCAGAGTCATGTCTGGATGGTCTGA	16532
CCAACTGGCAGTTTGAGTAATACCAACCCACCTCATGGAGGAACATCTATTGCCACAAATGTCACACAAAGAAG	16533
CCACCACCACCACCATCAGCACCACGGAGGAACCGGCGCCCCCGGCGGGGCGGGTGGTGGCGGCGGTGGCAG	16534
CTCTTGAGTTAAACAGTGCACTGTATCTTTTTAGCCTTCTGACGAAGACACACTGTTAGCCTCAATGTGCCA	16535
TGTGTATGTGGTTTTTTCTGACTCTGGGATCATTGTCTTAGACTGGAGCTCCAGAGAGGAATTATTGGATCAA	16536
GATCGCAATCTGCTTTGAGTCCTCAATCATTTTTAAGAGTGCAAAGAGGTCTTAAGACCAAAATGATCGCAATC	16537
GGGATACAGTCTATGTTGCTTATCACTACATCTCCAGTGTTTTGGAATAGTGATTGCAAATATTAGGTTAAGA	16538
TTTGCTCATGTTGCCCAGGGTTGAGTGCAATGGCGTGATCTCAGCTCACTGCAACCTTTGCCTCTGGGTTCA	16539

Table 1. Novel miRNA sequences

TTCAGAGGCAAGATGCTGGCCCCTCTGGCTGTCACCATGGATGACTGCTGATTTAAGGTCTTTCTTGGTCATC	16540
GTAGATGAAAAGAGGATTGAGGGCAGATAATTGACTTACCTGGGCTTGATCTGATAGGATCAGCCCTGGGACCT	16541
AAGGTGTCCAGGGGTCTGGCCTTGCTGGAGGACTTCGGGGGGATGGTAGCAGCAGCATAAATAACATAGAAGC	16542
AAACAGGAAGAATAGTAGCTTATAGGATCAGAGAGTTGATAGGGGCCATATCTTGTAGCTGTTTAAGCTACAA	16543
AAATGAAGACCAGATTAGTGATTGCCAGGGAGTTACTCAGGGAGTGGGGGCAGGAAGGGAGTGGGAGTGGCTA	16544
TGCTGAAAGTTTTCTCCTACACCCAGTTTTTTCAGTCCCTATACACTGTGGCAGGCTGGAAATGTAGGGGAGT	16545
CCCAGAGCAAATACATCAGAATTTATGTCTGGTGGAGCCAGAGCATCAATGGATTTGAAAGCTCCTCAGG	16546
CAGGGTAGGTAGATCTGCTAGGGAGACGAGGAACATGCTCTTCTGATGGCTTCCATTGTCCCTGTGCAATCA	16547
GCATAGTACTCAAAAGGGTCCTTAGTAGTAGGGAAGAGTCAGCCCTAACTATTTGCTGGACTGGTCCTACC	16548
TTTTGTCATCTCAAGACACTATCTTCCCGAGGTGGTCTGGAAGGGGGGCATGTGTGAGAATCCAGTTACTAT	16549
GCACTGCTTGGTGATGTCTAACCTGAAAGCACATCTCATAGTCACACAATTTTGCATTGCTACCCACAGTGTG	16550
AAATACTCTTCAAATACTCAGTTTGTCAATATTTTGTGGATAGGGTTAGTGAATGGGTAAATGTGGACTTGA	16551
AACTGGTGGACTTCCTAACTGAGACAAGCCAAGTGTCTTAGGTTTTGTGTGGTCAGAAGTAACAAGAACCCA	16552
CCTCATGAAGTGTGGACATCAACAATAAATCTGTAATTCATACAGTAGCCATTTGTCCATGGCTTGGGGC	16553
TTTGAATGTTCACATTCTCAATGTGAAGAGGCCAAGCAGAAGCGCATACGGTGTGAGCCAGGGGAAGAGA	16554
CCTGCTTGGGTCGACCGCGCCGCTGCGAGGGAGGGCTTGCCCCTTGCCTCCCTGCTCTCTGGGTGTTTCCTTTG	16555
CTCCTTGCTGCAAATACGTTCCCCTGAGGCTGGTGGGTAACCTAATGCCAGTCAAGCTACTCTGTGAGCAGCC	16556
TCAGCTGTCTGGGCTGGTTTATGGGGTCATGGCAAACCTGCTTCTCCATGAGTCTCACACACTCACTGGGTG	16557
GTTAGCCATTCATCCTGTCTCTGTCCTGAGTCTAAGGAACCAAAAGGGTCCTTGGAGGACAAATAGACTCC	16558
GAGAGGCACTTAAGTGAGAAACCTCACCCAGACTGAGGAGGGAAGGGAAATCTGGAAGTTTTCTCAGAAGATAGGA	16559
ATGGGTGGGTGATGGGTGTGTCCATTAACTTGATTGTGGTAATTACAACATACATGTTTATCAGATCATCACA	16560
ATGCAGAAATGCTTGTATAAAGACCCAGAGTCAGGCAAAGGTGCCGTGTGATTATGGAAGCCCGAGGAAGCATT	16561
GTCATAGATAGGTACAAGTAAAGTGCTATAGGAATTTATCTGAGATGGATATGAAAAGGTGCCTTAGCTCAGAC	16562
GGAAATACTGATGGTGCTTTATGGGGAAGGGGGAAAGAAACTAGGTTAACCCTTTCTCTCTCTTTGTCTTGGGT	16563
CAAATAATGGGAACAAAAAGAGTGATTGGTTTGGCTGTCAAAAGTGAAAAAGTCATGGAAATGTTGCTGTC	16564
ACAGTTACTGCAGTTGAACATGATCAGGTTGAATAGAGGCATGTTGGCGCATTTCAATTGCAGAGAAGTT	16565
AGCAGCTAGAAGATCTGTTCCTCAGGAGAGTCACGTGTGTGCTGGGTGTGAGGCAGTCTGGACAATGGTTGC	16566
AACTCTGCTGTTGACCTTAAAGAAACAAGCTGCTATGACCATTCTGTCTCTTTAGGAGTACAATAAGAAATT	16567
AAGATTGGTGGTAGGATTTTCTAAAATGTAGTGTTTGCTACATTGTCAAATAATTTACATTAATTGCTAATG	16568
AATAGGGCTTTCCTGTGTGGGAATTAAATGTCCAATCACAGAATCCAAAGTTCTTACCTGTTGAGTAACCCTGT	16569
GCCTCAGAATACTGATCCATTGCTGGAACTCTAGTATTGCATGTAACTAGATTTCGTTTAGAATTTTGATTA	16570

Table 1. Novel miRNA sequences

TTTTTCCATTTTTTTCTGAAGTGTGGGAAATGTTTGGGAAAATCTACACTTTCGAAGAGATATGTTGCAAAAAC	16571
TTGTAAAGTTCTCAGGCACAAGATCTAAGATTCTAGACTCTTAGATTGTAGATGTCAGGAGCTCAGGATGA	16572
GAATATTAAACTTAGAGCTACATTGTCAATATGGTAGCCACCACTAGCCACCAGTGGCATGGAACACTTGAAATGTG	16573
GTGCTGAGATTACAGGCGTGAGACACCGTGCTCGGCCGACTTTCTGATGGCATAGTTTGGGCATACTATTT	16574
CCTCCAAGTTCAAAATTGCTATCTGTTTAACACCATTACCTGGGCTTAGCTAAGGGTGCAAGATTGAAATAGA	16575
GAACAGATACAGGTGATAAAATTGAAGGTAACATGTTGTTGGTTACATTCTGTTTTTTTTCCTCTGGGTGGGC	16576
ATGGAAGCTGACAAGTCTTTATAAAACACTGTCTTATTAGATGAGTGGACTTTGTGATGTCTTCTGTTATGT	16577
ATTAATAATATAATACTAATGGCTGAGATTTAATGAGGACTTTCAGTATTTTGAGTATTTTGCATTTATTAAT	16578
AAAGGGAATAACTGATGCTGAAAGGGATGTGGAGAAGGGGGAACCCTTGTACACTGTCCGTGCCAATGTAAA	16579
CAGGTGGACCACCTAAGGTCAGGAGTTCGAGACCAGCCTGACCAACACGTGAAACCCTGTCTCTGCTAAAAAAA	16580
AGCATTCTATTTTCTCCTGACCTGCCAGGCTTTTGCTGAGAAATTGCTGAAAGCCATATTGGAGTTTCATTG	16581
AAGACAAAGCAGCAATAGGAATAGTCTGACTTGTGTAGAGCTCTGGCATTGGCTAATTAATATGCTGTTC	16582
AATGAATCTGGGCAATGTACCAAAATATGCTACTGGTGGCATTATATCACATTGCCAGGAAATGGAATTA	16583
TTATTTCTTTCTCTTGTCTGACGGCTCAGGATAGGACTTCCAGTACTATGCTGAATAAAAGTGGTGAAAGTG	16584
GATGGGGGTCCCGAGTGTCGGGGGGGAAGAGAGGCTGGATCTCAGTCCTCGGCGCGCGGCGGCTGCCTCC	16585
CAGTGCCAGAATTGAATTGGAGGACACCCAGCCTGTGTCCGCTGCTTGGTGTCTGGGAAAAACCACTACAT	16586
GGGATGACCTGCCTGCAGAGAGGAGTTTCCTTCTCTATGGTCTCCTCCCTGCTAGGAGCTGAACACTCATCA	16587
CTTAGCATGGACTGACATTATTTAGAAGTTGCATATTCTTGACTCTTCTGTGAAATGATATATATTTCCAGGCTG	16588
CTTTGACATGCACCTGAACTCTGAGCCTGAATTTCTGCAGGTATAAAGCGGTCATCAAGCACTACTTCACA	16589
CTTAGAACAATCTCCTTTAGAACACTGAGCTGACAGATGAGTATTGGAAATAAAGTGGATTTGAAGGATGC	16590
AATTTATGTTTTGTCCTGATATTTAGGGGCTGTCAACCTAATTGAAAGGAACGTAGCTAGGAATTTAACACA	16591
AGTCCAAACTGACAACCGTTAGAAATATGAACAAATAAATGGTGGTTGTTTGAAGGTAGAAAGTTTTGGAGT	16592
GCAAGCACAGCCATGGATGAATTTGAGTTATCTGCAGCAGCAATGCATAGGACTCAATGTTTAGTTCTTACC	16593
AGGTGGGTTCTCAGGCCTTGTCACCCACTCTCCTTACCCTTTCAGAGTCCTCAGAGGCTATTGTTTCCATTT	16594
CTCAATAATTTAACAAAAGAAACATTTATTTATGCCTCCCATAGAATATGATTGGTATTGGGGTGGGAGTGGTG	16595
TCCACTGGCTCAGGGACTGCTTCGAGGATATTTCTCATATCTTGTTGAAACAAAATCTCAATGTGTCAGTATA	16596
GATGACATAAGCTTCAGCTGCTGTCTGACTGCAACTGCATGAGGAAATCTGAGCGAGAACTGGCTACTTGAGTC	16597
TAGCATAACTTTCATAAGAGAATTTAAAGTCTGTTGTGTAACAGCAGTCTTAAAAGTTGAATTTGCTGTAG	16598
CTGCTCTCAAGTCTGAGAGTTCAGGTGATGCTGGGGGGGGCCATGCTCAGTTCTCAGGCCAGTGGGTCTTAT	16599
CCCACGGTTCTCTGCAAGGAAGCGCAGAGGCAAAAGTTCAGAGTGAGATTCCGGGAGAAAGAAAAATAGGG	16600
AGAAATAACTGATGTTTAGCAATTGAGTTTATTTTTATTACTGAACTCAAGTCTCAGCTTGGGTCA	16601

Table 1. Novel miRNA sequences

TTCAAGGATGAACATCAAATACCACACATAGTGCCAGGCACATAATGAGGTATTGGATAAAATTTCATTTC	16602
TCAAATGAGTAATGTTTTGTGACACATCAAAATTATAATGATGTGCTGCATAACTTTTGGTCAACAATGGC	16603
TTCAAGTCATATGACTAGGAAAGACCACAGCAATTTAGAACCATTTGAATTCAGTGGGTACCTCTAGTATAGA	16604
ATTATTATTTTTTTAATTTTACTTATTTTTTTATTCTTCCTCCAGGAAATGTAAGATTTTAGTCAAGTTAAAGA	16605
CAGCAATCCCACTCCTGACAACTGAAAAACCGTCTATACATAAACTTATGTTTGAAGGTTTATAGCAGTTTGT	16606
GATAAAAAGAAATTGATAAAACCTGCCTGTAGTTCCCTGGACGGCTTGATATGACTGGGGATGCAGAGCTAG	16607
TGAATTTAAAGTTGTTATATCTTACTGCTGTTTGTTGTAGACAGCATATACTGGATATTGCTTTTTAATTCA	16608
ACTATCTCTTTGGACAGTTTATGGGGTTTTTATAGTATATGAAAAACAAGCTGTACCCTTTTAATAAAAGGGA	16609
TTTGGTTTCAGTTTGTACCATTGTTTGAAGTACTCAGTTGGTTGAATACTCCAAATAATGGTTCAAATTCAAAC	16610
ATATTAAATTTACACCTACTACATGCCCAGAACTATAACCAGGCTCTGTAAGGGATGTGGCATTTTTAAGT	16611
ATTTGGGGAGATTCAATGATTTGGTTTGTAAAGCAAGGGTCTGCTGCTTGGTTTTCCCAGGAAAAATGAAC	16612
GCATCAAAATCAGACAGCAGCAACAGCCAGGAATCCAAGAAACAAATTCCTGGATGCAGAAGTTGTTACTGA	16613
GAAAACACAAAACTATCAGTCATTGTCAAATACTCCATAAATGGAGACAGAGAAGGGGTTCAGTTCTCTGTGT	16614
GATAAAGGGATAGTCTGCAGATGACTGATAGTCAGCTAGGCAAAATACCTGAGTCCTAACTTAGAATTGGCT	16615
TAGGTTTGGAAGGTTTGCAGTTGCTGCTCTTCAGTCCAAAGTAGAACAGTATGAGCGTGAAACCAATCGCCT	16616
GAATAACAAGCAGTGAGATTGAAGCGGTAATTTGTATGGTAATTTTACAAATTACCAACAGCAACAAAAA	16617
GGACTTTTTGTTGCTGTTGGTAATTTGTAAAATTACCATACAAATTACCGCTTCAATCTCACTGCTTGTT	16618
GGCGATGACTCAGGCTTTCAGGCTGTCTCTACTCCTTGTTCCCCTATGCGAGATGGCTGCTGAGCACAGGGG	16619
TGGTGGGAGGTGATTGAATCATGGAGGTGGTTTCTCATGAATGGTTTAGCACCATCTCTCTAGCGCTTTTCT	16620
ATTGCAGAGATGCCTAACATGGCCTCAATTGACCATTCTTTGGTTTCCTGCAACTTTTTCCCCCTCAATTCA	16621
GCGTTAGTTTTCAGAGTTAATGGCCATGTGTGAGAACATGCTGAGTACAGGTGGCCAATGGTTATGCTGAGAA	16622
TTTCTGACATCATATTAATTGGATCTAATGTGCAAATGTTGCAATTACCTGAGACCCTTTAGTGTGTTAGAGA	16623
AGCAGTCAATAGATAGTTTCTCTACTTACATAAAATTTGTTGTAAAGATGTCATAGGAATAGCTGATTGCTT	16624
ATAGATTTAAATAGCCTCACATTGCCAGAAGCTACCAAATTGGAGACTGGTGGGCTAGGATTTCTGGTCAGG	16625
CTCACAGCAATGCTCAGGCTAGAGTACAATGGCACAATCTTGGCTCACTGCAACCTCTGCCTCCTGGGTTCAA	16626
TAAACATGGGCCAAGCTTCACATTGAGAAGTAGACTCCCTCTCTGTGATGAAACACTACAGTCCATGCTGCA	16627
GTAACGAGGCCTTTCCGTTGAGAGTCCCAAGGTTCTAGGAACATAGCTTTGTTATCATACAACATATGTT	16628
CTATATATTTTGGTGTGTGACTGAACTAGGAGGTAAACTGAACGCAACTAGTTTTATTGCACAAGTCCTGT	16629
AGTTCACTGAAAACATCTAATTAGAAGAAGAATAAAGCTTTTTCTTTGACTATTAGGTTTATAGGCTGCTTT	16630
GAAAGCGGTCTAGTTTTCTTATTCTGCATATGGATATCCAGTTTTCCCAGATTAGTGAAGAGATTGTTATTTC	16631
GTTACACTCTAGTCTGCAAGCCAAAATACATTGCTGCCCTTAGCCCATTCTTGGGTTTAAGTTAAGGCCAGCAA	16632

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Table 1. Novel miRNA sequences

GAAGACATCACTTGCTAAAGGAAAACTTGGGTGGTGATCAGAAATTCGGTTTCCATCCTATTCAATCTTGAG	16633
GCGGGGTACACTGTCAACCTAGCAAAGTACTTCAAGGAGGTGGAGTTATCACTTTTGCTTATAGATCCAGTAA	16634
AGTGGAGGGAGGAGATGGAGAATAGTCATTGTTCTTGAGATGACTACAGTGGCAGGAGCTTATTTTGTCCC	16635
GTCTGTATGTGTCCATCAATACCTCACTGATTTGAAGTTTAAACTTTATGGTGATGAGATACACAAAATTGGG	16636
AATCTCTTCTGGCTTACAGGGTTTCCACTGAGAGGTTCACTGTTAGTCTGATAGGCTTCTTTGTAGGTTACC	16637
ATAAGGAGGAATATGAGTCAGCAGAGATTCCAGATTTTGTCCTGTGATCGCCAACTGACAATCCAACTTCAG	16638
TAAGTGCACAGTCTTGTAAGAGAGAATTGCAAATTATTGCAATGCTCTAATAATTGCAATATGATCCTTACAAG	16639
GGACTAGCAGAATTCTAGCAGCATGTAAAATATTGGATGCTGGAAATAAACATCTGGGCTTTGCTTCTTATC	16640
CTATGTGCTGTTCTGTTGGTTGTGTAGTGAACTACCATGCACAGTGGGCTAGCTTTCCTCTGATTTCTGTT	16641
GCTAGCAGTACTTTAAGTGCTCATAATGCAGTAGATAACTAAACACTACCTGCACTATAAGCACTTTAGTGCT	16642
CCAGAATTGTGGGGATGTTTCTGAATTCTCACCCAGAAGCAGCAGTAGTGGTTAATACGTCTTCCTTTCC	16643
ATTTCACCAGAAATGTCTTTTTTTTTTAACCACTGTAAAGAACAGGCAATGCATCAGACTGATATTTCAGGTA	16644
CCTGAATAAACAGAAGTCACAACAGAGGCGATGTGCGTATACCCAAGGATCCTTTTAGTGATCGTTGTGTCAG	16645
TTCATCAGTTGATAGACATTTAGACTGTTTCCAGTTTTTGACTATTAGGAATATGCTGTGATGATCATCTATG	16646
TATTTTGTACCACGTGATGTATCAGGAGACCTTTCTGGCACTGTTGGCCTCAAGGGCATGGGAAGCAATGAA	16647
TGGGCTACTGGATAGAATTGTCAGAAGGTTATCATCTTAAGAATTTGGCCCTAGACCAGAGGTCCCCAAC	16648
TGCATCTACACACTGGGGATACAAATGGCTACAACAATCCCTCAAGTTTCTCAAAGCCAGTGGGGGAAATATGC	16649
TGGATCCTCCCTGCCACTCCACCGCTGCCACCATTTTACTCACTGCACTGAGGCCAGGGATATTTATCAA	16650
ATATTATTCATCACCTATAGTAGACTGCTGAGTGCATTGAGAGTTTACAGGGGTTCACTTACATTGACTGAC	16651
TTTTCTTTTCTGTGATGGCAATAACATGGTATGCCCACTCTTTCTGTGTCAAAATGCCATCTCTGTGAAAGGT	16652
TTACTGTTAAACGATTATAGAATTTCAGGCTGGGAAGATGAAAAAGTTCTAGAGATGGATAATGGTGAAGAT	16653
AATTTCTGACCTATAGGAACTGTGGCATAAGGAATCTTGTTCTAAGCTACTGTCTTTTGGTGTCATTTGT	16654
GCCCTCACCAGACACTGAACCTGCTGGTATTTTGAACTTGGACTACCCAGCCCTTAGAACTGTGAGAAAT	16655
GATTAAAAGCCCTTTGTACAGTAATCCAGGAGCTGCTGTATGCTAATGACTGTGCTCTTAAAGCCCGTGAGT	16656
CTTTCAGGGACTCTGAGATCCTTGTGAAATGAGGTTCAAACTCTTGAATGTGAGCGAGAGGGCATTCCCAGTGT	16657
CCACTGCGGGGGCCTCTGTGGTGACAAACTCAAACTCCGTGGGACACACGTCATCCATGCACCCACTGCCACT	16658
GTGGTACAGTTTGCATTTAATAGGTTGAGCATCCCTTTTTAACTGCTAAAGCACTAGAACTGCAACATGCC	16659
ATCTCAGTAGACCTGGAGAAACCATTCCACGTGGGTGAATGGTGTGGTTAGACTGGTTTTCGTGGAGTCTACA	16660
CTCTGTTGCCCAGGCTGGATGGAGTACAGTGGAGCGATCAGAGCTCACTCAGATCCGATCAGAGCTCAGCAG	16661
AGAATAAATGGCTAGTCCTTTGCAAAGACAGTCAGTGGGATATGGCATGTAGATTGATGAAGTTCTTTGGCTGT	16662
GCACATTGATTTTGTATCCAGAGACTTTGCTGAAGTTGCTTATCAGCTAAAGGATATTTTGGGTTCAGACGATG	16663

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Table 1. Novel miRNA sequences

ATTGTCCTTGTGGGTAATTTTGCAAGCCAGTGTCCCGCACATTGCCAGGGATTTCTGGAGGGGGCTGTTACCT	16664
ATTCTCCCAGTCAAGTCTGATGAGATGTTTTTTTCTGACCTCCGCAACCCCCTGGACTGGGGTTAAGCCCACAA	16665
TTTTGTGGCTCAGTTCAGTAGGACAGAACGGTCATGCGTTCTGCTGCGTGCAGGGAGAGAGAGTTAGTAGCT	16666
CTTGCAAAGAGAGTGACTGGGAAAAATGTCACTTTTCTAATTTTTCTGCGCTTTCTATGATTTTTTTGCTTTTA	16667
AAGCTCTCAGGTGTTACTTGCTGGTCCAAGGACTACACGTAGTAGCAAAGTGCTATGTCATACCTCCCAAC	16668
ACTGAGGATATCTGTTCTGCACAAAGCCATGCCAACTCACCTGGCAGCAGCCGGTGCACTGGAAGAACCCCTC	16669
GGAGGAGCTGACACCACATGAAGAGAAGAACGTGGAGTCTACGGCCAGGTGCATGTGGCTTCAAATCCACCT	16670
AATCACTACCAGGTGGTAAGTGTGTGAAGACCTACAGCTGACTCTTTGCTATTTGTGATACTGGAGGCCA	16671
TCCAGTGTGAGACCCACTGCTATGGGGTCACCGATTCCTAGATTCCTAATGGAGGTGGAGCATGTTCAGGGAG	16672
GGGTGGGAGGGCAAGGCTCTGCAGTTTGGGGTTCCAGAGGCCAAGGCGCAACAGCAGAAGAGAGGACAAAAAA	16673
ACACAGGTGTAAAAAAAGATAGCCCCCAGTCCTTTTTCTTATGGAGCTTAGGTCCTGTCTCTCTTGCAGAATTA	16674
GTCTGCCCTGACCTCATTTAGGTCAACTATGGGCTGGGAGCAGCTCGTGACTCTGAGCTGAGTGACCAGGGA	16675
GCGACCGTTCTCACTGAGCATGTGCAGACGGCGGTGCGCATGCTCTGTTGCGGTCCGCTTCGGTTTCTGTTGC	16676
ATATGATCATTTGCCAAGGAATATGCTGTGATGAAAACGGAGCAGTGTAAACTCAGCACTTCTCTTAGCTCGTA	16677
CCTGCCTCGGCCTCCCAAAGTGCTGGTATTGCAGACGTGAACTACTGCGCCTGGCCATCTCAGGTATTTTCAG	16678
ATAAGTCTGCTCCCTAATCTCAAGCAATAACTTTGAGGTGAAGTGTAGTGGCTGATTTGTTTCCTTTCT	16679
AGGAGACTAATTAGAAGGCAGATGAAGTAATCCAGACTAGATGATAGTAGCTGGAATCTGGGGTTGGTTAG	16680
ATCCAGGTGGTGTGGGGAGGCTGAGGGCACGGTCCTCCTGCCCAGAACGCAGGTGTCCTGTCTGCTACAG	16681
GTTCAAGGCACTAGATGGAGACACCTGATGAAACATCACTAATGAATCTGTCTCAGGCCAACATTGAGCTGTT	16682
GTGAGCAGAGCCATCAGATAAGATAGGGCCTTACTGCGGTAAGGTGCATACGTAACTCAGTGGATGGTGAAG	16683
AAAAGAGAGGAGAGCCTGGCACCGAGTTATATTAGGATGCAATGTCTATTCAGCAAGAAAGCTCACTGGCTCT	16684
TGGAATGAGCCAATTCCTCAGGTCCAGGACATAGATGCATGGCTCCTTGCCTATCCTGGGGATGTTTTTTGTCA	16685
TCTATATTCTTTTAGGAGTTATTTCATTATGAAAGTTCTGATAATGACTTATGAAAAGCCAGACTGGAAATA	16686
GTGGAAACTAAGCCTAACTCTAATTCTGAAACAAAGAAAAAGGGGGAGGGGGGACCAAAAAACCCTCTAA	16687
TCCACCTCCCTCTTATAAAGGACCCCTGTGATTGCATCAGGCTCACCTGAGTAATCCAGGATAATCTCCCCA	16688
GGAAGCTGTAGGTACATCCAGTGTTCTATAGAATTTTGCTGTTCTCCTGTAGTGGGGTACTTGTGGTCTGCC	16689
AAGCACTAAGTCTCAGCTACTCCACAGACTGAGGCAGGAGAATCACTTAAGCCCAGGAGTTCAAGAGCAGCCTG	16690
TTTCATGTTTGGCTACCTAGTTTTCATGTATTTTGCCATCGCCAGGCAGTACTTGCATAATGTGGAGAGCT	16691
CCTGTCTCGGGGTCTGGCCCTAGAATTTATGTCCAGGTTACTTATTGGAAAGTTTTCCCAGGAAGAAAGGAAGA	16692
CTTGTGCCAGGCTCAGCCAGCAGACTGCTAGAGATTTCAGCAGATGGTTCAGTTTGCTTCACCAATGAAAT	16693
ACAGTGAATGGAGCATCACGAAGCTCAATGTGTATCATGTTGAGTAAAACGGAGATGAGGAGAATTAGGC	16694

Table 1. Novel miRNA sequences

AAGGCTACTCTAGTTCACTGCAATGTCATTATGGCATTGATGAGTGTGGGAAAAGCCTAAGAAATGCTGCTA	16695
AAAGGAAACTAAGAAAACAGAGTATAGAGTGTGCTTGTTTCACTAATCAAATAGTCTGTGGCAGGAGTTTTCTT	16696
AGAAAGGGGAACAAGACAAACAAAAGCCCCAAACAGTCATGGGCTTGGTATGTGTTTCTGTCCCAGTGAGGG	16697
TTCACAAGACATTTGTTCTTTCCACTGTTCTCTACTTTAAGTGGATGAGGTTCATCTGGTTTGTTGATGTTA	16698
AACCAGCTGAACAGAGCCTTTCATGTGACAACAAAAAAACGACCTGGCTCAAACATCACGACAGGCATCTGT	16699
GAGGGGAAGGGACAGGTTGGGTTTTAGTCTCACAGGGCCTGTATCATATTCGACAGGTTTTGGGGGAAAGCTA	16700
CTGGAAAGCAAGCTGTTCTTCCCTGACAAGCACTTGGTGGTCACCAGAGGCTGGACTGAAGACTTCTTTGC	16701
AATTCAGTTCTTCAGTGATAGATCCCTGGGACTCCTGATTACCAGGTAAAGTTATAGAAAATAGTTATTGAAGA	16702
CAGTGGTGCTGAGGATGAGGCAGGCCTGACTATAGTTGATATTAGGACTGTGTTTTCACCACCGTGTCTACA	16703
GCAACCTAGGCAGAAGTGAGAGGCTCCAGCAGTGACAGCAGCACATTGCAAAAGCACTTTCTTTTTCTTGTC	16704
AGCCCAGCATGCTGAGAGCTACCCCTAGACCCTGACAAGCTCAGTGCTTGCACCTGCCTCAGAGAGCCTGGT	16705
CATGAATGAGAAAATGAATACAAAAGTGGGACTTGCATACTAAATGCAAAATGTTTTGCCTGTTTAATTTTCAA	16706
GAGAAAATAGATTAGTGCCATGAAATGGGATCCCCTTTCCCATTTAAAATAAATTTTAATGCTCTTGTTGAAAGT	16707
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AGCCAGTCCAGTGAAGGGTCCTTGGATGAAAGTGACTCAGCAGAGTCTTACATCTTTATAGGAACTACCTGTCA	16711
GCACCAAAGCCCCCATTGAGGTTCATGGTTGTTAAGTTAACGTGAGACCCGTATAGTGCTCGGCTTTTCTCCAG	16712
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TCGGCCTCTCAAAGTGCTGGGATAACAGGTGTGAGCCACTGTGCCCAGCCTAGCATTTTAAATTTTGATAGAT	16716
TGCTGGGCTCCAGCCCGAGGTCCCTGGGTCCTCCCTGAGTCAAACCTGGGCGGGGGGTGTGCTCGCCTTCATG	16717
GCCATGCTTCCCGCTGCCCATCAGAACCGGCGATTTTTGAATCTCTCTTTCCACGGCAGTAGCTCCTGCAAGAGC	16718
GTCTTTGCACTGAAAGATGACCTTCAAGTTTGCTCCTTTGAGATACCAAAATGTCATTGTTTCTGTGATTAA	16719
GAATTTGACATTTCACAGCAAATGGGGCTTGGCAAGTAAAGGTGCCGTGTGATGAATCAACAGCAGACTCA	16720
CCCTTCATGTACAGGCCAGAGGTTGATAGGAGGGGCTTCCTTACCAAATACTGTGGTCATATCGTCATCC	16721
TCGGCTCCTGACTCTGCCAGGTAGGGCGACCTCGTGGGTGGCCTGCGGGGGTCTGCGCCATTTGGGTAATGGAG	16722
ATGCATGTGCAAACCCATGCACCCACTCACACACATGCATGCACACATAGACATATGCACTCACTCACA	16723
TGCCTCCCGGGCCGCAGCGATGAATTCCGCCGAGCAAACCGTTACGTGGCTCATCACTCTGGGGGGTGCTGGAG	16724
AGTATTCAGTACGTCACATGAGCTATTCAACGCTGTGTTATAAAATATGCTCTTGTGTGAGATGATTTTGCCC	16725

Table 1. Novel miRNA sequences

TGTGACAAGGAGAGAGGGAGGCGGGTGCCTCCGCCCTGCCCTCTGTGCCTGGCCATGGCCTCTTTTTCCCAG	16726
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GCCACAGCTCCGCGCCCCCTCCCCGCCCCTCGCGGCTCCCCCACCCTCGCGTTCGGCAGCGCCAGGCTGCGCT	16729
GCCCCCTCCTCCTCCCCGCGCCCCCGCCCCCCCTCCTGCATAGCGTACGGATTCAGGAAACACGGCAG	16730
GGGCCTGGAAGAAATGCTGTGCCATTGAACTTAGCAAGCATCCAGTTCTTGGCTCACAATCAGTAACGGTG	16731
AATCTTTCTGGCTCAAGCATTTGGAATGGAGATGGACTGAACCCACTGGGCGTTTTAGTTGCATGTAAGCCG	16732
CTGGGGAGCCCCTCTTTCCTTCGCATCCATCCCGGAAGCTCCTCGAGTGGAGAGAGTCGAGGGTCGGCAGGA	16733
GCCCGACCTCGCACTGCCGCGCGGGCCGGTCCCCCCCGGCCCGGGTAACTGGGACGTCCTGGGAAAATAAATT	16734
ACTTTTCTTTTATGAGATCAGAATGATTTGTTGTTCTGACATCATATCAACGGATTGAAACTTGAACCAGGC	16735
TAAATAGCAGCACCCTTTGAAGGATCCTTGAACCATGACCACACCGCAACAAAGAGTCCTTCATCAAACTCGCT	16736
CCTGTGAGGACTCTGGGATACTCACAGACTGAAGTCTGACTCCTTGGTAGTATCCACACAAGATTCAAATTCAG	16737
GTTTATGAAGCTGTTGACGCTGAAGCCTCTTGCTAATGATGGCATCTCCTGCATGGGCACCTTTGTGCTC	16738
TAGAGACTGCCAGAGCACGTGACACCAGTATAGCAGAGAGGCTGGGAGGAAGCAGGTCAGGGAGGCAGCC	16739
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GCCCCTCCCTCTCTCCAGCCAGGTGTCGATCAAGTCCTCACCTTCTCTCCAGCCAGGCGTCGATCAGGGCCC	16741
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GCAAGCATGGCGAAGGCCCGCTCCACATTGACTGCTCACATCACTGTGGTCACTTTATTCTTTGGACCATG	16744
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CTCGGGGTGCCCTGCGGGGAGCCGGCAGAGCTCGGAGGTGCGGTAGGGTCGGTCGGGCTGGGCAGGGGTGGGG	16748
ATGTTTTGACCTCTGGCACTGTCAATTTCCTGGGAATGGCAAGAACAGGAACAAGGCCAGGCTTGGAGGAGCA	16749
CCCCACCCAAATCTCATTTCAAATTGTAATCCCCAATGTTGGAGGTCAGACCTGGTGGGAGGTGTTTGGATC	16750
CAAAAATTTTGATGTGTGATGGATTCTATTGGTCTATCCATTGAAGCCTTGCTATATCAAGATACCTTTT	16751
CCCCGGTGTGACCGCCGGGGGCGGCCCGGGGCCGCTCGGCGGCACCTCCACACCCGCCCCAACGCGTTCTCTG	16752
GGCCTGCGCCCAGGCGGCGAGGGGCCCAGCCCCCTTCCAGTCCTCGGCTCCAGGGCGCAGGGCCACGAGCT	16753
TGGTTGTAGAGTAGTTGCAGACGTCACAGCGGTAGGGTTTGTAGCCACAGTTGTAGCTCTCTCCACGAGCAA	16754
TGGGACAATGTAGGCTTGCAGGAGAGACACTGAGAGTGGAGAGATTGGCTGCAGAGAGGCTGGTGGAACCGC	16755
TATACACATATACATGAATATACACATACATGTATGTATACATGAATATATATGTGAAAATGTTTTGGCAACT	16756

Table 1. Novel miRNA sequences

GGAGCCCCGGGGCCGAGGGAGCTGGCCTGCCAGCGGGGCGGAGGAAAGCTAGTGCCAGCCCTACCAGGTTCC	16757
TGCCAGCAAATTGGGCCTCTTGCCCATGGCATGGGGACTCACTGTAGGGGCTGGCACATCCTTTGGCAAA	16758
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GCCTCACATGGTCATATTGCCTCTGAAGGTGACTGGCAGTGCAATCAAAACCTTCAAGAACAGGCCAAGTTTA	16760
CTCAGTCTCCCAAAGTGCTGGGATTACAGGCATGAGCTACTATGCCCAGCTATCCACTCCTTGATTGATGGA	16761
TCTGGAGAAAATGAAACTGGACTTGGAGTCAAGACATCCAGTGCAGTCCTGATATTCTCTAATACATGTA	16762
CAGTATGACTCGTACTTTTCTAGGAGGTATATATTTGCTCCTAATTAAAGGACACTTGCTGCATACATTTCAGG	16763
GGAGACAGGTTTCAGGTCTGGCCCTGCTCCCTACAGCCAGCTGGCCTCTGCTAGATCGCTTGCTTCTTTTG	16764
TGTTTGTCCAGTGACTTGCTCCTTGCAATTACTAATATTGCTCAGTAAAGAGGGCTAAGTTTTTCACTCTTTC	16765
ACAGAGGCCCTTGTTTGAGTGTTTACTAAATAAAGGTCATGAAAATAATGGTTTCTGTTAAGCAGTGGTATG	16766
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TAAAATTAGAAAGCTTAGAATTACAATATAAGGCCCCTTGCATCTAGGCTTCTGAATTCTAATTACTTCTCA	16768
CTAAATATTGCCTAAATTAGATATGGATTAGACTCAAAGTATGATTCATCCTGAGGCAAATTTCTCTCCATC	16769
CATGATTTTATTACTTTTGCGCATATAGTATATAATGTAGCTCTGAGGTAGTGTTTTCATTAACTAACTTT	16770
ATCCAACTTCCAGGGGTAACAGTGGTGGATTCAAAGGAAGGGTCCAGTACTTTGCATGTGTGGAGTCCAGC	16771
CTTTTGGGCAGAAATTACGGGGTTTTCTAGGTAGAAAATCATATTGTCTGCAAACAGAAATATTTTGACATC	16772
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CCTTTGACTTACTTCTTGAGTCACCGTTCAAAGACTTCCCTGCCGGCAGGATAGGGGAGTGAACAGGGGCCCAG	16780
GACAGATCATGAGAAGAGTGAGTACAGTGCAATAAGGTCTTGAGAGAGACTACATGCATATACATATATATA	16781
AACCGCGCCCTTTCCTGTCCATCTTGGAGCCTTTGGGAGAATTTCATGCAACGGAACTCATCACAAGGCTC	16782
GGACTGCCTTGGTTGAGGCAAGATAAGAAGCCCAGAGCCCAGACTGATGAGCCATTCTCAACCACTGCCTCCAA	16783
CATGCAGCTATTAGATGGTCAAGCTGGGATCTGAAGCTAGATAGTCTGACTCTGGTTCTCCACTCTCTACAC	16784
CAGCCTTGGCGAGCGCGCGGCGGGGCGCGGGGTGAAGTCTCGCCAGGGCGCGCCGCGGCGGACACCGAGCCAC	16785
ACTCCATCATGTGTGGTGTTCTAAGTGGGCAATGCACTACTTAGAAGAGTCTACAAGGCAAAGACACTGGCTGT	16786
TTCTGCTGGTTCGCAGGCCACATTTTGAATAGTAAGGTCCTGAGTACTGCCTTCATTCACATGGTTGAAGCAGT	16787

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Table 1. Novel miRNA sequences

TGTGACTGCAAGGTGTCCAAGTTCTTGGCATTTTGAACAAAGAATTGGACAAAACGCCCACCAAAGCAAA	16788
TAAAGAGTGCATATGGGCTGGTCCGAGTGCAGTGGTTTATGACTAATTAATCACAACCAGTTCCAGATTTCTTT	16789
CTCGTTCTTTATATAGACCAGTGCTGTCCAACAGAAATTTCTGTGATGCTGGCAATGTTCTATATTTGCAA	16790
ACTCAGTATGGATTTGAATCATGGAAGCTATAAGGCTGATGTGTGGGAGTTAGTCACTTAGTGAGTAAGAACA	16791
GTAAGCACTAGATACTTACAGGGATTGTAATCAGTAAGGGAGATAACATACATAGTGTTTGGTGCAGGCCTG	16792
CAGTCTGGATGGCCACTTGTCATGAATACCAGCAATGGGAGATACACAGCAAATCCATGCATTTGATGGCCCTC	16793
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GTGGAACAAGCTTTGAGATGGGAAGTGAAACCCCAGACTCCATCTAGAGCAGCGCTGGCTCATTGAAACAAAA	16795
CAAGCATCAGATGGAACTAAGAGTGGTAAATACAGAAGCTTATCAGACTGGATGATATTACCTTAGATGCCA	16796
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GGACAAATTAATGGGATTTCCAGTGTTGTAACTGGAATCATGAGTGTCACGTTACAATGGAAAGCATACATG	16804
TTAGAAATGCAGTCTCATGCTGAGAGCTATCAACAACTTGGATCTAGCCTGAGGCTCAGCTTTTACTACC	16805
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GAATCTAGCAGCACGTCAAATAGCTTAAGCCATGAGCAAGTTGGCTTCATCCCCAAGAGGCAAGGCTGTTTC	16807
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TACTTAGGTGATGGGATGATCTGTGCAGCAAACCAGCATGGCACTCATTTACCTATGTAACAGACCTGCACA	16809
CCATTTTGACATACGACTTTTCTTTGGCTGCTTGCACAAACTTAGTGGCTTAAGAAAAAAACCACACAAAATTA	16810
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TCTGTTTCCAAGATGGTGTCTTGAATGCTATGTCCTTCAGAAGAGCAGAACAATATACCCTTATAATAGTGGAA	16812
CCTGAGTAAAAGTGACCCGGCCTGCAGCAGTTCACCTCTTGCTGCTTGGTACTCAAACAAACAAACAAACA	16813
GTGCCATATTGAAGTATGTAATAGTACACTCTATTGTTTTAATAAGACTATTGCTTCTGGATGGTGATGAC	16814
ACAAAAAGACTAAAAGAGACTGGTGGTGTTTCAGGTTTTCAAAGACTTGGGTACCTTGCATCTTTCTGTCTA	16815
CAGATAATCACATTTTTTGACCTATTGGAGTGAGCTAGTGATAGGCAATTATGTGATCAGTTTCTGGAGATAC	16816
TTCACAGTCACTCAGGGTCTAAGGTAGACACTACCATCTTGGAGCTACACCACGGGGTATTTGTGGTCTTCA	16817
CAAAGCCACAGGGACGGAGCTGCTCAAGGTCTTGGGAGCCCAACCCTTGCACCAGTGTCCCCTGGATGTGGG	16818

Table 1. Novel miRNA sequences

TCCAGCTGGGAAGATGCTAGCCTCGAGATAACCCCTCTTAGGACCCGAAAGATGTCTGCCCCAGATAACCT	16819
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AACAAAGCTGATGCATCTGACACAGGAATGGAGCCAAATTTTTCCTTCTTTGCAAAGAGTACCAGTGCCCTG	16821
TTCCACTTAGCATGCCCGAGGACAAAGGCAGTAGATTAGCAATGTCTGGGTGGCATATGGACCTTGCCAAGTG	16822
GTTCCATATTAACCCCAGTTAGCTGCCAAGCCTGAAACAATAACTCAGTCAGGTGCTTGAGTGGGCAAAGTA	16823
CCATCTAGGATTTTCATTGCTGAAGAGAAAAAGTCCATGCCTGCTTTAAAAGGATAGACTGACTCTTTTGTT	16824
TCCCTGAAAGTCTCTGGATCCTTGTGAGATTCCTCCTTATTTTAGACATCTAAAAGCTCCAAGACATTCCCT	16825
TACTATATTTGTATAATTATACTATATGTGTATAATGTATGAAATTATACTACATATGTATAGTATATGTAATA	16826
GTGTTCACTCAGTGATCCTGGGGGTTGCTAGAAGCTCCATTTTGGATCCCACTCCTGACATCATCTGATA	16827
TGTCGGTATATATGCATATAAGTATGTGATATATATGTATATACAGACGTATGCATATATCTATATGATGGC	16828
GGGTGCAGCATATCATCATGGCCCGTGTATACGTATGTAACAAACCTGCATGTTGTGCACATGTACCCTAGA	16829
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CTTTAAAATGATGTATACGTTGGGCATTTATTTTAGATATATGAAAACTATGTTCATGCTAAACCTGTACATGA	16843
GTCACTGATTCTCCACAGAAAAATTGTTCCACATAGAAAAAAACTATACTGGACTTGGAGTCAGAAGACTTGAG	16844
TGTGATTGGCTTCCTTGACTTGACCTGATGATGTGACCAGTGCAGGCACAGGGAGGTGAGCTAGCTGACCCA	16845
GGCAGGAATCAGGGATCAGCGAGTCAGGTAGAGGCTAAATGGCACACACCGATTTCTGGAACAGCGAGTGCC	16846
AGAAAATTCTGAAAGCCAAAGTCCACAAAGTAGGTTGCCATCACCCAGCGAACAGGACGTTGGGCTGGGCTT	16847
GAAGTATGACTGGTCTGAGTGCAGTGGTGTTTACAACTGATTGATCACAACCAGTTACAGATTTCTTTATTCCT	16848
TCTGATAGCTTGTAATGCAGATGAGAAGTCTGATGCCATCTTAGTACTTCTTCATGGGTGACTTGTTTTTC	16849

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Table 1. Novel miRNA sequences

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CGGTGGCTACAAGGAGCTAGCTACATACATAGTTGCTCATGATATAACATGGTCTTCAGTCGCTAACACTTT	16854
AGTCATCATTCCCTGAACCTCGCTTCCCTACCTCCAAATCTGGGGTAGGTCTCCCCCTGTGAGCTGTCATA	16855
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TCTAGACAGTACTAAAGAACAAAACCAATCATGATTCTAGTATCAGACTGATTATGATTGGTATCAAACAGT	16868
TAGGTGTGGAGTTTTCCCAGAGGAGGGGATGTCATTTTCTCTCTGGGAATGGGTTCTGGACCCATTAAGTA	16869
GAGTTGCCGAAGACCGGGAGAGTGTGTTTTCATATGGAAGGTCACATCTATGCATCAGAGGCTATTTATCTTT	16870
TGTTGCCCCTCCCTCCCACCCTGCCATATAAGCATCCTTTCTATTGTGGGCAGGTAGTGCTACCCCAGGA	16871
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CTACCTCAGGTGAACTTTGTCTAGTGCTTCCATCGGAAGGACTAGGTGTCTGAATCTGGGGCATG	16874
AGAGATGGGGGTCATGGCTTGTTGGGGGGCAGTTTCTGGACCAGGAGTAGCTGTGGGCTCCAACACTGTCTC	16875
AGTTTTTCAGTCTTTACCATAGCAGGATGGTATATAGTACCTAACTGATTTATTGAGGTGTGATTAACATAC	16876
CAGAGGGAGAATTACTCAAGAGACAACTGAATAGAGAGGTACTTTGCTTCTAGTTTATGTTCCCCTTATA	16877
TTTTGGATTGATTGAACTTTCCTTTAATCTCTTGGATTCCTCCTACTGGTTTGGAATTTTTTCTGTTAATCGA	16878
CAAGCACCTGTAGTACCAGCTACTGGGAAGGCTGAGGTGGGACGATTGCTTGAGTCTGGTATGTTGAGGCTGCA	16879
CACTAGAATTAAGCTCTGATGACAAGGATCTTTCTGTGCTGTTCATAGCTTATCTTCTAGTACCTGGCTTAGTT	16880

Table 1. Novel miRNA sequences

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TATCAGGTGGGTGGGGTCCCCAGTGATGCTTGACCATAGCAAAGCCCTTTCAAAGGTTTCTTAGCACACCAC	16890
ATCTGGGCCTTGTAATGACAGCCCCCTGCCACTCTACAGGGAGTTGCCCTGCTCAGCTGCCCAGAACCTTT	16891
CATTCTCCCCCTGCAAGAACAAAGGCAAAATGAACAGTGAGGAAAACCTGGAAACAGGACCGAGTGTTTGCT	16892
TAGGACTGAGGAAAAGGTGAGCCTGGGGTACTGATTAATCTGCGCTAGTGGTTATCACACCCAAGGCAGCTC	16893
ACCCACCCGGCCGCGCTGCCCGCCGCGCGTGGTCCCTGTACCAGGCCGGCTGCTCCCTGCGTCTCCTC	16894
CATGCCGCCCACCCCCGCGGGGCTGAGCACTGAGCGCGCCGCCAGCAAGTGCCCGGGGGCCAGGCCGTCGA	16895
TAGGTTGGGGGTGGGAAGGGTTTTGAGGACAGGGTGAATGTCTAGGACTTTCCACCTCCATAAAGATGTTTC	16896
ATGCTAGGCACAGGGGTTCACAGATGAACAGATGGGATTCTGCCTTCGAGGAGCTCACAGTAGAATAAGGAG	16897
AGGCAGTAATGAGGCTCCCAGCCCCGGGAACTTTTTGGGGAGCTGCGATTGGATGGTTTAGTTATAACTGTGT	16898
GGTTTAGTGAATGGCCTATCTGGACAGCCATTTAACTGTCCACCATGAGTCACCACTGGGGGTTTTGGGCAC	16899
GCCCACTGGAGGATGAAGCTGCATGTCTTGCTGACACAGAGCTCTGCATGGCCAACTTTCAGGAAAAATATCC	16900
ACACACATTAGCCAGCAGGCACCTGTAATCCCAGCTACTCGGAAGGCTGAAGGAGGAGAATCGCTTGAACCTGG	16901
TGCCAGGCACTGTGCGTAGCACCAGAGTCACGATGTTGAACATCGCATTGGCCAGACATAAATGCACATGGCA	16902
TGGGTAATTCAGTGTAAGCTGTAAACTGGCCTAGGCTGTGGGTCTATTTTAATGCTCTTCAACCCAGAAA	16903
GGCTGAGGAAGGAGGATCGCTTGAGCCCAGAAGTTCAACGTTAGTCTGGGCAACATAGCAAGACCAGGTCTTT	16904
GCCCTGCACACCCTGAGGATTTGGGCCCAGCCACAGTGTATTTCAGCTCCCTCAGATCAGAAGTGGGTCCC	16905
GGGGTCCTCCACCACCTTGATGGTCACCTGCAGGAGACAGGCCAGGCCGGCCAGTGAAGGAGGTCTTAGAGC	16906
AGATGAGGTGTCAGAATAGTTAGGGCAGGTGGGGAAGAGTAGTGGCCAGATCATGTATGGCCCTTTAACCT	16907
GGGAGGCCAAGGCAGGTGGATCACGAGGTCAGGAGTTTGAGACCAGCCTAGACAATAAGGTGACACCCCGCCTC	16908
GAGGAAGCAGCAATGTGCAGGAAGCACTGTCTCCAGCAGGCCCTGCTAAAATACAAGTGTGTTTTTCTGAGAG	16909
TGAGTGTCTATGAAGCACTTGCTAGTCCTTGAAGGGGAATGCAAAGCAAGGATGGGACATATCTTTGTCTT	16910
CATGGAAAGAGGAGAAGTGTGATATCTTTCAAGGACACAATTTTCCTCCAGAAAAATCCAGGAATCCTCATTTT	16911

Table 1. Novel miRNA sequences

AGATTGACTTTGTAATGTACATTAGGAGAATATCTCCTATGAAGAGCATCCCACCAAGTCAGGTGGAGGC	16912
AAAATTCGATTTGTAATATTTGACAACACTGGTTAGTCAGCCCTAACCTCACTGATATATTATGAAGATGAA	16913
TACGGGTGGTGCTGAGGCTGGTCCCCAACATTGGTCTAATGGCTGAGTATATTGTGTGAGCACCATTTATTC	16914
AAAGATGCCGCAGTGGTCAGTTTGTCAAATACCTGGCACTACTAAGATGCAAGATGGGGTCTCGCAACGGG	16915
TTTCCTCTAGCTCCATTCCCTGCTGTAAATAATTTCCATTGAGAGCAAGGATTGGGTCTAAGATCTATTT	16916
TCAACAGCAGCACCACGTGCTTGAGCAGAATGACCGAGTCATAGAGAGCCAGGAAGAGGCAGTTGGAGAAAAA	16917
TAATGGTTTTTCCTTTCCATATTTAGTGCTTCCTTCAGGAGCTCTTGCAAGGCAGGCCAGTGGTGACAAATT	16918
AACCCCAATAGTGGGGAGAAGATTGTGGTGTAACTGAAATTTGGGATTACCCATTCTCTTCTTTCCAGAT	16919
CTCGGGGGTCTCTGGTCAACTCCACGAGTGATAGTGGGTGAAGAGTGCTCCCGAGGTGAAAAAATGGGAACA	16920
AGCCCTTTGATGAGTTCCTGGAAGTCTCTTTCTCTCTTATCTGAGGGGGGGTCACAGGAGGCAAGAGAGCT	16921
ACGAAGCTATGTCATTCCCATGGTTTATACTGAATACCCTAGGTATATCATGAGGTCTTTAGTTTTGCTGGTT	16922
AAATTACAGCTGTTTTCCTATAGATGGAATTTTTCCATGAAGCTAATGAAGCTTAAATTTTGGGAATCTTCATTTTAC	16923
TGTATTGGTGTCACTGCATGTAAGATGGGTCTTTTGATGACTGCATATCATTGGGTCTTTCGTTTTGTTCAGAT	16924
CCTTACTTGACACTTGGTGTAATAGCCAAATTTGCCTTAGACTGTGTGCACCATGAGCTGCAAGCAGGCCAGC	16925
CTAATGTAATGGTGCTAGGAAGCAGGACCTTTGGGAAGTATTTAGGTCATGAAGTCAGAGCTCTCATAGATGA	16926
TTAAATAAAAGTGTGCTGTTTACTCCAGAGAGTAAATAGATTGATAATGATGTTGTATGAAAAGCACATGATA	16927
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AAAGCAGGATTTTCAGTTAATGGGTGTATTTGGCATAATGTTGACATCTACATTGTAGTAGAAACTGTCTTT	16930
CAAATAGAAGAGGTATGCTCTGGACGACTTATGGGACCAAACATTCCCACACTGACCTAACTGGAGTGCCACA	16931
ATTAAGCTGAATAGAATATTATTTGTTGCCTTACATATAGGTATGATTTCAAGTGATTGTCTTTGCTTA	16932
CCCTGAGCACCGAGAAAAAATGAGTGGCAGGCAGCCAACAAGAACTGCTAACTCAACATCTTTTGAGAGTGGA	16933
TCAATCAAAGCCACTGACTCTCAGATCCTGCAGCATCGTTAGGTGCTGACCTAGTCCGGTTGTGTTCCCA	16934
GGTACTCCACCAGCTGGCACATTGCCGAAAGCTGAACAGGCCTCATGCCATATGTACATGGAAAAATAGACCT	16935
AACCCCAGAGGATACTTAACTGTCTATACCAAACAAAAGGTGGAAGGGTTGTCTGTTTCACCCCTGGACC	16936
GCTTCTTGGGTCATGGACCACCATCTTCTCATTATAACCTCATAAGGCGGAAGGGGCCAGGGTTCACTCTGGGA	16937
AGAAAACCAAATAATTGACTGGTCAGAAATGCCAACCCCGTTAAGGCAGTGTTCTGAATAACTACTAATTGT	16938
CACAGTAGACCCCCAGCAGACCACCAGATCACCAATTATACTGACTGTGGTCTCAGAAGCTTCTGCCAGGGGG	16939
GAAAGACCAAGATAAGGGTGCGGGGGGTAGCCAGGCCCATGGCCACTCAAATACTATGTTGAGGAACTTGGACTT	16940
AATTGTGGCTCAGGCCTGTAATCTCAGCACTTGGGAAGGCCGAAGTGAGAGGATTGCTAGAGCCTGGGAGT	16941
TCCTTCTGCTGTTTTCATTAAAATCTCAAGAATTGTTCACATTGCCAGGAGCAGTTCTTTGAAAACAGTCTGA	16942

Table 1. Novel miRNA sequences

GGAAATGCTGCAAGTCTGCATGGGAGCTTGGTGAAAGTGCAAATCCATGCAAAGGGAGTTGGCTGATTTTTAA	16943
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TGCCATTCTACCAGCTTCCCTTCACTCAGTGCCTCCCATGTATCTATCTGTCGCACTGTCCTGAAAAGAAGAGG	16945
TAGATTTCATGAGGGTGCCGTGACTCTACTGCTGGCAGCTGTAGGATCACAGGGCCTCCCTAATGGTAGTGG	16946
ATAATTAGAGATTGATTCCACTGTTAGCCTGGCAAGTGGTCCAGCTTTTAGCGTGAAGACAGGATCGGTTCTC	16947
GTTTTTCTTTCTAATTTTATTTCCATTTAGTTCAATGACACTGTTAGTCTGGAGTGCTTGTCTTTGGGGGTA	16948
CCCAGAGCAGGGTCTGGAGTGGCAGGACCGGCAGCCAATGAAGGTGAAGGCCGAGCATTACATCATCACCGTG	16949
TCCTCAGCTGCTCATGCCCCAGGTAGCTCCAGGTGAGTCCCCACAGTGGAGGGGCTTCCCTGGGGCTGAGCT	16950
TATGTCCCTGTGTAGGCATGTCCAGGCGCAGGCGTGTCCAGGTGCAGGCATGTCTAGGCTCAGGTGTCTGTT	16951
CATGCAGATGGGGTAGCAGCCAGCCAGAGCTATCCCTGTGGTGATCAGTGGTCCAAGGCTAGCCCCTCCC	16952
CTACCTGCCTCATAGGGCTTGTCTGGCTGTTTTATAGCAGCAAACATTGAAGCAGGTACTTTTACCCCATGAA	16953
GCCTTGGTTGAGGGTCCAAGTTTGGTATACCTAAACTTGCTCAACTGCATAACCGACAACATTAGACAGAA	16954
GTTTCCATAGGTTTTCGAATGCTTGAAATACCACTACTGACTGTGTTTGTTGGAAACCCTAATTTGTTGGAAG	16955
TCTCCCTGCAACTCGGCTTTAAATAACAAGATTATTATTTTTGACATGTTATTCAAGCTGGGATTTTTTTCCC	16956
AGACCCAGGAGCTAGCTTCCTCTCTTTCTGCCTTGTGAGGATACAGTAAGAAGTTAGCAATCTGCAACCTGGA	16957
GTTTTTAGAGCAAACTCAACGCAAAGTCTGGACTGGGGTTCTAGGGCCCCAGAGGCCCTCTCTGCTCCGCATGC	16958
ATGTCAGCAGGATGCTCAAGCAGCCCATGGAGACACCCATAAAGTAGGGGACTGAAGCCTCCTACCGACA	16959
GGCTTCCCTTATTTCTGGGGCCCCTGATGCTCCAGCTCTTTGGGCTCCAGCTCTGGGGGCCGTGTTGGAAGC	16960
GTCACAGAGCCTGTTTCTGTAGGTGACCAGGTGCACTGCAGTGGCCTGGCGTTTGACACTGGAATGGCTGAT	16961
CACCACAACTAAAGTAGAAAGACAGCAACGTGGGCGGCGCTAGGCAGGCCTTACCACTGTCTGCTTGCCCCCAC	16962
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GGCTGGTCATTCTTGAGGGAGAGTATGGATTTGTTGGAATAGGAGGGACATCCAGAGGTGGCTGAGCCATTTGG	16964
GGGACAGCGTGAAAGGGCCTGTGGAATCCAAGAGGGCGCTCTCCCTCCCTGAGACCCTGACCTCCAAAATT	16965
TGAATGTGGAAAGTGCCCTGTTGCAATGATGAGCATCCATTCTGCACAGGACATGCCCACTACCTGCGGC	16966
CAGTGAGCAAGCCTGTGGCTCAGTTCAGAAGGACTTCTCCAGGAGCCTCACAGGCAGTACCGAGGCTGCTG	16967
ATTTCCCCTCCTATTCCGGTCACTGGTGACACTGGGGGATGGGAGGCCATTCCTTGGCAACACTTCTGAGACTG	16968
GCCCTGGCCTGGCTCTCTCTGGGTGACCCGCACTTGGCGGCCGCTCCTGGTAGCCCCTTGCTCTTCCATAAG	16969
TGGCCAGGCTCATGGAGATGCTCACAGGGGAGAAGAAGATGCTCTGGCTGGGGGCAGCGGAAGCCAAGGCCC	16970
TCCCCTGCCCTGCAGGCCACACCAACTTAACCTCTCTGAGGATCATGGGGGCAAGTGCATTTAGCAACCTGC	16971
CCAAAGTGCTGGGATTATAGGCTTGAGCCAGCACCCTGGCCTCAGCATCTTCAATGTATTTATCACAAGCATGG	16972
TCACTCGATCACTCAGGCTGAGTGCAGTGGTGCAATGATGGCTCACTGCAGCCTCAACCTCACAAGTAGCTGGG	16973

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Table 1. Novel miRNA sequences

CCTTACCATGATGCCCTGGGTCCGCCCCGCCCACTCTTCTTTCTTGGGTGGTGGTGCTTTGTGACTCTGTCACA	16974
TGCTTGAGACCTTTTTTTTCCAAATGGAGAACAGTACGTTCCATTTACTGAGCAGGTATTAGGTGCTAGTCA	16975
CACCCTTGGGGAGGGCTAGAAAACCAGGCTTGGAAGCTACACATCCAGGACTGACACCCCAAACTATCCTGAAG	16976
TGGGCTGAGCTGGGATTAGACATGATGAATGTATAAGATCAGAAAGATGCTATGACCTTCTCCAGCGGCACTCA	16977
GATAAGGTGCTGTCACTTTCCATCCACTGCTGTGTTCAAGTATCAAAGCACTTGGTTGAAAATGCCAGGCAGT	16978
ATGTTAGTAATGGATTTGAGATGGTGAGTTTATGGGTGCTCACTGTAAAATTCCTTCAAATTTGCTGTATGTT	16979
TTTTTCCTGTGGGGCCTGGAGAGAGTGATGTCCACAGGCCAGACCTTAACATTCCTTTCTGCTGACCCCAAG	16980
GATACGGAGTAATGCTCTTGTTGCCCAGGCTGGAGTGCAATGGTGCGATCTTGGCTCACTGCAACCTCCG	16981
TGAATCTGCAGTGGGCAGATGCAGAGGCCGTTGCTCCCGTGGACGGTGTGCTGCCCCCCACCAGAACCTTCC	16982
CTGGCATGAAATCTTACGGATCTGCATTTTCTGCAGGGCTGTAACAACAGGTTTCAACTTGATTTGCCATCC	16983
CTTTGGTAGTCATTCAGTTATGTTTTGAAAAGACAGTTTTTACACTGTTTGTGGGACTGTAAACTAGTTCAACC	16984
CTGTGTGTCCAGAGGGATTACTTGGCACAAGGCTGGCAGGGAACCCCACTGTGGACTCATCAAGATCTCT	16985
TCAAGGGTTGAGAACACAGCAGGTCATCGTCAGAGCCAAGAGAAGGCCAGGCCTCTGTGGGCCAGGCCAGGA	16986
AGAGGGTGGTGTTGGATGTATCTGCCTGTCCATTCCCATTTTTGGCCATGGTCCATATTGCCCAGGGTGA	16987
TAAATGTGACTGTTTAGACCATACCCACCGCTGTGCTTGAGCACATCATCTCGCATTCCTAAGTCACACCCTT	16988
CTGGCCATGGAGCCCTTGAATGCCAGGGTCAGGGATGGCTCAGTTCAGCCGGGCCCCAAAAGAGTGGACCAG	16989
CATCATGGAGCAGGGGAGCAAGGGGAAGCTACCGAGGGGTGACGCTTGAGCCAGCCTGGACGAGCCTGCC	16990
AGAGGAGACACAGGCTGCAGCTCTTGCTGGGGACATGGTAAGGCTCTGGGATGGGGTGCAGCTGTTTCTGGA	16991
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TCCAACGTGGGCTTTGTAAACATTTGTTGGATGGCTGAATAAACAGAATGAATGAATGAATGAAGAAGAGCCAG	16993
CCTCCCCTGCCCCTGCAGTTTGTTTGGGTAACTCAACAGCCTGCTGATTTATGGGACATTCCGCAGGGTTTTA	16994
CTCCAAGATGTACCGTGCGCTCCAGACTGTGTTTGGTGAGAGGTAAGGAGGTATGGTGGAAGGCCTGGGTGGGA	16995
ACCTGGCCCAGCCTCAGTTTCCCTCAGGATAGCCATAAGAGGGAAGCAGCGAAGCCGGCACAGTGGGCAGGA	16996
GAGGGTCTCACGGAGCCGCTGTCTGAGCTGGGGTGGTGACGTCTGTGGCAGGAAGGATTGTGGGGTTGATG	16997
GTGAGGGCGATGGGGGAACATGGAGTGACTGCTAGTAGGTACTAGGGTTTCTTCTGGAGTAATGCAAAGGTTCT	16998
CCAGAAAACATCCAAGGTGGCAAATCTATGGAGACATGATGTAGACTAGCAGTTGCCAGGGACTGGGAGGAG	16999
AGTTTCAGAGAAGTGAAGCGCTTATGGAGGGTCCCACAAGCAGTGGGAGCCGGGACGCAGGGCTGACTAC	17000
TAGGCAGGCAAGATGCTGGCCTGAGGGTTCAAGGGGAGCCCCAGGGACTGGTGTGAAGTCTGGCCTCTCCCT	17001
GGCCGGTCCCTTTACCAGTTCCTGGGCCGCCACCATGTGGCTGCAGCATAAACAGTTCAGTCCCTGGGCCCC	17002
GGCGAGCCAAGGGGCGGAGGCCTGGCCAGGCAGAGGCTCCGAGGCCAGCCAGGCCTCCTAACCCTCCACCCTGG	17003
AAGGAGAAGCGGCTGTGCAGACAGGGTGGCAGGTCTGGGGCTAAGGCAGGGTTCTGCTCTCCCTGTGACACA	17004

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Table 1. Novel miRNA sequences

GGGGTTGGGCAGCAACGTCAGCACAGAAGGCTTCGGACTAGACTCTGAGGTTTGCTTGGTGCCTGGAAGCTG	17005
TACTTAATGAGAAGTTGCCCGTGTTTTTTTTCGCTTTATTTGTGACGAAACATTCGCGGTGCACTTCTTTTTCAGTATC	17006
GAGAGCTGACCTATGGGCACACAGCTGGCAGGTGGTGTTTGCCACCTGGTCTGCTGATCCCGCATCTCCCA	17007
CCCAATGGGCTCCATGTTTGATGGGTGCACTGATGGCTGCACAAGACATGGTTCCCCTCTCCAGGGCTTTCTCT	17008
GGTCTGTGTGTGCGCGCGCGGGAGCAAGAGAGGGCCCCCTTGCCTCTCCCGCCGCTTTCCAGGATCCCGC	17009
TCGCCCCCAGCCCGTGGACGGCGCCAGCTCGGAGGAGTCAGGGAGCAGGACGCGGGGCCAGGGTCTGCAT	17010
CACCTCCATCAGAGCTGTTGGTTGACTACAGGCACTGTCATGAACAGTAATATTTTGAGAGAAATTTGAGCA	17011
AGCCGGCGGGGGGGTGCCGTCCTCCTCGCCCTCCCTGGAGCCCGGCCCTGGGCCCACGCCGTGCCCCGAGC	17012
CTTACTTACTTACTTACAGCCTGGCAACAGGCTGAAGTGCAGTGGCGCGATCTTACTTACTTACTTAC	17013
GCTGGGGATCCATCTTCTTGGTGGTACAGTCTCCAGCATGGGGGTTGCTGGGAGATGGGTACTTACCTGTGCA	17014
GAGGGTAGCTCATCTCTGCAGCTGGTCATCCTGTCTTCAGCTCTGCTCTGGCTGAGTCCTGGGCTTTTATGGG	17015
CACCTCAGGCAGGGGGGGTAGGCCTGCGGGTGCCAGGGCGCTGCTCAGATCAGCTACGTCGTCTGTCAAGAGTG	17016
GTGAGGGCAAGGACAGGGGACTGGTCTCCCGAAGGAGTCCTCCTGTCCCGGGTTTCGGCACCAAATGTCAC	17017
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TCTAAATACAAGTACATGCAATTCTCCCTTAATAGGGCTGTTATTTATTTGTATTTTATCTTTTATTATTTT	17019
AGGGCTGGTGCAGGAAGGAGCTGGCAGCAGCACGGCTGTCACCACCCATGTACCACGTCTTCCAATGTCCC	17020
GGGACACAGAGACCCAGACCTCACCCCAGCAAAGCCCAGGGTGCAGGCTGAGGGAGGCTTCCCAGAGAAGGAG	17021
GAAGCTCTGGTAGGAAGCTAGTGGAAGCAGGTGGGGTACACACCTGATGTCGGGGTAGCTCCGGATAAGAGT	17022
GAGGGTCCAAGGCCTACCTCCTGCCTCTGGTCTTCAGGCCCCCTGGGCAGTCAGGTCTGGGCTGGGGTTGCTCC	17023
GACAGTGAGGACAAGGTGCCAATGGTTACTGTAGCCACTGTTGGCTCTGTTAATTACACCACAAATTCAA	17024
TTTCGCCGTGTTGCCCAGGCTGGTCTCACACTCCTGGGCTCAAGCAATCTACCCACGTGGCCTCCCAAAGTGT	17025
AAGGAGATCTGGTAAGAGAAAGCACCTTGTACACTGTAGAGGCTGTACAACGTGAGGGCTATGAACATTACTCT	17026
GTGTTGGGGACTCGCGCGCTGGGTCCAGTGGTTCTTAACAGTTCAACAGTTCTGTAGCGCAATTGTGAAATGTTTAGGACCACTAGACCCGGCGG	17027
GCGCGGCGACAGCGA	
CCAGGTATGGCATTCGGGATGTGTCACGTCCACGCCCCACGGAAATGTCAGTGACAGTTCGCACCCTTGTTC	17028
GGTCCCATTAGACACCAAGACCTGGGCACCGGGCCTGCTTGCTGGGTGTGGTTGCTTCCAGGCCCTCTC	17029
ATAGACTGTCCCCCGTGAGGAGGCACCAGTGGACGTCAGTCCCCAGACCCGTGGGGTGCGCTAGGCAGGGGCCG	17030
CTCACCTGGCCCCGTCTAGCTCCACCGCCCCTGCAACAGTAGCAAACACTCAGGCTCACGTCAGCTGAGTTC	17031

Table 1. Novel miRNA sequences

TGTTCTGCAGACAGGGGGACCGTGTCATTGCCGTTTTGAATTGAAACAGGCCTCTTGGAGAGAACCATGC	17032
TTTGTAAGTTCCTGAGTGGGGAAGGATCATTAATCTGTGCCTCATTGGCATGACGGAACATTTACTCCAG	17033
AGCCTGGGTCTACCTCCCAGTCAAGTCTGAGTTCACCTCCCAGCCGAGCCTGGGTCTACCTTCCCAGCTGAG	17034
CGCGCTCGGTCCTGCCGCCGCCGCCCGGCCCTCTCCCCGCCCCGCGCCCGCCCCGGAGCCGCCCG	17035
CGGTGGCCACCTCCTTGGAGCACTTAACACCCAGACCGACGTGGCCATTGTAGTCTCCGATAGCAAAGAACG	17036
CTGCTGTGTGGTCAGGGCACCATGAGGGTGTACAGATGTGCTGTGTCCTCAGAGCCTCGCAGGTGCCCTCACT	17037
GCCTGCCAGCGCCCCGGCCCGGCGCGCCCCCCAGGGCGCCCGGGCGGCGGGGGCACGGGGCCTCGGGGT	17038
CACGGTCCTTTCCAGAGCTAGGGGTCACCTTGGTGGTTAAAGATCCCCATATGGTCCAGAGGGGTCCTCAAC	17039
AGGGTCAGAGCAGGATGTCAGGAGCCCCTCAGCTCCATTCACCCATGGCCACGCTGCCTGTCTGT	17040
CATGGGAAAGGTCAACCCTAAGCTATATGCAAATGTACCTGCGTAGGCTGGTGTGCTGGGTTGATGGCATCTC	17041
ACTGTACCACGTTGAGCCACAGGGTGGAGCTTCCTAAGGCCTTGGGAGCCCAACCCTTGTATCAGTGTGTCC	17042
GTGGATCCTTCCTTCAGATGAGCACATCTGTCCCCACGTGCACCCTTCCCTGAGACAAGGACACCTGTCCCCAC	17043
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GTACTTAAGTGTGTTTCTGTAGTGACTGGTAATGGCCTTGCCATATTTAGCACTCCCATCGGGTCTCTTGTAAG	17047
GGGACAGGGGAGCGGGGGGCGCCACGCCCTGGCCCTGGCAGGGGCCGGCGGCACCCGGGTCTAAATTTACT	17048
TAACTTAGCTGGATTCAAACTCCAGGCTGCCTCGTGTGCTGTGGGAAGCAGCCTACGCTCTATTCAGTTCTT	17049
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AGTGGGTCAAAATGGTGGCAGCACAGTACGCGATGAAGTATTGGTTGTTTACCTTCATAACTGCATGACT	17051
CTTGCTTTCCCTCCATGGACAGGTGATGAGATCCACACAAAATACTGACTCATCACTGACGCAGGGCACCCTT	17052
AGTCCCAGTGCAGCACTGGGGTCATGCAGGGGAGCTGTTTTGGACAGTGGAGGTGCTCTCGGGGCCTGCAAT	17053
ATTAGTGGCTCGCTGATGGTGCAGGTCAGGAATTTGGACAGGCAGGGCCCAGTGGGGATGACTGGTCTTTCTT	17054
TGAGACTATGGAGTTTTTTAGATATGTAATCATGTCATCTGCTAACAGGAATAGTCTGACTTCTTCTGTT	17055
GTCGCGCAAGGCCCAGAGCCAGGAGGGCGAGGGCCCGCGAGGAGGGTCTGGCCCCCCGTGCATGGTGCGCAGGCCC	17056
GAGTCAGTAAACCATGGCCCGTTGGTGAAATCCAGCCATTGCTTAGTTTTATAAACAAGGTTTTATTGGAAGAC	17057
GGCAGCCCCCCCACTGCTGGGCCCCCGGGGCGCGGGCTGGGTAGGGCCCGGAGAAGGGAGCCTGGGGCTGCCAC	17058
TGACCTAACTTACCCAGCATAGAGTATCAGATTCGAGTTTTATAAAACGAATCTAGGGTGGAGGAAGAGGCCA	17059
GAAGTTCCCTGAGACTTCGAGAATGTCAACAGATGCATGCTTTCGTGAGTCCGTGCCATTCAGTGAACTTGA	17060
CAATCCTACTTGTTGCTTTGTTTTACTTTTTGTTTGGAAGAGGCAGAGGCAAAGCTTTAGGATTCTGGAA	17061
TTCCTAGCTCCAGATGAGCTTATCAGACTGAGAGGAAATTGACTGGCTCAAAGAGAACTTCCTATTCTAAA	17062

Table 1. Novel miRNA sequences

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GGTCCTGCCTGAGCTTGCATGAGGAGCTGTGCCTTACCTTTGACACACGGCCCCACGCAGGCAACGTGGCAGC	17065
AAAGCCGCATTTCTAGATTCTCACACAACACATGATGTATGTGCTTTTGACTGGAGTTCCAGCTTTGTGTTATG	17066
TTCCCGGCCTGCGGGCAAAGGTGTGGAGGGGCTCGCCAGAGTGGGATCCCGAGCGGCGCTGTCTTTTGCCT	17067
TGAGTTCCCAAAACCCTCTTTGGAAAGCACGGGTCACAGTAGTTTCTGTGGCTTGTGTTTTTTCCGGGGGTGT	17068
CTGGGTTGTGTACCTTCCTGAGCTTCTAGTAAGAGTCGCGTAGTCTCCGATGGAAGGCCTGGGGGTTCCCAT	17069
GTCAGAGAGGTTTGGGTTCAAGTCCTAGCTCATTACTTAAGGTGTGGAAGCCTTGGCCTCGCTTTAAAAAC	17070
GGTGTGGGTGTGTTACAGCAGCAGGAGAGGTGAACACATGTGGTTACCATCTGAAGCTACACACCTACACTA	17071
TTTTGAAGTGCTTAATAGTCACAAGTCTGATGCTTATCGTATTAGTGTAGGTGTGTAGCTTCAGATGGTAAC	17072
AATGTGACTGGATAAGGCTGACAACAAGGGGAAGCAAGCCTGACATTCTCCCCACCAGCCTGGAAGTCTGG	17073
GACGTGTATTATTATTATTTTTGTGTGTGTGTGACAGAGTCTTGCTCTGTTGCTCAGGCTGGAGTGCAATGGCA	17074
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TCTGAGCACAAGCTGCTGCCTCTGCACTTTGCAGTGGACCCTGGCAAGGACTGGGAGTGGGGGAAAGACGACA	17076
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TAAGTAATTCTAATGTGCAGCAAACTTTGGGAATCCCTGGTGTATGCAGTGCATGGAGAATCGTCAGATTTAG	17079
GGAAGCCGGTTATGTCTCCTGTATCTCAGGTGCTGCTGTGCATAAGAATAACAGGCATACAAGGGCTCAT	17080
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AAACAATAGCCTGGTAGAAGGTCATGCAATTTCACATGACTTCCGAGGATGATTGGGATTCTTGTTTGACAT	17083
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CAGAAATAAGGATGGGAACCACCTCAGCTGCCCTTCCAGGCCAGTAGAAAGGTGATCCACCTCTTAGTCAC	17085
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AAAACTGGCCTGCATCTGGAAATACTTATTCTACACAGGCAAACCAACAACAGGAAGACTCCAGAAGGAGGTC	17087
TTGTGGAGGATCCCTGTCCAGTCCCTTTGAAGGAAGGTCCCTCCTTTGACAGCTGCTAGAGATATTAGCCACA	17088
AGATGGGGAAATCTACTGAGGAAATGCTGTTTATGCTGATACATAAAAGCAATTGTCTGCTGGGAGCGGTGG	17089
GTGGCTACAGTGGCTTGCATGGAGTGAGTAAGGGTGGGATGTTGGAGATGGGTCAGAGAGTAGCAAGCCGTCAT	17090
ACACTACCACCTGCTTCCTGCCTTCCAAGGTGATGTGATGATGTGCTGCAACCATCTCGTGACTATGAGCAGGA	17091
TGTTCCGTGGCAATCAGATGTGCTGGAACTACTGAAATGATGAATTGAGGTAGTAGTTTTGTAGTCTTTTATT	17092
GTCTCACCCAGGCTGGAGTATGGTGGCATGATCTGGGCTCACTGCAACCTCCACCTCCTGGGTTCAAGTG	17093

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Table 1. Novel miRNA sequences

GATTCATCTCATGTAAAGGGATTTCCATTTGCTTATCAGTGGATTCCTCAGCAGAAACTTTGTAGAATGGAAGA	17094
AGTTATCCTTCTTCAAGCCAAGAAGACACACATCAGAAATGCTGATAGTGGGTTATCAGAAGAAAATATA	17095
GGGCGATGTAAAGGAACCTGAGAGGGAGCTCCGTCATGTGATGAGTGGCTCTTAAGTGCAGGAACAGATTTGA	17096
GACACTCCCACATGGAGATTATGGCTTCAGCAAAGCATGAAGAAGGTAGTGTGTGCATGATGAGTGTGAGAG	17097
TGACATTCATCATTTCCAGAGTCTTAGAATTGTGATGATCTTTTTCCAGTGGGCTCTGGAAGCTTAAGAAAT	17098
GGGTATTCTCTTCCCCTGTCAGTTTGTCGGCGCAACAGGTCAGACAAATGCACAAGGCCTTACAATATTTGTCT	17099
AGACAGGGAAAAATGCTTTTCTGTACAGAGCAGAAGTCTGCATCTTGGCAGCTTCCGCCTTTGGTTCAGTTCCT	17100
CAAACTCATCATAAATACCTACTCAGCCTCACTTCGCCCAGGTGGTGAAATGGGCATTGGAACAGTGTGAAGGG	17101
CTCCCTTGAGGCCGAGCGGGGCCCTGATGGGCGTAGCTTTGTTATTGCCACCACTCGGCAGCGCCTCTTC	17102
GAGAGCAGTGCAATGTCAAATACCAGGGAAGGCTTTGCCAGGCAAATGCGGCCAAGGGGCCTTTGAAGAGCA	17103
CCGGGCGAGGGGCGGTGACGGTACCTGATGAAGGTGGTCTTGCCGGTGCTGTACTGGCCCACCAGCAGGATCA	17104
TCCTTGTCAAACCCAGGACGTGATCTGAAGGCATCTCCTGCTCATGCCCCTCCCAGGCCTGACACTGCCCCTTC	17105
GGCCTTGATCTGCTGGCTCCTGCCAGGGTCCTTAGGTGGGAAGGCTGGGGTGGTGCAGGGGCCTTGGGCTC	17106
TAAGGTCCTCTTAATTCAGGATAGTGCAGGCAACTGATGGCAGGTTCCTTAAGATGGCATGAGGGGACTGAG	17107
TACCACAGACTGGGTGGTTTTACCCAACAGAAACTTATTTTCTCGAAGTTTTGGAGGCTGGAAGTTCCAGATC	17108
TCCCCTGGGCCCAGGATTACAACTGAAAACTCCTGTTTTTTGCCTTAATCCTGTAGAATGATATTCCAGA	17109
GCCAGGTGCGGTGGCTTACCGCTGTAATCCCAACACTTTGGGAGGCTGAGGTGGGTGGATCACCTGAGGTCA	17110
TCTTCCTCTTTCTTCTCTGAGTTTCTGTTTGTACCATCCAGTTTTCCCAGAAGTCAGACAGAGCCTGGAC	17111
TCCCGCTGGACACTGAAGTGACGGCCCTCTCGGAGGATGAGTATTTCAGTGCAGGTAATGAAAGAAGCAGAG	17112
TTTATTAATTTCAATTCACTTAAATGCAAGGTACCATTTTGGCTCCATGGTGGTGGTGGAGAGAGAGCAGTGT	17113
GCCGGGACCAGGGCAGATCCCAACCCGGTGCTTGGGAGTCCTGCCTGTGTCTCAGGAGCCATCTAGAGTAAA	17114
CTGAGTAAGCATCCTAGGAGCAGGAACTCTGTCTTGTTCATCACTGTAAATCTGGCACCTAGAAAAGTGC	17115
TCACCTAAAACTAAGCTTTACTAGTGAGCCAGGTGTCTCACTTGGAAGTTCCCTGGAATAGTAGAACTGAAGT	17116
GTGGTGCAGGGGGGGCAATGCTGTACAACAACAATAGACATTTATTGCATGCCCTCAATGTACCTGGCACTGT	17117
TATAAATCTAGTGGAAACATTTCTGCACAAACTAGATTCTGGACACCAGTGTGCGGAAATGCTTCTGCTACATTTTTAGG	17118

GCAATATCTGCATTAGGGGGTACCCGAAGCCTAGTAACTCTGTGACTTTTGCAGTCTCATAAAGCTATTGC	17119
AAAGCTTATTGGTGCTGGCAGTGTCTTAAAGTTGGTGAGTTCTGATAGATGAATGTTAGTAGTTGTGAAGCA	17120
ATATATGAGACAGGAATAGTGCTAGAGTAGAAAAATACGATTTCCTGACTATGTGTTATCTGCCAGGCACTCTG	17121
AAGTTATTTCTACCAATAAGCCATAGATCCTGCCTTCGAGGAGCTCACAGTCTAAAGAGGAAGACAGGAGGTAG	17122

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Table 1. Novel miRNA sequences

GAAAGGAAGGAAAGATCAATCTATTGAGCAGTCAGATGGAATGGTAAAGATTAATCATTCTCTTCCCTTCA	17123
TTAACTCATCTGATCAACAACATGGCTTCTCTGTTCACTCTCTGAAAGTTGAAGCCACTAACTTTGACCAAGGT	17124
TGCCGTGCTTTCATTGCTTGCTGTTGTTTTTCCAGAGCAGCTAACATGTCCCCTAAATCTAGCTGCACAGGTG	17125
ACCACACTGGGCTAAATTTTGTATTTTGGTAAAGACAGGGTTTTGTAATGTTGCCCAGGCGGTCTCAAACTC	17126
ACAGAAGCTGCTGGCTCCTCATTCAAAGCCAGGTGTCTCCTGTATTTGGGGGGAGAATGACAAATGGTAGAG	17127
TCTCTCCTTGAAGATAGAGGGACAGGCCATTCTGAGTCCTTGGAAAAGAATGCCTTTAACCAAGGAATAA	17128
TAAGGTTTACCACAAGATGAGTTATTTTGGGTTTCAGAAGTTTTTTTGGAATTTTTGGAATTGAAGATAAGGAACC	17129
TATTATTACACTGTTAGCCTAAGAGATGAGCCAGAGCTGACCCTCAGGCCCATCTCACAGTGGAACCATAT	17130
ATGATTTTGGGTCTGCCCAAAGGAACATGGTGTCACTTTTGTTCTTTCTGACCCACTAAATAAAAAGTAGTG	17131
TGATTTGTTCTCCTTGCCATCCAAATTGGCCTACTTAACCAGTGAGTTGCCAGTTTTCAAGTTTGTGTTTTCA	17132
TGCAGGGAATGCAGGTAGCGGAAGCTAAGCAGATCAGAGTCCAAATGCCAGCTGTTATTTCCTGTGTAGC	17133
TTAGATGACCTATGAATACTTTTTCACCATGTTGGCCAGGCTGGTCTCAAACTGGGAGAAGGATTTCTGGGA	17134
TGGCTGTTTTTTATGGAAGGTGTGGGGAGCATTGGTCAATTCTGCTCCCTACAGCCTCCATAAAAACAAACT	17135
ATCTTGTTACAGTACTATACTTCTGGCTCTACTTAGGGGCCATGTTCTACTTAACAGTTTATGGTTTTGTTA	17136
GTGTACCTTATCTCCCGCGCGCCCAGCTCCTTGGCCGGCTCACCTGCTAAGCGGAGCGCGGACATGCGCTGGA	17137
CAGGATTTGGCACACAATAAATGATCACTAAAGAAATGGTGATGGCCATGACACCTGGCAGCTCATTTAA	17138
CCAAATGACATTAAAGTTTATTTGAAGGTCAAATGAACAACTATCAAAGATCTTCAAGTGAGAGCAATTT	17139
TGAGTTGGGAGGTTTTAGCAGCACGTAAGGCAACAGGGGAGAAGCCACGGTGACAATAAGATCTCCAAATTC	17140
CAGAAGTGTTCATCACAGCTGCATCTCTGAAATCGGAAGTGGGTTGAGGGGTTGTGATGCTGGATATGTGAGG	17141
AATGTTGACTCATTTGAGGGCTTCCCCTCAAACTGAATGGAGCAGCAGATAACAATACCGATCCTGCAGT	17142
AATGAGATACTGTTTATGGAGTGCCCAGCACAATGGTTGGCATATACTGGGTACTTAACTGTTGGCTCACTTT	17143
GAATCCATTTAGGAGCATGGTGTGCCTGGAACTGCAATAATGTGCAGGAGCTCTGTAGTTAGGTGGACATTG	17144
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CACTGATGGGCATCTAGGCTGATTGCATGTCTTTGCTATTGTGAATAGTGCTACAAAGAACATATGTGTGCAT	17146
TCAGAAGTGCCACTGCCAGATCTGGTACCTGTCCTTGAGAAAGGATGTCTGCTAGAGAAGCAAACACATGAA	17147
TCAGATTGAAAACTGCAAGAACACATCCAGATCTTATTGGGTGGGAGGGTGCAGGGAGATGGGAA	17148
GAATGAAATGAAGATTAGTCTGCCACTGACTATCCCCGCAGAGTCTTAGGCATGTTATTGAGGAAGACTGTCTT	17149
CAACAGGTCTAGGATGGGACCAGAGAGTCTGCATTTCTACATGCTCTCAGCTGAGGCTCATGCTTCTGATCC	17150
TTGGTGGAAAACCCTCCCAGGAATCCCATTTGGTAAAAAACGCAGTGTAAATATATAAGGAGGATTCCATAGC	17151
ACATCTCTGAGTAATTCAGGCTAGGTTTTCTTCCAGCTGGTCTGAACATGTACGGTTTTGTAGGGTGGCATT	17152
TCCGGCCTGAAGGAATCAGGGAAGACCTTCCGGACATGCCAAGTCTCCCTGAGACCCTGCTCCATGAGGGCTGG	17153

Table 1. Novel miRNA sequences

AAATTTGAGAGTCATCACCAGATAGTAGATGGTATTTAAAGCCGTAAGTCTGGATGAGGTAACTAAGAGAGT	17154
CCATGTGGGCCTTCTACTTTTTCATGCCTCTGCAGCAAGCAATACCAAGGAAACCAGCAAGGTGAGAGGGAAT	17155
GTATTTTATCATTCTATCACATTTAGTGAGTGCCTATCATTGCTAGCTAGGCGCTAGTAGGTGTTGAGTGCAG	17156
CGTGCTGTTTTAATCCAATAGTCAATATGAGCTTCTAGTGTATAGACTCAATTGACTTAAAACTCAAGCTA	17157
AGTTGTATGACAGAGCACTGGATACTTAACCTGTGTGCATTCTGTGTCCATATCTGTAAATTGGGAATGA	17158
AAGACAAGTCACAATTGAACTGGCCTTTGAAGGGTGGGTAGGTGTGTACCAGGTCAACTAAGGGGGAAAAG	17159
GTAAATAAAATGCAAAGATGTTTGAGACAGTTGTGTGTCAGCTGGTGGGCAGTAGTGGGTGGTTGTCA	17160
TTGTGGTATAGGGAGTCTAGTTTGTATGCTGTTGGCATGGATCCAGGATACCTGGGTGATAAAGATTCAA	17161
TGGAGTGTGCAGTTGGGGCACGATGGTCAGAAGAAAGTCAAGCAAGGCCAGTGTTGAGGCCCAGGGTGAGCT	17162
GGTTTTCTCTTCCTAAAGCACTTGTGATGCTTCCCATGGGCTGAGCCAGGAGTGGTTTTCCTGCAAGGGAGCC	17163
AAGGCATGTTTCTTGCTACTGTATTTATCATTATTTCTGGATACTTACAGTGGACAGAACTAGGATGTGTGT	17164
ACCAAATAAGAAAAAAACAATGCAGCTAAGAACGATTAAGCCTGTCTTAATCAGAGGCTATTGCCTTGGTTCGC	17165
CCCACATCCTTGCTGAGTCAGCAGGCTCAGGGCCTGGAAGTCAGTGATGGCTTCATCACCACTTTGCCTTCTG	17166
CCACGCTGGAGTCTGTGGGTGGGACCACAAACAGGAACATTCACACGACAGAACAAACATTTCTCCGTGCAAA	17167
GGACTTAGTGAACACCTGCCCGTCTTGTGCCAGGCATCGTTGCCACTGGGCGTTTGCAGGTACATCATCAATTC	17168
AGCCAGGGGCAGTGCAGTCTCTGAGAGGCAGGAAAAGCTGAGGCCACATTATTAGAAGGTTGCATGATGTTC	17169
TGGTAATGATGAACAGTATATAATCACTAATAAAACTGTCACAAACAGTTTTATTTTACTACAAGCAGAGTTAT	17170
AACTCCTGACCTCAGGTGATCCTGCCTCAGCCTCCCAAAGTGCTGCAAGTGCAGGCATGAGCCACTGCACCCGG	17171
ACCAGAAAGAGTCACTGAAAGGAGATGGTGATGGAAGCAATGCTAGTCTGACACCACCCACTCCAACCTCCAG	17172
TGATCCGCCCTCTGCCCTACCCCGGACTGGAGTTGGGCCCTGCGTCTGTCGTCCTCTTCAGCCTCTGGTCT	17173
TCTTGCCTGTTCCCTTGCCTTTAGTTTGATTGGATTGTTAAGTTAGGGATGGAAGGGGAGGTAGGGAGGA	17174
GGCAGATAGCTTAAGTCTGCAGCACCACATCACCTCACGAGACATCCCTGCGCAGTCAAACACTGGCTTCTGTT	17175
ATCTAAGCACTAACGGTCCTCGGAGGTCTTCTGGGGATAAGGTTCCCTGTCCATTTCCCTAGGAATCACCTCT	17176
ACAGAACCTTAGAAGGCAGATTCAAATTCCACTTTACAGATGAAGCACTGTAGCCTGAAGAGTTTGGGTAGCTT	17177
AACCTGGAGTCCGAAACTTGGCTCTAATATTAACTAGCGATCTTTCAGCAGGTCACTCAATCTATTTGAGCCA	17178
AGTTATCCCTGAGCAAAGTCAGGTTTCTCTAGATGGTACAAAGCTAAGTGTGGAGAGGGAGACTGACTGGATCA	17179
ATGGGGCCGCAAGAGAGGTGGTTACTCCGGACAAAGCGGCTTCATTGGAGTCGCCTCCTCTTCTTACTGGGAA	17180
CTCGAGCTACCGTGCCGGAAGCGGCTCGCTGGAACCAGGCGGGACCGCCTGTGAGTGGTGGGTTTGTGGATG	17181
ATGGTCCTATCCCAGCATCACCATGGTCCCGACTGTGGGACCTTGGGCCAAGTAATATGACCTTCTTTACCTC	17182
AACTCGGATTGGGGATAGCAGAGTTGGAAAGAATCCTCAGAGGCTGTGATGTGTGAGCTGAGTATGAAATAA	17183
TCTGAGTTGTCCATTCTACCCCCCACACCTGCATGGTGCCAGGCACAGAGCAGGATGTCAGAGCTGGAGGGAC	17184

Table 1. Novel miRNA sequences

CCTGTTCTCCAGCTTGCCACGTGTTATGTGTTAACAGTGTTTGCTGAAAATGTATGTCCACCGAGGACCT	17185
CATCCCAGCCCCTGCTATTCCCAATCAGGCTTGTACCACTACGCCTCAATTAAGAGCAGATGTGGGGCTG	17186
GGGAGGTGTTTAGATGATGCTGGGGAGGTCCTTAGGAGGACTGCTGCAGATGTGGTCACACCAGATGATTACT	17187
TACTTTAGCTTGTCAGAGCAGGTTGTCAGGTGTTCTTTGTCAAAGGCTTTGAGAAAATCCGGATAAATTATC	17188
TATTAGAGGGTCATTTGTAGAGCATATAGTCTAACTAGCACGTAGAGACACTACTGCTCTTTAAGTCTGTTT	17189
GCGCCTCAAATCCCCCTACCCCGTGTGAACTCTAGGGCATCGGACCTCAAGGGGTTAACTGGACAGACGGGGGG	17190
GTGCTAGGGCTGAAGGGTTGCTGGGGTTAGTGAGAAGGTCAAGGATGTGACTCTGGGAGCAGGTGTCTCATAGC	17191
AAGGGTCTAGCTATGATTCGTATCTGGCTACTGGCCCAGAAGGAAGAAAAGCAGGGTCTGGCAGTATTTGG	17192
GCATGAGGGACATGTGGCTGCATGACTGTTTCAGTTTGCATGTTAGAGGCGGGCTTATGATCTACCCATCTGT	17193
GGTAAATCACAGTGATCGGACCTGCCTCACAGGAGAGTGGACAGGAGAGAAAGTGCTGTCTTATTGAC	17194
GTCTGGAAATGACCTGGTAATAACGATTATGGTGATGAGAATAGTTGTCTTACACTAGGTTCTCTGGATCCAGA	17195
ATTAGGGGACTGGGATGTGCTGGGTGTGGGCTGGGGTTGGTTACACAGCCGAATAAGACACCATTCCCTCTGC	17196
TGGCTGGCTGGCTGTGAAAGGCCTTGAGAGCCTGAAATGACAGGACTTGATGCTGTTATCCCTAAAGCACA	17197
AGAACACAGGCATCTAGGCAAGAAGAGTGGCAGAACTCCCCCCAGGGCAGATACCCTTCTGCCCCTCCCATGG	17198
AGGTCATTTCATGGTGTGTTCAGCTCTCAGCAGAGAGGAAGCCCTGGAGGGGTTGGCTCCTCTCTGCAGGCAGG	17199
TTGGTCATCATTACAAACTCATGGATTTAAGGATTTCAGTGCACTACAGTTGCTATTCTTACTGATGATCAA	17200
CCCATTTTAGACAGGTAAGAGCCTGTTTTGGTAATTTAGACTGGAAATGGCAATGGTAATTCAGAAAAAGA	17201
AGTTATTCTTCCTCTTTCTGGGCCTCATTTTCCTCATCTGTAAGATGAGGTAGTAATAACATAATCACAGGT	17202
TTTGGTATAGTGAGGAGCTGACTCTTTTTTTTTTTTTTTTTTTTTTTTTTGAGACGGAGTCTCGCTCTGTCGCC	17203
GCCCAGTCCTTGGAATAAGATCAGTGCCAAGGAAGTAGCCTAGGGTGGAGCAGGGAGATGGAGGGGTGCAG	17204
GATGCTCCTGCGGCTGGGGTCTTGGCGGCCCCCGGCCCCCTCCTCCTCGGCGTCCTCTTCCTCGTCCATGAT	17205
CTTATCTGCAGTGCCTGGGACTCTGGAGCCAGGCACTCCCAGGCAAGTAGGAGACAGATCAGCCAGGAATGC	17206
ACCAGAAGGTCTCAAAGCAGCATTAGACTTCGCTTGAGTAGAGTGTGTAATGCTATTAGCCTTTACAAAGAA	17207
TTTCTTTGCTCTGTGGGCCTGGTAGTTCGACAACTTTCTAACATCCTGGACTTCCTGATCTATTGAGGAA	17208
CTTCGAAGACTCCACCTTCTGAGACCCTAGTACACAGGCTCTGCGGAGGCTGGGCCAGGAGAATGGAGCAAC	17209
CTTGTCATAGAAAGTTGTCCTGTTGCTGGGCGTGGTGGCTCATGCCTGTAATCCCAACACTTTGGGAGGCCGA	17210
GCGATTCTCCTGCCTCCGGCTCCCAAGTGGCTGGGATTACAGGCGCTTGCCACCATGCCTGGCTAATTTTTGC	17211
GGCGCCCGGCAGGGGGCGCCGCCCCGCCCACGCCCCGCGCCGGGCAGGCCCCCTCGCGCAGGCGC	17212
CCTCTGCCCAGAGGCCGACAGAGCTCTGTCCCTAGAGGAGCAGGTGACAGGGCTGCAGGCCAGAGGAGGAAGG	17213
CAGGGGACTCCCTGGAGCAGCATTTTACAGGGACTACATGCGTCCCTGTGTGATGCTATTTCTGGCTCCGTCGCC	17214
GGTAGGCTGAGTGGCAGCTCAGTCCTAGAAGGTCTCTGAAGATCTGGACTGAGGACCCTGCTGCTCCCCAAGCC	17215

Table 1. Novel miRNA sequences

TTTGTCTTAAAGCCTCAAGACTGGCCAGATGTGCACCTGAGTAAAGGTCAGCCATTTCATCTGGGGGCTCT	17216
CAGGTCTGTGCGTGTGACCCGCTGTCTCCCTCACTAACTCACTGGGTCACATCAGGCAATGCAGTGCAGAGCTG	17217
TACCCTCTCTACTTAACAGTGCTTAGATAGGCACTGCCGATGTTTGCCTCTGTGCCTCTCCTTTCTGTGAGTG	17218
CCTGATTCACTGGGCCTGGGATGGGGTCTGAGGATTTGCATTTCTAATGAGCTCCCAGGTGATGCCAGTGCT	17219
GGCGGGAACGCGGGCTGGGCCACCGCGCGCAGGGGCCGGGGCCGGGACTGGGGATGGCGGCCTGCCCGCGCGCC	17220
GCAGAAGAGAAGACAAATCCTCATTGGAAGAAGACACCTTCATTCTAGGCCTCAGATAGTTTCTGTTAAAC	17221
CATCCTGTCATTATTATTCTAGCTGGTTGTCTTGCCGGTTAGTTGATTCAATTTCTTCGTAGTGTTGATGGTC	17222
AGTGGAAGGGCTAAAGACTAATTGCTATATGACAGCGAGGTAAAATAACTGTAGCTTAGTCATAGCTCAGCCTC	17223
ACAGCAAGGAGCAGGAGGACAAGCATGGTCTCTGAATCACAACATCAGGGCCTGAATCCAGGCTCACGCTTT	17224
GACTACCTGCCTCTTGGGACAAATGTTATTCTGAATTCCATTTGTTAGCTCTGTTCAGCAGGTACACATGTCT	17225
ATTTAACTGAGGGTTTGGAATTTTTCAAGATGACTGGGCTTTTTCCTGTGATTTGTGAGTTTCTCTTGTTTGG	17226
GGTCAGAAGCGGGGGGAGGAAAATAGTTGGGTGAGGTCCTGAATCTCCCCAGTGCTATCCCCACTTCAGCC	17227
CTGGACGGACACACAAGGTGAGCTCCATGATGGGGTGGGGCGGCTCCCAGCCCTTAGAGAGCACCTGGTGGT	17228
CCAGGGAGCCTCTGACGTGGCAGGCAGCATGCTAAAAGCTGCCAGTTGAAGGCCAGTGGTTTTATGAACATC	17229
CTGAGAGCCAACAATGCCATCTTGGGCCAAGTCCCTAGCTTATCCTCAGTCTAGTAGGAGTGGCCTCTGCCA	17230
AGGTGGCAGTCCATGGGCATAGCCAATGACCTCCCCAGAGAAGGAGTCCTGCTATGGGCCTCACCATGTTG	17231
GAATCACATGGCAAATTCAATACAAGGCCTGCCTGGTCTCTTGAGACCAGCATTGTGTGATTAGATGTGTGCCA	17232
CAGTACTGATAACGCCAAGGTAGCAGGAAGGTAACTTGCATTCTTCCATCAACCTAGGTGTTTGATGATATTG	17233
TGCCTTTTTCCACCCTTTCAGTTTAAGTTTATGTTTGTCCTTATGTGTTAGGTGTGTCTCTTGAAGGCAGAA	17234
CTGGAGTCACTGGGGACCAGGAGCTAGTCCCAGTGCATGGTAGCTCTGTGCAGCAGCTTCCTCCCACTTCAG	17235
GTCTCTGGACTTCTGTTTCCTCAGCTGTCGAATGAAGAGGCTACACCATATGTTTCCTAGAGACCTTTGCCA	17236
TTCACTGTTGCTCCCGCTAGCATCAGAGCAGCACCAGTCAGGGTTGTTCTCTAGTTTGGGTCCGTGGGAGCCAC	17237
GTATGACTCAGCAGTGAAACGATATTGGCCTGGTGCTTTCTAGCTTGGAAGGTTAATTATTGATTGTGTTTTAA	17238
AGACATGCAACTCAAGAATATATTGAGAGCTCATCCATAGTTGTCACTGTCTCAAATCAGTGACAACTATGGATGAGCTCTTAATATATCCCAGGC	17239

CTGGGATATATTAAGAGCTCATCCATAGTTGTCACTGATTTGAGACAGTGACAACTATGGATGAGCTCTCAATATATT	17240
CTGGGATATATTAAGAGCTCATCCATAGTTGTCACTGATTTGAGACAGTGACAACTATGGATGAGCTCTCAATATATT	17241
CCCTGGTTAGCCTGGTTATAGAAGGTAATTTTGTCCAAGTTAATATAGCACCATCTGCTGCTGAAAAGGAG	17242
TGTCCCTGCCCAGGATAGCAGCATAGCTTATACAGCATATGTTGCTTTGTTCAGGCAGAAGTGGTACATCT	17243
ACTAGCAGAGTGGAGAAGGGTCTGGAGGGGAGCAAGGCTAGATACAGGGACTGACCAGTTAGAGACTGTCACC	17244

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Table 1. Novel miRNA sequences

AAAATTATTATTTGTAGATGCGGGGTCTCACTATGTTGCCAAGGCTGATCTTGAACTCCTGGGCTCAAGTA	17245
TGCCGGCGCGTCTCCCGGGCCCGGGCCGCCCCGCGTCCGCCCCGGCTCGGCGGGCGCCGCCGCATCCACGC	17246
TACACATAGACTGAAAATAAAGGGATGGAGTTAGATGTTCCATGCCAACGGAACCCCAAAAACAGCAGTAGTG	17247
CTGGCTGGATATTTCTGCATGGTCTTGGCAGCATTTGCTCTGGCCATGACACAGCATCAATACCTTCCTATT	17248
CAGCAGTTCTCTCGGGGCCATTCTTATCTTGGAGCTCAGGGAGCAAATGGGGGCCAAAACGCAAGAGGATGGTG	17249
TGGTTAATCATGGGGTCTGTTATGGGGTGGCAATGGGCATGCTGGCTGTGGGATCCATGTGCTGAGAAAAAGA	17250
GTCATGAGGGGCATATTTCATAGGATGTCTATTTAGACCCTGTAGATCCGATATGTGGATAAAGCCTAGAGACA	17251
TAGCACTGAGCTCACCTCTAAAGAGGCAGAGGGCTAGACGCGCCCTTGAAAATTTTAGGAATTTTTTCAG	17252
TTATAGGGTAGTTAGAGGCTAATAGTTTCAAACCCTGATGTTGCTCAGGGTTATTGATAGCCAGTCATCA	17253
GGCTAACAGGCTGTCATCAAGGCCGACAGGAGCTATGGCCACCCCAAGGCTTGATGCAGGAGGATTCGCTTC	17254
GATCTTTATTCCAAACTAGCTTTTACTCAGTGGGTCATAGAGTGAGTAAGCATGGGGATTTTGTGGTCGTGT	17255
CAGGTAAAGTGGCTGTGCACCACCAAATCCATTTAGTCAACATTCAACAAATGCCTATGTGCCAGGTACTTTGC	17256
AGCCCGGAGCAAGACCAACTCTCACCCAGTGGCATTAATTTCTCGCTGGGGCCTCCATTATGTTGTACCCGGG	17257
GTGTCACAGGCTGAGCTGGGCACAGAGAAGACACAGTCCCTGTCCTCCAGGAGCACAGTCCAATAGAAAACAC	17258
TTCGTCCACCATCTGTGACAGCTTCTTGATCTGTCCCCAGGTAGGTGGCTCAGTTCAACAGGTGTTGCTCG	17259
GAGGGTCAGGTCTCAAAGCCAGGTGGATGCAAGGTGAGAGCTGCCACAGCCAGGGACCTGTGATAAGGAGGA	17260
AGCAGCCCGGGCCGCGTTTGACCACTAGTAGGGCAGAACCACTGACCGGCAGGCGGCGCTCCCCGGGGCTC	17261
TTTAACTGTCCAGCTCTCAGAGAAGCAACTTAGTTCTTCGGAGCTTTGTTAGCAGAGACACAACAGAGCAGT	17262
TTTGGAATCTGGTAAAGGAAGAACTGCAGTATTTTACCAGTACTCTCTGCTGTAGCATGGCCCACAGTTTCT	17263
TAGCTGAGATCCTTAATAAGCAAAGAACAGGAATCCCTGAGGGGTGACAGGATCTGACCTCCATGCAGTTACC	17264
CTTAGTGTTCCAGTATTCAGTGCCCAGAAGAGGGTCGATGGTGAGCTAATAAGTATAGAGCCGCTGTGGGCAC	17265
GCCTGGAACATCCTGGCCCTATCCACTATAGCTTGACCGAGTGGGCTCTAAGGCTGGTTTATAGGGAAGGAA	17266
CACACCTCGAAATCTACAGGGGCGTGTGTATGTTGTCTGCCTGTCAGTCCACTGGGCTTTGGGGTTTTTT	17267
ATTATGGCAGCATGGTGTAACCTAATTAATGAGTGGCTGAAGGTTCAGGCTCTAGGGTTAAGCAGCTGAGCCAT	17268
TTCACCATCCTAATTATAAGTAAGCCAGGGATTTCCTTATGGCTCACTGGAAGATCATGAAATACTCTTAGT	17269
CCAAAACGTGGTGATTAGCACAAGAGTAGGCTACAATCTGTTTACACCTCCACTTGTTATAGGTCACAATGT	17270
CCACTCAGCATAAGACATTTCCTACTTTTAACCAAGTAAATTTGGTAAAAAAGACACATATTCTTTGTCTGGG	17271
CTGCTGTGTGAGTTCTTTTTATTAGCTCAGTTGGCACCTTTGCCTAGAGAGATACCTGCTCAATGCAGGT	17272
TTGAAATATTTTTTAACCACACACTTTTGGTTCCTTCTCTGACCTATGAATTAGTTAGAAATATGTCATTTAA	17273
GCTGCCAGCACGCTGTCACCTCTCACCTGCACCTGTGGAGGCAGGAAGCGGAGCTAGAGAGGAACAGAACCTGG	17274
CTGGCATCAGCTCCCATGGGATCCTGTCATTGCTCCACCACTTCCTGGCTCAGTGACTACATCCAAAAGTT	17275

Table 1. Novel miRNA sequences

GTGTATGTGTGTGGAGGTATTGGTATGTGGCAGTAGACTATGGTGCTCTTACCTCCTCTTTAGCCACAAG	17276
CAGCTTGGATGCTATTGGTGTACAGAAATGCTGCTGTTTTTTTGTACATTGATTTTGTAACCTGAAAATTTGTTG	17277
ATAAAGGAGCAGACAGTAAATATTTTTAAGCTTCGCAAGTCATATAGGCTCTGTTGTAACTACTCAACTCTGCT	17278
CCCCAGGAAACCCACAGCAGCCTTTGGGTACTTCCTCAGGGGAGGGGGCAAGCATAAGAATAACAGGGAGTT	17279
CAGAGTAGCACACGGGAGTGCTAGCGATGGGCAAGAGAGGAGTTTTTTACCTGAGCTGGCAGCCAGTGTCGAA	17280
GATTACATTTAGAGCCTCCACCAAATAATTCAGGACAATCCTCTGATCAGGGTAGGGGGGGGCAGTCTTAATCT	17281
GTTATATGAGATGCCTCAGCGATGGCAGGATTCCATGGGAGGAAACTTATCAGACTGATGTATGGTGTATA	17282
AATTCTAATTAAAGCAGTTAGCTATGACTCTCATTTAGCAGCACGTAAAATGAGTAATTATGCTTGTTGA	17283
GATGAATCATAACCATCCTCTCGCTATTGGAGTATTGTACCTTCACATCTAGTAAATGGTACATTTCATTTTAT	17284
GGACAGCTGATGGCCCCCTGCTGAGTGGGGGGGCTGGGCAGAGGAGCACCCCAGGCCATCCT	17285
TCTCTGGACATGGGGACAGAAGACTTTGGCGTGAGTTGCTGCTTTGTCCAGTTTTCCCAGACCTCAGAGTCC	17286
CTCTTCCCTCACCCGGGGCGGGGTGGGGCGCGCGCCAGACAAAAGGAGCCTCAGCCCCTCGGAGGGGGAGAGC	17287
TTTTTCCACTAGGGGATAGGAGGCCTTACTGGAGCTGATCAACTGGTTCATACTGTGGAGTTGACTGTAACCAG	17288
GGGAGAGGAGGCAAAAATGAGCCTGGAAATGTCAGTGGAGTCCAGGTCGTGGACGGTACTGTGGGCCATGTC	17289
TGGAAAAGTATGCAGTTTGGAATGACAGGCCTTAGTCTGAGTCTCTGTTCTGCTGCTGACGCACCATGTGACC	17290
CAACTGCCCTGTATGCAGGCCTCTCTCTGGGGCTTCTCATCAGCCTAGCAGCACGGCTTTCTCAGGGCTTCC	17291
GGAAGCCACATCAGAGGCTACTGTAGTGGTCCAAGCAATGGGTGCTGATAGCATAGACTAGAGAGGTGGC	17292
GGGTGCTGGGGATGCTGGCTCAGGGACTGTCCCTCCCGGGAGGGATCTGCCATTTCAGAGGCTCAAAATG	17293
GCTGTCTGGATCCCACAGTGCTGACTTCATACCTGCCCAGTGGGACTCAGCATGGGCCACTATAGCCAGC	17294
GCAATTGGATGACGGTCTGTCCTGGAGGAGCAGGAGAGAGGGCATAAACCGTGCATGCCACTTGACCAATCA	17295
ATCGGGTCAATGTTTAGCTGCGTTGCCATGAGAAATAGCTTAATGCTTTGATGTTGTCACACCCAGAAAGGAA	17296
ACAAAAGTGATGCCACGTGACTAGCTGGGTCAGAAAGGCCGATTCCATTTCTGCCTGGCCCTCTGGGCGAGCTT	17297
AATTCACGGTCCACTCGCAGGCGCGCACGTCCCCAGGGCTCCGGGACGGCTGTTCCCTGCGTGCGGCCGCGGG	17298
TCCTCTCACTCAAGTCGCCTGGATAACGGGTCAGATTTGGTTTTCGTAACTGATCTGTGCCCCGATAGCT	17299
TTTCCCAGAATGGTAAAGATTAACTGAAACCTGTGAAAAACACTGGATACTTAGTTGGCTTGTAAGTGTCTGTCTA	17300
TTTCCCAGAATGGTAAAGATTAACTGAAACCTGTGAAAAACACTGGATACTTAGTTGGCTTGTAAGTGTCTGTCTA	17301
CCAATGAGTGGATAAGGCCAATGATAGAGGAAGTGGCTAAAAAGTATAGACACATTCTTGGGCTCATGATGG	17302
GGTGGGTGGGTGCAGGTGGTCGTGGGTGGCTGTGATGCTCCGGCTCCCACCCACAGGCACCATGACTCCTGT	17303
GGAGATAGGGAAGCCAAAGGCAATGGTATTGACTCATGGCTAAGTGAATGCAGCCCTGCCTAGCAGTTTATT	17304
CTGTCCCCCTTGCTGCGCTGCTTGGCTGCCCTGGGAGGAGGAGGCCGAGTTGAGGGCACGCCCTGCACACAGCA	17305
CCCCAGCATGTTCCACATGCCCCTGCGGTCCAGCTGCAAGGACATGGCGATGACCAGTGTACCCAGAAGA	17306

Table 1. Novel miRNA sequences

CATGTCCAGCCCCCCCCATAGCCCTCAGCACCAGGGCTGGCCACTGTTGGGGTAGATCCGGGTCCTGGGCCT	17307
TGCAGTAGATGATCCGCAGCATGGTCCACGTTTGCGCCACCTAGGGGCCGGGCACTGGTCACTTGTGGGCGTC	17308
CCCGCGCCCTCCCCGCCCGCGCCGCGGGGTTTGTTATTGTGCGGGTGCCCGCGGCGAGCGGGGGCGGGGGCG	17309
CCGCGCCTCCCTCCCCGGGGGAGCAGACGGGCCCGGGGCCTCCCAGCACCCCTCCCGGGCGGGGCTGCACC	17310
TTGGAGGAGCTCTCGCTGGCCCAGACGTGAGGCCCAGCCCTGCCCATAATGGGCACTGGCGCTGGCACCCCG	17311
ACATCCCAGTGGTCGGGATCCTCACCTTTTGATGAGCTTGATGGATTTGAAGGCTTCGTCCATGTCTCCTATG	17312
GGGGGCCCAGGCGGGCTCCTGGGGACTCGCCGGCTGTTCTGGGCTGACAGCTCTCCCACCCCTCCTGGGTGAC	17313
CGAGACCGGCGTTGGTTGAAAATCGCCCCCCGGCTTTGGCCGTGGCCGCGGGTGAGATTCGGCGCCCAGAGCCCC	17314
CCGGGAGGGCAGGTATGGAGCCACGGGGCCTGATAGCTGTTGACCAGCTGTGCTTCCCTGCACCCAGCGCCCTC	17315
CCACAGAGGCGCCCTGCAAGAGACAGGTCTGCAGCATCAGCATTGTACAGGGCAGGGGGCCGGATGCACCGG	17316
AAACGTTCCCTGGCCTCCAGCCCCAGGGTCCCGCCCGCCTCCATGTCCCTGGCTGGGGCTGAACACTGAACC	17317
CGGGGGGCGGCTGGGCCGCGCGGGGGGCCCGGGCTTCGTGCTCACGCCGGCCCGCGCCCCCAGGACGTGTT	17318
AAAGGGCAGGATGGCGGAGAGGGCTGAGGGCGGGTCGCTTCCGGCGGCTTTTCCCGCAGCTCCTGCGTAA	17319
ATAAATGTGGAATTTAGAGCAAAGGAAATTGAACCAAGTTGTGATCAGTTTTTGAATTGCCCTATCCTTAAC	17320
CCGTGCAAGTTAAGTGCGGGGGGCGATGCTGGGGGTCTTGACTCTGGGATTAAGTGTCCCTGCAGGTGGCATGC	17321
AGTGAGCATGAGCTTCCGGGCGGGCTGATGGTGTTTGACACTTTAGCCCCAAATCACATCTCACTGGGCCC	17322
TCTCGCGCTGTTGCCCAGGGCTGAGTGCAATGGCGCCATCTTGGCTCACTGCAACCTCTGGCCTCCTGGGTTCA	17323
GCTCTTTCTGGGGTTTTGCATTTACGGTTAAGGTCTGTAAACGTCCTACACACACAGTAAAGGTCCACTATC	17324
GGAGAGGGTGGGGCCCAACGGGGACGCCAAAGAGAGCCATTCAGGCCTCCCCGCGCCCCCGGGGAGACGACTTCT	17325
AAGGAAGAGAGCAGGTTGCTGAGCTCAGCCAGCACCGAGAGTAAGCAACAGCAGACTGACTCACTCCCTGGA	17326
CACAGGAGTCGGGATGAGGTTCTGATGAGATAAGGGAGAAACTGCCTTGTAAACTGTAAAGTACCCTCAGGT	17327
CAAAGCCCCCCCACTGCTAAGCCTTCCTGGCCACCCCGCCAAACACTGGCTTTCTCCACTGCAGGACTTGTCAGT	17328
TAGTCTTTATCCTCTTAGCTCATCAGAGCAGGACAGGCTCTCAAAGACTTGAAGTTCCCCTCCCTTAATTCAC	17329
TGTTTAAACATGGCAACGGAGCCTCAACACTGAGCCTTCTTGGATGGCTTCCGCGTGTCATCGTGCAGCCCG	17330
CCTGGGGAGGTATCTGGACCTCACTATTTTGGAACTTATCATGCATAGCTTATCTCTGCAGGCAACTTTGCG	17331
TTTATGCCCTGATGCTGAGTGTGTGCTTTTCCTCTTCCTTGAATTTGCACCTAACTCACTCCATCATCTCCT	17332
CTGGGTTTACATACAGGCATGTAATAGTGGGTAAGTCTGGATACTTAACTGCCTTGTAATTCAGTCTCCTC	17333
CCTTCCTGCATTTTCAGATGGAAAATGAAATGTTTTGATGAACACATCATATCGTCCCTGGCATGCACAG	17334
ATTGTTCTGCTTACAGAGCAGGATGTGCTCTTTTTCACACATTTACTGGCCATGCAAGATTCCTCCTCTGTGA	17335
AGTCAGTTTCAACAACCTAGTGGCTATGGAATAACTACAAAGAAATCACAGCTAGGATTGAAATTGTCCA	17336
AAGAGCCCTTGGGGATAAAGGGACCAGCCAGTGAGTGTTTCTGGGACTGTCCCACTGTATTAGTCTGTTCTCA	17337

Table 1. Novel miRNA sequences

CTGGAGGTTCGCTTGGGAGGTTGACTGAGGCTGCAGTGATCAAAGATGGCGCCACTGCACTCCAGCCTGGGC	17338
TGCTAGACTAGAAGCTCCATGAGAGCAGGAGCTGATCTCCCTTGTTCACAGTTGCACCTCCTGTTCCCAGCT	17339
AACTGAAAATCCGGGTGGGGAAAAGAGGACGTGTCTGAGCTGTGGAATCTGGCAGCAGACCCCCCTCGCTTCA	17340
TCTTGAGTAATCGCCCATCTGGAGTCTAGTTTGCATCATCCTGACTCTGGCCCAGTGGTGCTGTGCCAAC	17341
TCTTGGCTCTGTCGCTCTCTGGTTGTGTGATCTTGGGCAAAATACCTCAACCCACTGGGCGTTAGTTTCTCT	17342
CGAGTCCAGACTCAAACCCAGCTGGGACTGTCACTTGACAGTAATCCAAAGCCTGTCTGGTGTTCAGGACTC	17343
GCAGGCGGCCGCGCGGGTGTTTGTCGCTTCGCGGGGCCTTGCGGCAGCATGGCGAACCATCTGATCAGTGGCGG	17344
CTCTCCAGTGCAATTGGAAATCCTGAATCTCAGCAAAGATCAGGCATGCTAAACTCAACCCTGGAGACCTGC	17345
TCTTGACATGTAAAACACTTTGGGTCTGGGCGTGGTGGCTCATGCCTGTAATCCCAACATTTTGGGAGGCTGA	17346
ACAGAGCGTGGCCTGGAGCTGGGCGAGTAAAGCTAGAAATGTCGTCAGGAGCTGAGTTCAGGAGCCTGGAT	17347
AAGCCTGGGGAGAGGGACTCTTAGCGGGGCCTTTGCTCACTTACAGGCCAGCTGCAGCCATATTGTCCAA	17348
GGCCTGCCCTGGGCTTTGCAGCCTCATTGCTCTTGGCGTGAGGAGCTGGGGGTCGGGGGGCGAGGTCACAC	17349
TAGACAGCAGACCCCTTTGAAGGCAGGAGCTGATCTGTCCATCCATGCCCCGTTAATGTTGGTGTATCGTCAG	17350
GCTACTGTTCATTGAGCACTTACTGGTCGCCAGTCCCCTTTCTAAGGGCTCCATGCAACTTAACTCCCCTAA	17351
CTCTTGACTACTTCAATCTGCCTGAGCTAAATCACTAACTCAGTTCAGCAGACAGAGACCACAGGTATGA	17352
TTAAGTGGCAGAGCAAGAATGCGATCCCAGGTATGGGGAACCTCAAAGTCTGGGACAGTTCCAGGCTTCGG	17353
ACTGGGTGCTGAGGTCCCATACCCGGCCGTCGAAGGTCACCACGTGCTGGGCCCCAGCCACCAGGGCATGGT	17354
GGCTTTGAAGTAGCAAATTGTGTTGGTGGGATGGAGCCGCCATCAGCCCCATGTTGGACTGTTGGCAGCC	17355
CCTCTTGGCTCACAAGTCGTGTCCACTGCCCCGTGGTCCAAAGGCTCCATACCATCTAAGAGGCCTTCTACAG	17356
ACCTCATGAGAGACCCTGATGCCCTGGCTAAGCCATCCTCAGAGTCCTAATTCACAGAAATTGTGGGGAATC	17357
TCCTGGGGGAGGGCTAGCTACATTGTCTGCACTTTGATGACAGGCATTACATGAGGCCCCTGGATCCCTA	17358
AAATGTAAGAAGCATTCTTAGCTCACAGGCCCCATCAGAAAGCGGGCAATGGGCTTTAGTTTCCAACCCC	17359
CTCCCGAAAAGTGCAGGAGATGAACAGGCTTCTTGAGAGACATGGTCAGTGTTCACTTTTATTTTTATTCAC	17360
GTTGCTGATCATGGGAAGCAGCATACCACAGCATTAGGATCACAGGCTGCAGGGTCATATTGCTTAGATTTGA	17361
GTCTTCCTTAAGTCCTGAGTTAAACAGAAATAAAAACTGGTAATTATTGGGGATTTAACCAGGTGCTGGATA	17362
GCTGTTTCTTGGCATTCAGGCTTTGTGTAGTTTGTTAAGGCTGCTGTAACAAGGTACCACCAACTGAGTGCC	17363
ACTGCCGCAGTCGCCGCGGAATTCGGCGAGTAGAACCGCTGAGGCGGGCGCGGGCCCGGGTGGGGCCAAGGT	17364
ACGACCAGAATAGCTTATTAAGGACCAGCTTTGCAGGTGACTGCGCCATGCTGAGAATCGCTGTTCATTTT	17365
CAACATCACGAAATGGAAGAAATTATAAGCCAGGCATCATAGTCTGGAGCAGAGGTCTTCAAACATTGGT	17366
CTGGGGGATGTAGCCCAGCTTGGTCTCAGGTCTTGGATAGAGAATGATCAGTTTGCTGGGATGGGAAATTCAG	17367
TAGGATGCTGACAACAGAAATTCAAACAAGTGCAGAGCCATGGAGCTGTGTGTGACTGCACAGGCCGCATGTCC	17368

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Table 1. Novel miRNA sequences

CTTAGAAGTGGATCCTCCAGCCCCAGTGGACAACACATGGAGCCGAGACAAACCTCCCAGCAGAGCCCTTCC	17369
AGTTGCAAACTCAAACCCCAACAGCCATCTTGTGGGTAACACAGACAAGTAAAGTGACCTGGTGGGCCCGTGT	17370
CAGGGATGAAATATGATGCCAGGATTTTATTCTCCTTTTGAATGGAGAATTTTGCTTGTCTTCTTTTTTCTTT	17371
TTCTCTCTGTGGGTTATTTCGACTCTTAGCGGAAAGTCTAGAATCCTGAATAGGGCTTACGAGGCACTCC	17372
TTACTGATGATATTCACTTTGATCAATTGATGAAGGGGATGTCTATTAGGCTTTCCACTGTAAATTTACT	17373
CCCTGCTCTCCTTACTCCCTGCTCCAACACCAACTTGGACTTGGGGCGCCTCCTCCAGGTTTCCAGAGCT	17374
AGGTTGGCCGAAATCATCAAAGGAGAGATGGACGTGAGAAAGCTCACAGGAACTTTTTTTTCCCTTTCCAGGA	17375
GACTGGCACAGCTGAATCCTGGCCCTGGCTTCTAACAGCTTTGGGGGGTTAGCTCTACAAAGGCTACAGTT	17376
GCCATTTCCTTTGACCTCCAGTGTGGTTACTGATGCAGAACCTGCTTAACATATCATAATGGAGTTTTCTT	17377
AGACAGAGACCTGGAAGTGAGGCTATCACAGGAGCATGCCCTGCCCTCTCCTCTCTCTCCTCTCCTTCCTCTC	17378
TTAAAAACTCTGACTCTTATGTGTAGCAACTATTATGCTATATGCTACAAGTAACTGTCTTAAAAAGATC	17379
CCTTGCTTTTGGGCATAGTCTGCCAGGTCAGCACGTGGATGTATTTTTCTCCCCACAGCTCTGTGCAAAAGC	17380
TGGGCTGTCTGCACGTGCAGTGGCCTGTCAGCACTTGGGAGGGGCCACATGTGCAATGTCTTTACTGAAGTTG	17381
AGGATCAGAGCTGCAACTCATAATTCAATCTTATTTTGTAGCAGTTCTTTCTGACTAGCATATTTCTATCTGAC	17382
GGGCCCTCACGGTCATCGATGTCCACGGTAAGCCAGGGGGCTTCCCCTGTCATTACTGACTATCCAGGAGAAGC	17383
TCGCGCCCCCTCGGCCCCCGCGCGCCGCTCGCGCCCTCCGCGCGCCCGGGACCAGCAGCCGCGGCGCGGCCCGC	17384
GGTGAGACAGGAAAGCTAGAGAGGGCTGGAGTTGGGTATTCAGTTCAGCTCCGGTGAAATAGTTTCTTTTCAG	17385
GTAGCAGATTGGCTTTAACTCCCAGCACTGCTGCCTGCTAGCTGGGGGCCCAGGATATGTTCTTTCAACC	17386
CTTGACTTCCTTTACAAGCTATGCATCAAGTGCAGATACTTCAGTGACGGGCACCTGCTAAAGGAGCCAG	17387
CTTTTGCATGTGGCTGTCCAGTTTTCCCAGGACTATACCCTGGTTGACAAAATTGTGCTTTCCCTGTTGAAT	17388
TTCATCAGAGCTCCAACAGCAGGCACAGAGAAGCAGCACGGGCAGCGGGGAGGGGAAGCAGTGGGGCCTGTGGG	17389
AGGAGAAGGCGCGCGCGCAGGGACTCCGGGCAGCGCGCGGGAGACCGGGTGCGAGCCAGGGTTCGCCGTCA	17390
TAATTTCACCAGGGCGACTACAGTTCCTTTACAGACTCTATCAGATAGCGGTAGTAGTCAGCACCTTGAACAC	17391
CTCTGCAGTGATGGAATTGTTCTTGTCTTCACTGCTGGTGGTCACAGGAGTCTACACATGTGATAAAATC	17392
AACCTGGGCCTCAGACACTGGGGAAAGGTGGCCATGTCCAGTTTTCTCAGGAAATTAGGAGGCAGGTCATC	17393
ATTGAATTGAGGTTTATCATTTTCCTGCACATGTAAGCTTATCCACGTGGCGTTTTGGTAGGTCAGTTGGTTT	17394
CATAAGCATCTGATGTAAACACTTGTAGGGCGGGTCAGAGATTCTCCCGGGGCCCTCCCTTATCTGCCTCCTGC	17395
AACCCCAGTGGGAGCCTCCATAATTCCCAGGAATCCATGTCCTTGTCCCTTGGCAATTCGGGCTCCTATTCTC	17396
CCTGACCTCAGGTATACCTGCCCACCTCGGCCTTTCAAAGTGCTGTGATGTAAGGTATGAGCCACCATGCCTGG	17397
TTCTATGGGTGAATGAATATCTGTGCAGTATAGCATAGCAGTTAGATAGATGCATAATCTTCAGTGTCAGGCAC	17398
TTTTAGTCTCTTGACTCAGTTTCCCTAATGTTGCCTTTATCTCAGGCAGGTCTTACCATATGGTCCCAGAGA	17399

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Table 1. Novel miRNA sequences

CCCACAGGAAACTCTGTGTTCCTGCCAGGCTGCGTTTTGTCATTCCAGGAGCTCTCCAGGCCCCTCCCTG	17400
ATATTTTCTGATATCTAGCTATGACTCATGAAGTTGATTCCATGACCCACAGTGTAGCATGGCCCTCGGACT	17401
ATCCAGCTGTGGTGGTTCAGTGGTTCCTCCAACACGCTGATCCACCCCACAACCTTGCCATAAAGCCTGT	17402
CTGGCTCAGGGAGTTGCTGAAGCTGCGGTAAGCAGGGTTGCCTGCGATGACGAGGGGCGTCTCTGTGCAA	17403
GGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCACGCCTGGCCTGGGGCCATCGATTTTTGAAAG	17404
ATACCTCCCAGGCCCCCCATTTGATTCCCAGAATGCTGATGGCTGAGTTTATTAATACACTGGAGATGGGAG	17405
CTCTGCCTCCCCCAAGGCCCTCCTGGCCCCTGAGCCAGACCTATGGGCCATACCATTGGGACAGCAGGGGC	17406
GCAGTGCTGCAAGCCCAGGGTTTGTACCCACAAAACCCCAAATTTATAACTCAGGGTGCTTGTAGATACCACTG	17407
TGGGGAGGGGGAGAGGGAGGGGACATGTGGCAACAGCAGCTCAAGTGACTCAGGTCTCGTATCCGCACCTCAG	17408
TGGGGGTGCAGGAGAGCATTAGCAGCCTCTCTTCCAAGAGACACAGCCCCCGGCACCTCCACCCGGCCCAGCA	17409
ATGCCTGAACTGGGGAAACTGAAGCCCCATGGGACCAGGGGTTCCACTGGGCATCAAGGGAGGAAAGTTGAGC	17410
TTTTCCAAGGCACTAGCATGGAAAGCACAGGAGTGTCCCTGTCCTCCAGGAGCCAGTTCACAGCATAGGAAGG	17411
GCAGCACAGCCCTGCTTCTGCCCAAGGCGAGGGCCACGGCCACACGGGGGGCCTACAAGAACATCTGTGC	17412
TCCCGCCCCCTCCCCGCCCCCGGAGCCGCGGCCTCGCTGAGTGCCCAGCCGCCCGGCGCCCAGGCCTGGGGC	17413
GTGGATTTCATTTCTGCCTTTTACTTCTTCTTTCTTTGGAGGCAGAAATTGGGCATAAAACAATATGAGG	17414
GCTGTTTGAGAGGCCCCGGCCGCCCCCGTTTCTGGGCCCTAGCCCACCAGATCGCTGTGCTGGCTTCCTGGAGC	17415
TCACCTTGGCCTCCCAAAGTGCTGACCTAAACTGGCCCAGTCTGGGTCCAGTTTAGGGAGGAAGAAACAGGC	17416
TTCTGAGCAGCAGGTCTCCAGAGTGGGCTTAAAACACTCAGTCTTTGGCCGGGCACGGTGGCTCACGCCT	17417
CCCAGGCTAGAGTACAGTGTATGGTGGCATGATCATAGCTCACTGCAACCTCGACCCCTTGGGTGCAAGT	17418
CAATTTTGGAGCTTGCCTGCCCTGCATCAGTAGAATGGGCTAACTACTTATGGTGCACTCAGGCTAAAGAGGCT	17419
TTCACCGATTTAATGGGAGCCTTAGTGAAGGGGAATGATCCCTCCCAAAGTCTCAGGATCATTGTGAAGATGAA	17420
CTGGCCAACATGGTGAAATCCCATCTCTACTAAAAATACAAAAATTAGCTGGACATCATGGTGGGTGCCTGT	17421
GTCTTCATAATATTCCATGAGGGAGGCTGTTTCCCACAGTGGTGCAGCCTTTCCATGCTGGTGAAGATTGACA	17422
CCTGAATAAATCGCAGGGGGCTCATTGAATCTGCACAATCTGATTCAGCAGGCCTGAGATTCTGCTTTTGTAA	17423
CTGGGGCCCGGTCTGTAGCTTCCACGTCGGGGAAGGGCGTCGCCGCCGCTTCCTCGGACCCGTCCCCCACC	17424
AGCAAGTCCAGTTGGCCCAGGATAGGGAGTTGGGGAAAGTAACTTGCCCTTTAAATTTATACTGTCCTCTCCAG	17425
TGTATTTTGACTCTCTAAAAAAAGTACTTGGTGGCATATTAAAGAATGAGTCATTGAGTTTACAAAACACAAG	17426
GGACAGGGAATCAGAGCTTTTTGTGGCTGCCTTACCCAGCCAGGGCAGCACCAGAGAGAATCGTGGCTGAGGCT	17427
AGCAGACCTTCTTTGTTCAAGTCCCTGTTCAGGTGCCACTTGTGGCTGTCAGTTCAGGACTGAAGAAGAAGGA	17428
AAGGCTCATTAATCCAAGATTACTGGAAGCAGATGATCCTCTTTCTGAAGGTTAATGGTAGCCTAACACTA	17429
CAAGGTGCTGATTGCTGGTAAAGTGGTGGGGCTCTCTAGAGGTCCACTTCCGATCTCATCTAGGGTACCA	17430

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Table 1. Novel miRNA sequences

AACAGAGAGCCTCCGGATATGCGGACGCCAAGTGCAGAGGAGGGCCATGTACCAAACCAGACCCAGAGGACT	17431
ATGCTGTGGGTTGGGGCTTGCTATCTCTGAGATCCAGACCATGGCTGAGTCAAACTCATTATGAACCATTTA	17432
CCAGGCTTACTACTATATTGCCCAGTACCCTCGCCCTATTGGTGTGACTTTGGGTGAGAGCTTTAACCTCTAT	17433
TGGACGATGTTCCAGACACAGGACTAAGCACTTGGCAGGACTGCACTCTGATAACTTGCCCAGGATTGCACT	17434
TTTGGGCTCCTGAGGACTGTGGTAAGAAGTTTAAATTTTATTCTAGTGTGAATGTGGTGGCCATGAGAAT	17435
GTTGGATCCTCAGCTATGCTGGCGTTTGTCTACCAAGAGTAGTCTGTGTGCCACCCTTGTCTCTGCTGACAG	17436
ATGGTGAGTCTCACATTGAACTCAGAAGTAAGCCACACCTGGCCTATTTCTAGATTAATGAGTTTTCATT	17437
GCATACCCCAAATCTGGCAGCACTCGGACTCCTGAGGACAGCAAGGGAAAATGCCATGCCTGGGCTCGGC	17438
GTGGTGTGGTGGGGTCAGTGGTGTGGGCAGTGGCTTAGAGAGGTCAGTGGTGGGTGGGAAGGCCGTGTG	17439
TCAGGCATAGACCAAGTATGAAGGTGGCAGTCAAGGGCCGCCCACTCTCTCCCTGGCTTGTCCTCCCCACTGG	17440
TTTAGATATGAACCAACTGATCAGTGCTCAGCAGTGAGGAGGACAGCATGCTGGGCTCATCCTGCCTGGCCCT	17441
TCCAGCAGGATCCAAAATGGCCTTTGTGGAGTTTAATGGGCATCTAGGCTGTGGTCCTTCTAAAAGTAGCC	17442
CCAGGCTTTGGCTCAGTCAATTCCCATTTGCAGCAAAGGATGCTTGAGTACCACAAGGCACAATGTTCCCCT	17443
ATGGTATCTTCACGGTAGAGGCATGTCCCGGCAGAGATAGATGAATAAGACTCTGGGATCTCCACTGCCATCAT	17444
CACAGTTTAAAAGGGAGGCAGACGACTGATGGGAAACCACAGTTCAGCAGGGTGAGCACTCAGATAGAGGACA	17445
AGACTAAATGTTGCCCAGAATCAGTGTTGGGTTATCAGTTTATATTAAATATACTGAGTTGCCCGTTTTGAAA	17446
TCTAAGACTGGGGACATTCACATGTAACTGCTAATGGTTACAGGTTTCCTTTTTTTTTTCTTTTAGAGACAGG	17447
CTCAAATGCTTTTTCTGCATCTAATGAGATGACCATCTGGTTTTTGTCCTTCATGTAGAATGTAATTTCAA	17448
AATTTATTAGCATAAAAGTTTATAACATCCCCTTATTATCCTTTTAATTGGTATGTTGAAACTTCTGTGTGTA	17449
GCACAGGTAAACTCTTAAGAGGCTGGCTAATGCCAGGTGATACTCTCAGCTTGTGAAATCTCAGCCTTTTA	17450
CGGGCGAGGCCGCCCACCCCCGCGGATCCCCGCGCGCGGGGCGGGGCAGGGGCGGGAGCCGGAGCGCCG	17451
TGCAGTTTACAGGTTGAGTGACATAGGGAAAGCTACGTAATCTCTTGGAACCTCAGTTTGCTCATCTGTAAG	17452
TAGGATTGGCAGGATTAGCTTATGTCCATGATGTTCTATCACCTGGAAGGGGTTGTGTTGCCTTCTAGAA	17453
GGCTCTATCGGGCCCACAAAAATGTCATAAAAAACCCCTGTAGTTCAGGTATGGCTGGTGTGGTGCACTGG	17454
GGCTTGGGATTCTGTCACTTGGAGCTGTGTGGTGACCTTATGCAGTGTTTATGGGGTTTACACAGTGGTTGTCA	17455
TATAAACATCCAGGTGAATAGAGTGGCCTCCATGGAGAGGCATGTTCTGTGTGTTTTCTTGCCCTGAGAACTA	17456
GCTCAACAGATGGTAGCTGTTTTTATTCCTACTATTGTTATTAAGAAGAATGAAGCACTGTACTCATCTGGGT	17457
TGGGGCAGGGCAGCTCAACTGATGGGGGCCTGGACCCCCCCCACTGCTCCCGAGGACCCTCCTCCCCACCAG	17458
AGTTTATCATCGAGGAATGGGGGGCCCTTAATCATAGATGTCATGACACTAAGTGCAGAATTATGGGTCTCCAT	17459
TTTCCTTTTATGGCTGGAAGGTCCCAGAACCTATGAGCTAAGGGGCTGTTTTCTGACCTTCTCATGGCCTTG	17460
TGTAAATGCCTTGTAATGGTGATGACTGCCCTTCCTGGGCTCATTGTCTCTGGGACCAAGAGGCCAACAAATG	17461

Table 1. Novel miRNA sequences

GAGCCTGCCCAATGTCACGGAGCCCTCGCCTGCTACTAAGCAGCACGTAGGCGCGCTCTGAGGGAGTCCTCAGC	17462
CAAACTGCAATGCGACATTTGTGAGCCCCAGTTTAGAGACTGGGAAGTGAAGGCTCAGAGAGGAAGTGACTTC	17463
AAGACAGTCGTATTCACAGAGGCTTTCCCTGAAGTATCAGAGGGTCATTACATCTGTGACATGAAAGAAAATC	17464
GGGAGGGGTAAGCATCTTGCAAGAAGTCCATACCTTATTGTGAATTAGCTTATCAGATAGATGCCAACCCACAC	17465
CAGAGGCCCCACCCACTGACCTATAGGCCATCACAAGGGCCACCAGCTGGTGGTAGAGTTCTAGGGAGCGAACC	17466
TGGCCACACCTGAGACAAGTCCGCTGTTGGAAACAAAAAAGGAATCAGTGGGCATTTAAGCCCTTCCTCC	17467
AATGTGGGACCAGCGCAGAGGGACCTGCCCAAGGTCAGGTAGTGGTGAGTGCTGGAGCCAGCGCTGGAAGC	17468
TGTAACAGCTAACATCCCATATCCTGACTAATGCACTAATCGTATGCATGTCAGAGGCTATTATGGCAAA	17469
GCACAACGATGTAACATCATCTTCTTACTACAAAAATGGTGAGAAGAGTTTAATGAGCATATCTGGAAACT	17470
GTTTTTAGCTTATCAAGTGAGACAAAGTTATCAAAATATCTTGTTGCTTTGCAACTTGCTAAGCCTGTTTTGT	17471
AAATTTGAAACTTTTCTCTAATTAGGATGGCTACTAGTAATATATATATATACTACTAGTAGTATGTGTATA	17472
GTTTAGCATGGGTCTAGCAAAGAGCAGGTGCTCAATCAGTGTTAGCCCTACAGTAGCAACAGGTTTTTAGAAA	17473
TGTGTATATATGTATACATATATACACGCATACATATATACGTGTCTATATGCATACATATGTACGTGTCT	17474
CTTGGCCAGTGGGACATCAGCAAACATGTTATAAGCAGAGGCTTGAAAGGTCCTTGTGCATTGTATCTGCCCT	17475
CATAGAATCAACTCATATTGCTTTTTGATTCCGGAGATACCAGAGTATTCATGTATTGAAAAGTAATTCCAAGT	17476
GAGTGTAGTGGTGCATGACAGTAATCCAGGCACTTTGGGAAGCCAAGGTGTGAGGATGACTTGAGCCCAAGA	17477
CTAATTCTTTGCTTAGGCTGATATCTGTAGAAGTGTTCTGATGTTGTCTTCTAGAATTTTTATAGTTTCAGGT	17478
CCCAACCAGAAACAGGGTATTATTAAACGCTGTGTCCTTCCTAGATTCAAGTAATTATCCTATCTGGTCTAT	17479
GAGAACAAGACTTTCTGGAGTTGACGATGAGAGACTTTTATCAGAGTCCAGTTTTCCCAGTCAAGGCTTT	17480
GACAACTTCTGAGGGTGATAGATCATTATTTTGATTGTGGTGATGGTCTTGCAGATGTATATTTATGTTAA	17481
GAAGTACATTTCTGCACATATGCATAGGATTTTTCAGAGAGAAAATAGCCTGTCATAAGTGGGATTATTTAGTC	17482
TGAGGAAGCAGCCTGTCCCATACCCCTTTCCCCCGGACACACCTCTTATTCTCATTCTGCTTCTCAAGTGGT	17483
TTGTGTAAGGAAGGGGTCCAGTTTCAAACTTCTGAAAATGGCTAGCCATTTATCCCAGCACCATTTATTGAAT	17484
CAGGTCATAAGTTTGCCAGGAAAACAATTATTGTTGTTTATCATTTACCACTGTCTGGTAAATGTGCTGTGCTT	17485
TCCGAATAGCTTATCAGACCAAGGGGCCTGAGATGAGAACTGGGGAACATGTGCAGGAGCTGAGGTGGGGTA	17486
TAGGACTTTGTATCAGGTCACTTTATCATGCACAGTGTCAGGGAGCAGATCTGTTATTCACAGGGACTATT	17487
TGTGTGTGCTTGTGTGTGTGTGCTTGCGTATGTGTATGTATATACATACATATATACAATATTAAATTTTATA	17488
CAACAGACCAAGGCAGGGAGTGTCTACTTCATTTCCCTCCCATCTAGTTTCTACTCTACCTGCTGGGATA	17489
CGGGGCCTGAGGAGCCGGCGCCCCGCCTCGCCCCGCCCCTCCCCGAGGCCCGCGGCGCCGCCGCCTCCACCTCG	17490
AATTAACGAAGTTTGAGGTCATCACCACCACCTAAATTGGAACCAGGACTAGGGTCTTGTTGTCTTCTTGCC	17491
AGAACTGGAGGCTGCTGCAGGCTCAGCAAGGAAGATGCTGGTGGTCTGGGCTGGGGTGGAGCAGGAAGAATG	17492

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Table 1. Novel miRNA sequences

AGGGGTTGGCTCACAGGGAGGGTAAGGACCCTGGGCCTCAGGCCCCTCCTGACCCACCTCTCCCCCAGCAAGTC	17493
GGTCTTCCTACGACTCTTAGCAGGTGACAGTAATTTGTGGCACTTCCAAAGGCAGCTGTGGGGCTGGGGC	17494
CCTGGGAGCTGGTCTGGAGAGAGAAACACAGTCTGGACAAGAGAAACGCTCATCAGACACCACCAATAAA	17495
ATGCTTTGGCTTTCCACGTGGATTACTTACTTCATCAATAAAATTTCCAATTTCATCGGGATTGGCAGGGCGG	17496
TCTTGTGCTGACCCAGAAATTACCCCATTTTCAAGTCACAAAGGAATTATCAAGTGTGATGGGCCCATGGTCA	17497
GTGGAGTGGGGGCGCGGTGCCGGAGACCGGTTCGTTCGGGCGCGGTCTCCAGTCCTCTTTTTGCCCTCAGCATT	17498
GATGTCTGCCCTGTTGCCACCGTCATTGCTAGGCAGCTGCTGCCACCAGGATAGTATTGCCTGGGGGCCAGGG	17499
CCATTCACACTCTACCAGAGTGAGTCTAGTCTGTATGACCAAGAGCATATGGTGGAAGTGATAATGTGTC	17500
TGAGTTGGGAGTCTTCAGCAGGAGTGGGGTAATCACACTCAAAGGTGGCAGAGATCTTACTGGCTGCTGTGAGA	17501
GGCGGGGCTTTGTCATATTGCCCAGGCTGGTCTTGACCTCCTGAGCTCAAGCGATCTGCCTGCCTCAGCC	17502
TTGCTTGAACCTGGAAGGCAGAGGTTGCAGTGAGCCGAGATCACACCACTGCAGCATAGGCAACAGAGCAAGAC	17503
GTTTAAGACCTATGAATTGACACTGAAGGATGTCCAGAACATCCTCATGTACTGGGACCGGAAGCAAGGAG	17504
GGGCTGGCCCAGTGCCTTCTCTAGCAGCATGGTCTAGCTATGCCACGTGAGAAGGGGAAGCCAACTAAAGACA	17505
TCTGGTGGGAGGGTTTTCAAGTGACCCACTTTGCCATACTGTGGGTAGCAGCACTGCCATATTGCCAGTT	17506
CCAAACAAGAGAAGAGCCGAACCATCCATAGAGGATGGTGCAACAAAGCAGCAGCCAAAATCAGTGTTGGAGA	17507
TCCCCCAGTGCCTCTCAGATGCTGGTCCCCAGCCTGGTGGCAGCAGCAACAGCATCACCAACACATCGGGAAC	17508
TCCTCAGATGTTGGTATTGAACTTCGTTACCGGAGTGCTCAGGGAATACACTCCGACCTTCCAATGCCTCA	17509
ACTCTCTAGGATGCCGGAGCGGTCTTCTCAGTGGTTGTGTGGTTTTACTCCCGGGAGGAGTTTCCACCCGG	17510
AAAAGTTTACCTAGTGGAGGTACTGTGCTTTGTGTGTTGGAGGATGAAAGTACGGAGTGATCCATCGGCTAAG	17511
TGGCAACTGTTCAGTTATGGAACCTGCTGCGTCATAGCCCCAGGCTGCGGGTCATCAGCAGGACACTGAGCCG	17512
CTTTAGCGATAGTCTCTTCATATCAGTAGGAACTGAATAGAGCCATATTCAGTGAGACAATAAGCTAGTC	17513
TCTGGAGTCACACTGACCCTGTGGGATTATGGTCACACACATCAGACGTGTGACCCTGGGACTTTCGGTTGA	17514
CTGGCCTTACAGCCTGGAGAGTCTTTTCCTCGGGCACAATAATGAACCATGCAAGTGTTAGAAATATAATC	17515
TGGGGGCCGGGAGCGGCGGGGGCGGGGGCACTCGGCACCGCGGACCCCCCCATACTCCCCCCACCGCCGGCCGC	17516
TAGGGCTGCTTTGGCGCTACAATGGCAGAATGGAGAGTTGCTACGGAGACCATCAGACCCGCAAAACTGAAA	17517
CCTTTCTAGATCTCACTGAATCTCTGAAAAGGGGAAGTGGTGTTTTCTAAGAAAGTGTGATGATCTACTTCT	17518
TTTTTTTTTTTTGAAATGTAGTCTCGCTATTGTTGCCCAGGCTAGAGTGCAGTGGCGTGATCTCAGCTAA	17519
TAATAATTGTGGGTCTGCCAGAGTATGAATAATTCATCTACCAGGGAGAATTTTCACTGTAACTCCTACAGT	17520
ATGGTAATTCTGTGTTTAACTTTTGGAGGGAACCACCAAACTATTTCCACAGTGGCTAAACCTTTTATAC	17521
CCAAAGTGCTTGAATTATAGGCGTGAGCCAGCACACTGCCTGGCCTTTCAAATAGGATTCTTTACTATTAATT	17522
CTATTCCTGCCTATTTTTAATGCATGTATGTAACCATAAGGTTAATGCATATGTGCAACCAACAAGGTTA	17523

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Table 1. Novel miRNA sequences

ACCTCACTTGGAGAACCACTGGTCTAGTTTGTAACAGATTGACAGACTACTGCTTCATTCTACATGTCGGT	17524
AGGCTGAGGCTTATTGTGTTGACTGAGTGGTCACCATGGTTGCTGCCTCCCAAGAGAACATGGTCACTTCC	17525
GTAGGGCAGACCATTAGGAAGAACTGAAACTGCTCTCCATGGTGATATTTTTTTCTTCTTCAGGAAGCCTC	17526
TGGGAATGTAAATTGGTAGAACCACTTCAGAAAACTGACATTTTCTACCGAAGCTGAATTTGCACATGCTA	17527
GCCTCGGGTTCCCAAAGTGCTGGGATTACAGGCGTGAGCCCCCGTGTCCAGCCCTTTTGATGGCTTTTCTAT	17528
CAATAGTCGTTTTTTGTTGGAGAGAGGCGACTGAAGTCCAGTTTTCCCAAGGAGTCGTTAATATCTGTAA	17529
GGCTCATGCCTGGAATCCCACCACACTTTGGAAGGCCAAGGCAGGTGGATCACCTGAGGTCAGGAGTTTGAGA	17530
CACCATTAGACCTCAGTGGCCCGCAGCAATAAACATTCGATTCTCGCCATCTCTGGGTTTGAGGTGACCT	17531
CTCTGCCCTTAGGGCCATGGTTTCCCCTCTGCTGGCAGCATCGGGTCCATGTCCCTGGAAGGTTCCCATCTCTA	17532
ACTGAACTGTCGTGCCAGTTTAATCCAAGTTGGAAACGTGAAGTGAATTTCAGTGGAGCCAGAGGGTGTGAGG	17533
GAACTGCAGAGGGTAATGCTAGGTGGTCTGGAAGAGAAAATAGGCAGAGTGTTTCCCATTCATCTCTAAGGT	17534
AGGAAGTCAGTCTGCATCTCTACTGGTACTTTTTTTACTCTTCTAGTAAAAAATCACTGTGATGCTGATG	17535
GCTGAATCACCCTGGAGAATCTTTCTTCCTATGACCAGGTTACCCGGGAGTTTCAGCTTGATTGCATTAGGAAA	17536
TGGATGACACAGGAGGGGCTGGGGCGGAGGGTCAGAGCTCTGCACGCCTGGTCCCCTTTCCCTTGCGTCCCTGA	17537
ATGGGTGGAGGGGAGGAGGGCGGGTGCCTGAGGCAGGGTCCTGACCTTCAGGGGCTGGGTGACGAACATGCTC	17538
TCCTGACCTCAAGTGATCTGCCCACCTTGGCCTCCCAAAGTGCTGCAATTGCAGACGTGAGCCACTACACCCA	17539
GCCACTTTTGATGGGGCAGAGACACCGTGGCCTGTTGCTCACACCTGGCTCAGCCTGACAGGCTTTCCCGAA	17540
AAACTCAGCTTTGGCAACACACCCTCATGGTCAGCTCAGAGAGGACTGGCATCCCCGGGTTATGTAGAGAGAGC	17541
TTCCTTCCATCTCCATCACCTTGAGCATCTTCTGGGCAGCTGAGGTGACCGCAGATGGGAAGGAA	17542
TGGTGTGTGTGTGTGAATGTGTGCACATGGGTATGCAAATGCATGTGTGCACTGTACACATACATGTGACTGTG	17543
TGTGGGGAGGAAAGTTGTTGGGAAAATACAGTTATCAGGCCCAAATTGTGTTGAGCTCCCCGAAGATGGAA	17544
AGTGTAGGATTTCGTTTTGTCAATCTCCAACCCTAACACCCAAGGAGGCAGAGAATAAGAGCAATATACACTT	17545
CCTGGTGGGGGGTGTTTGGGTCATGGAGGTGGATTCTCTCACGAATAGCTTGGTGCTGTCCTTGTGATAATCAG	17546
TGGCCACTGCAGGAAGGTTAGAGTCAGAGAAGGGGAATCTATTTCAGCAGCCTTGTACAGGGCAGAAATTGT	17547
AATTGCCCAGCAGTCAAGTTTTCTCTTCATGCTAGTAGCAGCACATCATAGCGGTTGACGATATGGGCTC	17548
GTGCATCCTTTTTTCTTCTTATCAGGACTCATGCAATCACATTGGGTCCTCCCAGATAATCCAGAATAAT	17549
GTATGGCAAGTTGTTGGACTGTCAGGATATGCCCTGGGTAGGGTATGAATATATGTGATTTCTCTTGCCA	17550
GCTCAGGAAGCCAGAACCTGAATCTCTTCGAGGAAGTTCTACAGCTGACTTTTAATCATTGGGCCATAGCA	17551
TCTATAAAATAATGAACCATGCATAATTGCAGCAGAGTTACCAAGGAAGGCTGTAAGGATGATCTCACTGGT	17552

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Table 1. Novel miRNA sequences

AGAAGTGACAGAGGACAAGTTTAAAGGACTGCACATATGCAAGCTTGCATGCTTGACTAGTTGCATGTTTGAC	17553
TTGCTGGCCCATGTCACCTGTTCCTGCTTTGTGACAGAGACACTCTTTAGTGTGGGAACTGAATATGCAAAT	17554
GGGATCTGAGGTTCAGCCAGGAGGAGGGGTGATGTTTGAGAGGCCCTCCCATAGCTGTGCTTCAGTCTCAC	17555
AGTGGGTCATGCCTGGCTAAGACCCCTGCCCTTGATTGGCTTAGGTATCAGCACATCATGCAACACTGGCCCG	17556
GACTGTCAAATCTCTGAAAAGGGGCTCGCAGGAACAGTGGAAGATGCAGATGTGGAGCCCCTGAATGAGGGA	17557
GGACAGGCTTATCTATTCTGTGGAGCCAAACCTCCATAGTTTTTATTTTCATAACACCAACCTGTGTGGG	17558
CATAGGCCCTGGTAGTCTAGTGGCCCATTGCACAGCCTGGTAGCCTGAGGCCCAGGCGTGCTGGGACCTGAC	17559
GGGTCGGCACATTCCACTTGGGGATTATCTTCATGGTCCAGTGCCTTTGAGTTAGGAGTTCTCCAAGACGTGCC	17560
ATGGTTAGGGAACAGAATCGCTGCCCAGTGGCCTTTCTGCACCGCATCCCATTGCCAGGGAATACAGAGCA	17561
GGGTCTGCTTGTGGGGGGCCGGGCATAAGCCCAGCCATGCTGTCTTGGGACTCTGGAGCCAGACACAATTGG	17562
CCTGGAGGACATTTCTTGCGCTGGCTCTTTAAGAGTCTATGCCGGTGCTTCCAGCAGATGTCCAGGTTCT	17563
GGCCAGAACTAGTCCTATGAGCCTTCCTAGCAAGGGGGCTGGGCTGTGCACCGATTGTGTGGCTGGAGGGTA	17564
ACAGATTGGGTGGGGAGCTCAGTCAAGTCAGGGTGGACTGGGCAAGGTGGCTCTGCCCAAGGTGCAAGCCC	17565
TCTCCTGGAAGCCAGCGCGACCTCCTCGACTTCCGCATAGTGCTGGAGGGGCAGGCAGGAGGCTGTGAAGCTC	17566
CATCCCACTGAGAGAGTCAGCCAGGGACCCAGGCAAACACACGTTCCCAAGGTGCCAACCACAGGCTCGG	17567
TCCAGGGTTCGCCCCTGCATGTCTCGGTGGTTGACTCCAGATGGCTAGCACACAGAGACAAGCAGGGCTTTCTT	17568
CAGACTAACTCTGCGTGCCATGTGGTGGCTGTGTCATCCGTGGAGGCTGCTAATGAAGCTCTTTCTATAA	17569
GCCCAGCACATTCTAATGAGAAAGGTGACACCACCTACCCCTCTATCATTCACGAGCTTAGGACAGCTGGGT	17570
AGCCAGAGAATTAATCATTCTCACCCATTCCTCCCTCGCTGTGATGAGTGATGGGGAGGAGACAAAAGGAGA	17571
TGGGTGCCTCCTATGAATTGGCAGCGCTCTATTCAGGAGCCCAAAATTAACCCAGTAAATCATGGCCTCA	17572
CGCTGTACGTCAACACTGGGCGGGGATGGTGACTAGAGCTGAGAATGCAAGCAGCGCCTCACCTCTGCCCAT	17573
TTTGCAGGTTTGGAGGAAAGACCCCGTGGAGCTTGGTGGTCTCTGCCATTGCTTGTAGCCCAGCAGTCTG	17574
GAGGCTTCCTGTCAGATATTCCAGCCGACAGCTCGTGCTGAAGCGCAGGCTCTGGTGTCGCTAGCCTTCCCCA	17575
GTGGCTGTCTTCTTGGCCCGGCACCTTCACCACAATGGTGTTCTGCCGACGCCCAGGCACAGCGCTAAACGGG	17576
TCAGCCGCGACAGCCGTGTGATGATGTCAGTGCTCACCTGACGCTCACGTCTTCACAGCGGGGCAGCTGCGGGC	17577
GCGGGTCGGCCGTGATGCCTCACACCCAAGTGCTGCCTCGAGCATGCGTCTCCTGGGTGAGGGTGTCTGAGCC	17578
CTGGGGGGCTCTGGGCTGTGGGGGCCTGTTTTTGTGACTTAAAGCTCTCCCAGCACAGCCCCCTGACCTCCT	17579
GCCCAGGGGCGTCTCCATCCTGTAGAAAGGGTTTTCCCCTCCTCCTCGGCGCACACAGGCCCCGCCAGGT	17580
TGCTCTCTGAGGTCCGATGGAGGGCATCGTTCTGGGAGCTTCCCTGACCCCTGGGTGTCCCGCGCCTGCCCTCT	17581
CACCCGCTCCCATCTCAGCAGCACACTGTGACCCAAACACGGGCTGTGGGTTCAGAGACCTGGGTTCCGGA	17582
CGTATGGCCTCGCTGATTCTCCGCGCAGCCGCTCATTCTGGTGCAGCTGCCGCGCCGCCCTCCAGGCGCTGGG	17583

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Table 1. Novel miRNA sequences

CCCCATCTTCTGCCTTTGGCTGAAAATTCTGGGAACTCCCAGCCTCGGTGTCACTCAACGTGGGCAGCAATG	17584
TGTAACTCTCGGGGGCCATATATATTATGGAGATGGCTGTGTGTAATTTTACAGCATCCTTGATGGAGCCTTT	17585
GACTCCGGCAGTGTCTTAGCTGTGTGGCCATGGCTCAGGGTCTTTCGTGAGGCTGCAGTTAGGATGGCAGTGGG	17586
TGCCTGACAGGAGGAAGCAGCAAACACACAGCAGCCACCCAAGGCCACCCCATCTCTGAAGAGCTGCTGCAAGGC	17587
CTGGGCTCTCACCCTGCCATTCTATGGTCAATATTTGAGGTTACTACTGGTTACGGGACCCAAA	17588
CCCCGCCCCCTTTTAAGGTCAGGCCCCACCCCCTCTTTAAAACTCAGGCCCCGCCCTCTTTTAAAAGTCCGGC	17589
CCGGAGCCCCGCCCAGCGCCTGCTCCGCTCCGCCCCCGGAGCCCCGCCCAGCGCCTGCCACGCTCCGC	17590
CTCTGAGCTGGGGTCGCTCCGACGTTTGCGGGACACGCCCCCTTCGGCACCTGCTCCGCGGCGGCCTCCCAGGCA	17591
GGACAACTACAGAGACTGTTACTTTACGTGTCGTAATGGATAAAATGGAGCAGGATGTCAGGTCAGGACTGTGG	17592
GAGGCCGTGGCAGTGTCCACTCAAGGGATGCTAGTAGGATGTGGCCAGGGATGAAAAGAAGCAGACGGACATG	17593
GACACACAGCAGCTGTCAACACCTTCCACCCCCACAGGCGCAACCTGGTGGAGGAGGTGAATGCTGCCCAC	17594
ATTTTGAGGCCTGGAGCTTGCTACTCACTCCGCGTGTAATGCTCTGTCCAGTTTTCCCAAAGCTGACTCCT	17595
TAGAGATCTTGAATCAGTAGCTTAGGGTGGGATCTAGAAATCTTTTTTCTGTCAAATATCCCAAGTGACTGAT	17596
TGCAAAGTGCCAGAATATAAAGAATTGGCTTAGAATAGCACCTCGACTTTAGCTGGGCTTTTTCTTTTCCC	17597
CTGTGGAATCCAAGATGTCTGCAACATGCTCCCCACCGCCCACACAGTCTAGTTGGGAAGCAGTTATGTCCACG	17598
TGCCTCTAAGTGATGATGTATAACTCTGATGAGGGCAGGCACCTTATGCAAGCGCCGTACTGCAGGCAGA	17599
GGAGTTCATGGCCCTCTGGGCGTGGCAGGGGTGAGTGTGACACTTGGTCCTGTGCCCAAGGGTCAGCCTGGCC	17600
GGTGTCAGGCTGGGAAGGTAGGATTAGCGTTTATTCATCAAGCATTTATTGATGTTTATTCTATCTAATAGT	17601
TGACTGAGTTGGGTTAAATTGCCAGGCCAGGCACAGTGGCTCATGTCTGTAATCCCAGCATTTCGGGAGG	17602
TGGGTTTTTCTACAATAAAGTGAATTCCAACAGTTGGCATTTGCCACAGTAGAGACCACTAACCATTCCCTA	17603
AGGTCATGACCATACTTAACTGTATTAAGATGAACCATATTACTGCATATAATAATGTCAAGGCCTCAGCAGTA	17604
ATAAGGACCACTTGCTCGTATTTACAGATAAAATGCAGCTTGACCAATCTATCCACCTGGCTGTGGTGGTTCCT	17605
GCTGGTATAGACACCTGATGACTGTGGCTAACCAAGAAATGAATGAAAGATTTAGAAGTCTGTATGGGTTCCG	17606
CTGCCACTACCAACCAAGCTCCCACTCACAGCACCAGTGAATGAAGAGAGCTGGCCACATCAGCACACAAGAGCCA	17607
GTTGTCTTAGTCTGTTTTCTGTTGCTATTGCTATAACAGAATACCACACAGACTGGGTGATTTATTTTTCTAAAA	17608
GCAGTGTCACAGTGGCTACTGGAAGGCCCAGGCCTGTGCTGGGGATGTTGCAGCTGCGGCTGTGCTGCATTT	17609
TGGGGTGGTGGGGAGCATAGAGGATGTGCCTTAGGCATATTAAGAAAGCTTATCAGACACATGTGATGGTTGA	17610
GGCGGCCGCGCCCCCCCCCCACCCCACCCCGCCGCCGGGGAGGGACTGACGAAGGAAGGCGCCCCAACGCC	17611
ATATGCTGTTGGTGAGGCTGTGGGAAGCAGGCGCCCTCATAGAAGAGGTGCTGGTGGTCATGCAAATTGGCA	17612
GTGGTTCTGGCCTGCACACCCTAGGACTCCCACCTTGTGTGTGCTCAAAGGTTAATGCACTTGGGATGAACC	17613
GAGTTTGCCAGATGGATCTGTGGGCAGGGGCGTTCCAGGCAAAGGAAGCAGCTTGTGGAAAAATCACAAAGGCA	17614

Table 1. Novel miRNA sequences

CACTGGACTTAGATTTGAGGGCCCAGAAGCAGAGAACACGTCCGAGGAGCAGCAGCTGTTTCCAGGCCCAGTG	17615
CTGCCCGGTCAACTGGGTGGAGCACGAGCGCAGCTGCTACTGGTTCTCTCGCTCCGGGAAGGCCTGGGCT	17616
GAAAATTTATTTCATAGTGTGAGTGTAGGTATCTGGATTTATTGAAGACTAAAGCAGATGCTTTTACGATGGGC	17617
GGGACACCAGTCTTCGGTGTGTGGAATGTGGTATTTTCCCGCGTGGAGGTGTGCTTTCTCACAACGGGGTGTGT	17618
TAGCTCCAACACCAGCCCCTGTCCCAGCCTCTGCCCCCAGCCCTGCTCCAGCACTGGTCATGGCCCTGAC	17619
TGCTGAAGGGTAACCCTGGCTCTGTCTCTTGCAACCAGGAAACCGGAGATCCCCTGATGGCTGGGACCTTTGT	17620
CTTCACCGTCTTCTAGTTCTAGACTCCCAAAGCAAAGGAGGGGGTTCTAGGAGAAGAGCAGGAACAGTCTGAG	17621
AAGCAACCCAGGGGAGGGAAGGGGAGCCGAGGTCAACGCTGCGCCTCGGTCCCTAACCCCCTCCGGACAACC	17622
CGTGGTGGCATGCGCCTGTAATCCCAGCTACTTGGGAGGCTGAGGCAGGAGAATCGCCACCGCGCGCGGC	17623
AGGTGGGGAAGTTAGGGCAAGAGGCCTGGGAACCTCCACCCCAAGCCTCTTCTCATCTCCCCACAGATGGCT	17624
CTTTTGGGGGTGTAGCTCAGTGTGTGCATGCGTGCGTGTGTGTGTGTGTGTGTGTGCGTGTGCACATGAG	17625
TTTGGGGCGGCCGTGGTGAGTACCCAGCAAATAAATGTACCACCACTCCCGCATTCTAAAACCAGGGCAGACA	17626
GTGGGTACACAGCTTATAGCCCTGGTACAGCAGCTGAGTCTGGGCTTGAGATAGGCCCAAATATGCAAATAA	17627
CAAAGCTTTGACCTAGAGGAAGCTGAGCTGATGGTGACAGGCAGTTCTCAGAGGTTTTAGTGGCTTCAGGCGGA	17628
TCCAAACTGAGTAGAACGAGGAGCTGTTGTTTTCTCCAGATTGACCCCCAGTCTGGAGAAAACAGGAAGTCCT	17629
GGCAGTTTTTATCAGGGAATTGGCTTCCTGGCTGACAAAGCCATTACCTAGCTTTAGAATCTTCCACCAGGCAT	17630
AAGCCAGAAGCAGCTGTCTTCAAGTGAAAATACAAACTGGACTTGGAGTCAAAAGATGTTTGTTTTAGCTCT	17631
CTTAGCATCTTATGTCTGTGATGTTAGGTCAAGATCAAGATCATACTTGATCTTGATCCTGCTGCCTGACCCAT	17632
AAGCATGGAGTAGATTCTCAACCAAAGGTAGCCAGTGCTATCAGCAGGGATAAGGATCCATGTCTCTCCGTA	17633
CATTCATAGTCTCATCACAGGGCTATGATAACTCTCATTTCCTCTGACACAACATAGTCCAAAGGGACTTTG	17634
ACCTCTGTGCTGCCTGCCCTGGAGGGAGTTTTCGGACGCTGGGGCAGCTCCCACACAGGTCTGCTTAATG	17635
ACCATGCTGATTTCCTCAGTGATTTTAGGGACAACATCCCAAATAGTAACATGAGTGAGTTTCACCACTC	17636
CAAGGCACCAGTTTGGAAGTAAGTCCAAAAGGCTCATCTACAGGTGATGCTGTTGGGCAGAGTGTTAGGGCCA	17637
GGGGTCTCTGCCAACTCCAGGTAGTTGTGGCATAATTGAATTGCAGGACACATAGCTGGTGTAAGGAAAACC	17638
AGCTACGTACTGATCCAACAGTAAAAGATGAAAATCTTATTCTCCTGGAAGTGTCTTAGTCAGCTGTGGCTG	17639
GAATCTCCAAGCTGGAAGAGACATGAGAGGTGATGGTTCAACTCCAGCACTTTGCAGATGAGGAGACTGG	17640
GCTTACTCTATGCCACAAGGTGTTATAGGTACTGTGTGGCACACAGTGTCCTGCTGCTGGGCGTGGTGGCTGTC	17641
GGAGCGCTGATCTTCCGTGCATGAAAAAGCCAGCCTGAGGAAACCAGGGAACAAATGCACTATCTTCTTTCT	17642
CAGCCAGCCCCCTTCTGCTTATTGCCTGTGAAGTCAGCGTTCTACCTGGCTTAGCTAAAGAGATCAGGGTC	17643
GGGAGAAGATAATGTAGAGGCGGCGGAACCAGAGGAGCTGGCTGCGGTGGCAGGACATGGCTTTCTAGAA	17644
ACTATCAGTCAGGAGAGGTTAGGTTTTGTTATGACACTATCCCAGATAAACGATGCCGACCGACACTGGT	17645

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Table 1. Novel miRNA sequences

TTCTAGAAGGGGGGTGCAGTTGCTGCTTGGTGTGCTGTCCATCCCCTCCACAGGATGGCAGCTGCATTTAATCT	17646
CGGAAGCCTCGTCCTCTACAGCCTAGCCCCTGTCTCAGCCACAGCAGGCACCACTGCCAAGAGCCTTCCAGC	17647
TTCTAGAAGGGGGGTGCAGTTGCTGCTTGGTGTGTTGTCCATCCCCTCCACAGGATGGCAGCTGCATTTAATCTC	17648
CCCCTGCCATTGAGAGGCAAGCGGCGTTGCAGGGCCTAGATGGTTTCCTCGTTCTGACTCCCGATGGCAGG	17649
CTCACTAGGTGCCATTGAAGGCCCTATGCCAGAGAGGAGGTGGGGGAGGGCCCATGGTGGGAGACACCCTGAG	17650
ACACGACAGTCAAGTGACCCGCTCAACGTCACACAGCTACTAAGTGGTAGAAAAGGCAGTTGAACCCAGGCTG	17651
AAAATGAAAAGTGCCAACACTCACAGGAGACTTTCCATGAACCGGCATGTCTCTGAGTGCTCTGCAAGTATTA	17652
GCACACAGTAGGTATTCAATAATGTGTGTCAAACAGAATAGAACATAAATAGCTGCTGTCTGTGTCTCAGGA	17653
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AGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACCGCGCCTGGCCGGTATAGCTACTTTGGAAGACAGT	17655
ACAAGCTTCACTGTAGATGATGCAAGCTACTTCTGTCTAACAACGACCGGGAAAGCTCACATGCACTCCCTGC	17656
ATGCTAGAGGGGCTGGGGTGAGAGTCCGTGGGAGGGAACATCATCTGAGCTGAGTGAGAAGCATTTGGGCA	17657
AAGGGTCCCTGAGACCCTTTCTGGAGGTCTGCGAGGTCAAAACTTCATAATCAGACTAAGATGTGGGGTGTCA	17658
CTTAGCTCCTCCGACCCAGCCAGCAGGACCCAGCTCAGGAAGCAGATTCAGCCCACACCGGGACTGGTGGGACC	17659
ACTGAGGCCAGGAAGAGTGACCCCATCTTGGTGGCAACATCTGCCTCTCTTGCCCCCCTGAGTCTGTCCAAG	17660
TTTAAAAGCACCTTAGCTGCATATTCTTAAGTCATTCAAATGGCAATGCCTGGATTTAAGTGTAAGAGGTATTT	17661
ACCATAGCAACAGCCTTCATAGGCTAGGTACTCCCATGAGGCCAGATATCCTTGAGGGGCCACGGTAATCACAA	17662
AGGGACTGGGAATCACGGCTGTACCACCACAACTTAAATGTAAAGCCTCCTAGTGGCTCAAGATATGATCCCC	17663
TGGATGTGGTTGGCTGGCCGTGATGAAACAACCTGAGTTGCCACCCCGTGGGCAGCCACGGAAGACCATGCCC	17664
ACACATCAGAGGGAAAGGAAAGATCACTGGCATTTAGGGATGCCTGGAACCTAGTGAGCCGAGCAATGAG	17665
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CTCCTCAGCCCTTCTCCAAGGTATTACTGAGCAGAGGCTGAAAAGAGTTGTGTTTTGGAAAGAGTGGTCAC	17667
GTATAGGGGTGATTTTGCTGTTGTAGTTTATGGGGTTACAAGTCTGCAGAGAAGGTATAGCAAGGAAGAGGACC	17668
TCAGGTACTGACCCACTACCGCCCCCATCTTCCCCCATGGGGAAGATGAGCACTGAGGGCAGATTACCCTCCTG	17669
CGCTCACCAGTTACCTGTATTGCTCATAAAAGTAGTTAAAGCAGGTTTTTTGGAAATAGGAGTCCATATAAA	17670
CAAACAAAATATTTTTCTTAACTATTTTGGCGGCAAAACCTGGCAGTTTATCCTCTATGCCCCTGTAGTGTGA	17671
GGGCCGCGCGCCGCCACCGGGTTACACAACCCCGGCCGGCGACGGGGGGGGGGGCGGCCGCGGTGCGGGGG	17672
TATTTGTGTATGTCTGTGTCTGTGTGTGCATTATCTTTTTGCAGATATTGCACTGAGAAATTAAGTCATCTA	17673
AGCCCTCGCGCCGGGTCAAGCGCTCGCGCCGGAGACCCCTCCTCCCGCCCACGCCGGACAGCGGCCCGGAAGGC	17674
TCAAAGTGCTGGGATTATAGGCGTGAGTCAGCATGCCGGCGGTAATTCTGTTTTTAGCTCTTTGAGGAATTGC	17675
TTACAAAGCCAATTAGGGCTAGACCTGGGGGATTCCTGGCTCAGTTCAGGAGTCTTATTAATATTAAGCCTTGA	17676

Table 1. Novel miRNA sequences

AAGGTCAGATATCTCTGTGACTCTGGGATTGGTCACTGTGTTCTCTTACTTTGTTTGATAAGGTCATGATGTTT	17677
GATCTTACTGTCACCTAGGCTGGAGTACAGTGGTGTGATCATAGTTCAACGTAAACTGGAGCTCCTGGCCTCA	17678
GTTTCTCCTGTGCCAGACCCGCAGGTTCAAGGATCATACTTGCCTGTGTTTGAACATGGCTATGAGGAGACC	17679
TCATCCTTGAAGCTCATGTTGGTCTGTTCGGGCTCCAGTTTCTGTGGACTCTACCCGCTAGGATAGTATT	17680
TCTTTCATTATTATAAAAATGCATATGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGCAGAAGGAAAGACCA	17681
GGCCCGCCGCTGCCTAGCGCGCGGGGGGCGCCCCCCAGCCCGGAGGTGAGCGCCGCGTGGGGGCCAGGAGCAA	17682
GGAGGTGCTGTGTGAAGTCTGTGCCAGCAGCCGCAGGCTCCTTCCACCGCTGCACCGATTATCTGACAGTCCC	17683
GGGCAAGCAAGCTCCGCGGCCTATCAGATCAGCAGCGGCATTGGATTCTCATAGGAGCAGGAACCCTGTTGT	17684
AATGAGGTACTAGATGTATTGCTATAAATAAAATAAAAATAGTAATTATCTGCTAGCTACTTCACAGTGATTT	17685
ACCTCCTACCATGCCACAGCTCCCACCTGACACTCACAGTACTGAAGCAGCTAACATGTCCTGAGCATGGCATG	17686
ACATTCTGCTCTCTGGGATTTCCACAGCCCAGAAGAGTGCATGGTAACAGGATGCATATGTTGTCCCTCTTA	17687
CATTGGCACAGAATAGAGGTCGTGCATGGCATCATTATGCAAAGCACTAAAAAGTCCACTTTGTTCCCATTC	17688
CTAGCGCTTGACCTTCCCAGGAAAAAAGCAGGGCTCTGAGTGAGACCTGAACTCTTTCCCTGGGCTGAGTTAGT	17689
ATGAAAGCCAGATTTTAATAAGCCCCAGGGGGTTTCAGTGCAATTGGCCCCTGGAGCTCACTTAGGGAAGCTTG	17690
AAAGCTTTGTGACTCATTTTTTGTGATCATATCGTCCAGCATCTTCACTAGTAAAGGGCACAGGGCTCTT	17691
GAAGTACAGGTAGTAGGTTGCGTAGTTTGAGGACAGGGATTTTATCCACAAGGAGGTAATTATATGACCTGCTG	17692
AAAGTGACAGACATACACCGCTAGTGACTCTGCAGACCTACCAGGTTCTGTGGGCTCAGGCGTCCCACTCCC	17693
TGAAGGCACTCCAGCCTCTGGCGGATAGCGGGAGGGAGGAGCTGAGACGTAGATGCTGGCTGCTAGAAAGA	17694
ACAAAGGCAGTGGTTTTGTTTCCTTGTTCCTGTACCCCTTGGCAGGTTAGACGCCCTTGACCCCAATGCCTATG	17695
ACAGTTGGCCTCTTTTGGAATGGCAACGGCAGAGACATCACTGTCCAGGTAATTTCATTCTGGCTTCTTCG	17696
TGTGCTCAGATCATTGTCCAGTTTTCCCAGAGGACCAATGGTGGCCGTCTCTGCTGGAGGAAGAGAAGACCCA	17697
GAACTGCCCTTTCTGCACTGGTGGAAACTAGTTATTTATGCCATGTGGAGAGCCAGTGAGATAGATAGATAG	17698
GTGAGCCACCGCACCTGGCCTTGTTATTACTAAAGAGACCTAGTCTCTTTAAATAATATGTTGCCCAGCCTGGT	17699
TATTGCTGTGACATATCAGGAGAACAGTTTATTTTCAATGGTGATAGCATTTTTGTCATCTTGCCAGTCTGCA	17700
TAGGCGTGGTGGTGCGCATCTGTAGTCCCGGTTACTCACGAGGTTGAAGTGGTAGGATTGTCTGAGCCTGGGGG	17701
GACTTTGAGTCAGGCATGGTAGTGGGTGGTGGGGATTCTAAAATGCCCTGAAGGAGTTCCCAGCCTGGCTGGGG	17702
GGGAGTCGGTGGAGGGGCCCCCTGCCCTGGGCTTCAGGTCAGCCAGCGCCCACAACCTGACGGTGGGAGA	17703
TTTTTGGAAGGTGAGCCAGCTATAATGCTAGGAGACAGGCACTCAATTCTGCGGTAGGATTTTCTTTAAGTCTG	17704
CAACCTCTGTGGGCAGAGACTTCTCCTGGGCACCAAGGAGAGACCTGTTCATTTGTTTCATCTTTCAACA	17705
GTCGTGGAGGGCCTGGAATGCCAGCCTGAATTTATTGAGTAGGTCAGCAGTGAAAGGGTCCTTAGGGTAGTGT	17706
TGATCCAGCATGCTGAAGGGGAATATAGCCCATCCTTCCTAGGGGCTGGGCTGTAAGGACAGCAGGGGAGATG	17707

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Table 1. Novel miRNA sequences

CTGCCACTGTCTTTGCTCAGGACCTCAGCGCCTCCTGCAGGCGGTAACAGCCTGTCACGTCCACCTAAAGGCA	17708
ACGGATCCCTGAGACTTCGGAGACATTGTTAAGGAAGAAATGTCTCTTGTGAGCACGGGGTCACAGAACCTC	17709
TGAGCCGAGATCGCACTATTGCAATCCCGACTGATCAAGGAGAGCGAAATTCCGTCTCTGGGCAACATAGGG	17710
GACGACTTTCTGGTTTGAGTTTTCTCTGTTGGGGCTTCACTGCCCCTGGGATAGGAATTAAAATGCCAAGC	17711
TGGGCATAGAGGACCTGACAGAAGGAGAGTGTGGCTCAGTTCAGCCATCCCTGCTGCAGGAGGAGCAG	17712
ACCCGGGAAAGCTGTACCTCTGAGAACGCCTAGACTGAGCCCCCAGAAAAGGTGATCCAGGAACTAGACGGG	17713
AGTCACTTATGTTTTCTGTCCTGGGTGACCCATGGGGCAGAGGCCACAGATGCAAAGGGCTTGGACTGGAGG	17714
CCAGGCTGCTCTTGAAGTCCTCGGCTCAAGGGATCCTCCCACCTGGACTCCCAAGATGCTCGGAATACAGG	17715
GCTGAGGCTCCAGGCTGGATAGGGAGGCACTGATGTAGGTCCAGGGTCCAATTTCTTCAGGAATCCAGGAAAA	17716
ATCATTCTACTACAGCTGCAACCTACCTCTTCTTGTAGTTTGCTTAACAGAGGAAGAGAAGAATCAGTCCCC	17717
AGTCGGGCGAGTGTCTGGAAGGGCTGAGCTGCTCTGAAGCTTTGGCCTCACTTGCCTCTCTCCCCAGGAACGG	17718
CACTGCTCCTAATATTCTCCCACGTCCCTTCCAGAGGATGTTGGCCCTGCAGTTCCATCCCCCTTAGCTCTCCC	17719
GAGGAAGTGGGCTTCGGCCGCCCCAGGCTCGTCCTCGGGCCCGCCCAGCGCCGCAGCCCGCTCGTAGTCCAGTC	17720
TCTCAAGCTCCTGACTTCAAGTAATCCTCCCGCTGCTGCCTCCTCCCAAAGTGTTGGCATTACAGGCATGAGC	17721
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TTTCAGATGCGGCGGCGGCGGCGACTCAGGACAGCGCCCCCTCCCCCTAACGGCCGCCTCTCCCTCT	17723
CCAGGGAACCTTCACTTTTTAAAGCCAACCCTTTGCGGCTTTGAGGCCGCCGTGGTGCATTGTTTGCTGG	17724
GGCTGGCAGCAGCTGGAGCCGCATGTCCCACTGGTGGAGCAGCTGGGATATCCACAGAAGCTGGTCTGGCAG	17725
AGCTGGATACACAGCAGCTAGGGCGGCAGCAGGTGGTCCTGCAGCAGGTGGTCTGACAGCAGCTGGGACAGC	17726
GCCTTTTCAAGTAATATGAAGGCTCAAAGAGAGTGGACAAAAAGGGGGTCATAAAGGCAGGAAAAGGATAAG	17727
CAACTCCACAAGGGCAGTGACCCTGACTGTCAGGGACATAAACCAGCAGTCCATGGGCATGCATATTTTTGT	17728
GCAATAGGCGCCTGGCAGTGTCAAGCCTGAAACCAAGCAATACCGTCATGTTTCAGCCAAGCCCAGAGCCCTA	17729
GGGGGTCCTGGGCTCATGCAGTGAGCAGGGTTGGGTACCTGAGCATGCGGACCAGAGCAGGGATGCCACCCGA	17730
TCCAAGATCTCTGGAATCGCCGCTGAGTCAGCAACGCGCGCGCGCCCGCGGAGGCCGCGGCCCCGCCCGG	17731
GTGAGCCACTGCGCCCGGCCAGCAAGACACTGTTTCTACAAAAAAATTAAAAAACTTAAAAAACTTAGCTGGGTGT	17732
CCACCTGCTTACATCTATGCAAAGTCAGGGACAGATAATCCAGTTTGTGGATTATCCAGACCCCCCAGCTGGCAT	17733
TGGGGTATCGCCTGCTCATTCCAGCCTCTGTAGGAGGGACCAGGCTAAACAGTGTTGGTGTCCTAAGTCCCT	17734
GGCGGGAAGGCTGGCTGGAGGGCTGAGTCAGCGTCAGGGAGCAGGCAGCGCCTGGAGGAGAGGCTTCAAGGCC	17735
GTGCTCCAGTGCTGATGTCTTGTTACTGAATAGATTGGAGAATAGGGCATGCAGACTCTGGAATGAAGTTAT	17736
GCGACCCCCGCCCGGCCCCGCGCCCCCGGCTCCGCAGCTGGCGCCTCCCCACCCCCGTCCCTGCTCC	17737
TTCATTGATGCTGCTGAGGGGGTGAGTCAGACTCAGCTCCCAGAATCTCATCCACCTGTTATGTTTGCCCCC	17738

Table 1. Novel miRNA sequences

TTGGTCTTGAAGCCTGGGCCTCCACTCCGCCTACTGCAATGGTGGAAGCTCCAGTTTACAAGACACCCCCACC	17739
CCAGCTGCTGCAGTTCCTGCTCCGGGACGGTTGCTTTCCGCTCTGGTGAGCTGGGGTTTCTGGCAGGGGCTGGC	17740
GAGAATCAGCAGCCTCTTCACCAACTCTGCCCAAGGGCCTGAGGCTCCCTGAGACTGCGGTCCACTGACATG	17741
ATAAAGTGCCTGGCAAGCAGTAACAGTTGCCAAATGGCAGATGTTTGGCTCGGCCCTGTGTCCAGCCCAGA	17742
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AATCTGAAGCAGAGAGTCAAAAAGAATGGAAAGGATCTCAACCAAAGGTAACCACACATTCTTACACTCTGCTT	17744
TCCTCTGGGGACTGACTTGAGTGACCTGGGAGCTGTCTCCAGAGCCCTTGTCGCTGAGGGGCCTGTCCTCTAG	17745
GTGAATTAGGTAGTTTCATGTTGTTGGGCCTGGGTTTCTGAACACAACAACATTAAACCACCCGATTCAC	17746
GCTCGGCGACTGCCTCCCTGCTGTGAGCAGGAGAACAGGAAGTCTGCCCGACAGGGAGGTGGCCGGGCGGGAGC	17747
GCTCGGCGACTGCCTCCCTGCTGTGAGCAGGAGAACAGGAAGTCTGCCCGACAGGGAGGTGGCCGGGCGGGAGC	17748
GGGAAGAGTACCAGGATGCCCACTCCTCTTCCCCAGGAACCACCAAGGAGCCTGGAGCCTGGCTTTATCTCA	17749
TGAGCCACCGCGCTTGGTCCTTTTTTTATTTTTTTTTGAGACAGAGTCTCGCTCTGTCGCCCAGGCCTGAGGGC	17750
AGGTGCAGGCAGGATTGTCCTCCTGGGTGCAGCGGCAGCTGCCAGACCCGCAACTGCAGACCTGGGCCTCGCAC	17751
ATAATGATGGTATTATGATTATGGAGAAGGATGTTTTTATTCTCAGGAGATGCCACTGTTATGAAGTGACAA	17752
TTCATTGACAGCCTACTATGTACCAATCCTGGGCTGAGTCCCAACCCGGGGATGACTTAGAGGAGGCCAGGATG	17753
GGAGGAGCGGCTGTGCAAAAACAAATGAGTGTTCCCATCAAGATGTTTGCAATTTAATTCTAGCCTAGCTACTC	17754
GTTCATATCACCTGATATACTGGTGTCTTTATTTTTGTATGATAGATTTCCAAGAGTGAGATGGGTATGTAC	17755
CGCACCCGCCAGCCAACGGCCGCCACTGCGTCCACAGCAACCGGTGCCCCGCGCGGGGGCGCGCATCCACCG	17756
TCTGGGGAATGAGGGGCCCACCCCGAGCAGCCTCTGTCCTCTTCCTCCCACGTCGGGCGCCAATCCCTTT	17757
CTGAAGGTGACACTCAGTCCAATTAAAACTGATCTGATAAGACCTCAGATCAGACAGAGGTAAGTGTATTG	17758
GCTGCTATAAGTGTGCTGCATAAATGTTTAAAAAGAGGGCCCAGGGGGCTCTGTTCTGCAGGATGGGGGTGGT	17759
AGGGGTAGGGCTGGGTTTCGAACCCAGGGGCAGGCCCTCTCCGCCCCCCGGCATCGGTGCAGAGCCCTGG	17760
ATTCCCAGTGCAATGTTATTTCTGTCTGGGACACACATGTGGATGTGCCTGGATTACACGTGGGGAGGAC	17761
TAGATACATATAGAGTGTATATATATATCTATAGATTTACATACCTATAGATATGTCAATATCTATATAGAT	17762
AAACTGGGAGACACCAACTCTTTTTCTGTCTAGGGATTGAGGTCAGAAAGTCTCAAAGCATGATGTCTCCAGT	17763
TAGCTGATATATACCCATCAAGGGAAGTTTATTTTTGCCAATACTGGAGAAAGGCTTGGCACTTTGCTTTGG	17764
TGCTCATGTCTAGATACAACCTCTGATCCTTCTGGAGGGTAATTATGGTAGTTAGTCTAGTCTGCAAGTTC	17765
TGTCCCCAAGTCTCCTAGCAGCAAGTACCAGCACCCACTCTGATTGGGATGGCAGGAGAGCGACATAGATTC	17766
CCAATGTAATCAAAAGGGTCCTTAAAAGTGGAAGAAGGAGTCAGAGTAATGTGATGTGAGGATTTTGGGTAGC	17767

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Table 1. Novel miRNA sequences

TAATTTATTTCATTTATCTGTAGTAAAAACTACAGGCAATTTTTTTTTTTTTTGAGATGGAGTCTTGCTCTGT	17768
GATTCTGCATATTGGCTCCCAGGTGGCACATATGCACATTGTAGTTTGAGAAGCCCTGTCCTGGGGTATTAGA	17769
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CTGTGGTTCAGGAATTCAGGAGCAGCTTAGCTGGTCGGTTTTGGATAAGAATAGCTCATGATGTTGAAGTCAA	17771
ACTTACGGGACACTGACGCGGACCGTATACAGATGGGACACTGACGCGGACCTTATACGGACGGGACACTGACG	17772
GGGGTGATGATATATTGATCCGCTGAGTAAGCACCTCCGGTGTTTGAAGGCTCTGTGTCATTCAGAGCAAACA	17773
GGGCTAGATTTCAGGGTTACTCAATGCACACAGCACAGATTGCTGCCACTGTGTCTTAGACCACTAGATGGCGC	17774
TCCAAAGTGCCTCAGAGAGAGGGAAGGGATGTCATTTCTGTTTGTCAAATATTTTGGCTCTTAAAAAACAAAA	17775
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AATTTCAACATGGCAACGGCAGAGCATCAAATCAGCTAGAATGTGAGCACATACTAGATGTCCAGCCTGTGGTG	17777
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GGCAGGAAGGGCTTGGTGTCACTTTATGAAGGAGACAAGCTGAGAATCGCACCTTCTAAACAGTCCCTGCT	17781
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CCCCGCAGGATCTTGGCTCCCCCCCACGCCCGGGGCATTAGCCGGAGCGGCGGGGCTCACCGCGTTCATGTC	17786
TAGAAGCCAGGACTGTAGAGGTAGTGACCATACACTTGGAAACAAAATGGTTAGCTTCTTTCATCTTCAAAGGT	17787
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GGAAGAGCGATGGGTGCAAATACTATGGAACAGGAAGCAATATATGAGTCCATTCTTATGCCCCATGAGGGAT	17790
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CACAGTCTAGCATCACAGAGGATGCCATAATAAGCATCATATGTCTACGTATTGTCTGGGCCAAAATGTTAT	17794
CTGACTCTGATGCCTATGAGACTAGATGCCCTCCTGGAACTGTTTCCAGAAGGCTTTCTTCCACCATCACCCT	17795
GATTAGCAAGCTGAGTCCAAGAGAGGCCATGTAACTTGCCTTGCGGTCACTGGGCTTGAGGATATGAACGCC	17796
GCAAACCGAGCCAGGTTCTAATAAGCTCCCTTTATGGGAGGAGCTGGGTTCTTGGCCTCTCACTGTCTCATGT	17797
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Table 1. Novel miRNA sequences

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GCCACGCAATGGCGATCTGACTCAGCTGGAGTTGGGAATCCATCTAGTTTCCCCATCTTGCCTCCCGTCTTGC	17802
CTGAGATACTTTTTTCCTATGATGGCTTGGGGTCCCTCTCCCCACCCATGTACCAGTGATGTGGGCTCTCAGA	17803
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TGGAATGAAATAAGCACAGAATTCTAATCCCCTTTGTAAGATTTAAGAAAGAGAATTTTGTGTGTGTGCTCTCT	17806
GAGCTACCCATCGACCAAGGAATGTCATTCCTTTACACGGAGGTTTCTTTGGTCTGGAGTCCCTAAAGAAG	17807
AATTTCAGGGGAGGACCTCGTTTAGGAAGGGTGTTTAGAGGCGGACTCTTTGAAAAGGTGCAACTGCAACTGAA	17808
GGGGCTGGCTTTAGGGGACCTCCCAGACATCCTGGGACATGAGAGGTGTAGGATAAATCCTTTCCTGGCTTCTG	17809
AACCCTCCTGCCTTAGAATCTCTCAGGATGCTTGTGATCAATATATTCCTGGATTCTGGAGTCAGAATGAGT	17810
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GAATAATCCCACAAAAATCTCAGTGCGTGGTGTCACCCTCCAAATGGGGACGTTGTACAGATGCAAGCAGG	17815
AAGCCCCAGTCTGTGGTCTGTAGTTACAGCAGCCCTAGCTGGCTGAGACAGCAGGTCTGGGGTGAGCCTGGG	17816
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GGCATTGTCTCAGAAGTCACTTCACAGTTTTGCATGTGGCTCCCAGGGTGTGAGGTTCTGCAGAACAGTAGCC	17819
CAACCGCACAGCGGCGTTGCGGGAGGCGAAGGGCGTCGACCGACCTCGCGCGCTGCACATCTCGGGTTGAGGTT	17820
AGCCCTCTCCCAACCCCTGTAGTGACAACCAAAAATGTCTCCAGACATTGCCAAATGTCCCTAGGAGGCAAA	17821
CAGCCTGGGCAACATATCGAGGCCCCATCTCTACAAAAAAATGCAAAGGGCCAGGCACAGTGGCTCAGGC	17822
GCCTGGGCAGCAGGAGGGCCTGGTGGCAGCTGGGCTACACTCCCTCTTAAGGCCAGAGGGAGCCACCACT	17823
CTGCAGGCGATGGGGCAGGGGCCACGGAAAGAGTCTGAGGGCTGCTTGGTGTAGTCAGGTTGTGTCCAGGCA	17824
GGGGAGCTTTCGTTCACTCAGCAGACGTTTATGGGGCGCATGCGTGACTCTGGGGCGTTTAGCTGAGCCGGAGG	17825
ATGACTGCTTAGGAGCTCAGATGGGCCTGCGCCGTGCCCCCCGGCCCCGGCAGCTCCCCTCCAGCCTGTGTCA	17826
AGTTCTAATACTGCCGGGGCGCGGTGGCTCACGCCTGTAATCCCAGCACTTTGGGAGGCTGTGGGCAGATCACCC	17827
AAGAGGTGTGTATTCCGGGGTGGGTGACAGGGCATCACATCTATAGCTTGCTGTCAAATGTTTTGGGAAG	17828
CAGGGATGGAGTAATTAGCACCATTTGAGATCCATTACAACTGGTAACTGATGCCTTGGGACTGCTGGCTGA	17829

Table 1. Novel miRNA sequences

ACACAATCTTACTATTGGGCAGTTTGGCTCCATTACTTGGGGAGCCGTAGGTCCCTTCTTTGTCCAGGAGGTG	17830
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CTCGTGGCCCCTCCCAGTTTTGCGTCACTTGTTGGGGGCGGGGCCGGGCTGGGCTTCGCGAGTAGCGGGCG	17833
GTCACCAGTCAATCATGATGGCTGCTGGGTGCACTGGCTAACATCTATAATCCCAGCACTTTGTGAGGCTGAGG	17834
GACAGTGGCTGGGAGCTGGCGGGGAAAATCCAGTCTTGACTGGAGGGGACCAAGGGAGGCTTCAAGCTACG	17835
ATGGTGCATGACAGTAGCACCTGCCGAGCACTGAGAACAAGGAAGCCCTCAGTGCACGTTAGCTGTCATTGTCA	17836
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GGACAGCGCTCCGCTGCCGCCTCCACGACCCCCGGCCTGCACGCCGGTCTTCGCCGTAGTCGTCGTCCCCC	17841
ATCCCTTCTGCCCTGTAAGGATGCAGTGTTCATTCTCTCCGGAGGGTGCAGCACCAAGTCACCATCTTGGAAG	17842
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TCAAGGGTGCATGTGGAGCATGGGGCTGTGTGTGGCTGTGCGTGTGACAGCAGCTCTGTGGATGAGTGTGAGTG	17849
GAGCTCCTGTGGAGGACGCAGGCGACCCCCGCCCCTCACTCCACTGTGAGGCCTGAGGATGTACAGGGGCAG	17850
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CCAGGTTGGGAATGAAGGAAACTCTGACACAAGGGTCGGCTGTGGTCCACACCTGGGGTATACGGGTCACTT	17854
CAGCCCATGCAGGTGTCTGTGAGATGCCCCTTTAGTGCCCCAGCCTCCCTGGGTGCTCACCTCGGTGTGGGTG	17855
GCTGCCAACTGCGGAGGGTTCCGGGGGGGAGTTGGGCAGCTGCTCTCCCTCCACGGGCAGGGGTGGGCAGGG	17856
CTGCAGGGAAGATGGCAGCCTCAGGGTGTCAGTTCATCCAGCCATTGACTCAGCTTGTGGCCGCCAGCCCTGGG	17857
GGGGTTGGGGGCGGGTCGGGCGGGCGCGCGGGCGGGAGCCGCGCGCTGGAGAGGCGGGGGAGCACGGCGC	17858
GCTGCCTGCCAGAGTCAGGAACCGGCCCAGAGTGTCATCCATCCCCTTCACTCCAGCCTGACTCAGAAGGT	17859
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Table 1. Novel miRNA sequences

CCATTTGTAACCAAGATCCCACTCCTGACACCACATCCAGGGGAAGCAAGAGCTCTGCAAGCTGGCCCAG	17861
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TCCCCCTCTCTTTTCCTCCTCCTCCTGCCGTGGGAGACACTTGCTCCAGCTTCGCCTTCCGCCGCGAGTTGAAG	17865
GTCCCTGTGCCCGTGTGCTTGCTGCTAAACAGTGACAAGGACATTAGGAAAACAGGGCCTTCTTAACTCTTG	17866
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AGGTCTGGGCTGGGAGGAGTGTTTTTTTTCCCTAAAACAAGGATCTAGCTTATCAAGATGAAATCAGTTATG	17868
AGCCTCTGACCCGACAGAATAATTAGCTTCTATTGTGTTAACCTGTGTTAGCCAGCAAGTAGAAGCGCAGA	17869
CACTTGGTCGCTCAGAACTGGGGGTTGTTAGAAGCTCTACTTCAGATCCCACTCCTGACACCATTAAAAT	17870
CACCAGGTTCTCATGGTGAATGAAACTAAGGAGGATCCTTCTGGCAGATCATTGTCAAATACACCAAGATCCT	17871
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AGGAGGGATACCTGCATAGCCACCTTCCTGATTCTGTAACTGGGGCCCAGGAAGTTTGGTTATGGCTCTGATCC	17885
TGGGGGCGAGCGCGGGCCGGCCCCTCCCCCGGGGAGGTGCGGGGGACAGGGGGCGACACTGCGGCGCCGCCCG	17886
CTCCGCCGCCTCCCCTCACGCCTCCTCCTCCCCGAGGAATCGGCGCTTCCGAAGGGACGGGCGGCGGGCGGC	17887
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GTGGCTTCCAGGGTATGTGAAGATAATTGCCTTAAAAAAATTTCCGTCCAGTTTTCCCCTTCTGGGGAGCCAA	17889
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GGGAGGAGGGTCTGCTGTCACAGCATAAGAATAAAAGTGTAATGCAGGGGAGCAGAGAGAGTTTAAGCCTAAA	17891

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Table 1. Novel miRNA sequences

AGGGAGGAGGTAGGAGGTTGTAAAGAATAGACACACAAGTACCAGAGGATGCATGTGCGGCTTTGCCACCCAG	17892
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AGCGGGAGTGGGGTAGGGGCAGAGGTGGGAGATGCAGGGACTCTGGGGTGACCACAGGAGCAAGAGCTGACA	17898
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AGCGGGACGTACCAAGCGGCAGGCGGCGGAGGGGTGCGGGCCGGAACTCCGCCCTTCGTGCTGGTCGGTCTC	17900
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TGCAGACAGCAGGCACAGGCAAGCAGAGGCAGCCTCAGCCTTTTATCCCCCTCAGAGCAGCTGCTGGGCAGGA	17919
TCTGGAAAGCAAATGAAATGGACTAATTTCTAAATTGATGAAAATGTAGTGTTTGATTTTATTTTTCCGGTC	17920
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Table 1. Novel miRNA sequences

GTTGGGATTAAAGGCACGAGCCACCGTGCCCAGCCTGCTTATGCTTCTTGTTGCTGGCTGTGGTGGTGGT	17923
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TAGAAGGTATTATTTCTAATATTTCAGAACTTGGGTGTCACAAAGGTGGCCGTTTTGGGAAACATATACTATCT	17925
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GGATTAGGGACTCTGGAGCACTTGTGTTCTGCATTCGTCTTGTATAGACACTGACGTGTTATTTCATTTGCTCC	17927
TGAATTCTCAAGTGGTGCCGATGATGCTGATCTGAGGACTACATTTTGAGAATCTCTGGTTTAGTGCTGTCTC	17928
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TCAGAATCACATTGCCAGGGCTGCCCTTTCTCCTAAGGAAAGCTGATCTCATGTGACTCTGAAGTCAATGT	17931
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GCATTCCCATCACAACTGGGAGGCTGGACTGGAGGAAAGCAAGACTAGCAGCCAGGAGTGCAACTGGGAGT	17938
GCGCGGGGCCGCCGGTCCGACACACGCCCTTCCCTGAGCGGCCGCCGGGCGCACGCGCCCCGCAGCCC	17939
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TAAAATAGCAGCTGCATTTAATCTTGGGCTTCAGCCCAGGAATTGGAGCCTGCAGTGAGTTATAATCGCA	17941
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GCTCCTACAGCATCCTCTACTTCACAGTCAGATAATGGATTATACTTTATTGTAATTGTATTTTTCTCTGTAGG	17948
TGGGGGGTGGCATTCTCTCAGTGGCTGCTGGACTCTCTCGTGGACGGTGCAGAGCCGTGCATTCCCCTAGCTGCA	17949
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ATACATTTTAGGTCATAGATATTTGCATTATCAGAGAATTTTGTGTTATAGTTCTATGATCCTGGTTTATATTT	17951
GCTTTCAGTAAGATCCTCCCCTCAGCTCCCTCTAGCCTCTAAACTCTAGGAGGACATGGTTATTTGGATCTA	17952
GACGGCCGTGGTCCCTGCCCTGGGGTCAATTACAGAGCGAGGTCTGAGCCGCAGAGGCTGGGTTTTAGGTC	17953

Table 1. Novel miRNA sequences

TTAATCTCCTTCCTGCAAAGAGAGTTCTAGAAGTCCAGCCTCTGTTAATTTCAAACAACTCTCTCCGCCTTG	17954
AGCATGGGACATGTGGCCAGTAAGGGAGGCCCAGAAAAAAGAGATGCCCAATACCATGGCCCTCCATGAT	17955
CGTATGTGGCACAAATGGCTCATGAGTGCAGGACACTTATGGTCTTGTGTCTTATACTTCATGTGTGATGCCAC	17956
CATTTTGTTCTGTGGACTGTGGACACTGTCTTCTTGCTGTAATTGCCTCAGAACCTATTCCCTGTCCTGAATC	17957
TTTTTCTGCTAGCCAATCTCATTGCTATTTGTTGCTAGGCCCCCCAGATAGCATACTGGGGGCAGCTGTCTT	17958
GAGTTCAGGAATTTGAGGCTATAGTGCACTATGATAGTGCCTGTGAATAGCCACTGCATTCCAGCCTGGGCGA	17959
GGAGGCAGGGAGGCAGAGGCAAGCTGAGCGCCATAGCCTCTCTCTCCAGTTGTCATATTGCTTCTATTTT	17960
GGCTAATGAGCTTGTCAACCTTTGTAACCTTCAGGAAGGTTACAAAATTTATCAAACTTGCAAATATAAG	17961
GCAGTTATTTTATTTTTATGGTTCCTTTGGAGAGAACCAGAGAGCTGCTTTAAAAAGTGCTGTTGAATTA	17962
ATGTTGCTGACATTTCAATGTCACAATATTAAAATATTGTGCCATTGAAGAATAAATCCTAGAAGGAGCA	17963
GTTAGATATATAGGATAAAGATGAACTGAGCACCACACTCCTGGTGCTCCAAGTAGTTTATGGTTGATAAT	17964
TAAGAAAGTCAGTAAGTTTCTTCCCCACTATCAATTGTACTGGGACTCCTATGGGGATATGATATCAGGTTGGC	17965
AAATAAAATGAAAAAAAATCTACAGTGAGGTTGTCTCAGTCTTTGTAGTTATGGGCTACCAGCCAGCTTAGAT	17966
TGCAGGGTTTATCTCTTCAGACAAAGGTCGAAAGGCTGATGGCAGTATGGGTCAGGGAGGGGATGTTGACTC	17967
AGTAGCAGGAAGCCCTAGGACGCTGCTCCAGCACCACAAGGTGGTCCTACTGGGTCTGTGCCCTGTGTCTTT	17968
CAGTGTCCTGATATTTCTCCATCATCCTTGTGTGAAGTCAGTTCCGTGCTCACACCCCTGCCACATGGAGAGG	17969
CATCAGACTGGATAAGGCCAGATACCAGAACATGAGTGTGTCTGATGATCCTAGCTCAGTTATTGCAACG	17970
ATTATGTTTTCTGTAAATTGTTAGCAGAAACATGATTTTCCCTGAGTCTTGCTGCTTGGTATAGATCATAAC	17971
GAACTATGTTCTCCAAAAGGATCCACTGAAGTCCTACCCCCAGTACCTCAGAGTGTGACCTTATTTGGATA	17972
GTCTAGAGCTTATCAGACTGTTCAGGGCAGAGTAATCCTGACATTTTTTCAGTTTCTGGAAGCCACCTGC	17973
GTGAATTAGACAACACCAAGATCACATCGTGCCTTTCCTCAGAGCGGAACAGGCTGATGAAATTGCAAATCA	17974
GCAGGCCACCCACACAGGTGCCATCATGTCCCAGTTCAGCTGGGAGCAAAGACCCCACGGAAGGCACCATCA	17975
CTGTCTTTTTAAATAGGTAGTTCAAGCAGTCTGAATCTCCTCGTGGAGGGGTTGGGTGCGGGGTGGGAGGTGG	17976
GGGTGTAATTGCAAATTCCTTATCAGACTGATAGGGTTTGATGGTGATTTTGTCTGATGCTCTTCGTTTAGC	17977
CTTATGTGAAATGTTTAGGACTAGAAGTGTTTGAGTTCTTTTGGATTTTGGAATATTTGCATACATATGAGA	17978
TTTTCTCTGAGGACCATGTTGGTTTTCTGTGGTGCAGCAGCCCTGCCTGGATGAGAGAGTGACGACTTCCT	17979
CATGAGGGTGGATCCTATCTGGCCCTCTTGTTTGCCAAGAGAGGATAGAGCAGGATGTCAGCAGTCTAAAAC	17980
GCACAGGACCATGGATTGAAGCACTGATGATGACATAGCACCAAAACAAATCAACAATTTAAGCTCTAGGTCC	17981
ACTGGGGTTAATAGAACACCACTTGGAGGGCTTAAAAATCTTTGGGAATTGGTTCTAAATTAGCTAAAAAC	17982
TTATATAGCAGTAAACTGAGAGTACTGCTTAGAGAAAGGAGCTCTTTATCTGGGCCTTGAAGGATTGTTT	17983
GAACTTCAGCAAACTACTTATTCTCAATTGTAATACCTATTGGTAATAACAATTAGTGATTAGCAGCTGAT	17984

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Table 1. Novel miRNA sequences

CTCAGTGCAGGGAAACAAAAATAAGTGGAATGGGGACCTCTCCCCACCAAGAGGAACTCTGTCCCCAAGCTG	17985
AGTTCCTGACCTATGTATTGTGTTGGGCATGTCTGACTCAGAAACCTCTGTTGGACCCACCAGCAACCTTTATG	17986
GATCTATCTATTGATAGACAGATAGATAGATAGATAGCTCATCTGTCAGTTGTTGTCAAATACCATGTGAAAGA	17987
AAAGAATCTTGCTGCTTGGTGCTCAAACATGGGATATTATTGCTAATCCTACATGACAGATGAGTATAGCA	17988
GTGGCTGAAGTGGGCAGTTTATGGGGTGAAGGGAGAAATCCAGACAAGGTGGGAAAGCTGGTCTAGGTGTAG	17989
AAGCCTAAAGTAAGTATCACTGGACAGAAATAAAGGTGTTGGCAAGACCATGCTCCTTCCAGTGGCTTTAGA	17990
ATGAGGGGTTAGCATGCTGTGGTGGGGAAAGATAGAATGACTCTGTCTAGTCCACAGGAAAAGGTCATAAGCTG	17991
TTTGGTTTGATTAGTGCTGATAAGAAGAGGAGGGACTTCCCCATCCCTCCTCAGTCACCAAACATCCATTT	17992
CACATAAGAACCATGGCCTTGGATTATTCACTGCCTGTCACAAGCCTCAGTGTGGCCTGAGAAATCCCTATGT	17993
CCTGTGCCTATAAAAACCCTGAGACCCTAGTGGTCACACACACAAGTGGTCACACACACAAGTGGCTGGAC	17994
GTTACATACTTAAACTAAAGCCTCAAAGCCTAACACTGGCTTTGTATGTAACTAGTGTTTGACAGGGACTCC	17995
GCAGGGCTGAGAGATCCTTAGGCCTTGTGTGCCAACAGAGCAGGATGTCAATGGTAAGGCAGCCAATGTGC	17996
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ACAGGGAAGTCCTCGTGTTGCTGGAAAGGGGTCCTGATCCAGACTCCAAAAGAGGGTGCTTGGATCTGGCAC	17998
GTCATTTGCAGGCTGAGGAGCAAGGAAGCCAGTAGTGGCTCAGTCTGAGTCCCACAGCCTCAAAATTAGGGA	17999
TATGTGACTGGATAAAATTGAGAGTTAGGGACTTGAGATCCTAGGTCCTGACTTTCTCACTGTCTCTTCTC	18000
CCTCCACTCTGGAAGTGGATTAGAACTCAGATACCCTGATTCCAGGAACATGGTCTCTCTGCCTCTGGACAGAG	18001
AATTTGGAAGTTGGGGATGTCAGTGGAAAAGTCGGCTCTGACGGCTCAAATAACAAGCCCCAAATGTGATAG	18002
TGGCTAAAAGGTTGTGGAGGTAAAATCCTGAGCCAAAGCTCATGGTAGCACCAAAACTTTCTGGCATGGAGG	18003
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TTTAATACAGTGTCTGTGCTCCACCTGTGTCCCACAGTGGACCAAAGGATCGCATAGTCCCTGTGGCCAGATC	18005
TATCAGCTCAATAGTATCCCATTGCCAGGGATTAATTTGCCAAATTAGCTAGTTTGGGGGTAGTGAAAAGCAGA	18006
AACTGAGGCGCAGTAGTGTGGCATGCCCAGGGCTTCCCCCACACTCCCACACATGGCCAGAGGACATGAGGCAT	18007
GGCTGATATTTAGCCAGTATTAACAGTTATGGTGATACTGGTTGTTATTATTGAAAAGCTTTCTTACCAGTTGA	18008
TGATAAGATGCATCAGAGGCTGGGTGCGGTGGCTCACACCTGTAATCTCAGCACTTTGGGAGGCTGAGGTG	18009
CTGCCAGGGATTTCCCAGGGTCAGCTTAAGCCAATCTTTTGGTTTCCTGCAACTTGCCTTCCTTTTATTTC	18010
TCCAAAAGTAAAGGAACCACTCTTGTTTATTTGTCCTTTCAGAGTGGACTAGGTGCTGGTAAAGATTCCTTT	18011
TCTCTTGGCTCATCCCACCTTTTCCTTCTCTCCTTTCTCAGTAACTGTTTATGGGGCATCTCCCCGGGGAGGCT	18012
GTTGCCCAGGCGGGAGTGCTGTGGCGCGATCTTGGCTCACCACAACCTGCACCCCCCGGGTTCAGGCAAT	18013
CAGCAGATTTGGTATCTGGTGACCACCTGCTTTCTGGCTCACAGCTTGCTACAGTTTGGATGTCCCCTCC	18014
CAGAGCAAAGGTGAGTCTCATTACTCTGGCTTAGTCTTCAGAGAGGGAGAGAAAGACCCTGCTCTCAGGG	18015

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Table 1. Novel miRNA sequences

TTACCTGCTCCAGACCACACAGAGGTACTACCACATATCAGAGAATGGGACTCTGGGATCAGGTCTTTCTGGCA	18016
CTATAATCGTCGTACTATTCATTGTTCTAGTGTTATCTAGAATTGAGTAATACCATAAAGAAGTGCGAAGCC	18017
TGTAGCACATTTAAGGAACCTGCTATGACATGCTGAGGCTGAGCATCAATGCCTTTGTTCCTTTTTCAGAC	18018
CCTCTTAGAAATGAAAATTCACTGGCCTCACCTCAGCCTGCTGAAACAGAACCTGTAGGGTTGGGTCCCAGGAA	18019
ATAAGGGGCTGAGTCTTAAATTTCACAGTGGAATAGCTACTGTACCACTGGTCCATCAAATTCCCCAAGCCTA	18020
ATGTTTATATCCACATCTACCAAATGTTTAGCTCTCACTTATGAGTGAGAACATGCAGTCTTTGGTTTTCTT	18021
ATGGGTAGGAATAGTCCATGCCTGGCTGGAGGGGGGTCCTCTGCTTTCAGCTTCAGCACAGGAATGGTAGACCTG	18022
TGCGTGACTATTTGTAGATTATTTGCAAGGTCTTGGCTATTGTTTTGGTTTATGAGTTTGCAGGTGCTGA	18023
ATTTGCTGCTGAAACCCTAACTTGTGAGTCAGCCTTAGAAAGAGTGAAAGATGTCAGTAGACATAGTTTGTG	18024
TTCTTGAGTGCAATCAATTTTCTCTGGGGAAGGAAGACTTCAAAGGGGTGTCGTTTAACTGAGTGCTTACAT	18025
AGAGGTCTTCATATCAGAGGCAGAAGGTAAGAATCTGCTGAATACAGCAGCAAAAGCCAGGATAGGTCATCTG	18026
CAAGACCTGAGTAATCCAAGATAGCAAGAGCAGATCAATGATCTCTATACAGAATGCTCTACAAAGGACTTG	18027
CCTTTGTCTCAAGTTCAAATACCAAGCTTATAAAAGTCACAGCCACCTTGGTAACAGGCATTGGAGATAAAA	18028
AGGGCCAGGGAAAGGCCTTTACATCCTTGCATGCATATCAGTTGCAGTTAATGGAGTTCATAGGTTTATTAGGC	18029
GGTTCCTGTCTGCGGCTTGTGATGTTCTCATCAGTTAGCACACACAGACATCACTGTCAGTAATCATTTTTA	18030
ATAATTAGCAGTATTGACCTATGGGGTGATTTCAGGGGAACAGGAAGGGTTTCTGTTCTTCCCTGCTCACTTT	18031
CAACCCATGCCAACCCACAGAGAATTACTGGGCCTCATCTCTACAAATCAGGGGTTCTCAATGTGGGCACT	18032
CCAAGTTACACTGTTAGTCTGGACCAGGTTTTCGTGTCCACATATGCAGTAGATACTTCCCACCTGCTCTA	18033
GCCTTTTTATCTGGCCATTTTATCAGCAACTACAAGTGTGTTGAGTGGTTATTATTACATAGGAGGCTTT	18034
GCTTTAGATGTTGATGTAGATATGTACACATATAAATATGAATGCACGTGGCAGTCTACTTGATTAACATTAGT	18035
CCACTTCCCTCTGACTGTACACAACAGGGATACCCCACAGCAGCTGGAGTACTAGCAGGAGGAAGAGAAGGT	18036
TGCCTTCTCTGAGACAAGCACTGTGTCTATCATGATTGTAATTCAGTCTATTACCTCAGGCAGAGACATGCATG	18037
TTATAATTCTACCTTAGTCTTCCTTGAGGCTTGCATAAAGCCTCAAGATCGCCACAGCAGAGAAGGTAGAGC	18038
AACTGTTGCACCTCACAGAGTGGATTGTTTTTAGAATGTGGACTCTGTGACTTCAGTAATGTGTCGGCATT	18039
TGTGTGCCTGAGCTATTAGGAAACACTGTCAGGAAAGAAATGTCCAACCTCACATCAAGTGCTGGGGCTG	18040
CACCTAGCTATGTGTGACATCATCATTAGCACTTCTATGTTTTATTAGAATGTGGACACATAGGTAATAAGAA	18041
TTATTGTTATCAGGCAGGTGCAATGGATTACACCTGTAATCCTAACACTCTGAAAGGCCATAGCAGGAGGAA	18042
TCTGTTTACCTCCTTCCCCCTAGCTCTGTTACCACCACGCAGCGAACCTACAGCAGAAGAGGAAGGTACCCA	18043
TTTTGAAGACGGGTGAAAATGGTGATGAGAGCACTTGCCATAGTTGTGCCTCTGGCATAAATCTATACCAAGGT	18044
TGTTATTGTTGTTTTGTTTTGTGATCCTTAACTATCATTATTACTTTTGGTTGAGAGTTAAGTCCATGGAAT	18045
TTAATATGGCCACTAGGCAGTGAGCTGCATAGGTGACCACACAAAAGCTACCACTAGCTACACCACTGCCCAGTCC	18046

Table 1. Novel miRNA sequences

ACATTTTGTGTATAAACGTACGGTGTCATTATTACCGTACTTTCATTTTATAATGTAAATATAGTAGGAGGT	18047
GCCGAACCAAATGGAGGTGAAGGCAGTCACCTCCATGGTGTGAATTTGGGACATCTTGGCTAAAACATTC	18048
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CATGTTGGTTGAAATTTCAGTGCAACATTTGGGGAGAGTGTACAGCACTCCATGTGCTGCAGTTGATAAAT	18050
TTTCAATCTATGTGCAGACAATGTGAGGACAGTCTTCTTACATTCTGATGTCAAGATACTAAATTTGGATTA	18051
TCATTCTGTAGATGATTAAATTTGCTTCATGTTTCTAGTCATTTTTTCTGCAGGATGTCTGCTAGCCTCA	18052
CCTGCTTGTTCTCTGCCTGAGATTGGAACAATTGAGAGACAAATTAGTCACCGAGCTACAAGCAGCACTG	18053
AAGTTCACTGCTGAGTATGTACCTAATGGAAGGAATAAATCTCTGAACACCACTGAGAGTACAAATTTGGTT	18054
GTATTACTAAGAAGTCAGCTCAGCTTCCTATTGGAAGTTACATTTGAGTAGTTTGGGATAATGAGTAGGACTTC	18055
TACCGCTCACAGGGCATTTTCCTAGACACAGAATCTCTGAGCTAAGAGGAGGGAGTTGGAGGTAGATATTC	18056
AGAATCTATAAAATGAGGGCCAGAGCCTTAAAGAAGAACACTATGAGGCATCTAGCTGGTTATCGTATTTA	18057
GCTGAGTATTGGCAACAGGTACACCATATAGGCTTGCTTTTTGTTCAAGTATGAATGTGCCTTTTTCCCCAA	18058
GTCCAGACCATTAAGTCTTTAAGGGGAATACAGGACAAAAAGAACCCCGGAGAGAAGAGGGCTGAGTCAC	18059
CAAGTGTTTAGCATAGTTTCCTTCAATATATATCCCTGATGTTGCCCAGGCAGCGTTAGCTATTAATATTTGG	18060
CATTTTGAGAGAGGTGTCTGCTGAAGTTAGGCTCCTACCTTTCTACAGAAAATGAGAGATAGAGGCACTG	18061
TTTTACTGTACAATTACCAGGTTTGTCAAATACAAACTATATCAAACCTATGAATCTCAGGTTATTTATAGTAG	18062
GGTTTGTTCTTGATCCTAACATGTTGCTTATGTTAGACCACATGTTTTACTGAAGGAGATTTTGGGAATTA	18063
GTCTCATCAAGGAGGTGATAACCTGAGCAAAGATTGGTAGGAGGTCAGGTAACATGCCAAGGAGATTTATGGGG	18064
AATTTCCTGTACAGCTGCCTAGAGCATTTTTATATGCTCTTTTATCAGACAAACAGAAATACCAACATACAT	18065
AGAGACATGATTTACGGAAGGTGAAAACCACTAAGTGGTAGAATGAGATGGATAATGTGTGTCTCAGCTG	18066
TGTCTACCCAGTGTATAGCTGCTCAAGAATATGACACAGGTCCTTTTGAGGAAGCTTAGACAAAGGATTGATA	18067
TAATCTCCATTCTACAGTTGGTGTTTTAATGGATTCATTATTACTTTTGGTATGTTAAGGCCAACAGATCAGGA	18068
GATGATAGCACCATGGTTTTGGCTAAATGGAAGGGTATCCATTAGGATATCCAGCAAACTCTTCTTAGATT	18069
GGAGCAGGGAGAGATTTTAACAGCGTAAAACTCTCAGAGGCCTTTGATACTTAAGATGCAGCTTCCAGCTTC	18070
AGTATTGAGCCCCCAAAGTATAGCATGAGTGTATGCTTGTGTTTGCAAGGAGGGACTGGGCGTGGGTGAGAG	18071
ACATGAGATCAATGGCTTTCAAGTGTGACTGTGCAATCACATTGCCAGGGCAACTTTTCAAAGAGCCTGAGTCT	18072
ATATTTCTATGCCTTCATCTTGAAATATCATCAATATATGGCTGAGTAATAGCAGATAGTGGATATTTCAAGA	18073
GCAGAGTCGAGTAGAGTAGCTGCGACGAGACTACAAAGTTGAAACTATCTCCCAGCTGATCCTTTGCAGAAAAA	18074
AGGAGTCATGTTATACAACTTCCACTGAGACATTTCCTGACACCACACTGGAAGGAGCAGCAGGTCCTTTG	18075
CCTCACTATCAGTCAATAAAGTGAAGGGCCATTACTACCAGGTAGACTTTAGCCAACATGTTTCCTACTGAT	18076
GCTGGCATAGACTGGACTACTGCTAGAACACTTGTAATCCTGTAAGCACTCAAGAGTCATAACAGGCCAG	18077

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Table 1. Novel miRNA sequences

TGCTTGGGGCTCCCTGACTGCTCTCCACATTGTCACGGGAGTTACCGCCTTGTAATGCACAGCTCACTAG	18078
CAGGATCTAATTAACATATATATGATTATATATATAATAGGTTATATATATATGATTATATATATAATAGGT	18079
GTCCTGAGTTAGGTGAGGGCTGCGGAGATGAAGGTGACTCTGAAGACGCGTCCTTTCTGCTGGGAGCAGAAGA	18080
AAGCAGGGCTCTGCCTCAGTCCCAACCCTACATGGTCATTTGATAGAGGTTTGAGAGGTTTCACTTCAGAACA	18081
AAATCTGCTGAGTTGAGGTTATTGATACAATATCGTAAATAAAATGATGTGCAATATCACAAAGCTCAAAAAAG	18082
CCGTTACTTTTGCTCACGCGCGCATGCGCATAAGGGGTGTGGCGACGTGCGGGCGTGGGGGCGGTGCGTGCACT	18083
GACGCACGTGGCCATGTGATCCACCGCCTCAGAAGGTCCCCAGGAAATGTGGTAAACTTGCTACGGCTCCCA	18084
ACCCAGCTAGGCGAACACTGATGGGTCAGATTCATGCTGCTGCGATCATCCCAGTGCCCTCACGCTGTGCCAGT	18085
CTGGAGTCCTAATGTTAAACAGGACTAGACGCTTTACTACCTAAAAAAGAGGCTATTGTTTAGCAGGGAAAG	18086
GAAAAAGACAGAACTTGTTGTGCCACATTCTTAACCTAGAAGAGAGTCAGCTCAGTGAGCCCTTCTGACCT	18087
GTTACTTCATCTAATCCTCAGCCAGTGTCTTCTAGACTGACACTGTCCAATAGAGACAGTAACTTGAGCC	18088
ACTGACATCTTTGGGACGAGCACAGGACATCATCCTCCAGCTCAGTCCCCTTTGCTAAAGACACACTCAGGAGG	18089
GAAAGTCTCAACCCACTGGGCATTTTTTACTGCAGGACTTTGGCCTTCTGTTCATGGGAAATGGCCAGAAAC	18090
ATCAAAGCACATTGTAGACTGTAAAGTACCCTATGAACATAAGGTGCTACTAAATGCAAATACAAGCCACAGCT	18091
GGGTGCCCGTGTATACGCAGGATGTCAGTTTCTGAATGAACACTTGCTTTATGAGTGCATTGGAGACCTCC	18092
TTTCAATCTGAGCGAAGGTGGAGGTGCATTAGTTGCTAAGCCCTAATGTTCTTGTTGTACCTCCCACACCAG	18093
CGCGCCCGGGGGGCCCCTCCCCGGCGCACCCCCCTCCCCAGCGCCTCCCCCCCTACCCCCAGCGGCGCACA	18094
AATGGACTGGCCTCCTCTCCTAGGGTTGGCTGCCGCTTGTTGGGGATGTGGATAAGGCACTTCGGGTCTT	18095
AAAATAGCATAAACTGGACTGCATATAAATAGCATAAATAAATTTCTCACGATGTGAGAGGCTGGGAAGTCCA	18096
TGTGTATGTGTTGGTAGGGGGTGGACCTGTGCCTTGCAGGACATGTGGCTGCATCCCTGACCTCCACCTACCCA	18097
CCAGATGGGCCCAATGTCATCAAAAGAGTCCTTAGAAGGGGAAGAGGAAGGCAGGAGAGAACCAATAAAGATGG	18098
ACTCTCTGTGGCATGGGAGACCACTTGCCCATCCCTCCTGACTTGAGGGGCGTTTTGTCTCCATTCTCCTTCGG	18099
AGCAGGCAGGAGAGGGTGGGATGAGCAGTTTGCTGAACCTCCTGGCTTCCTTCTTTCTCTCCCTGTGTCAGATG	18100
GCATTTGCATGTTATCCATGGCCAATCAAATACAAACAGGGCTTTATGTTTGTGGAAGCCGGTGGGAAGCAG	18101
GTTATTGATGGGAAGAGGAAAGAAGTGGGCTGTGCTTGTGTCGCTCTGCTGAGCTGAGCCACTTTGAGGCT	18102
ATAAGGACATGCTAAAGTCCAGGCTGGTGGGATCGCTCCCATAATGGATTTGAGAGGACCACGTGATTCACA	18103
GGCCCTGCAATCCTGTCCTCAGTGTTGTGCACACAGGTGCCCCCGCACGCAACCTCTGGCCCTGCAGTCCTG	18104
TGGTAAAAATATTGCTTGGGTAGAATCCGATCTTTGTCCCAAAGATTATTATATACGTGGTATTTGTATTGTT	18105
GAAACCTCCGGCAGCACAGCAGGCTCTCTGTGTCCTGCCTTGGCTCACCTCTCGTCTGCTGCATCTGCCTGT	18106
TGAATGTCGACCGGGAAAGCGATGGGAAAAGCTGTTCAGACACAGCTGAGCTGCCTCTACCTGGTCACCTGCA	18107
CCTAGCAATTGACGAGACCTGCGCCTGCCCTGGAGATGATTTCAGGAGACTTTGCAGGTGCAACTGTATCTA	18108

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Table 1. Novel miRNA sequences

GTCTGTGCTGCTCACTCAGGCCTCACAGCTGGTGCTTCCTCATTGAGTCAGCGAGCTTTCCTTCCCAGAAAG	18109
TTCTTTTCTTGCATTGCTGTGGGTAGTTTAGCCCCATAGTGCAGTGATTAACAGAATCAGTTATAGTGGGTC	18110
GACAGTGTCTTTGAGAGGGCAGAATTTTTTCATTTTCATGAAGTTCAGCTCATCAGTTACTTCTGTCATAGAC	18111
AGGAGAGCTTATCAGACTGAAAACCTGTGAAGTCGTTTCACATTTCATCAGCAGTTTAACAGTGACAGGTACT	18112
CGTGGACGGGAACGCCGTGTGACTCACTGTGTCTTAGGTTTACTCCTACGTTCGCTCATAAGGTTGAGATTT	18113
GGAGGGCCTGGGGGCCGTGGAGGTGGTGTCTGCAGCTGCCTGTGAAGGTGGGAAGAGGCCCCAGGCCCCCAT	18114
GTGCAGTGGGTGCTCAGTAATACAGGGCTGGTGTACAGTAGGTGCTTAGTGAATGCAGGGCTGGTACATAGTA	18115
CACTCCCCTCCGTCCCCTCCAGCATGACCTTCGACAGAGATGGGTGCACCGCAGCGTGGGGGCTGGCAGGTGGA	18116
CCCCCAGATGCGCTGGGAGGGGCTCCCGAGCCCGGGAGATCCAGGGCTGGGCTGGGCAGAGACCCCGGCCGGA	18117
CTTTCCGGGCGGCTTTGCTGGGCGGGCTTCCCTTGGGAGAGGTGGGAGCCCCCTCCAGAAAGGCCGTGTCCCGC	18118
CGCGGGGAGGGGATCCAGCCCCTGGGGGGACGAACGGGGAAACCGAGGCGCGCGGGGCGGGGATCCAGCC	18119
AGGGCGGGCTGGGCGGGGGTGTCACCGGGGTACCCACTCACGGCCCGTCTCGCCCCAGCCCCTGACCCTGCGGC	18120
ACAGCCCCCCGAGCCTGGAGGAAGAGGGGGCAACAACACGCCACCTCCATGGCACCCCCAGCCTGGCAGCTGAC	18121
TGGAGAATGGCTGTCGGTGTTGCCCGGGTGTGGCTGGGCTGACCGGGGCATTTTCGGGGGCTTTTATCAGATCC	18122
CTAGTGTTCAGCGTCCAATTTCATCCTGGCCCTGAGTGTGTAACGGCTTTGCCCTTGCGGGGCCCCCTGGGATG	18123
GACCTGGGCTGAGACGGGATACAGAACTGGGTACAGGAGCCTGCAGCTAGGGCTGAGTCAGGGCAGGCCCAG	18124
CGGGGGCCCCGCCGGCGCCACGGCCACTTTCTCCAAGGCCTGAGGCGCCCCGGCCCCGCGCCCTCCCTGCCTC	18125
TGGAAGGCAGACGCGACAGGGTGGGTGAGGGGGGCGGGGGTCCCCCACTCTGCCATCAGGATGGGGTAAACA	18126
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CACCCCGTGGTGGCCTCGGTCCCCAGCATCTCCACCCAAGGCCGTGCAGGGGAGCAGGTGCCTGCTTTCCCT	18129
GATCCACCTAACTGGCCTGGCACCTGGTGCCACGTGCTGCTGCCGCCAGGATATGCGCCTTCCCACAGGTGC	18130
CTTTTTCTGTCACACTCATCAACAACTCCTGTTGGCTAGTGTTCAAAAGAGATTCCTAATCCAGTCATTCCT	18131
GATGGTCTTTAAAATCGTATCCAGAGTCATTTGTATTTTTGAAGATGCTTCATGGTTTCTTACAGGAAGGTCGT	18132
AAAGGCAGGCTGTAAACGCCCACAACAGCTCCCTGGAGCCTCGTCACGGCAGGGCCAGAGTTCACAGCCACCC	18133
CAACCTGGCTCAGTTCAGCTGGAGACAGGGCCGACCCGCTTGTTGGAGTCGTCACGAGGACTGAGGTGCGT	18134
CCCAGCCAGACCCCGCTGCACCCTCAGCGGCCTCCAGTGCAGGCTCAACTGTGGGCTCAGCTGGAGTCACCGG	18135
GACCCAAATAGAACGTACAAAGAGGCTGAGAGGGTCTGGGGCTGCAAGGCGGCTCCCGGCTGGACTTCCC	18136
GGAAGTCCCTGCACCCCTAGTCCACAGGTTCCTGGAAGGCGTTCCTTCTCCTGTCCACTAGAGTGCGCCAGA	18137
GAGGGACGCGCGCCTTTTTCGTCCCGCCTCCTCCTGCTTCAAAACTCCGGGGCTGGGATGCGGGGGGCGCGGG	18138
CCAGGGGCAGCGACATGGCCGGGGGGCGGGCGAACGGCAGCGCTGGGGCCTCGGGGAGTCTCGGAGCTGC	18139

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Table 1. Novel miRNA sequences

TCCCCAGGCTGAGCAAAGGCAGCACAGGACACAGAACACGCATTTGAGGCTTTGCGCCGCAGCTTGGATTTA	18140
TAGCAGCTAATGCCACTGGGAACATGGCTCCGAGGCTCCGAACCTGAGCTTGCTCAGTCAGCACCAGTGGGGC	18141
CTGTCTCCTCCCTCGGCTCATCCCCGGCCCCCTGGGGCGGCCGCCTGCTCAGAGCCGATCAGGTGTCAGAGT	18142
GGCAGCGGAAGGAAGGCCAGCAGGACATGCTGTGCTGGGAAAAGCCAGCAGGTCTCCACTTCTCCCTTTC	18143
ATCTCTTCTGTCACTACGAGGCTTCCAGGTGCTACGCTTTATAACCATGGCTTCCTGCCTTTGACAGACTTC	18144
GGGGGACGGGACCGCTTCACCGCTGAGTCCTACACAGTTCTGGGTAAGGAAGGGGAGAAGAAAGGGGAGAGGG	18145
TGGGGGCTGCAATCGGATTTGGAAGACCCTGGGGCTTGGGGGCATGTCCAGTTTTCCCAGCTCCCTAAAA	18146
CTACAAAGCCCTACCCTTATGGGGCTCCCAGTCCCGTGGGGAGACGGGGGTACACTACACACGTTAACCAATA	18147
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CCAGCTGCTACGCCTGAGTAGTAGTTGCCACCAGCCCAGACCAGCCACTACCCCCCAGCAGCGCTCAGCACC	18149
CAGCTCTGGGTGTGCAGTTTGCAAATGCTCCACTTCTCTGGATAAGGCCAGGTCCATCTCCAATGCAGCC	18150
TCCTGCCGCAGAAGTGGGGCGGCCTTGATTAAGCAGCCAGTGAAGGGGAACGCCCCAGTTTGCAGTGGCTG	18151
ATAAATGTTACCAGTTAGGGTCTGGAGTCTTCCTTTTTGCCTAGGATCTATGCCACTGTCTGCCACCTTTTTC	18152
TCTGGGCGGGTCTCAGCCTCCCTCGGGCTCAGAACCTTCTTCTGCGCTTGACTTTCCCAGGAATTGACTCCAG	18153
TAAACAGATCCACGTACACGCAAACCTCCACTGACTGCACACGTGAAACGGGAAGTGTGTGTCGTGTGAACT	18154
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GAGTGAGTGGGAGACTCCCGGCTCAAAGCCAGACACTGACTATATGCATTGCTGCTCCATAGCTAGACTCCC	18157
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TAAAATAATATTTGGGGCCACAGCTGGACTTGGTAGCTCACGCCTGTAATCCCAACACTTTGAGAGGCCC	18159
GGCCGCCGGCTCCCCCCGGGCCCGCAGGAAGCCCCCCGCCCGCCAGCCCCGCCGGCGGCCCCCTCGGCCCAG	18160
GACCCTCCCACCCCTCCTCCCCGCGCCATGCTTGGAAGGCCGACTGAGGCCGCCATGCTGAGTGTGGCCGCG	18161
CCTAATGCAATATCACTGGTGTCCTTGTAAGATAGTTATATGTCTGCCTGGTTCTGTGTAGGTGGTTGGG	18162
CATCTGCGACCAGGCTAGGGCTGTGCTGTCAGGCTCCTGGCCGGCCCACTCTGTCTGTTCCCAGGGTCTCCT	18163
AGAATCACTTGAACCTGGGTGGCGGAGGTTGCAGTGAGGCGAGGTCACGCCATTGCATTCCAGCCCAGGCAACA	18164
TTCACCACCAGAGGGCGCTGCTATCTAGGGTAAACCCCCCGGGGCCGCGGTTGTCAAACCGGGTATATAC	18165
ACGTGGAAGGAAGATCCAGAATTATCCCACGGAAATCTTACCATCGTCACACCACTGGGCGTTTCCTTCCC	18166
GACAAAGAGAAGCCTGAAAAATCAAGCTGCAGACATAGATAAGCAACTGCAAGCTTGCATGGGTGAATCCT	18167
ACGGGTTTGGCGGCGCGGAGAAAGCGCCGGAAAACACAGCAGCGCTCCGTGACGTCACTTCCGCCTCCAGCC	18168
GGAGGTGGGGGAGGGGTGCCCGTCACGTGTTTGTAAATTTCACCCTCCGGGGGCATTTCCCACGTTGCAG	18169
GGCCGCAGACACCTTGGGCCTGGCCAGCAGCGCGCGCCACACCGCCCTGCCGCCGTCCCCATGCGCGCCCCGA	18170

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Table 1. Novel miRNA sequences

AATTTTGGTAATAATAACAGTGATGGTTGTAATAGTAGCAGCACCAAGTCACTGAACATCTGCTCTTCAC	18171
AAGCCAACCTGGACCGCATCAGAGTAGCAACAAGCTATCACACAGAAGTGGCTTCCCTTCCAGGCCACTAAG	18172
CTGGAAGAAGCGCTTGAGCGTGCAGACCTGCAGCACAGCCACCAGCAGCAGCACCGCCACGTTGACAGCTGACC	18173
CTCCCAAAGTGCTGGGATTACAGGCGTGCTGGATTGTATTTTGCTGTCAGTTTCAGTTTATTTGACTTAGA	18174
TGCTTGTGCTGTGCGCTGAAGAGGGCTTTGTGCAGTACTTATAATGCCGAGGTTGCAGTGAGCTAACTTGCA	18175
ATGGCGGCTGCCGTTCTGCCTCCGTGACGCGCGGGGGTGTGTCCGGAGGGCTTCCCGGAGGAGGTGGCGTGG	18176
GCCCACAGTCCCCCAGTCTCTCCCAGTTTATGGGGTGACAACAAAGTGGTCATCCGGAGAGAAATCTGACCTTG	18177
GTCTACCTGAAGGCTCACTCTTAGCATGTCCTCTAGCATTCGTGTCTAGTGGCCTCAGGTTCCCAAAGAT	18178
GAGGGGGGTTAGGGAGGAGTGAGTGGGACTCAAATCCAGATGCCTTCCCCGTCCGTCCGTCCGTCCGTCCATCC	18179
CCAGTTCGGCCTGGGTAAACACCCCCCGGGGCATTCCCCTCAACGGATCCCAGCAACGCCTCGAAGTCAGATC	18180
GAAGACAGCAGCAATCTCTGTTTTGAAACACAGGGAGCCCCGCTGTGCGGAGATCCAGGCACCTTTAATTCAG	18181
TCTAGACACGGTAAGAAAGAACTTGGTGGGGGCCGGGGGCGGTGGCTCACACCTGTAATCCCAACACTTTG	18182
ATTAAAAACTAGCATACCTTGCAGCCAGGTTTCTTGGGTTCGGCCTAGGCATTGCAATTTCCTGGCTGTG	18183
GTTGCTTTTTGGTGTGTGTTTGCTGTTACCGCTTAAATTAACCCTGAGTGACGGCTTGCAATTCGCCACAAAG	18184
GCACCAACCCGGCCCTCCTTGTCCACAGGGCACCAGCCCCAGAAGGTGGCCCGGCGCGTGTTCACCAACAGCCG	18185
TTGAGCTAAGCAGGTGGGAGCGGGGCACCTAGTCCTCCTCCCCACTGGCTGCCTTCTTTCCCACAGGTGAGT	18186
CTGCCCGGGTCGGGGATGGGGAGGGGCGTGGCCGGAGCGCAAAGCCCCGCCCCTCCGCGCCCCCCCCCCGGAAG	18187
CTCCACCCCCCGGCCACACGTGTCCTATTCCCCTGTGATCCGTAAGGCCGGCGGCTCGGGGCCCCCGCAGC	18188
CTCATCCTTCAGCTCGCAGTGCAGGTATAATTTTAAGTGGAGTCAAGGGGTTATTTGACCGATGCCTGCCTCC	18189
AGGCAAACTGACTTAGAAATTACCAACCTTGCAAAAAATAGAAGATTTCTTAAAGTCAGTGAGCATGATGGT	18190
GGGCAGGGGGGAAGGGCACCTAGCTAGGACGTTTGATTTAGGACCTGGTTGGGGCCACTGACCCCTGCCC	18191
TAGAGCTACTATTTATTGGGCATCTAGGCTGTGCCACAGGCTAAATGGCCAGGCGGATAGAGATACCTACTCTG	18192
ACAAGCCGCCTGCTCGCCCCGCTCCCCGGCGCACCCGCTCCGGGAGGGGGGCGGTGGGCGCGCGCAAAAC	18193
CCCCCGGCAGCGCGCGGGCGGGGTCCGCCGGCGCCGTCCGGTCGCCCCGGGACTCCAGACGCAGGTGCGCC	18194
GGTTGTTCTGTGGCTTCTCTCCAGGCCTTGTAAGTGGCTGGCTGTTCCCTGAGACTTCACATTGTCTTCCTT	18195
GAGCCACCGCGCCCAGCTAGCTTTTTTAACCTTGTAGCTATCTTACTTAGGAATAGAATGGGAGGCAGGTTT	18196
TGGGTTATGACCGCTATGTGGCCATCTGCCACCCCCTGCGCTACTCTATGGTCATGAGACCCACCGTTTGCCT	18197
AACGGGGGTCGCTGCGTCCAGACTGGGGCCTATTGCCTTTGTCCCCCTGGATGGAGCGGACGCCTCTGTGACA	18198
CTCAGTCTCCTGAGTAGCTACGCCTGACATCTTTGTTTTGTTTTGAGAGTCTCGCTCTGTCACCCAGGCTGGAG	18199
CCACCCGCGCCCCGCCGGCCAGCCCAAGCCCGGGTCCGACGGCACCAAAGGCAGGACAGCCGCGAGCGAC	18200
GGGGGAGGCTCCCACTGGTGGCTGGCCTGATACTTCTTAACATGGCTGCACCTCCGACCTCCCCAGGCTGAA	18201

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Table 1. Novel miRNA sequences

GTTAGTTATAACAGGAACCTTGCTTTAGTTTAGAATAGCTCTTAAGGTTGACCTGTGGGTAATAAAAGGTC	18202
TCCAAGGCTGTGCCATTGAAACGGCCTCATCTGGGGTAGATACCCGAGATTTGTCATCTCATGGCCATGGAG	18203
AAAGTGCTGGGATTATAGACATGAGCCACTGCACCTGGCCATTCTCTAATATTTTCTAACTTCCATTATA	18204
GGGGCTGCCAGGCCCTCCCATCCCGCCGTGGAGGTGGAACAGGTTGGGCCCTGAAATTCAGGCAGCCCCCTGA	18205
AAGCATCCTGGGTGCTCACATGCATGCTACCTAATAATACACAGGCTTGGTGGTAGAGAGCCCATCTAGCTCCC	18206
TGGTAAGCGGATGAGCCACCTGGTTTATGCATGTGATGGAACATTACACAGCAATGAAAAGGAGTGACCTTCT	18207
GGGAGTTCTAGGGTCTTTTTTTTTTTTCTTTTTTCCTTATGCTTCTGTAGGCATTGAAGCCCTAGGGCA	18208
AATCAGCCACAGGGCCTGGCTGCCAATTTGTTTCCTAGTGATTATCCAGGATAGATCCGATTTCTGCAGGCCT	18209
GGGTAAGCAGGGCACATTGACTAGCAACCATGTAGTACCCTCCCAAATGGCAATGTTGTCCTAGCACCTGGAC	18210
GCTGCCTGGACACAGGGTGGGCAGGCCGGGGAGCCGGGAACCGCCCCCGCCGCCCCTCCTCCTCCCTCCC	18211
CATAATGGCACTGCGATACGTTCTAGGGGCTTAATGGGAAAATTCCATTTTTAGCCAGGCCAGCATCTGAC	18212
CCTCTCTCTGTCCTCTAGGTGTGTTTGGTGGCCGGGGCCGAGGTGGGATCCCGGGCACAGGCAGAGGCCAG	18213
GTTTTTGAGATGAAGTGTCACTGTCACCCAGGCTGGAGTGCAGTGGCACAATCTCAGCTCACTGCAGCCTC	18214
CACCAGGGATGGCTGATGGGACAGGCCCCACAAATGGAGGAAGAGCGGGGCCGAGGGAGCCATCTGACCA	18215
ATCGCTTGAACCTGGGAGGCTGAGATAGCGGTGAGCCGAGATCATGCCATTGCACTCCAGCCTGGGCAACAAG	18216
CTGGGAGCTGCCTCAGGAGCCCCAAGGAGAACACTGGAGTGGGGGGCACAGCAGGCACAGCACATACCGGAGA	18217
AATTGGGGTCCTGGGTAGTGGGGCCTAGTCAATAAGTGACCTAGTCTGGTCACTAAGGACCTGGTCAGTCA	18218
GTTCCTGTATAAAGATTCTCGGTTAGAGCTAGTTTTGGACCCCCCACAGTAGTTAAGAGGACAGGCAGCAGCAG	18219
ACTTTGGTTTTTCTCATAGGAGAAATTGTGACATGTCTCTGAACCCAGCACCTCGGTGATGTCACTGTTCTC	18220
CAATCCCATATGTATCTAGGTTCGAGGTGTAAGATTCAATAGCTCATGTATGTTGGGCCTACGTAAAGAGTC	18221
TGTCATGCATGGATCCAGTACACCATTGAGATCATGACTCATGTACTTATACCCAACATGACATTTCACTGG	18222
CCCCGCGCACGGGGTCGGCAGCAGGAAGCCCGCGGGGACAGCCTTCCCTGACGCTCGCCCGCGCCGACCTCTG	18223
CCACGGCAGGGATGGCTTCGAATCCGAGCCCCCGACACCCCGGCCCCGTCCGCCCAGCCCGCACCCTGCGTGG	18224
AAAGAGAAAGAAATAAAGGGCATCTAGGCTGAGTGTGGTGGCTCACACCTGTAATCCCAGCACTTTGGGAGGCC	18225
GGAGGGCCTCCCGGTGTTGGGAGTCCCTCACCAAAGAACTTTGTGAAACTCTTAGCGGTGGATCACTCCACTCC	18226
ATCTCTCCAATTAGCTGGGTCCAGAGAGGAGAGTCCTCACCACTATGAGCTGGGTTTAGAAATGATTCACC	18227
GCATTCTTCCCACAGAGATAAAACTTTCTTTTGATTGAGAAGTCTGGAAACACTGTCTTGGTAGAATCTA	18228
CATTCTCCAGTCTCGAGCACCCAGGGACAAAATTGAGCAGTTTAATTGTAGAGACATCTGGGCAACTCAGGC	18229
CTCCCGTTTGACTCCAGGCAGTCTAATGATAGAAATACCTGGTTGACTTCAGGCATTGTAATGGGAGAGACCC	18230
TGACATAGCTGCCTGGAATGTACACTGCACACTGCAGTGTTCCTTCCAAAGATGGAGCCACTTCTGTGTCTC	18231
ATTTTATAATCTCATCTAAAAACTGTTGATATGAAACATAACAACAGAAATACAAACAGTGAATCTTGATGAGG	18232

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Table 1. Novel miRNA sequences

ACTGTGAAAGTCTCATTCGACTTGTCTTCCTTCTGTTTTGAAGGGAAAAAGAAAATGTGTCCTGGCAGTCAT	18233
CCTGCATCCACTCTATCAGGAGGCAGAAAGGGAGCATCTGAGACCTAATACTGCCTGCATGCAGAAGTGGTCC	18234
ATTTCCGCGAAGCCCCAGTGCACGTGATGGGAACGTGCTCCCACTTCCTATGAGTTGCTAGAATGCCGAACA	18235
CCAGGGTGGTTGTGAAGGTTCAATAAGGTGCATATGCAATATGCTTAGCACCAAAACTGGCTCGTAATTACATG	18236
GATTTGGTGCCCAAGAGCAGCCCACTGGCGCAAGGCAGGGCGCTAAGGTGATGATGTGGCTGAGAAGCATC	18237
GCGACTCGTGCTTCTCCCCCGCCCCTGGCCGCACCGCCAGAGCCTGGCTGGGGCGCGCCTACTCCCGCTC	18238
GAACTGCTGGGCTCAAGCAATCCTCCCTCCTCAGCCTCACTGGCAGCTGGGATTACGAGTCCCACCCAACCT	18239
TGGGCCTGTCTCAAAGAAACCCCAGGCCAGGAAGGAGCCCCAGAGGTGCTCAGTTCAGCAGAGAGAGCCATT	18240
AGGAAGATGGTTGAATTGAAACCAAAGGTATGGTCAGTCACAGGTTTTAAAGATTTTCCTGCGGTGTTGTT	18241
CTTCGGCAGGAGAGGGGCCAGCGTGGGTGAGGAAAGGACTGTGCCATCAGGCGCCCTGTCCTCCCTCGGTCCACCC	18242
AGAGCCTGGGCTGCCCAGATAGCGGGGTGGAGGTTTGCTTGCAGGTAGCTCCCTGTCCAGGCGCCTTGTACAGT	18243
CTAAATAGCAGCGACTCAGTCAGGGTCCTAGGGGGACCATCCCACAGAAGTTAGGGGAACCTGAGAACTGGG	18244
TAACTCACTGGAGACTGCCACTAGTACTCCCCTTTGCGGGTGGACGGAAGGTTAATGGTGATTCCCATATT	18245
CTCCTTAAAGTGCTAATAGGATGACATCCTATGAGACATGATCATCTGGGGATGTCAAGGTGGACTCCTGGAA	18246
TCCACTTCATCAGACGTGTATCTGGGACACAGTGTCTCCACCTGTGGACCTCATGGGGTGGGTATGAGGGG	18247
GGCTGCACCTCATGGTGTGACGTCCACCTTCTGTAATGAATGCACTTGGAGCCCACGGGGGTGACACAGC	18248
CCTCCAGCTCCACACAAATTGCTGTAAAAGACATTATTTGATTTGTCTTTATGGTTGTGTAGTATTCCATGA	18249
CCAAGGAGAAGGTGTCCACACCTCGGGCTGACAGTTGTCAGGCAGGCGGGCAGCAGCGTCCTGCTGGGGACA	18250
GGCAGGTGTGCCATCTCCAGCACCATCTCAGCACCTGCTGTCTCTGAGGTGGTACCAGGGCTGTGTGAACCAGC	18251
TGTTTTCAGTAGAGACGGGTCTTGCTATATTGCCCCTGGTCTCAAACTCCTGGGCTCAAGGGATCTGCCTATCT	18252
AAGGATGTCATCCAGGGCCCAGGCGTCTTCTTTTTGGTTCACTTCCAACACCTGAACCCTGGAGAGCAATGGGG	18253
TGTCTTCTTTTGGGTTTCAGCACAGGCTTTTAATTAGGTTAATGTTCTTGTTGGGTACCCAAAGTAGTCT	18254
GCCCTTAGCTTATCTCTGGTAGCAAAATCTGAGAACTCCAAGGTCCTGGGACTCTCACTCAGCTCCGAAAGAG	18255
CCGTTCTTTCTAGCCTAAGCCCCCAACCCTGGGCCTTGTGGCTCCAAGGTGCCTCACTTACGTTCCATGA	18256
ATGTGTCTCCCAAAAAGCAAAATGTTGGAAACTTGATCCTCAATCTAAGTGTTGAGAGGTGAGGCCCAAAGAGA	18257
GGGGGACCGATCGCGCCGGGGGCCGAAGAGGAACGCCGCCCCTCTCGCTCCCCGCACGCTCCGGCTGC	18258
TTCCATGGCACAGACCAGGGCAATGCTGTGGTCCCTGGCTCAGGGACTGTCTTTGCCCCACGGGGAATGCTGTG	18259
GTCATTATCCCATAAGTATATATGTGGTAGCCAGACTATCCATAATTACAGCAGTTTGATACCACGTCATGCTT	18260
CACTATGGCTTATCAGATGTCGTGTAAGGGATGAGCCATGGCTAAAAGTCTTCCCACATTCACGACATTCATAG	18261
TCGGCGCCTGGCGTTCCCGAGGCACTTTGTACCATCTTCAGTGATGACACGAATGCAATGGGGTTAGTGCC	18262
AAGCAACCTGCCCAGGGTTACACAGCTTGTGAGAAGCAGTACCAGACCATAAGTCCAGGCAGTCTGGCTTCA	18263

Table 1. Novel miRNA sequences

CAGTCTCTGATGGTTCTCATCTCTGCCTCTGAGCCTCCTGCTCACAGCGCCATCTCTACCTCTGCTTGCC	18264
TGCTGCTGCTGCTCAAGCATGTGTGGGCTATAGCCTGACCATCATCCAACACTCTGATGACCCTAGTAGC	18265
CGTCAGCGCGCCGCGTCGGGGCTGTTTCCGAGCCACCTCCTCCCGCCCCCGCCCCGCGCAATCCCCACTTAA	18266
CCCAATGGGACGCTGGAGCTGCTGGTCACCGAGCCGGGTGATGGTGGCATCTTCACCTGCATTGCGGCCAAT	18267
TGTGCTCCTGGGGGGACCTGAGCCTGAACCTGTGGCCATGGCTCATCTGGGGCTTGCACAAGTGACCGTAA	18268
GCCAAACTGAACAGCAGCTGAAAGTAGGAGGGTTTCATCCACCCCAACAGCAGTTGAGTGCAAGGGGTAA	18269
TTCACTGTGACCCAAGCGGCGGCTCGGGCCTTGCGCATGCGCGCTGGCGAGGCCGACTCCCCCGCTCCACC	18270
ATTTTTCCGACTCTGTGATGTCTGTGATGGAATCTCTTCGTGAGGTCTTATACACACACACACACGCATATA	18271
TTTTGAATTGGTCTTTCCATGAGCTTGCAGTCTTCTGAAGGCTCCTTGGGGCGGAAGGATCTGTTTTCCAGGT	18272
AAGGTTGGCCTCCGTTGCCCTCTGCTGGCCAGACTATAAATTTAACTGTCATGTTTCCAGAGCAGCTGAAAAGC	18273
ACACACCTAACAGATATCACTATGCCCTCCAATACCACTGGGACCCTTGGTGGGGCATGGTGGTTCACGCCT	18274
GGGAGCTTGTGGGCCCAGCATCATATCAAGAGCAGTTGTTGTGATCACTGCTGAGTATGTACTGGGGCTCT	18275
CAGAATTGTACTTTCCCCAGTGTTTAGACTGAGGCTAGTTACTTAGTAAACTTGGATTTACAATAAGGCAATG	18276
GGTGTTTTGGGTAAAGTCCCCAGGTTGGCTCTGATTGGCTCAGCCTGGGTCCTGTGCCTGTTTCTGAACCAA	18277
AGAGCTGGCCGAGTGCGCGGGCGAGCTGGGGATCGTGTACCCGCGGCACGTGTGCTCGCGCCGTGTGTGCG	18278
TGGCACCAGAGCATGTGAAGGGCTACATCTACGTGGAGGCCTACAAGCAGACCCACGTGAAGCAGGCCATTGA	18279
TGCCTCGGCTTCCCAAAGTACTAAGTGCTGGGCGTGAGCTACTCCACTGGGCGTTTTTTTTTTTACAACTACAA	18280
AGGGACTCAGAGTCCTTATCAGAGTATATTGTAGCTGCTGCTGTTTATATAGGTCTAGGCCTTGCCCTCTTG	18281
CACGTTTTTCTCTCCAGATAACAGGAAGATTGTCTTGAAGAATCAAGTATATTTGATTCTGAAATCTCTCATGT	18282
CCTGCCGAGCCCTCCCCGGGGGCGCGGGCGCCGTGGGAGCCGACGCCGTCCGCGCCCCCCGCTCGGTGGGGACA	18283
TGGGTGAAAGGAAGGAAAGACATAGGATAGAGTCACCTCTGTCCTCTGTCCTCTACCTATAGAGGTGACTGTCCTATGTCTTTCCTTCCTCTTACCCCT	18284
CTCAGGCTTCAGAACGGTTGGGGATGCTCAAGTTTCCTAGAATTAGAGGACTCTGGGATTGAATGAGGCTCCAG	18285
AGTGATCTTTCCCAGATCCCACTTCTGACACCATATATGGTAACAAACAGAGTGAGGCTTTCTATGAGAAACT	18286
GCTGCCTGATTTGTCTTAGAGAAGCACAGACTTTCTCAAGTGTAAATTGTGCAGCAGCGTTGGCCCATGGAC	18287
AGCGCAGAGATGCCCAAAGCGGCTGTACACCAGAAATGGGACACTCAACCTCAGTCTTGTTGGGTTGGGACT	18288
CCAAAGGAATCACAAGGGTCCTTAGGAGTGGAAGAAGGAAGTTAGAGAGAGAGATTTGTGGATCCTATGCTGC	18289
ACGGCCTCCCGCTCCCCCCGGGCCCAAGCGGCGACGGCCGAGGAGCGGGCTGCGGGCGGAGCGGCGTCGGCCG	18290
GGAAAAGGAGAAGAAGCGGACTCTGACCTGGAGCTTCCAGAAAGCACACAGCCATGAGGGCGCCTTGGTTCAT	18291
TGGCCTCAAATCAGAGGCAGGGCTTGTACACCATGGCCGTTTTCAATACTGTGTCTGGTTCAAGTGGCTCCA	18292

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Table 1. Novel miRNA sequences

CACACGCACACATACAAACAAACACACACAAAAAACGGGCATGTGTGTTTGTGTATGTGTATGTGTGTGTGTC	18293
CATCAGACTTTGGTGGGGTGGAGGAGGAGAGAAGCTGGAGGCCTCAATCCATCCCCATCCCCTCAGCCCCAG	18294
GAGGTGCTGGAGGAGGCGCCGCCGCCAGTGTTCCCCCTACGGCCTGGCGGACTCCCAGGGCTATGCGAATG	18295
TAATCAAGTTACCGCCGCTACTGAGTACCCAATCTGCTAGCAGCAGAGGCTGATCCTGAGCACTTGATATGC	18296
TGGGAGATGTGATTCTGTTAGGTAATTCCAGTTGGATTTCTGTTTACTTGCAAGAGAATCCTCCTGCCTAT	18297
ATTACAGATGTGGGCCACCATGCCTTGCTGATGGTAAGATATTAATAGCGTTGTAGTACTAGCCAACATAT	18298
CTCGGATTCCCGCGCCGAAAGGGTTAAATCCCAGGAAGGCCTGGTGCCCCCTCCCCACCCCGCGCCGAGTAGTT	18299
AGAGAAGGCAGATGAGGGGCCAGAGGAGGTGGAGCAGGAGGTTGGCCCCCCACTGCTAACGCCACTTTCAG	18300
TCCCTTCGATGTAATGATGCTGCTCTGTCCAGCAGACACCGCTCTCGGGTCTAGGCTGCTATCAGTTCAGGAA	18301
GGCGATGGCGGCGGCGGCGACTCTGATGGCGGCGGCGGGGGGGTCCCGGGCGCGGCCTCCATAGTTCCTTTGG	18302
TCCCCGGCAGCCGGCGGGAGGGCCGGGGAGGCACTGGGCGCCGGGTCTGGGCAGGGAAGCCGGTTGGGGGGGGG	18303
TCCGTTGACCTATGAATGTCATCTATTTAACCTCCAAGGAGGAAGTAGGCCTCTCTAGCTGATTAGGGAAAC	18304
GAGAGACCCTGAGAGGGATGTACACAGAAAACCACACTGAGACTGTCCCAAGGGAGGCAGAGCGATGGGAAA	18305
ATTCTCTAGGAAACTGGCTGATGATGAGGCTGAAGGCCACAGTGGGGTCCTGAGGTTTAACACCGGGGAGGGGA	18306
CAAATAGTTTCTTGAGCACCTGCTGTATGGTAGCCTGTGTTTTAGGTACTGGGAGACAGCAGTGAGCAAGACT	18307
TTGTTTCAGCTGCTGAGTTTATGGTAATTTGTTATGGCAGTAACAGGAAAGGAATTCGACAGTTCTCTGTTA	18308
CATGAGCAGAGGAGCTGGGGGCATGGGGTATCAGGGCCCCAGATGCCCCTCCCAATTCCACAGTGCCTCCTC	18309
GGAATTGAGGAAAGAAAATAGAGTGGGGACTGAGGAGAGAGATGCCAGAGTGGCCGACACAGAGTCCTGTCTCT	18310
GTGGTGACGGGCAGGCGGCCGGTGATGAGAACTTCTCCCACTCACATTCGAGTTTCCCGACCATGAGATG	18311
AAAGGCGGGGGCTCACAATGTTGCCCAGCCTGGTCTGCAACTCCTGGGCTCAAACAATCCTGCCTCGTCCT	18312
CCGTCTCTGGTCCCTTCGTGGTCGCCAAAAATGCTGCGGGAAACTGAGGACTGGTGAGACCGATACGGAGAA	18313
TTCCTCCATAATCCTTAATACTGCCTGCATTCTATGGGATTTACTTAATGCATTTTACTGTGTGGTATGGGTTG	18314
CAGTGTGGTCCGTGGTGGGGCCAGGCGCTATGCCTGCCGGGGTGGCGGAACCTGCCAGATGGACGCTTTC	18315
CGGGGAGGCGCGGGGGGCGGGGCTGCGGCCGGGCCTGGAGCCTCTCGCGCTCTCCCCCCTCCCCGGCTCCTGG	18316
GACGGCCCAGCCCTGCTCCTCGGGATGCCGGGCCCCAGCCCCGGCACCCGCTGCATCCCTGTCCCACCATGA	18317
GCCCAGGGAAGACTCAGTGTTTGTCAAACCGAACCAACATGGTGCCGGCACTTCTCTCCCCACGTGCTCCT	18318
GGAGGGGGCTTCGCAGCGCTGCCGCGCGTGGGGGAGGGGTCCGCCGGCCCTGGGTTAGAGGCTCGCTCGC	18319
CGAAGCGGGCGCGGGTTGCAGCACGCGCCATTTTATAGTGCGCGCCGCTCGCAAGGCCGGTCCTCGGCGCCA	18320
AGGACTCGTGGGGGCTCTGTTTGAGGAAGGACAGTCCCCTCACACCATCTGCTTCCTTACTACTTCTCTT	18321
TGCGCCTGGGGGAACACAGCCTCAGCCAGCTCGACTGGACCGAGCAGATCCGGCACAGCGGCTTCTCTGTGACC	18322
GGATCTCAGAGGTCATTTGGCAGCAACAGCATAGACTGTTCTTATCCTCCTGTAGGACGCCTGTGGTATTCC	18323

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Table 1. Novel miRNA sequences

GCACGGCTGCATCTCTGGCTCTCTGAAGCCTCCACGAGGATATGGAGGGTCCTAGAGGGATGTGGGGGTGGC	18324
GTGGGCCATGGGGAGAGGGACTCTGGGGCTGAACTGAGCTGACCCTCGTTTCTCCACTGGAGCCCTGGCTCA	18325
TCTTAAAATCTGAACAGGATGCAAGATTTGGGAATTACTGGTTTGTACCATCAAAACTTAAATCTGCTCTTA	18326
TTTTCCTGAATCTCTGAAAAGAAAGGGCCTGGACTCTCAGATTTCTTGGCCTTTGATATTTGGAAGGATGAA	18327
AATTCCATGGGCTGAATATAGATTGAGGACCATGTTGGGTGCAGCTAGTTCAGCTGATTGGGGAGTTAGCTG	18328
ATTACAGGGCTCACTGTCATTCAAGGATGTAGCTGTGGGTTTCACCTGGGAAGAATGGCAGCTACTGGAC	18329
CTTTTAGTCTTCAGCCTCTCCTGGAAGTCAGGCTAATACCTAGAGTGTCCAGTTTTTCCAAAGGCTGGAAGTGA	18330
GGGGGACCTGGGCTGCACTGATGCCCCCTTTATGGCACAGACTCATCCCTGATCAAAGCCTCCACCCCCCCC	18331
TAGAACCGGCAGAGGGCGGGGCCGGGGCGGGACAGAGTCAGTCTTGAGCCCAGCGCCTCCGTTTTTCGGGTT	18332
AGCCAAATGGCAATGCATTTCTGAGTTACAATTACTTGCCTCTGCTGTGAGACAAAACTCAGCTGCAGCTCCA	18333
AGGTTTCCCTTTGTGAGTTGATACAATGGTTTTGTTAGGACAGCAAAGCCAGGTGTCCAAAGGTGAAAGTAT	18334
AATAAAACTTTATTTCACCTGGGTGCAGGTGGGCTGAGTCCAAAAAGAGAGTAAAGGGAGATAGATAGGGGT	18335
ACCATACAAATGTAGGGTTTGCGACAAGGCTTTTGGGCGTGATTCATACCTTGCACAACATCAGAGAGTT	18336
CCTCCAGAGGCCCGAGTGCGTGAGGCCGCCGGGGTCCTTCTTCTCCGAGGCGCCGCCGCCCCCGCGGTGGGGG	18337
CCTGTGTCCCCATTACCTGGTGATGACAGATGGAATGAAACCAGAGCCCAGCTGCTTGCACAAATGGACAT	18338
CTTCTTCAGATTATGATATCACTCAGATCAGATTAGGACTCATCCTAATTCGTTATGATCCCTTGATCATAA	18339
GAGAGGATGCCTTAGATTAGAGGCTATTGTTCAGTGGGATTTGGAGAGGATGCCTTAGATTAGAGGGTATTGTT	18340
GCTCTTTCGTTTATTAAGTCCCATTGGTCTAGTTTTATTTTTATTGCCTGTGCTTTTGAGGTCTTAGTGATGAA	18341
AGCTTAGGGCGCAGATACAAAGGAATGCGGAGTATTTTATCTAAATAGCTTGCTTAGTCATATGGTCCTAAA	18342
ATCACTGAATTCTGAAAATGTGGCCTCAGGCTCACAGCAGCATTAGCACTTGCTTGCTCTGGATCTCATCACAT	18343
GGACCCCTCGGTCGGAGGGAAAAGGGGCTGGAGGTCTGGACTCCTGGGTCTGAGATGGGGGGCGAGGTCTGGG	18344
AGGGACGGGCCAGACAGGGCCCCGAGAGGGAGCGAGACGCGGAGACCGAGCAGGGGCAGGGACGCAGGGACTG	18345
TGGCACAAAGAGATGCCTCCACTGCTGCCACCATGTTGTAGAAGGCAGGGCAGGCCCAGAGTCCAGGACCAC	18346
AAGGAAGGGCTGGGGGGGCCGAGGGCTGAGACCGTGCCCTCGGGGCCGCGGTATCCGGCCAGGCCAGCCC	18347
TGAAGAGCCAGGAAGAGGTAGAGGTGGCAGGAATTAAACTTTGTAAAGCCATGTCCCTGGTGAGTTAGTAT	18348
GGAAGTCCCTGATCAAAGTATCCACAGGACCACGCTCCCTCTGAAGGCTCAAGGGAAGGCTCTGTTCCAGGC	18349
TATTTATTTAATATGTCTTCAGAGTTTCAGTCCAGCTGGGAAGAGACATTCAATAAACCTTTAAAGATTATG	18350
CAGGTTTTAGTGGCTCCCTCTGCCTGCAGAATGGAAGACCACGTGCAGGTGAGGGTGGAGCCACCGATACCTG	18351
AGACCTTCTTCACTCACGTCCCTGTTCGGGCGCCACTTGTGGCTGTCGGTTCGGGACTGAATGAAGAAGG	18352
GGAGCTGACAGTAATCTGGGCTATCATGAAAGTAATCAGAGTGACTGCTAGAGAGTAACCCTGGGCCTCAT	18353
TGGCATCTGGTGTCAGAATGATGGAGTGACGGCATCTGTACAGGTGTGGAAAGGACATCTGAACCTGAGATA	18354

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Table 1. Novel miRNA sequences

TTCCAGCAGCCCTGACAGGCGTAGCGCTTCCGGCCGCCATGGCTGCTGTGGTGCTCCATCAGGTGCGAGAG	18355
TTCAAAACCTTCTGAGCCAGATGTATTTTGGAATTCATGATCATTTGGATTTTAGTAGGATGGTAATGTAT	18356
CCAGGAGCCCCATGACTCAGATAGCTGTTGTTGTATTTTAGAGGCCCAGTTGGGTAGTTTTTGGGTGGCATTT	18357
CCACAGGACAGGGCTGTGTTTCCACAGTGCACCTCACTGCATGGACATTCCCTGATGCTGGTGGGACACCC	18358
CCAGCCAGCACCATCTCTAGCTGTGGCTCCTCACAGCTGCCGCCTTCCTGCCCCTGGACTTGCCACAGCTTG	18359
CGTCCTCCGACGGTGTCGGGGAGGCGGCGGCGGCCGCCCCTCGCCCGACGGCCCTTGGGCGCGC	18360
AGGCTCTGGGCTCAGCATGGCGGTTAAAGAGATGAGCCAGACCCATCCCTGTCCTCCAGGAGCTCACTGGCTA	18361
CCACCTCAGCCTCTGAGTAGCTGGGACTATTAACCCATGCCACCACGTCCGACCTGGGTAATTTTTGTATTTT	18362
AAAAGCTTAGAGGAGGAAAAAGTGGGGTGGAGGCATGAGGTTGACCTGTCCCTGCTAAGTGCCACTGTTTT	18363
ACCATGTCTCTTTGTGAAATATCCCCACACAGCATGTCTGGAGCCTTTTCCTATGAGAACAGATGGTCATGA	18364
TTGAACATGCATTCCTAATAATAACTCTCAGCAAACTGGGAAAGACAAGGAAAGGTTTTTCAAGTTGATAAAGGGG	18365
CTTCGGTCAGTGGTTTTTGTTTAAGGAGCTTTTTATTTAGCTCCTCGAACATAGTCCGTGTTGTTTCTCTTTGT	18366
TTGTCACAGCTACTCAACTCTGCTGTTGGAGCAAGAAAGCAGGCACAGACATACGTAAATGGGTGGTTGTGGC	18367
TCCACATTCTCAAGCCCCACCCAGCTCTATTGAATGGGAAGCTCTGGTGGAGGATCCCAGAAATCTGGACT	18368
CGCAGCCCTCGCTCCCTCCCCGGGGCGCGCAGGCGGGCGCTCGCTCGCAGAGAAGGTGCCGGCGGGGCCGGAG	18369
TGGGGAAGAAAACTCAGTTCCTGCTCTCAAAGGACTTATAAGTGAGTCTATGACAGGGAGATGAGCGCTTTTA	18370
TGTGGAGCTGTGTGTCTGGCTGCTATTGCTACAGTCACCACTGCTCCTACAAAATGCCTACCCCACTGT	18371
CATCAAGACCAGCCACTGGTCATCAGAGGCCATTGTGGCTTAGGGTTGGGTGCTGGGAGGGTGGGGAGAAT	18372
AACTGCAAAATGATGAGGTACCTGATACTGCAGGTCATTCCCTGTCTTAGCATCAACAGCCTTTCACGTTGT	18373
GGCTCTTCACTGCCAGACCGCCAGAGCTCTTCTTGCCTTCCACCCTGGGAATCTGGCAGGCCCTTTGTAGG	18374
TAGGCTATATGGTATGGCTTGTTGCTCCTAGCTACAAGCCTGTGCAGCATGTTACTATACTCAATACTGTAG	18375
TTTTCCTCTGTGAGATCTACAGGGCCTGAGTACAATTTGCCTTATTTTTCAGAGTCCTAATCCACGGTAGAAAG	18376
CCTGACCCCTGGCCCTGACTTCTACCCAATAGGCAGGGCCGATTAGTCACTGGGGACCAGGATAGGGTGTGGC	18377
AAACACCAAGTTCTTTCTCATGTCATCGTGTTTCGTCGGTGCCGAGGACATGAGGGGTGTAGATCAGGCC	18378
TTCCCCTTGCCCCAGCTGGAACACGGGTGTCTCTGCCTCCATGCGGCTGGCACCCTGCCCATCCCTCC	18379
TAAAGCAACGGAAATTTGGGGATGGGGATTGCTATTGCTATATAACCTAAGCCCATCCTAAGCCCATCCTGAA	18380
TAGTGCATTGGGCTGCCTCTTTACAGTGACCGTTTCATACTGTGATTTGTTTCCATATTTGTGCCTACCC	18381
AATTAACTTCTAATCAGCATAACTCCAAGCCAGGTGTGTTTGCAGTGTATTTGTGTGTGGGAGGAACATGAT	18382
GAGAACATCCTTCGTGGGATAGTCCATGCAAATATAAGCAAAACACACTGACATGTCTTTATGGGTGGATGTA	18383
AATTCAAGATCATGTCCCACCTCTGCATGCCTGGGTGCTCAGAGCAAAGGGGCTCCAGGTATCCAGGCCAAGAG	18384
GAGTGGGGACACGGGGTGACGGAAGGGGTACCTTTTCTGCAATGCCGTTTTCCGTAGTGTAGATCGCCAT	18385

Table 1. Novel miRNA sequences

TGGTCGGACCCCACTCATCAAGGTAAATGGATTACCCTAATGTGAAATACCACTGTGAGGGGAGGGTGGTGCT	18386
CCTCCTCCCCTCCTCCAACATGCAGTCCCTGGAAGCTCAACCATATTAGAAAGTAGCAAGGGCAGGGACT	18387
GAAGAATGGGGGACATTGGGGTTTGAGTTTATGTTTGGAAGAATATAAGCATGACTTGGAGACTCCTATGTTCT	18388
TAAGTAATTATCATCAAAGGGCCAAGGACATTAACATCATGGAACGGGGCTTGTACATGATTTTGGACTTT	18389
TCTAAGTGAACAGCCTCTGGCAATGGCAGAGTTAACTATACCAAATTTGCCCTTCTGCTATAAATGGCTATAAA	18390
GTTCAGTGGACATAAATCTAAGTAGAAATTAACTTGGATTTGCCTTCCACTCTCTAATTAACATATAAGCC	18391
AATTCTAGCTTCAATTCTACAACAAACTGGCTTTGTGACTACAAGCCAGACATTTAGTCCCCGGGGTTGTTT	18392
ATGGTAGAACTGGCACTTGGCATGGGAATCAGAAGTCCCAAATTCTACCCTTAGTTCTGCCATTTATTGCATAA	18393
CCATGGGGTATAATTTGGATGTTTGTCCCCGCAAATATCATGTTGAAATGTAATCCCCAATGTTTGAGCTGG	18394
GCACCATGTCCAGCATTCATCATTAGGTCAGCCTGCTCTCTGACCTGCATCCTTGGAGTTGTTTGGTGCTGA	18395
GAGTAAATGTGTGCTAGAAGAAATGGTGCATGCAAATAAAAGATGGCATGCCAAGCTTTTAGTGGGGATTTTT	18396
TGAAATTATTACAATGGTCTTTTACCGTTCAGTGTGCTCGTGAACTTCAGAAGGCTTCTGATAGATTTTAGG	18397
TCAGGGACTGCTCAGTAAAAGTATAGTGTAAGTCACATTTGTGATTTTACATTTTCTAGTAGTAATATTAA	18398
CTTACTCCAGCCCTATGAGGTAGTACTGTTATATCCACTTCTAACAGATGAGGAAACAGAAGCTCACAGAGGTT	18399
ATGCGAGCTGGCTTCAGCATACCACTATGCAAAGTACTCCCTTCCAGGTACTCGCTGAGATAGAAGATGGGAA	18400
TCTACTTCATTCAGTACATTAGGGAGAAGCAGCTATGTTTTGCTGGCTACGTGCTCAGAATCGTGCCAAATGA	18401
AGAAGGAGATGTAAAACTGTCAACCTTGATCCCCACAGTGATGGGGGATGATGACAGCAGGAGTAAGTTATGG	18402
GATAACTGACTTGGATCAGGTGTGCCTCCCAAGACAGCGCAGCTGGAGCCAGGTGCTGCTTGTTACCTACTG	18403
TGCCTTCTCAACCACAGTGTAAGTTACAAGCAATTATTTTTCTGTCTCCTCAGTGTAATTACACTGTAATCT	18404
ATTTGATAGGGCTCCATCCCACACGACCCACTGCCCCTACTTAAGGTCTGGGGGATAGGCTCCAACAGCG	18405
CCCCATTTGATGTTGGTATAATCACTGGCACCACGCAGGCCTGTGCAAACGACCAACATGATCTCAGATATGT	18406
CGCTCTACCACTTAGACATCAGTGTTGGGTGGAGGTGCATTCCAGAGTGCTCTGTCTCTTCCTGTGGTTTTT	18407
TGAAATAACTTATCAGACTGATTTCCTATACGGGTAGGTGTTGCCACCTAAATCACTTATTATCAGTGCTGG	18408
TTGCAGGACTCATTTCCAGGATAAAGCCAGAGTGGGACCTTCTAGAAAGAAGTTCTCCCCAGCAGAGCTTGG	18409
GTTGTGCTTATCTGGGAAGGAGAGTTGTGTGTCTGTTCTCATATATCTTTCTGCAGCTGCAGGCATAGCCCCC	18410
GGTTTCACCACGTTGGCCATGCTGGTCGGGAACACCTGGCCTCAAGTGATTTGCCCACCCCAGGCTCCTA	18411
CCTCAGGCTCTGGCATACTTGAGGGGTGAGTGTAGACCTTCATAGGCATCAGAGTCCTGACTTGCAGCTAAG	18412
GAAGGTGAGGTAGTAGTTTGGCATGGCATCTGCAAGGAACCAGCTTGGAGATGATACCTGTGGGGTTGGGGTGC	18413
GAATTGAACATGTTAATATTGCTGAGATATGCCTGTATTAGGTGCTCAGTAACAGCACTCCACTGTAGTAC	18414
ATTTCCAGTCATGGCTTTCAAGAGTACTTATAATTTAAATTAGCTCTCAGAGCATTCTGGATTTCCTAAATAA	18415
GGAGTCCTCCTGCCCTCTCTCCCTGCACTCTGCCCCCAGAGATGCATGACCTATTCCGCAGTGGGAAGCAA	18416

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Table 1. Novel miRNA sequences

AGTGCTCCTCAGAGTTTCGGTTCACTCTCCAGTTAGGTAGACCTCTCTGAAGTTTGAAGTGAAAGACTCTTC	18417
TTGTGCTGAGGATACTTAACTATGGAATTTTTTAAAAAACATTCTAGAGCTAGGGTTGGTTATAGGTGCAA	18418
ATACAATGGGGTGGTGAACAACTGGACATTTGGGGCTTCCTGAAGGTGCTCAGGTGGACTATTTCTGGAACCC	18419
GGATTTTCAAGGTATAGAATCATCTCATCAGCAAAGAGAGATAGCTTGACTACTTCTTTTCCTATTTGGGGGCC	18420
ATAGCAGGATGCTGGTCTGTGGGAGGATGCTGACCTATGGTGGGCTGCCTGTCTACAGCAGGACACTGGCCCA	18421
TGAAAGGTTTAAATTATGGAGCTGTAAAAACCACATCGGTATAGACATCAGTCCACTTTTATAAACCAAGTCA	18422
CCACAGGTTCAGGCTGATGATTTGGCCATCCACAGATGTCTGGGTGCTGTAGTTGTCAAAGACATTGGGC	18423
ATTACCAGAGATGAAGAGCTCAGGACTTTGACGTGTAGTCTAGAACTTCATCTCCCATTCCTGGTTTAGT	18424
AGGAGGTTCTTTTTGATACCAGGAGATACTCCACACTCTAAGGCTTCACATGGGACTTGTATCAGTTAGCTC	18425
AGCACAGCCTGGCTGGACTATTATAGACAGAGCTATTATAATAGGAGTCAGCACACTGGCTCATCCACCAAAT	18426
GTTAAATTCCCACCTCTGCTAGGAGGGGTGGAACTGGCCTGTCCAGAACAGCATGAGAATAGGGAAGAAGCAA	18427
CCAATGTGTTATTTACTGTGTCGAAAACGGGTGCGTACTTGTACATTGACAGTGGGACTATAAATGGGCAT	18428
GGTTCCTTTCATGCTACAGTGGCAGAGTTGAATAGTAGCAATAGTGACCACGTGGCCCGCAAAGCCTAAAATA	18429
TAATGGGAATACACGTAACACTACTCAACGGTATGCTTAAAAATGGTTAAGATGGTAAATTTTGTTATGTGTGT	18430
CCACATCCCAAATAGGCCCTTATGGACCTCCTTCCCCAGAAGATTGATGGGGCTGGTCAAGAGAGACTTT	18431
GTTTGCTGGGCAGGGAAAACCAAAATCAAGCACATAGCTACAGTTTCCACGTTGTTTTCCTTGTTAGAGATG	18432
CTCAGACTCAGCTGCAGCCATATGGGGTGGGTGTGGAGGAGCCGGTCCAAGATGCTGAGCCTGTTGGAGAG	18433
GTCATGCCCAGCTTAGCAGGTAACATGTCATAGCTGACCTCAGACCTTGGGTTTTGATGTTAGTTTAAATTA	18434
GAGCCTCTGTACAAGGAAAGCTAGAAAGCTGAACACTGCATGTCCCAGACTCCTTGCAGCTGGGTTGGCATT	18435
CCTTCCTCTGTACCGCCTCTGCTCTTTTTCTCGTTCTTATTTTTTCTCCTTTGAGGGGAAGTAGAGGACTCCAG	18436
GAGGAACGCGTGGACCATGCAAGACTGTGGGGCTCCCCGTGGATCGCCCCGAAGTGCTCTGAATACCAAGC	18437
CCAGAGTCTCTGAGGACAAAGGATAAACAAGTGTTTCCTGTGTGTTATGCATGAAGGAGCATCTTCCTGGAG	18438
AACCGTCTTCGGGACAAAATGGGATGGGACAGAAACGAGCCTATTTCTCCCCCAAAGGAGCAACTATTCACA	18439
GAAGTAGGACCTCCAGTCCAGTTGTAAACTTCTAGGGAAAAAATACCAAGTCTGCCCTCTGGGGTTCCAAGAG	18440
GAGGCTTTGGAGCTGGCTTGGTCTTAGTGGAAATTAAACATCTGAGTCCCTAAAGAAACTTCTAGGGAAGAAA	18441
GGTTCTCAAGTCCTTCTCAAGAGTTAAGAGGGCTGGCGATAGTCTTGTCTCAAACTCAAATAAAGGGCATTT	18442
GTGTCACAACTGCATATTAGGTAAGTTCTGGTGTGATATAATATGAAATACACAGCACAGTTATGATGCATTCT	18443
GGTGCCAGCCCAGGAGCAGCACGGCAGGAGAGAGAGAAAAGCCACATGTCAGGGGTGTGGGCTGGGGACTCAA	18444
ACTCTATGCGTATGCCAAAAGCCATTGAATTATACATTTTAGATAGGTAAACTGTATGATGTGTGGATTATA	18445
GGCGGTTCCTGGACCAGCAGCATCAGCAGAAATGCAGTCTTGGGCTCCACCCCAGATCGGCCAAGTCAGAAG	18446
CTGGATTTATAACAGGGAGTCATTAGGCTTATAGGGTTATTTGAGTTTATGGGAATGGGTGAACGTGTCTATAG	18447

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Table 1. Novel miRNA sequences

TGTGGCAGGCACATACCTAGATGTGTATCTGGTATTAGCTTATCAGATACTCATGGGCGAGGCATGCTCAC	18448
CATTTTCTCAGTTGGGAACACAACTGTTACTCTGGTCTTGGCTGGGATGCAGCTGTTTCCTCTGAACACAGC	18449
ACCCATCAGTGCTCTACCTCCAGGCTTGGCTTAACAAAGAAGAAAGTCTCTACATCTTCCACGGAGCTCTGTC	18450
GACTACTATAAGTGCCTCATATAAGGGAGTCCTATGATATTTGTCTTTTTGGGGTTGGCTTATTTCATTT	18451
CCCAGTGCTGGTCAGGCCCCATGTTGGGGGAAGAGAGTCGGAAGTCTGGTAGTTGATTCCCCCAGCTCTGGTCA	18452
AACCCAATAGCCTAAGCTCGGAAGGAGCCAGTGCCCCAGTGAGCTCATTCCAATTAATGAGAAAAAGCAGG	18453
CCTCATCCTCCCAAGGTCAGACCCAGGGGCAGAGGCCCGTGGCCGAGGGAGCATCGTGGTTCGTCACACT	18454
GGGAGAGCGAGGGTTCCGCCGGCCACCGCGGTGGTGGCCGAGCGCGGCTCGTCGCCTACTGTGGCCGGCGCCTC	18455
TAAAGAGAACATTGCCAGGAGCCCTTCACTCTTCTAGAAGGACTTTATTTGATAGGTCCTTTTTCCATGGTT	18456
GGTCGGGAGGGTGGGGGCGGGGCCGGCTGCCTTGACCCCGCCCCGCGCCGGCCTTGACCCCGCCCACCTCACC	18457
TACCCCTTGGCTGTGACACTGTTTCAATTATTTTTGTTATGGTGTGAGCAGGGACAGTTTATGGGGTAGAGA	18458
GCAAGCACATGCCTGCAGCTGTAAGAAGAGCTGTAAAATAAAAGTCCAGGCTGGGGGTCAAGGAGGGCTTC	18459
GGGCACCTGTAGTCCCAGCTACATTGGAGGCTGAACCCGGGAGGCGGGGAGCAGAGTTCCTGACACTGCGCTC	18460
GGGCCTCTGAGTTCCTGTCTGTTTGTCACCCGAAGGTTTATTCTCTTCCAGGTACTCCAAACTCGGACTGTGTC	18461
TTTGAAAACAGTGCCCGGGGCTCTTGTTTGTAGACACAGGATTGAACCCAGGATTGTTGAGTGCACAGAC	18462
GAAGCCACGCTATTGAAAGCTGATGATTTTTGAGTGTTCTCTCTGCACTGGACGCTGGTGACAAGGTAGC	18463
CTCCTAAATTGGCTTCCAGTAATGACCCAAGCATATTTTCATAGCGAGGGTCCTTGTTGGACTGGAGGCACA	18464
CTCCACCTCCCGAGTTTGAGCGATTCTCCTGCCTCAGGCTCCGGAGTGGCTGGGACTACAGGAGTGTGCCA	18465
AAGAATCGTCATACCCGCGCCCCCCCCACCCCCACGGCTTAGGGTAGCTGTGACAATTCAATGACACAAG	18466
GGCTGGACCTGCTGCTGCTGTGTGTACAGAGCTGTCCGAGAAGCCCCTGCCTCTAGTAGCCTTGAGGGTGGCC	18467
CTGAATCACTGCCCCCAGAGAAATACAGGGTTAGGTTTCTAGTGGGCGATGGTCACATTTTTTTTGTCAAC	18468
CCTAAAACGGAATCCCAGAAGCATGGAGCCTCAAAGAACTTTGAGTCCATTCCAGACCAGTTGGACAGAA	18469
AGGCAATGCAGAGGAACAAAGCGAGTCTTTTCAACAAATGGTGCTGGAAAAACTGGAGATCCTCATGCCA	18470
TGATGTGAGCATAGCTGGGGCAGCTGGTCATTGGTTCCACAGCCACTCGCCAGGCTGGCCCCGGCTTCCACCTC	18471
GGATTGGTGGTATGCCTGTGACCCCTCCTGATGGATGTCAGCCTGCTGGGCACCCACAGGCCCTTGCCTCCCC	18472
GACTCTTCGGGGCGCGGGGACGGCGGAGCGTGCGCGCTCGGCTTTGTGCTCCGAACTGGGCCCGGAGGGG	18473
GCCCCCAAGTGGTCGCAGTGTCCTTAGTCGGGGTCGGGGGGTGCGGCAGGTCGGGCTGGTCCTTAGGGGTAGG	18474
ACCCCACCGCATCCAAGTTGGGAGAGCATCGGGATATGGTTTCTCTGGAACCCGAGCCACTCAGGAGCTG	18475
TTGACTTGCCTAGTTAAAAAAAACTTGGGTTTTTTTTTAATTGGGATCACATTGAACTTCTAGATTGATT	18476
AGCCCAGAATCCCCGCAAGGACTGGGGGCACAGGTGCTGGTGCCAACAACAGGGAGGGGCTGTCGGGGGGTG	18477
CCCCGACAGCCCCTCCCTGTTGTTGGCACCAGCACCTGTGCCCCCAGTCCTTGCGGGGATTCTGGGCTCAC	18478

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Table 1. Novel miRNA sequences

CCTCGCCCGGCTCCGGCCCAGCCCCGGCTTCGGGGAGCGAGCGCACGCCCAGCCGGCCGCCTCCGACTGCGGGA	18479
GCTTTCCCCTTTGTGCCCAGCATAAGAATAGCATGGGCCGGGGGGTGCTTGTTTTAAGTTCAGATGTCCA	18480
CAAGCAGGAGTATTGTAATTGGATCAAGGAAGAGGATGTGTGTTCCCCCGTCCTCCCCCCTCCCTCCTCC	18481
AACCTTCCCTGAGACCCTACCCTGAGACTTTGGCTGGGGAATGTCCTGCTCATTGGAACTGTCCCATCTA	18482
TGAAAGCGCTTCCCCGTGTTTGAAGGGTCCACTCCTATCCCTTCCAAACTCTGGAGCTTTCGTACATGCCTTTA	18483
GAATTGCTGAAAGCCGTTTCCCGTGTTTGGAGGGTTCACACCTGTCCCTTTCAAATGCTGGCGCTTTCACAC	18484
GGGGGGTGAGGCCCTAGGGTAAAGGGTAGGGGACCTTTGTAAAGGCTCCTTGTGGCACAGGGGGCTGGCCCTTT	18485
TACATAATACAAACCAATTCACGTATGTAAGTACAATTATGTGCATGGATTGGATCATAGATACATTTTA	18486
CTCAGTGATTGGCAGAAGAGCAGGCTACAGTCTGTTTACAATTCCATTTAGATTATAGTTCGCAATGTACTGA	18487
TTCATTTCACTTAATCCAGAGGCTTATTTCTGTTACTTGCAGCCAAGGAGCCCTAATTCATCCAAGTGCACC	18488
AGATAAGGAGGTTTCCAGACAAGCAAAAGTTGTAGGAGTTCATCATTAGTAGAGCTGCCTTACAAGAAATGCTA	18489
TTTATGGACTAGCATTTTGGTTAGTGAAGATAGGAGGGTGACTTAGCAAATACAAACCAAGATGGAAGGTACCA	18490
GAAGATGAGGCACAAGAAAAGTGGGAGGTCCTTAGGGATGGCAGCACAGTGATTCTCTGCCAGGTACCAGC	18491
GCAAGGAAAGGGTGAAAATGTGAGATGCTGAAGAGACAGCTTGCAACATTCCATAATTACAGCCTTCAATGC	18492
ATGGCGCCCGCGGCTGCGCCCGGGGCCGCACAAGTAAGCGCGGGCGGGCGGCGGGCGGGAAGAGGGAGGGAT	18493
TCCTGCCTCGAGAGTGACTGTCCTGTTCCCCACTGAGATGTCCAGCTGGCTCTCAGAAGCAGGACACTAGGAGA	18494
AGACCCCGCAGTCCCACCAGCTGGGGAGACAGCACCCCAATTTTGCCTTTCGTGATAACATTCTGGGGCCT	18495
GCTAAAGAATGTTATGATTCTAGGGGAGGCAGCTCCCTTGGGGATGGCAGCAGGTCTCCACTCACCAGTT	18496
GTCCCATCAGGTTCTATCACATTGCATCCCTTTGAAGCTGTGCATCTGATCTGAGTCATCATCAGGGCTCC	18497
GCAGAAAACAGCAAGCTAGAGGTATGGCATGTGGGCACTAGTTTTCTGGCGCAAAGTTACCCCTGCTGGGCTGC	18498
CCTGTTGTCCAAGTGGAGTCACATGGTTGCTAATGTGGGCAAGTCTGAGGACACACTTCATGAGCAGCTGG	18499
ACCAAGGCACTCCAAAGCAATGGCCCATATCTGACAAAGCCCCATCACCCTAGAGCCCTGGAGGTCATTGTT	18500
AGAACTAATTATTAACTACTAGACTGTGAGGACTCTTTCTTTGGCTTTTAAGGAAAGTCACCGAGTTAATGCT	18501
CAGAGTATTAAGGGTGTTTCTGGCAAAGGTTCAAAAGAAGAAAGCTGGAGAGAAAGGCTCAATCTTCTTAGA	18502
GGGTTGACTGGAACAGGTTCTGCCATATGGCTGTTCAACAAATTGTAGCTATAGCTCTTGTTATTTACCT	18503
TACTTGCAGAGTGCAAGGGAACCAGACTTCAGAAGCACTGGTTCACCAAATGCAAACACAGCAATTATTTCCA	18504
GAGAAGAGTGACTTTGGAAGTCTTTGTAAGATTTTTCTTATCCTTTTCTCTCTCTTTCCCCCCTCCTTCTCTC	18505
CTCAGCCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACTGCACCGGGCCTTAGGGTGGGATGAAAGAGGC	18506
GTGTAAATGCCCCAGCTCCCCCACCCCTTGGGTGGGGTAGTTCTGAGTTGAGTGTTTTGTATCACTTCCC	18507
GGCCACAAGCTGAGCTCTTGCTCTAACCTTGCGTTGTAGCCTCTCTCTAAAATCAGTGCAGCTGTGACCCCTG	18508
AGCACAGTCCCAAAGCCCAGTAATATATTTTAAAGAAGTCTATTAAAGGTACGAGCTTAGCTGGACTGACC	18509

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Table 1. Novel miRNA sequences

TATCTCATCACCTGTGTTTCTGCTCCTTTTGGGTGCAACAAATCATGACTCATTGTGATGGATAAAATTAAC	18510
TAGGTGATGGGCCAGGGGCCATCTGAAGAGGCCTTCCTCGGAAGCCCCTGCCCTGCTCCCCACAGCCCCCTACC	18511
AGAGTGAGAGGGCCCCTGTGACAGTGGCCATCTCCATGGAGCCCACGACAGAAAGGGGCAGCTTGAAGCCA	18512
CCATCCCTAGCAGGCACCTGGGTATACTGTGGTCCCAGATGTCCACTGTGGCCTTCCTGAGGGGTCATGGC	18513
TGGGTTGGTGCAATGGACCTATGGACAAGGAAGATTGATTTCCCACCCCTAGCTGGGTCACAGAGCTTCAGTCT	18514
CAGCAGCGACTGCTGTTCCCGAAAGAGGCTTGACACCTTGCTGGTGACAATGTCTAGGCTGTCCATGTAGGT	18515
CTTTTTATGGCTTTTCATTCCCTTTCTACTGAACTGGGCCAGAGTATACTGATCTGTGGAATGGGACTTCC	18516
CTAAGCGCCAGGCCTTGCTTTCAGCATGTCACATACAAGATCTCATTTGGCAATGGTAATGTGAGCTAGG	18517
ACACAGTAGGCATGTGTGTTTACCGAATGGATGAATGAATGGGCTTGCATGCCCAGTTGGAAAAACAGGAATGC	18518
GGTGTTGCGGTGTTGCAGTGCTGCAGCAGGAAATGCAGCAAAAGCAGGAGCTGCAAGAAGTTGGTTAACAG	18519
ATGAAAGAATGTACCACCATATATTCATGTTCAAAACTTGCATCTAAATCTGATCAAGGCCAGGTGTGGTGGT	18520
TGGAGACCCTGGGGTGCGACAAAGGGGTTAGGGGGCTCCCCCCTCCCCGCCCCTCGCCCCCACCTTTCCCCC	18521
GTATAACCTGGGAGCAGGGCTGCAGCATGAAGGTTCAGGAGGACAGATGGGCAAGACGGCCCCAAAGGGTT	18522
AGGTTATCTATGGCCTCTTAATCTTCCTGATCTGAAACGGCAACTTGGGGTAAGGGAAGAATGTTGAGGAAGT	18523
TAGGTAAGGTACTTGAGGGGAGCATTAGTATCTGCTGAGCTTGAGCAACTCCTTGCCTCTGTCCCTAATACTGC	18524
AGGCATGAGCCAACACACCTGGTGGCATTGCTTCCATACTATGCAATGCTGTGCAGACATTAAAAAGGCATGTG	18525
TGTTAAAGCCATCCTCTGTTAGAGCACCCTGGGCCAATGCCACAGTGTTGTTTGTCTACAGCAAGCTTTGCAT	18526
GATTCAGTATTGGAGCAGCAATTCCTGATGTGCTGAAGTCAACAGCTATCTCATCTAACAATTCTGTTTC	18527
TCACCTCCTTATCCTCAGAGCAGGAACAGTGGCAGACAGGCTCACCTTGCCTACCTGCTGAATGGGTGGGCAG	18528
AGCTATCCAGTCGGGTTCTTTGGTTTCCAGCAACAGAAACTGGATCTGGCTCACTGAGGCCGATGGGGTTTA	18529
CATCTCCCCCGGCATCTCCACCGCCCTGCCTGGCCCATTCAGAGCAGCCACCACGGAGATTTTTAAGGATG	18530
GTCCAGGGATGCTGCTGAACGTCCTACAGTGCCTAGCACAGCCTTATCACACAGTATTACCTGGCCCCAAT	18531
TCTTGAACTCCTGGCTTCAAGTAATCCTCCCGCTTCAGTCTCCCAAAGTGCTGGGCTTACAGGTGAGAGCCAC	18532
AAAAATCCAGCCCCTGCTGCTGAGGCCTGTTTGGCCGGGAGGTGGCATCGCTGGAGAATCTCATGCCAAGA	18533
TTCATTAGCAGGTAGAGAAATAGGGGCAAGTAGCAGACCTGGGTAGTTATTTGTGGTGTGAACAGACCAAAC	18534
CCAAGGATGGAGGCTGTCTGCCGTCAGGGTCCTCATTGCTGATGGTAGGAATAGTTGCTGATGTTTCATTGGA	18535
GCACATGCCACTACGCCTAATATTTTTTTTTTTTTTGAGACGGAGTCTCTGTAGCCCGGGCTGGTGTGCAGTGG	18536
TTTTTTTTTTTTTTCTTCAGACGGGAGTCTCGCTCTCTTACCCAGGCTGGAGTGCAGTGGCGTGATCTCGGCT	18537
CCCTCTGAGTGGAGCAGTTTATGCCCAGGGGGTTGCGAAGAACAGCGAGGGCATTCATCTGCTCACAGGCTGG	18538
AGAGGTCCAGCTATTTAGACAGTGCAACACAAAAGTTCAAGGCCGACAGGAAGAAGGCGTGTGTTGTGGAATC	18539
GACGCCAGGGGTATCTGGGGCTTTTTCGTTTGCTGGTGACCAAACCTGTCCCTGGCTTCCATCTTCAGTTCT	18540

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Table 1. Novel miRNA sequences

GGTGGCTCACAATCTGTCTGATTGCAGAAAGCAACCAATCAGAGGCTGAAGTGAAGTTACAAAGGCCACACT	18541
TGTCTCACCCAGGGGTCCCTTCCTCTGCGCTGTTTGGCTGGGTGCTCAATGATGTCTATGGAAGATGGGTTT	18542
TGAGCCCACCTCCCTTCATCCCCCACCCCACCAAGGAGCTCGCTGAGTGGGGTAGGGAAATAGACAAGCCAGCT	18543
GAAGATGGGTCTGTGTCTGACTCTGAAGCCCCTGCATGTGACTTCAAGTCTCATCTTGAGACAGAGCCATGTCA	18544
TTTGTAAAAAATTAGCTAAAAAAGACTGGGGGACAGTTTGTGTTCTGTCCTTAGTTACCATATGCAGATCTTT	18545
GCTCTGGCATTGGTGGTTCAGCTTGAGCATCCTATTGCACCCTGAGTTTGGCAACATGTGTTGGAGTTATT	18546
CAAGAATGTTACAATGATTATTAGTGAGGCTGGTGATGAGATTACCGAACCATCTGGAGTTGGCTTTTCTTGTG	18547
AATTATGTAGCCAGTCTTGATAGAACCAGCACTTGTTGGTGTCCCAGAGGTTGTGAGGTAATAGTTTATATAT	18548
CCAGGACTGACCCGCAGGGTGAAGCAGAACATCCTTGTTCTCTTTCTTTTAATGCTCTTGTTCAATCAGG	18549
CATTTCAGGTGCAGGTAGCAGGTAGCAGGTAGCACACAGCAGTAGCACAGCAGCAGGTAGTGGAGCTGAGA	18550
TGAGATTCTGCTTGATCTTTGGTGTATCCTGGGAGAAAGAGTTCAATTTTTCCTCCAGCATCTGACTCATGT	18551
AGCCTATTCTTCTCGTAGAGACGGTCACTGATTCCCTCTCTTCTGATTAGCCTGGGCAATGATTGGGATAAT	18552
AGAGCCATTTTAGCTGCGACTCCCAATTCTATTTTGTTTCCTTGGGGACATGCTGTTTTTATTTGTGGGCTTCA	18553
TTAATCGTCTCCTCGTGTTTCTATGACCTCAGATCCTGGCAGGGCATGAAGCCATACTTACAGGAAACAAAAGG	18554
AGTGGTCACACGTTTTTTGTTTTTTGTTAGACAAAACAAAACAAAAACCCAAAAAACGTGTGACCACTGAAGGTC	18555
TTGTTCTAAAGAATCAGGCGGTTCTCTATCAGGGATTGCAAACTCAAATACCCACAGGGAAAGGGCCGGTA	18556
GACTGGGGTTTCAGTCCGAGCCTGCTTGCTGCATTTCCCTGAGCAAGATACTTAACTTCTCTAAGCCTAATT	18557
AATTGTTTCTAATTAGCTAGGGGAAGCCGCCCATGAGTAGGGGACCACTTGTTTTGTGTTTACGAGAACAGT	18558
TTCTCAAAGCCCATAGTGGCAAATCTGGTATGGGGTTGTTTCCATTGGGTTCCTGTCTGCTATTATGTTTTG	18559
TTGGGTCATGTGATTATTTTTTGGGGTATTTTTGGATTTTTTGGATGTGCGAATCCCAAAAGCATAGTGCAGGT	18560
TTGTTAGAATCATAGTGTCCTTGGATTAGGGGCATCCAGGAGCTATACAACGGCTGGGTTCTGGCATCCT	18561
TTTTGTGAGGTAGTAGTTTGTGTCTTTCAAGAAATTGGTTCAGGCCAGGCACAGTGGCTCACGCCTGTAATT	18562
GTCACATTCACAGATTCTGGGGGTTAGGATGAGGATAGCCAATATTTGGAGGACATTGTGTTCAGTGGACATAT	18563
ATGTGAAGCCATCTAGGAAGTTGGGGAAATGCCAGTCAAAATGAGATTTTAATATCGTTTTCCCAGCTAGAT	18564
TGGGTGCTCAGGGGAGAAAGCTCAGGGGAGAAAGCATGTCTCTCTACCCCGGCATCTCCAGGCAAACGGCGTCA	18565
GAAGGGTGCTCCTGGCAGCAGGAACAGTGTGCACAAAGGGGCTGGGGAGAGTGGGGCTGAAGGGAGCACAGAC	18566
TGTGCAGGAAGGATGCCTGTGGCCCTCGGAGAGCACAGTGTCAGGCAACGGAATCCCAGAGGTGAGACCTCCCT	18567
GTGTGCACCCGCTCACTGTTCCTCTCCTTGGTGAGCCTCCCGGGGCTTGCGGGTGAGGCAGGATCTGCCCAGTC	18568
ACCTCCAAATAGCAGGGTCCATATATTGGATGCTTTGAGTGGTCCCCTTACACATCCTCTTTCTTGACCTAA	18569
TTACCTCTGAGTAATCCCTGATGAATCCTAGCCCCACCCTATTTGGGGGAATAAAGATTAGTTATTGGAGTTC	18570
CGTCACCCGCCGCGCCGGGCTCCGTCCTTCCAGCACTGGGGCGGAGGCCGCGGGCAGGAAGGTGGCGGCCTC	18571

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Table 1. Novel miRNA sequences

AAGGGCCCCCACGGTTGAGGTAGTAGTTTGCAAGTCTGCAAGCCCATCTGAGGACTGCCCTGAGCTCGAT	18572
ATGAGGCTCACAGATTCGACACCATTAACATCACTGTCCCCCTGAGAGTTTCGTACAGACCTGGTCCAAAAA	18573
CATGTCTGAGGAAAGCCAAATGGCCCAGGTGCCACAAACAGTGGCGTTTTGAAAATATGGAACCCC	18574
AGAGGGGTGGGGGGGCGTGCTGCGCAGAGGAGGACCTCACAAAGCGGCCTCAGAGTTTCGCAGGTCCTGCTGTTC	18575
TGGCCTATCAACTTAGCAAATCGAAATATAGCTCTTATTCAAAGTTGGTGAATATGAAGTGAGGTAGGTAC	18576
GGCGCGCCCCCCGCCACGGCCACGCATCCCGCCGGAGGGCCGCGGAGCCGGGGCCGCGGGGGAGGCGCCG	18577
AAAGAGGATATTTTCAACTCTGATGTGAGATTCAGCATCAGAATAAATTATGCCAGAGAGAATTAGTTTCTAT	18578
CTGAATGGAGGACTGCCAGTCCCTGCAGCTGACAGCCTAGGCTTTGACATATTTTTTGTCTTATCATTTGAAT	18579
TAAGTGTGTCACGGTCTGCTCTTCACTCTGCACCTCTCCAAGGTGAACAGAAGAGGTGTCAGCTCCAGTTTGTG	18580
CCTTCACAGTCACTCCTAAAGGCCACCCACTCCTTAAACATCTGGGAGAAACCAAAGGTGCCTCTGTGAAGCC	18581
ATCGGGACAGCTAAGGACTGCAGGTGACCTTGAAGCCATGAGGATAAGTCCCCGCTTTTTGGAAGAGGCAGCC	18582
ATATTTACTGAACTCTTGCCACGTGGCTTGCCTTGTTCTCACCACTGGCGGTCAAGTGGGGACAAGACCGGTG	18583
AATCATGCAGGCTGCATGGACTCCAATTCCAGCTCTGGCACCATCCATGCAGGTGACCTTGGACAAGACACTC	18584
CACAGAGGCCTATGGTTTATCAGAGGCAAACACAGGCAAAGCATTGCCTCCAACTGGACATTTTGGAGCTC	18585
CAGGAGGTGAGTGGCAGGCAAGTGAGGATTACTTCCTGAGCTCCGTCTCTTATCAGATCAGCAGCAGCATT	18586
ATCTGCATGCCTTAGGGAAAAGCCCATATACTCCTGGAGGTATAAACCCTACCCTCTGGGAGGTGCTTTACCC	18587
AGGCATAGCTTACTGCTTCAGCAGCATTATGTAGCACGCCAGGGACAGCTGGGCTCAGAAAAATGCCAACAAG	18588
TGGCCCTTCCTCAGATGCATTAAAGAGGAGTGGCTTGGCTCACAAGTCACTTGTCTTCAGGGAACACCTGAGG	18589
AGTAGGCTGTGGGTTTCAGATCCTGGCCATCACGCTCTTGAAAACTTTGAAGGCTTCTGTCCATCTCTCTTCTTC	18590
GTCCTCTGGGGATCAGGCCAGTGGTTCAAGGTGAGCAAACCAGGGAACCGTCTGCTGGAAACCTGACTGTGCCA	18591
GTGGCCTCCCTTTTTGAAAGAACTTCACTCAGTCTCCTCTGGGCCCTCTTCTGGACGGAGCCTTGACCTTGGC	18592
TGCACTTGCCCATAGCCAGGAAGGGGATGGGACGTGGGAAACTCGCGCCATCCAGAGCTGCAAAGGGACTGCAT	18593
CGTGCCAAGAGCTTCGGCAGAGGTGGGATCCCTCTCCTGTTTCCCGTGCTCCTGCTGCATGTGCCCCTTC	18594
AGGCCGAGGCTCAGGAGGTTGGGGCATGGTTTTGGGGAACACGGGTCCTGCCGGCTCTTGTTGCCTCCCTGGCC	18595
ACTTTCCCCACCTGGGCTAAGGGGGCTCATTCTGTGGCCCACTCACGACACGGTAACTTTGGAATCCCAA	18596
AGCCAAGGGTGGAGCAGAGCCTCATGGGTCTGGTAGGCTCCGCGCGCCCCCCCCACCCCGTGTGCT	18597
GTCTCTGACGATGATGTTGATTCTGAGCAGCTGCCTCCATGTCAGGAGCTGTCCAAGGCTCAGCACCCGGGGC	18598
CCAGGACAGAGCCAGACAGGCACAAGTGAGCCAGCCACACTAGGGGAAAAGAATCCATCCTGGACGAGG	18599
CCGCTGCCGGGCCCCGAGGGGCTGTGCGCGAAAGGGAAGGCGGTGGCCCCGGGCGGGTGCGCGGCTGGGGGG	18600
CGTCCCGGGCTGGGGGACTGGGAAGCGCTGCCCGAAGCGGCGGCACCTGCCCGGCATAAGCTCGGGCGCTGGC	18601

Table 1. Novel miRNA sequences

TGGGAAACATACTTCTTTATATGCCCATATGGACCTGCTAAGCTATGGAATGTAAAGAAGTATGTATCTCA	18602
CCTTGGAGGCTATTTCCAGGGGCCTCAGGGTGGGCCGTGGGGGATTTGGAGTCTTCTGCCTGTGCAGGGTCA	18603
AGAACAGTTGATGTTTGGATCCCTTTCGGAGATGCTCTCAAAGTGCAGTCTTTTGAAAATTATATCCAGACC	18604
GGATGGGGAAGACACAGCAGGGGCTGGGTCAGCAAACGGGCATGACACAGCACAGGGAACTGCAAAGAAG	18605
GGGAATATTCTTCTGTTCTGCAAGAAGGGGCTTGTAACCTCTTTTTATAGGACTGGAAAACCTTGACACCC	18606
CTTCCAGCTCAACCCAACAACCTCCTATGCCCCATTAGCACCAAGACTGATCGCCTGGGAAGGAAGGGGGCTGG	18607
GAGGCCTGTCACCCCACAGCCTCCCAGACTGAGGCCAGTGCAATCAGGGGGCAATGCCCATAGATGTTGCAG	18608
AAACTTCCCTGAGAACCTTGTCCATGAGCTTCCACTGGAGACTTTGAGCTGCTCTTCAGATTTCTTTCAGAA	18609
AAACTTCCCACACTGAAGAATAGAAATGCCTGTTCCAGCAGCAATTCTAGTTTAGAGCAGGAAGACCGAGA	18610
TATTATGTCTGTCTCCTTAGGCTCCTGATGCCTGTGACAGTTTCCTAGTTTTTGTTTTTACTTGATGATCTGA	18611
TGTGGAATAAATACATAACATAATTTAGTGTAGGTTCTCAACCACAGTGTTGTGACACCCTACTGTGCTGTTAT	18612
AGAGTTCCGTAGATGTCTATTAGGTCCGCGTTGTGCAGAGCTGATTTCAATTCCTGGACATCCTTGTTAACTTT	18613
GTGGTCACATTTTAGATACGTTTTGAAGGTGAAGTTGTCAAGATTTGCCGAGATTTGCATGTGAGATGAGAAAC	18614
TCTATATCATATAGTCTCCCTGTCATCCTCCTTTCTGAAGTAAAGATGAGGTAGTAGGTTGCTACCTTATAAGA	18615
TGATTTTAAATACTCTTTTTTAAAAACTCTTGCTTGTTCTCAAGCTCTAGTTAGTTGAAATCAGTGTATAGG	18616
ACCTAGGCATCCTGTGCTTCTGGGGCCCAGGAAGCCCCCCTGCCCCTGCAGGCTTGGAAGTGCCTGCTCCCAC	18617
GGATGGAGGAAGATCTACCAGGCAAATGGAAAACAAAAAATGCAGGGGTTGCATATCCTAGTCTGATAAAA	18618
TTAAATAGCATGTTTTCCAAACTGGGATGTACTGACAGCAAGAGAAAGCATTGCTATTTATTACACCAGACA	18619
TTCACATACAGCGTTTGTGATGCCACGTGAACGCAGAATTCTTGTGGACCCACAGTGCTTGAAAGTTCAG	18620
CTCCATGAGATGAAGCACTGTGTTGATATCAGTGACAGCTGGCTCCTAAGCACGTTGCACAATGCCCAGCACA	18621
AGCCCTTGATTTCTAATATTCCTACAAAATTGGACAGTCCAGTTTTTCCAGGAAGAGGTCTTGCTGTCCTCTG	18622
CTGCTTCTCAGGCCTTTGGACTCCGGGATTAGGTGCTAAACCCCAGGTTTCCAGGTTCTTCAGCTTGAGACAG	18623
ACCTGGTCCAGCCCCTTCAGGAATCATACACACTGTCCAGTGGGCAATCGAGGGGCCTGGAGACTGGAAAACCA	18624
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TAAGGGTCATTCTTGGAAGCAGATGCTTTATTCCACCCCCGGCATCTCTGTTTTCATCTTACCAACAATA	18626
CTGTCAGAGGTAGTACTGGTATAAGTCAACAAGGCTTAGAGACCAGCATAGCAAATAAAAATCACATATTCTCT	18627
AATTTATGGCTAACAGGTTAAATAATCTAATAAACAGCCTTATTGGCCACTTGACCAGTATAGCACACAA	18628
TTCCCATGGGCACTACAATAAAGACTCTTGTTTTTGTCTTGCTGCTGTTGTTGTTGTCATTGGTAGCCTTCT	18629
TTGGACACAACTCCAAATAAAACATGGTCAAATGAGTATTCATAGCCAAAGAGCAGGGTGGGTGTCACAGGAT	18630

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Table 1. Novel miRNA sequences

GCCTTTTGAGTTGACCCTTCACACCATGTACCCAGGATGTGGGATATGAAATCAAAGGAGATTATTTTGGAGT	18631
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TGTGAGGATGAGGCACTGACCTATGGGCCAGGGGCTCTCTGGGGACCCTTCTTTGCTATCTACCTAAGGCA	18634
TTTCCCTAGGATATCAGACACTAAAACTCTTTCTCTTTTCCCTGGGCTGTGTTTAAGTTCAAGGGAGACTTAT	18635
TAGGATGACAAACTGTTCCAGTTTTCCCAGGAAAGAGAGGTTCCTGGAATGTGGGACTTCAGTGCTAAGCCTG	18636
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CCAAGATCTGAACCTCACTGTCTGGTTCTTAGTTTGGACAACTGGAGTGTATGGTGAGTTTCAGTTCCTCT	18648
CCTCAGTGACTCAATGCCCGTGGACAACACACCATCTAAAAGTGTTGGGTCCTTATTTGTCCCCTGAACA	18649
CGACCAAGATTTAACTGCAAGCGCTTACAGTGAGGTCTCATTTTCTCAAGACTTTATCGCAGTTAAAAGACAT	18650
TAGTCTGTGCATGTCCTACGGTGGCAGCAATTCCACTCCTGGGTGTAGAAACTAAAGACATGGTCACACAGAT	18651
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TGGCAGGGCTGAAGGGTATACATGGGCTCAGTAAGGTGGATCCAATCCAGCCACTGCTGAGTGCTCAATCTGCC	18655
GCATTAAACATGTTCCCCTGGGGATCCAGATGCTCTGTCAGTTTGAGAAGCACCCCAGGGGAAAGTGATCCT	18656
GGACCGCGCCCCACCCCGCGCGCCCGAGCAGGGCGACTGTCATTAGCTTCCTGGACGGGACCCGGGGCGGGA	18657
GGCAGTAGGATGCTATAGGAGCCCAGAGTGAAAGCAACTACTATACATTTTTTAGTATTTGAAGATGCTG	18658
CTCCAGGGGAGACACTTTCTTGGGCTCTGTCTTTGAAAGGCTGTGGGGAGGTTGAAGGTGCAACTCAGGTCC	18659
AATGAAATTATCCTGGTTGGGATGTATGAGCATTTTAGAAACTGAAGGTATGGTCATTATTGCCACATAAAGGA	18660
AAGAGTCAGAAGCTGAGAAGATGCCCTGGCAAGAAGCAGTCTCAAGTATAGATCTGAGTTATGGCTCTGGG	18661

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Table 1. Novel miRNA sequences

GCTCACTTGGCGTCGGAGGTGAGGCGCGGCAGGCTGCCGGCGCCCATAGCCGACACGTGGTGGTGCGGCG	18662
GAGAGGCACAAGAACCTTTTGGGGGAACAGAAGTGTTTGCTCTCTTGGGAATGATGATTTCACAGGCATATG	18663
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CCCCTGTCCACACAAAACCCAGGAAACACCTTGCAGAGTTGATGCAATATTTGCTATCCCAGCCCTTGGTGACAG	18665
GCTTGCCAGATGGGGGTTATGTTAAAAAGAGCAAACAGAAGTCAGAGCTCTGAACACACCGCAGGGTATTCC	18666
GACTTCAGGTGGAAAAATACTTTATGCTGAGAATCACAAAACATTACAGGCCAGTAAGGAAATGTTCCACA	18667
CTCATTACCAGCAGGGACAGCGTCAGGCCCATTTACAGGAACTAATGACAGCAGGGGCTGTTCTCAACACT	18668
GCGGCTCTTCCCCACCGCGCGGGGTCGGGGCGGAAGCCTGGAAGCCGGGCCTCGGCGCTTGGGGCGGGGCTG	18669
GCTCTGGCAGAGGACACTCTGAGTGCCATCAACCCAGGACTCAGGGGGGGCTGGGCCTATCCACGAGCATC	18670
TCCTGCCCTCTGTGGGACCTAGATGCTGGCTAGCTGAGCACCGTCAATGTGTCCTCGCAGAAGACGAAGC	18671
TGCCTGCCAGAGTTTGGACAGACATTTGTTTGTCTGATTTAAGGTTCAGTAGAAGTCAAATCCCTCATTCGT	18672
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GACAATGAGCCCCCTCTGCAAGGTGCAAACGCCCTGCAGCTGGTTACTGCATGGGCTCATGCAAAGTCAAGATGA	18675
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CTGAGATGACCAGGCTGATGTGGGGCTGACTGCTTCTCACCTGCCTGGCATGGGGTTCGGCTGTGTCTTTGCT	18679
TGCCTCGGAGGAGTGATGCGGACCAGGGGAATGGCAAAGGCAAGGACCCCAAGGCGGGGACAGGCAGAGG	18680
TTCCGGGATCCAAAGGCAAGACTGCGATTTAAGAGACACTTTGTTTTTGTAGGTGTTCAAGGATTTGGAATC	18681
TCCTTAGAGGCCCCATCTCCAAGTACCACCACGCTAAGGGTTAGGGCTTCAGCATAAGAATTTTGGAGAAAC	18682
AGGGTAGGCGTCAGTCTGCATGGATTGGATGGAGGAAGGCTGTGCGTGGCAGGAGATGACACTGCCCTTG	18683
GTTGTGTAATGATTTCATTACATATTACAGTGTAATAATAATAGAAATAAAGTGCACAATACGCATCATGCC	18684
GGAGCTGAGGAAGGAACCAGCTCATGCCAAGAGGTAGAGATTGGACTTTTGACCAGACTTGGGCCCGATATG	18685
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CTAGAAGCAGCTGTTAGCAGTGACGGGAGAAGCATCTTAGTTCCTACACTTCTCAGGTGCTTAAAGGGCCG	18687
TGAGTAAGCTTGGGGTTGGGGGAAAGAAGGGCTGAATAGGTCCCATAGCCTGCATCCAGTGCAGACCCCAAACT	18688
CTCTCCCTCATTCCCCAAAGTGCTGCTGACATAAGTCTGCTGTGGTTACCTGTTTTATACAGGGAGATGTAGG	18689
CTACGTGCAGAGGAGACAGGATGGATAAGAGCCAATCCTTGCCCTTGAGAAGCTCAAAGTCAGGTGGGAATG	18690
CAATTTCCAGAGAGTTGTATTTGTGGTATATCAACTTTCGGAACTATAACCCACACAAACGAACCCACAGAC	18691
TTTTGGTTCACTCATGTTGGGTTTGGAGCCAGGAATGCATTTAGAAACGATGTCAGAGAGATTCCATCTTATG	18692

Table 1. Novel miRNA sequences

ACACCCCTCAGTGCGCCCCGGGCGGGGGCTGCCGTCCTCCGCGACTCAAGAGCGAGCGCCCCCGCTCCCCGG	18693
AGCGCTGTGGGAAAGAGAGCAAGTGATAAATGATGCGTTCAAGTATCACGTTATTCATGCAAAGCTGAAAGCA	18694
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TCTACAATAAATATACAGAAGTTTGCTGGGCGTGGTGGCACATGTCTGTGGTCCCAGCTACTCAGGAGGCTGA	18696
CATCATAGCTTTACAGGTGTCAACCAGCCATGTGACCTGCATGACCTCCATGTCTACCTGTGAAGTCTGGGC	18697
GTGAGCCTCTGGGGCAAAGCTCCTGCAGCCGTGGAGTCGCAGGCTGCTAGCAATGCTCAGGCGGCATCCTCAT	18698
TTTCAGATGAGCTCTGGCACCTCTTTCCCACATGCTTTGGCCATGATCTCAACCAGGTGCAAGACCCCAG	18699
ATCATCTCCATCCTGTTTGTTCCAACAGAGGCTGTAGTCAGGGGCAGTTTATGGGGTAAGAAGGATGTGCTGG	18700
CGCCGCCGCCGCCGCCCCCGGGGCATGGCCTGTCTGATGGCCGCTTTCTCGGTCGGCACCGCCATGGTGAGTG	18701
AGTCTAGGGCTAGCCCAGGTTAGTTTGGAGCTAGCACAGGTTGATTAGTCTGGGGCTAGTAGCCTAGGT	18702
TTTTGGAGAAAGCGGGGGTGGTTGTGTGTTTGGTCCCCAGCCCCACATCACCCCATAGGTGCCTTTTCTA	18703
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GGGCCGGAGAGCCGGCCGAGTGGCATGCTCCCGAGAGCACAGCTGGCTGTGCAGTCAGGGCCTTGGTGGA	18706
GGCCTCAGACCTGTTCAGGCAGGACCCAGCAGAAACCCCTCCCCCGTCTCCGCCCACAGGCCTCTTTGCCCT	18707
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ATGTATCCGAGTCACGGCACCAAAGTACGTCAGCACCAAAGTACGTCAGCAGCGGTGGATCCATCCGGGCCTGA	18710
ACGTGTGTGTAGGTATACATGTGTATGTATACATGAGCAGGCCTGTGTATCTGCATGTGTATCCACATGTGT	18711
GTGTGGGGCCCTACTCGTTCCTGGTGGTGGCCAACACCTTCAACGGCACCTCCACCAAGGTGCACTCGCACC	18712
ATAGGTCTAAAATATTCCTCTTTGGATTAAATTCGAGGTATTTCATAGGGATGTTTTACTAGTGTGAATG	18713
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AAGCTACTAGAAGAAAACATAAATGAAATGCTCCAGGACATTGGTCTAGGCAAACAGTTTATGGCTAAGACTA	18715
ATTGGAGTCACCTGCCAGGGATTTCCACCAGCGGGTTTATTTGGTGGTTAAGTGTCTGTGCAGTTGGATTTT	18716
ACCCAGGGCTCCCAGAACCCAGTTGCCTTGGCTGCCTTCCTCCTGCCTGGACGGCTTGGGATAGGGTGCCCTG	18717
TGTGAGTTCAGGCGCTGTGTTTTGGAGAGAGGCAATGTTAGAGTTCTGATGGCATCCAGCCAGATGCCTCC	18718
CTCTGTCCCCAAAGTCCTGATGCCACACCCCAAAGGTGCTGACGTGAGAGGGGGTGGTATGTCCTGGGTCTGGGGAC	18719
CGCTGACCCGGAGGCCCCAGGAGTGGCCCAGACAGAGAGGACGCGAGCCGAGCCCTGTGTAGCCTCCTTGCCC	18720
TGGCTCAGGTAGGGACTGTTACGGAGGCAGGGGCATGTCATGGGTGACCTAACCCCACACTCCCTGCCCTGC	18721
GGGGCTAAACCTCTCTTGGAGTTCACCCTGTCTTCCCCATGGGCACCTAGCGGGGGTTCCTGGAGGCGGAGTCT	18722
CAGGGCCAGTGGGTAAACAGTTACCAGCATGGTAGGCCTCACCACACCCCACCGCTGCCACCCGCGAGCC	18723

Table 1. Novel miRNA sequences

AGAACCCTCAGCAAATACCTTAGACTCTCAGCTGGTCCCTTGGAAAGTTAGGCTCTAGGATTAGGGGGAAAACT	18724
GGAAGTGAGATGAAATGTCAGCTGTACTCTCCTGGTTAGGTATGATTTTCAGGGTCAGGTATGCCTGATAA	18725
CATCAGCCATTGCCCTATTTTTTTTTGGCAAGTTCTTGTCAGTTTTGAAAATATTGGTAATAGTTTGGTGAAT	18726
GCACGCGTGGGCACCGCGTGGCACCGCAGGGCCCGGGTTGGGGCGGCCCCCTCCACGCGCCCCGCGCAGACGC	18727
AGTGGAAAACGACCAGTGCCTTGTGGCTGTTGGGCCCAGTTTTGCGTCAGTTTGTCAACGCATTTCCAGTTTCC	18728
TGTGCAGGGTGGCCCTCGTCAGTGATGAGCCTGAGACTGTCTCCATCCCTGCAGCAGCCTCCAAGCCAGCCATG	18729
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TGATGGCTGGAGAGGGCTGTGGTGCCAGAAGCCTCCAGGTTAGCCCTGGCTCCCCATTTCCCCCCATGCCCA	18731
ATTTGCCCACGAAAGCTGCCTGGACCGGGGCACAGCAAGTCAGAGTGAGTCAGGCAACCAGCAAAACAGGGT	18732
TCGGGTGGGACTCTGGGAGGCTGTCACTGCTGGAAGGCAGTCACTGTAGGCACGTCGGCCCACCCTGCCCATCT	18733
CCTTGCAGCATGGCTGAGTGAGTGCTCCCTCAGTATCTAATGATGGTCTTGACAAGCTACACTCCTGGGTG	18734
CAAAGGGCTCACAAATCTGATGGATAATGTTGTAGAATTTGGAGGGGGAAACCTCAGATGCAGCAGTCTTATCT	18735
TGCCAGCCCCTGGGCCTCGAAGCTCCCTTCCTGATGGAGTGCTGCCATTTGGAAGGGGTAACTTTCGTGGTC	18736
CCCAGGAGAAGCTGGGGCGGGCTTAGCCGTTCTTTGTCTTCTGCAAGTAACAGCAACTCCGGGACAGGGT	18737
CTCCGCGAGGGGGCCGGTCATCCGCCGGGAGGCCCAATGGCAAGCCGTCATCTCCGCG	18738
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AAAGCACTGGACTTGGAGTCAGAATCCCTGGACTGGATGCAGCCCAGCTGCTGGCCTACATATCCATGACGTGT	18741
CAGTGCTGTCGGAGGTGGGGTGCACAGGCCGGACCACCACCCACCTGGCGTTGCCGTCATAGCCAGCAAAGA	18742
GCCTGTGGGCCTGTAGAGCCGGCTGGGTGGACGGATCCCCCGTGATGAGAAACTGAGGCCAAGTTGGGGGGCA	18743
GACACCTATGAGATGCTGGCCATCGAGGGTGCCCAGGCCTTCTACAACGGCAGCCTCATGGCCCAGATTGTG	18744
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CCTTGAATCGACTGGAAACATGACACCGGTTCCATGCTCTGGAACTGTCACCTGTGATGTGCTGGGCTGTGTC	18746
CGAGCTCCCATGTGGGACAAGTGCCATGCAGGCTTCGAGGATGGCGGAGCGGGGTGGCGGGAGCAGGGGG	18747
TTCAGTGGATTCTGCTCTCTTATCAGACTGAGTCACTGCACAGACTGCTCACAGGGTTTCTCCACTGCATTCT	18748
TCAATAAACCTTTACCAAATGCAGACCTGCCTCTCACCACACTGGACACATTGTAGTGAGCTCAGGATGGGGCT	18749
GGTGGCGCTGGTCCTGCTCTCATCACACCCAGTCTTCTCAGTAATGGTACGCAGGCATCCCCTGGTGTCCATT	18750
AATTATGCTGACTGGTACCCGCAAAAGCCAGGCCCCTGTGCTGGTGATATATAAAGATGGTGAGCGG	18751
GGCCAAGACCCAGGGGAGGGCTCTGGTGGCCGGGCAGAAGGCGGTGCAGGGGCCTGACTCTGGTTTTGCATCC	18752
CCTGGCCCTTTCTAGACGTGGACAGAGGGCAGATGCTGACCTGCTCATTGATAGCCAGCCTGGGGGGTGGGACAG	18753
CACAGGCAGTCCTTTTGGCTCAGTTCAGCATTTGTTGAATACTGACTCTGCCAAAATGGGGCCAGGCACATTT	18754

Table 1. Novel miRNA sequences

CTGCCTTGGCCTCCCAAAGTGCTAGGATTGCAGGCGTGAGCCATCGCACCCAGCTGACAACTGTGAAGATCT	18755
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CAGGTACCAGCTGCCCCGGCCCGGCTGGTCCCCACGCCGCCGTCCCCAAGCGGCCGTCAGCGACCTCCTG	18759
TAAACACCAACTTGGTGGCAGGCCTTCCAATGAGCACTCTAGAGTGCTAATTTGCTACAGTTGTTAATTCTT	18760
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CTAAAGCCCAAGCTCCTGTCTCGCAGGCCAGTAGTTCTCGAGCTTTCATATCCTTGGGCAATTCCCAAAGA	18762
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ACCCGCCAGCCGCCAGGGCAGACGAAGGCAGGCATTTGCTTATGTCACACGGTGGCTTTGAGGGAGATTGGG	18779
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GGCTATAATCTCTGTCTGCTTCAGGACTTAATGTGAAGCGGCTGTGCAAACTGTGGAGTGCTGTGCCATGA	18781
GGCCCAAAGATCTCTGCTACAGGTGGCGAAAGTAGGCCACCTGGGGTTCTGAGTCCTCCTGTGGAAGCTCCC	18782
CAGCTAATAAATGTTTGAGCTGGGATTAGACCACAGGTCTAGTCTCCAAAGCCTGTCTTTTTTTTTTTTTCTGA	18783
TAGGTGGGGTCAGCCTGGAGCAGTCCTTTCTTTACAACTATGATCCTAGGACTTTGGCTGCATAATGTCTGTC	18784
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Table 1. Novel miRNA sequences

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GAGCCCAGGAAGTTGAGGCTACAGTGAGCTATGATCACACCGCTGCACTCTAGTCTGGCATGATCTCAAA	18788
GCAGTTACGTCCCTTTCCCAAAGCAGTAGCCACAGAGCAGCCCACTGGCTCAAATGGAGAAGGGTCTCAAGA	18789
CAGAGTTCCTGAGAAAGGCAAGATGCTGGCAGATAGATTTGTCTGGAATCCCAGGGTGACTGATAAGATACT	18790
TTCTTTCTAACTTCCTCTCCCTTCTTTGAGTTTGGTCCTTGAGACCCTACAGCTGAGGCTGATTGGTTGTAC	18791
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TCCCCATCTTTGTGGTTTTGTCTACCTTTGGTCTTTGATGATGGTGACGTACAATTGGGGTTTTGGTGTGGA	18800
GAGTCTGCTGCTGCTGCTGATTGGTTAAATTAGGTCATCTGCTTACCTCCAAAATTAGGTTGGGGTAGACAC	18801
CTGTGTTCAAGTAATCCAGCTGCCTCAGACTTCTCAAAGCGCTAAGATTACAGGAGTGAGCCACTGCGTC	18802
TTTGTCCCTCCACTGCTGGGGATCCGAGGGCTTAGGCAGAGGGGACCTGGCCCTTAGAAAGCAGATGATTAC	18803
TAGGGATGGGCTCTGAGAGTAGATGCCAACAAGAAAACAAGCTAACTGCAATGTCTGCCATTCCCTGTGATT	18804
AGCCACTTATAAAACCGTCAGATCACTGGGCGTGGTGGCTCATGCCTGTAATCTGAGTTTGCTGCCCTTGAT	18805
TATGAGTGGAGGCTCTTCACTGCCTTCAGAGGGAACCATACTTCCTAACTTCCTAGCCTGGCATTCAAGGTCTC	18806
TATGGCGGTGTTGCCCAGGGCTGAGCCTTGAGGTAAAGTAGGGATCCCACTCCTCCCCCACACAGCATGGGCAG	18807
TACCCTAGCAATGGCCTGCACCCCAGCAGCACTAACTGCTTCCTGTCTTGGGGTGTGTGTGTGTGTGTGTG	18808
GAAGACAGCTCCGTCTCTGGGCACCAAGTCTGCATCCTAGACATGGCAAAGGAGGAAGACCAAAGCCAGAG	18809
GGGGACGGGACATCTAGGCTGGGGTGTCCAGATCTTTCTGCTGACTACCCCACCGGTTCTGCTGTCTCACCCA	18810
AGAAATCCCCCGCAGACCCTGTGCCGGGTCAGTTTTCCCAGGTCCTAATGTTTCAGGGCATGGCTGTGGG	18811
CTACTCTCCGTCTCCTAGCAGCAAACTGGGCTGGGGAAAGTGGCTCTCACAGCAGAGTCCCCTGTTGGGAGGAG	18812
GCTCTGCCCAGGTCACAGGGCCAAGGAGTGGGGCACCCTGCTCTGACTGCCCCAAAGCCCTCATCCTCCGCAC	18813
TAGACGGTGGAGGGGAGGGGCAGACAAGGAGGGTCTGAAGCCACTGCGACCACTGCGCCATCCAGGTTTGTGTT	18814
AAGCATCACTGCACGTGCCAGCTCCCCAAACGGCTGGTAAGGGGGCCTGGATACTTAACTGTAACTTGCAA	18815
AGCCGCGGTGGCTCAGGCCGGTTGCCCTGGCACTCGGGGAGGTGAGGCTACACATTCGAGGCTAACCTGATC	18816

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Table 1. Novel miRNA sequences

CATCTCATCCTCCCAAAGTGCTGGGATTACAGGTGTGAGTCACCGCACTTTACCCCAGGTGGTAGGGTCTTA	18817
CGCGCGCGCGGAGCAGCCGTGCCCGCCGCCCGGGCCCCGCGCCAGGGGCGCACACGCTCCCGCCCCCCTACCCG	18818
GATCTCCAAATGCTGCTGAGGTACACAGGATTCGGAAGCTGTAAGACCTCAGTCTTTCTGGCAAGCCTGGGAC	18819
GGCAGACCAGATAGAGGCAGCAAACATGGGCCAAAACGCAAAACACCAAGTGGTCCATCAGCTCAGGCCAGCA	18820
CCAACCCCTATGAGGCACAGACTTGAACAAGAGTCCTCAGGATATCCGGTGACTAGCGTGTCCTCACTACT	18821
TTGGCCTGGTCCCAGCTACACCCACCTGCTGGTCCACAGCAACAGCATCCAGTCCATTGTACATGATGTT	18822
CTATCAGGCTCTAGGGCCCAAGTCTACTAAAATTCTGGTGCTTCTGTGGCTTTGGGATTGGATAATGATAGAA	18823
GTGAGTATGAAGCTGACACAGCAGCTCAGTAGCTGCCACAGCCCATCCATTGCCTACTCAGCATCATACACAT	18824
GAACCTTGTAGGGAGAAGAATATGGTGGCACATCTGGTTCCAGCTGTGCTGTCAGCCTTAATATCTTCCCCCT	18825
GCGCCCGCCCCCCGGGGCTCCGTTCGGGGCCGCCCGCGGCGGGAGAAGACGCCGCGGGGCGCGGGGTT	18826
CGCAGGACCCGCTCGCCCTCCTGCTTACCCGTCCCCACGGTGACTGAGCTGCGAGAGCCTGCGCTGGGCTCA	18827
TGATAAGCAGGAGTGAGTGGGTGATGTTTGCTGACACTCCACGTCTTTCAATGCCCTTCCTCTGCCTCCTGAGC	18828
CTCACAAGTCCTCAGCTAATAATGAGGGTCCTGCGCTTCTCTGCTGGTGGGGCTGGGGTGACAACCTGGGCA	18829
CGCGGATGCTGGGCGGGCATCGGGCCCCAGGGGCTGGCGCCCACACCCCCCGCCGCGCCCGCGCTGTC	18830
TTCTATGCACTGGGTCCCAGGAATCCCTCCTCATTTCCCATAGGGAAAGTTTTGCAGATGTGTGTGTGTACAA	18831
AGGGCTGCACAGTGGCTAAGGGACAGAGCAGGAACTCAAACGCACCAGTCCTCTTAACCAGCAGGCCAGC	18832
ATGTTAACCAACGGAATCCAGACTCCAAGAGCAGCGCCAGAGCTGCTGACCACAAAGGGTTACGAAGCAT	18833
TAGCTCCAACTTTCTGGTGGACAGGGATCTTTCTTTCTTCTCTCTGCCAACTGTCTGGTAACAGCACACTAA	18834
TAAATTCCCAAAAATTCTGTAATGGGGCCCTTGAGCCCCTATGCTCAGGCCAGCTCCCACACCGTAGAGT	18835
GGCCTCCCTGTCATGCCTGGAGTGTCACAGAATGGCCACTTAACAGGCTTGCTGCTGGGTGTTGGCACCTA	18836
ATATTTGTTCAGGGACACATGGGTGGTAAGTGACAGAGTCAGGGTTTGAACCCAGGTCAGTCTTGGTGTTTT	18837
TTCCCCCGGTGTAGTCACTGGGATGGAATGCACACAGGTCCCTGGTAGAGGCCCAGACCAGCAAGCTGGGAGGG	18838
GCATCACCATGGAGTCCCGCTGTACCAGTATAGCACAGCACGATGGAGGCCCACCATGCCACTGTAGCGCAGCG	18839
TGATTTCAACAGATCTGTCTTCAGGTTTGCTCATTCTTTCTTCTGCCAGCTTGAAACTACTGTTGAGACCC	18840
ATTATTTTACCACGCCTGACAGCGGAATGTCACTGATGTGGCTAACCGTCTTGAGGGGGCCATTCCCCAGC	18841
GCCATCCCCATGAGCTGAGTGCTGCTTGGTGTGTCACATGAGTACAGAAAGAACTAAGGCAGGGGTGGGGAGG	18842
GGCATTCTGGGGGGACCTAGAGCAGGATGTCAGCAAACCCAACCGCAGAGGGCCTGGTCCCTCATGGGGCCTG	18843
GGCACCTACTGGGTGACCATAGCTTCCATTATAGGGAAAGCACGTTTGGTTTCAATAATGAGTAGGTGATTT	18844
CCAAACCACCCATCGAGATTGGATATGCAGAAGCCTTATGGCTGTGGACAGAGTTCTAATCACCGTTTAAGTG	18845
CCTGAGAGAGAAAGGTGAGACGGGGCCGGCTCCAGCTGGATGACGTGAGGGCTGCTGGGTGCACCTCTCTGGG	18846
ATCTCCGTCTCCTCGTGGGGACACGGGCAGCTGCACGCTTCCTCCAGGCCCCCGCGGGCTCTAGAGTCCTGG	18847

Table 1. Novel miRNA sequences

AATCCGGATGGAGTCATTCTGGGTTCGGGTGGGCCCTCATCCCATATGACTGGTGTCTTTATGGAACAAGGA	18848
GATCAGAAGCTATTTCATTATCAGAACAATGGGCAGTAATGCTGCTGTCAGTTGTCTGGTATCCACCACAGGC	18849
GGACAGAGAGGCGGGGGTGGGGGCGGGTTCAGGAGGACACAGGGTCCCCTCTGCCCGGCTCCCAGCCTCATTGT	18850
GGGAAGGCAGTAGGTTGTATAGTTATCTTCCGAGGGGCAACATCACTGCCCTGAAACCACACACAACCTACTACC	18851
AGGCATGACTCCATCTGATTAGCACCAAGTGCTGCATGCTACATGTTAACCAGTGGTCACAGCTGAGGTGGTG	18852
CCGGGCTCCAGTTCCACAGGCAAGGGAGACAGAAAATCTGCCATCTCCAATCCCGGACGAGCCCCCCAGAAAATG	18853
TAAAACGATACTGCTCAGGGGATGACAACTTCCACACACACAGCCAGAGGGTTGAGGCGGAGGTGTGGCCCTCT	18854
ACCCCCTGCTCCCATGCTGCTGCAGGCCCCGACAGTCTCCTAGCCGCTTCTGGGTCCCAGGAATGCCAAGCCC	18855
CGCGGACGGCGTGGCCGTGGCCGGCGGCGCGTGCGCGTGGGTGCGAGCGGCGGGGGGCGCACGTGGCC	18856
ACGTCGCCCGTGGCGCCCCCATCCAGGCCCCGCCCCGCCCGATCGCCAGGACTGCGTTTCCACG	18857
CCTCCTTCCCGCATTCTCCACCAGCTGCTGGAGCCCGGCCCTGTCCTGGCCCCTCCACAGCAGGCG	18858
CATGGCCTGGTGAGTAGGGGGTTTGTGAGGGATGGTCCTGTTGTTGCTTCTCTCTTCCTGTGCTCCCTGATG	18859
ACCACTCAGGCGGTAGCCAGCCCTGCTCCCCTACAGAAAGGAGGCTGGAAGAACCACCCTGGAGCTGTAAC	18860
GAGCAGTTTTTACATGGCAAGAGAAAGACAATGATTTCTCACATCTATACATGTGGCAGCCTCAACAACATT	18861
GGTCAGTCTCTGTTTCCTGAAGGCTTTCACCTGATTGGATGAGGCCCACCCACGTTACAGAGAAGAACAATCTGCT	18862
CCCACACTGACGTCCAGAACGGAGCTAATATTTCCTTATTCTTTCAGGGTCTCTCAGTTTATGGGACCCCA	18863
ATGACACGTGAGCTGGTTTTAGATCCATTCTGTCTCTCTTGAGAAGTGAGCATGACTATCTCCATCTTTA	18864
GCTACATAGTGGAATTTAGCCATTTCAAAGTGGGAAAAACCTGACTCTGAAATGAAGCTATTTTGGCTTCCACT	18865
GCATCCCAAAGGCGAGGGGCTGATAGTCACTTCCACTGTTGTGCAGTGAGTACTCACGTCTGCTCCCGAATCCT	18866
CCTCTCTGCCACTGAGGGGCCACAGCTCAGCTGTGCTCTGCACCCTGCCCCTACCAGCCTCAAGGGCTTG	18867
GGAAGGGGGAACAATGTGGGAGTGGACTTGGCTGGGGCAAAGGCCCCATATTCTGCTCCCTACAAGATCCTCC	18868
GCTCAGTTCCAGGGTTCAGTCATCCACTGTGCTTTGCTGAGTGACTGAACTGGGGACCAGGAGACCCAGGCC	18869
CAGCGCCCAGACGGAGATGGGTTCCTAGAAAAACTTGGAAATAAAACCTCCCCCCTCCCCGGGGAAAAAGA	18870
GCGGCCATGGTGTGAACGTGGGTCTGCTCTGGGAACACGAATCATGGGGTGGGGTCCGCGGCAGGCCGGGACCAC	18871
TGAAGTGGTAACCCCACTGGGCGTTTTCCCTGCCGCCCTTTGCAGAGCAGGGCTGACCCACAGGCACGTGCCA	18872
TTGTCCAGCGGGAACAGGCAGAGGCCCGCACCGGGCCCCCCACTGCTCCGGCTGTCTCTGCTGAAGACAGC	18873
CGGGAGCCCTCCGCGCGGAGCCGCAGCCGCCGCAGGTCCCCGGGCCCCAGCGCGGCAGGCCCGGGCGGAGCGGCGC	18874
CACAGGCCCAGGGCAGTGAGGGGCCTTGCTGACAGTAGACCCCCGTCTTGCCCTGCAGAACATCGAGACCTGG	18875
ACCCGCCTCGGCTTCCCAAAGTGCTGGGATTACAGGTGTGAGCCACCGCGCCTGTCCCTTTATTTTTTTGAGAC	18876
AGAGACCCATGGCCACCCTCTGTCCTCTCACTTCACACATCACATCTCTCCTCGTGGGGGGCCTGGGTCTCA	18877
GGCTCCTGCTTCTGCTACTGGAGCCGGGGCCAGCCTGGGGGTGGGGCCCTGTGTGTCAGTGGCAGCAGAC	18878

Table 1. Novel miRNA sequences

GTTGCCTGGGCTTTGGGAAGGCGGCTGTGCACCCCCTACTCCTCTGGGAGGGTGGCTGTGTACCCCCTACT	18879
CCGTATGAAGAGGTCACTGGGGGATGGAGCTGGCACCCACATGAATAGCTGTATGCACTGTACTTGTTTCTTA	18880
GGCGCGAGCGGCCCCGGCCCGGGCCCCGGCGCGGGGATGGACGGCCCCGGGGCCAGCGCCGTGGTCGTGCGCGT	18881
GCAGAGCCCAGCTCTGGGGGTGGATGCAGGGGGTGCTGCAGGGGCCGGCTGTACCATCCCAGGCGGTCTT	18882
GAGGCCGTGATGCGGAGGCGACTAGGGGCCACCGGTGCCCCAAGGATGCGTGGACTGGGACTAGCGCAGGGAGG	18883
TCAACCCCTCGGGGCTGCAGCAATCCTCCTACCTCAGCTTGCCAAGTAGCTGCGACTCCTGACGTGTGACA	18884
GCTGCCCATGACAGGGGACTACAGACTGGGTGGGTTAAACCAGGGTCTCCCAACCCTTGCGCCACAGATTGC	18885
TTAAGCACGTTTAGGGACGGGAGCTTTTTTGCCTTTCGAGAGGGTGGTGGCGTTTTGGAGGTGAGGTGCTTTT	18886
TTGCCGTGCATGGATTCTGGAAGCAAGATGAGCTACTCGTCCCAGGCATGATATAGGGGAAAAGTCGGTAAG	18887
GTGCAGGATCCAGTCATCCCACCGCTCGGTGTGTACCCAAAGGAAAGGAAATCTGCCCATCAATGGCATA	18888
CCCAGGACTGTGGCCAGGGAAAAAGAAAGTGCTAATTGATAGAGAGTCAATGCCACGTGGGGAGGTCGGGGG	18889
AACAGAAGGCCTCCATCTCTGCTCTCAGGCAGGTGTCCTTCAGGGAGGAGCCTCAGGCAGCTGTTCTAACCC	18890
GTCGTCCAGGCTGGAATGCAGTGGTGTAATCAATGTCCACTGCAGTCTCAACCACCTGGGCTCAAACGATCC	18891
TGCATGTTCTCACTTATATGTAGGAACTAAATGATGAGAACACATGGTTGCATAGTGAGGAACAACACACAC	18892
TCTTGTTCCAGTTTTCCCAGATTAGGACATTGGGAGCTCTTCCAAGCTCCCAACGTGTCTTTCCTTCTCTA	18893
TGTGCATGTCTGTGTCTTCATTTCCTCTTCTTATGAGGTGTTTTAGTCCATTTCAGGCTGCTATAACAGAATAC	18894
CATACAGCCCTGGCGGTGCCACCACTGCTGCAGTCAGCATCTTTATAGCGGCCTCTCCAGATGGGCTGCCGCT	18895
ATACATGTCAGTTTGTCAAATATTAATATCACAGAACCCTGGAAGTTGGTAAACTTATGGGGAGTAGGCACTC	18896
TAATCACTGAGTTTGCAGTTGGTGCTTGACAAATCCAATAGGGTCCTTCTATGGTAGCCACCTGGGCTCCT	18897
CTTTTTGGCACCAGGGTCCAGTTTCTTGGAAGGCTATTCTTCCATGGACTGGGAGTTGGGAGAGATGTTTTTG	18898
GCTGCCATAACAGAGGATCACAGGCTAGGTAGCTTAAACAACAGATGTTATTCTCTCACAATCCTGGAGGC	18899
ATTTTGGTCTCCTGTAATCATATTCTGGGGTGATACGTCCCGAGCCCCAACAGGACTCAGCAAGTAAATGCCA	18900
TTATTTGTTTTCATGATACATACTTTGAAATATTCACACAGTGTACATATTTTAAAGATATGAATCTGACTACA	18901
AGCTGGACATCAGAGGCTACTGTTGGACATTGAAGAGCAATAGCTTGAATTTAGAGGGATGGCTTGATGGTGT	18902
GGTAGAGAGTAAATGCAGCAAACGGCTTGAGATAGTAGCTGTACCTACTCTGTGTTCTGTTCTACTCTTCTTT	18903
TTTCATGTCTCATCATCTAGTGTCTGTTGCACTATTTCTGAAATAGACCCGCAGGGAAGAAAGACAGGAGAT	18904
GGATATTATTTGGTGGAACATGGTTGTGGAACACGGCCCGTGTCACCGGCACCCACTTACCTTCTCCATAGC	18905
AGAGAACTGTCCCTGAGCTATGCCAGCTGCAGGTGCTTCAGCAGGGCAAAGAGAAAGACAGAGAAAAAAGGC	18906
TGGAATTTTTTTCTTAAAAACAAGAAGTATTCCCATGGGAGTGACAGGATATTTGAGATGAAAGATACAAAAA	18907
GTGGCTGCTCATTTAGAAGTTTGGTGGTGGTTTATCAAAGCATAACAGCATAAGAGCTCCTAAACTTTAGCC	18908
TTGTATAGCAAGTGTTACGTTGGTACAGGGCATACACAGTTGAAAGAATTCAGCCCTTATCAGGGATGCAGA	18909

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Table 1. Novel miRNA sequences

TTCTTTCAATGGCTGCTGCCGCCACCCTACAGCATGAGCACCCATGCCAGTGGCCCCAGGCTTGACCCTCCC	18910
TAAGTGCATGGTACAGAGCTTATCAAGCTGTACAAAAGTAACACAATGATATTTACTTTGTATTATGTGTTA	18911
GTAAAATGCATCATGCTGTATGCTTAAGATTAAGGGCATGTACACCGCATGCCTTTTACTGCTGGTAAGTA	18912
CCCTCAGGTATGGCTTGCATGGAGACCAGCCAGGACAGGATTTCTCACCCTTGGCACTGCAGACACTGGGGG	18913
TAAGGTACATCAGAGGCGCGGGGCCTCCACTCCTGCCCATCACCAACCACCAGTCTCAGCCCTGTGCCCTCTGC	18914
CTTGCCCATCAACAAGACAGCAGGCACAGACAGGCCAGCTGTTGTGAGCTTGGCTTTAGGACTCCATTCAGTA	18915
CCGCTGCTCCGCCTCCCCCGGCCCCGCGTCCTCCGCGCCTCTCCGTCGCCGGCTGCTCCGCCCCCAGTCT	18916
TGTGGAAACCTGCCGGGGCTTCGTGCTCAGCAGACCTGGAGCACGTCCCTGGACGTAGTCTAACCCTGGG	18917
TGGCCAGGGTGACCAGGTGAGTTGGACTGAGGAGCTAACCTCTTTAGCAGCAATGTTGTCCTAGGTGCCAGA	18918
ATGTCTTCAGCTCAAATTGCATCAGGAGGGATTTCCAAAGGGAGAGGGCAAGAGCTGACGTCCCACAAACCT	18919
TAATTCAGGGTTGGGTTCACTGCCGAGTCAGGCTGATAGGTGGTGGAAACAAATCCTTATTACTTTCACGAG	18920
TGGTTCCTGAATGGGTTATACAAGCCTGCTATTGTATCATATTGCCAGGGATTCTTGAGTAAATTGATTATA	18921
AGAAAGTTAACTTCTGTCTCCATATCCTAAAATTTAAATTATGTTTTATGGTGATGATGAGGTATGGCTAAA	18922
TTACACGGCGCTGGCCGCTGACTTGCGACGTTGTGTCCCTGGGACCCTAGTCCAGTTTAGGCCCCATCCCGCC	18923
CTAACCCTAAAGCATCAACAGTGTACCACTATCAGGCATTGGTGACCTGACATGGTAGTTCTCTGTGCCAGC	18924
TTCTGGACCTGAGACAAGCTGAACAACCTCTCAGTTTTCTTTCCTTAGGGTCCTGAGAGGCAGTGGAAGTTGGT	18925
ATACACCAGTCAACAAGTGAGGGGATGGGGACACCAGGAAATGTCAGGCGCGTGGTGTCAGCCTTCCCGGAG	18926
CAAAATGCATTTCCGGAAAATAATGAAGATGTAATTCCATATTTTTGCTGGCTTGAGTTTATGTTTGGTTGTGC	18927
CAATGGCCCTGGAGCAGATGTTGCTCAGAATATTGGAGGAGTAGAAAAGATGCCAGTTTCAGGAGTGGTAA	18928
TCCAAGTATAATTTATTCCCTTGGCTTCTTCTGCTGAGCTACTGGGAAGTCCATGGGCATAACAACTAAA	18929
CTTAGCAGAAAAGGTTGTGCAGCATATGCCATATCATACTGGATATGCCCCATCTCATGATGAGCTGTCAGGA	18930
CTGGGAGACAAAGTGAGATCTCATCTCTACAAAAAAAAATGTTAAATGATGCGAGAGGATCATTTGAGCCCAG	18931
GGGCACTTCGGCTTTGTCAAGGCCCACAATACCTGGCACTTACTGTGATGTCTGAAGCATGAGTTGAAGTGTT	18932
ACAACAATTCTGAGATGTGGCATAGTCCAGTTGTTGTCTTGGCATCCAACATATCTGGTCTGTATTTACTTG	18933
TCGAACCCGGGAGGTGGAGGTTGCAGTGAGCCAAGACTGTGCCATTGAACTACAGCCTGGGCAACAAGAG	18934
AGTACTTACTAGCATCAGAACAGTGCTTTGGAAACTAAGAATTAAAGGCTGAGCACTGGCAGGTATGGGAA	18935
TTCACATTTTCCTGTGGCAAGACTAGAGACTAGGGCATGGTCTTTTGGCTCAGCTCAGAAGAGGTGACTTTTT	18936
CACCAAACTTACTAAGCAGCCCTGATTCACTCCATGGATCTATTGAATCAGTCAGACTGTGAGAGAAGCC	18937
ATGGATGCCATCTTCTAGCTCATCAGGATGATCCAGTTTTCCCCTGGATATATCAGTTAGCTTTCCTTGCAT	18938
TTATGTGCACATAGTAATGGCAATGGCAATGGTAATTTGCTTCCTGTCCATGGTGTGTGTGTGTTTGTGT	18939
GGAATGAGTGGTGACAATTTTCCATGCAGATCTTCAAATTAATAAAGTATAGAAGTTAGTGTCTCACTCCCT	18940

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Table 1. Novel miRNA sequences

TGTCAACAATAGCACAGAAGGTTAATTTGCTAAGTTTCTTTTGTGCACGTTAGCCTAATATAGTCTCTGACATA	18941
AGCCCCAGTGGAACCATAGCCGTAAGGCGGCTGTTTTTGCTTTTATAGGGTTTCGTTGTTTGGGTTAAAAAA	18942
ACGCGCCACGCCGCGCTGGGCAGCTGGAGAGCTGGCGGCGGAGCGGGCCGGGAGCGGCGGGGGCGGCGCCGAG	18943
CCATTCCAGCCTGGATGACAGAGTTGAGACTCTGTCTGAGGGGGACAAAAAAAAGTTTGATTTGGGACAC	18944
TTGCTGCTGAGTACGCGGTTACCACAGCAACACACCCAGAGCCCTCGCGCTTGTGGCTGCCGATGACGTC	18945
CTAACCTGTTTGTTTGGTGGGGTCGGCGGGGGACATCTGCTTAATAATCTGCCCTTTTCTGGATGATGCTT	18946
ATAGTCTGGGCTGGGGCCAGAGAGTCTGCATTTCTAACAGGTTCTCTGGTGATGCTGCTGGTGTGGAACTCC	18947
AGTTACCGTGCTGCACAGCAGGTCTCCAGAACTCGTCTTGTAATTGCAAGTTTGTGCCCTTTGGCTAGCATC	18948
CCAGTTCTGAGGAGGCGTTGGCCCAGATCCAGAAATTTTTACTGAGAAAATCTTGACCACGCCTAGATTC	18949
GTCAGGGCCAAGGGAGCAAGGGAGACAACAGCACACTGACAGCGTCTAATACAGCTCCTCTTTGTACTGA	18950
TCAAGACTCAGTTTGTCTTTATCCCCAAACTCCAAGCATGACTCCATGTGCGTATTAATGGCTGTGTGTCTTGA	18951
GGAAACCACAGGGTTAGTGAAGTAGTACCCCAGGAGATAGTCAGAGCAAGGTGCCGTCACTACCGAAGGG	18952
CTGGAGAGCATGCTGAGATAGCCTCAGGATGGTGATCACTGAGCCCAGGCTGAGGCTGCAATGTCACTGTGG	18953
CCATGCAACCTAATCATTCAGGAGGTAAGAAGTCTAATATGTTTCTGACCTATGATAAAGTGACTGAGGAACAT	18954
ACTGTACTGTGGATAAGCGGCTCAGTTCAGCAGAGCTGGAGTTGAACAACTTTGTTCCTCTGGTGTGGTAAAT	18955
GAGGAGGGAAAACAAGCTAGTTGTTGGACTGGAAGCTTCCAGAACCACAGCTGTAGCCCTTAACAGGATA	18956
TATCAACATCAAGGTGCCAAAGTTACAAGCCTCTGGCATTGGTGGTTCATGGCAGGATTTGATGAAGTTGG	18957
CATTCCAGCAATGCCTCAAAATGCCTCTACTTTTATAAACTCTTCCGTGGTGGGCCCAGCTAGGAGTGGTT	18958
TGGACTAGAAGTTCAGTCTACATGCTGTGTGACAGTGTGCAAAAAACGTACTTTCTTCTGGGTCTCATTTTCC	18959
CTGCCTAACTATTAGGGTCTCTTGTATTTGTGGTAGAGAGGAGCTCACTCAGAAGGCATCAGTAGGCTATGGGT	18960
TAAAGGTCTGACAAATTTGAAGGCTTTGCCAAATATGCACCACAAAACATTCATTGTTGTTAGATTAATTTAC	18961
GCAGAAGCCCAAATAAAACTATCAGGCCTATAGAGCAGACATCATGTTTGTACAGTTCAGTTCTGATGCATT	18962
AGAGTTCAGTAGTCTGCACAGGGGAAAGTGTGTCACCAAGCAGGTCCATTACTACCTGAGCCCTGAAGTC	18963
ACATTGCTGATGGGTTTGTGAAGTGGTACAGCTGCTTTGGAAAACAGTTTGGCAGTTCCTCAAAAAGTTAAA	18964
GATAGGAGCCCAGTTTTATTGTTTTTCATATGGCTATCCAGTTTTCCCAGGAAAATGTATTAAACAGGGTGCC	18965
CAGTTCACTGGTGGTGATTTATTGGGTGTGTTTTACTGCTAACCCACACATGAAGCCCCTGACATCTTGGCTG	18966
GCCATGGGCTGAATGAGATCACTGTGGAGTGAGGGCCCCACTCTGGGATTGAACCTCCCTCCTCTCAGATGCT	18967
GAAGGAGAGATAAAGACTTCCCAGGCAAACAAAAGTCAAGGGAGTTCTTCACCACCAGACCTGTCTTACA	18968
TCCCCTCCCTGAGACCCGCCAGGCTGAAATGAGAGGCAAGCCAGTTTTATAGTTCCGCCTAGGGCTTTCCAGGG	18969
GTTGTTACAGTATCAAAGCAGCCATAGACATATACAAATGAATGGTTGTGGCTGTATTTCATTAAAATATTA	18970
TACCTCTGCAAACACTCATACCAGGGATTGAACCTCTGAGGAGTTTGTCAGTTTTCTCCATACCTTTACAAT	18971

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Table 1. Novel miRNA sequences

GTGAGCTTGGGCGGCGGCGGCGGCGGCGCTCCACTTTCGGGGAGCCCGGCGGCTCTGGGAAGCTCACTCC	18972
CCCTTCCCATTGACTTTGGGCTTGACTGTGTACCTTTGACCAATAGACCATGGACAGACAGAAGGGACTGTGT	18973
ATGAATAACAGTGCTGCTCATGAACACCAAAGTTTACTGAAAAGTCAATATGGTTTTAGTGTGGTAATAAGG	18974
TACTGAAGCCAACTGTCTTGATTTGGGTCTCCCAGTAGCAAACCCAGAAATAAAAATTTGAGCTCAAGTAGT	18975
CAACTGACGAGTAGGTTAGAACATTCGAAATCTTCAGGTTTTGATAGTTTTGTTTTACATCCGTGTTAAA	18976
GCTTCTTCCTCTGGTTCAGCCTTGCAATGGACCACTACTCACTTCCTTGCTAATCACCCAGAAAACTCTGGC	18977
GTTTTATGATAATTTAGGTAGCATTCATTGTACACTTACAATATGGCAGGAGCATGTGGCAGTTACTTGAATGG	18978
GACAGATTCACTTAATGCTTAATGCCATTGTGAGAATGGCTGAAAGGCTCAGTTCAGCAGGGACTGTCAACC	18979
ACCAAAGTGCTTCCAATCTGACAAAATTCTCCCCAGAGGACTATTTGTAGGAATAGATGCAGTGTTGCCC	18980
CAAAAATTATCTTGAGTAGTAAGGTTATTGAGATGCACAATAAATGAGCTACGTACTGCTTATGAGAGATGGT	18981
AGCACATTTTAGTCATCCTTTGAAGCTGTGACAGCTTCATGAAAACAATCTATTGAACTGACTGAATTTTA	18982
GCAGTTTGACCTACAGGCCAGTAGGTGGCACTTATGGCTAAAAGCCAGCTGTAGCAAAAGCAGATGGGTAGGT	18983
CACATCTGTAGGCATCCATTGAATGTGGGAGTATGATCCATCTCGAAATTCCACTGGCAACTTACCTTTAG	18984
AAGGGTGCGTAGATATAGGAAGTGGCAAATCTATTCAATCCAGATGTGTCTAACCTCAAATTCTAGTTCC	18985
AATGAATAATCAGAGTATGGCTTTTCATTTCTAATGTCCATGGCACATTTTGATTACAGCATTCATTATATC	18986
TTCAGAGGCAGAGTGATCCTATGGTTGACTAACTTACTAGCACAACAGTGTCGAGGATCCAGGCACTTTCCA	18987
CATTTTGGAGTGAGATTTTCCCCAATTCAGGATCACATTGCTGAGTACATAACCTTAGTCTACATTTCTGTG	18988
TCTTGTCTCCTGGTAGGTCATGGAGGTTTGGGGAGTTCCTTTAGTCCCCAATAAAGCTTGCTTGTGGAGGCC	18989
TGCACTTAAGAAAAGTAATAAAGACATTGCCTACCATTTCAGATGAGATCAGGTGCTTTCAGAGTGGTATGGC	18990
CAAGGCAGACATCTGTACCAGAAAGGACAGGGAGGCATGGTAGGCCAGAGCAGGATGTCAGAGCCCAAACA	18991
CTCTTTTCTACAGTTGTGCATGCAGAAAATAGGCTACAGCAGATGTGAGTGTTGTCAACTGTGTCCACTGTC	18992
TCAGAATAGCAGTTGTCTTTATGGGGTAGCCACTGGGAGGGGCCACAAGGGGGTCTTCAAGGGTGCCAGCAGT	18993
AATGCTAGCACCAGCCAGGCAGCACCCCTTCCTAGAAGGCTGGGGTTCCTGCCTCCAAGCTTCTAGGTCCTG	18994
GCTGATAGGAATCTTCCCATGTGCCACATGCACACAGCAGTTTGCCAACGTGGATGGCTGCCAATGGTTTTCT	18995
AAAAGTACAGGGACCATTCTTCGTCCTGCACACACACACAAAAATCTGATAATGGAGCTTGATGGTTCCAA	18996
ACAGCACAAAGGCACAGAGGTTCAGGGTTGCATAGTGCATTTTGGGAATAGCAAGTAGTTTGGTGGGGCTGT	18997
AGTATGCAGGAGGATATGCGTAGGTTATATGCAAACACTAAGCAATTGTATATAGATTTTGGTATCCATGGG	18998
GTTGTGCAACTGTCTTATATCACCTGAGCTGAGTAAGACTTGCTCAGGGGGAAAAGTCAGGGATAAACCCT	18999
ATTGTATTCCAGGGATCAGGCCTCTAGAGTTTACACTGGCTCTCTGTGACCTATGAATGTCCTGGCCCCAGT	19000
TGATTCATCCATCATCATTGTATAGGGGAGGTAACCACTGTGTCAAGCCTGACAGGGAAGAACACCATAGAC	19001
TCACTAAGCCTTGGTTTCCCCATCTGTAGAGTGAAGATGATAACCATCACATTTAAGACTCGGGAATGCTGAGG	19002

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Table 1. Novel miRNA sequences

GGCAGAACACCTCCAGTCTCTTTATGATGAGATCCCCTTCCACTACTGGTCAGGACTGAAGTCTGCTTCA	19003
CATTCATTGGACTAGGATAAATTCTGGGGGTGTTGGCTCAGCTGCAGGTGCTGCCAGAAGAGATTTCTCCTGG	19004
TGGCCTCTCAGCACCTCCCTGCTCATTCGCAGGTGGAGGTGAAACATCAGAATTCAATGTTTTGTCACCTTG	19005
CTTGGGGTCCGTGTTCTGAGCAAAACAGACATGATCCGTGCCCTCAAGGAGCTTACAATCTAGTCAGAGAGA	19006
GTTTGTACCCCACTCCTGGTACCAAAAAAAAAAAAAAAAAAAGAAAAAAAAGAAAGGGCCAATGGTTGGGAGAACT	19007
ACCATTCAAGCTACCCAGCTGACACTGAGTGAAGCACAAATTATCCCTGCTGAGTACAGCCAAGTAGCAGA	19008
AAGACGCATAATGCTGGTTGGCCCCTGGTGAGAGATTTGCTCACCATGCCTAGGTCCTCTCGGCATGAGC	19009
AGGCGGGAGCCGGCGGCCGAGCCCAGCGCCGACGACTCGGCGGGTGACACGGAAACATGGCGCAGCGCCCTC	19010
CCTGGCAGGGAGCAGAGGGACTCTGTTGGGTCCAGTCAAATCCTGGGCTTCCTTCCAGCCTGGGGTCCTCAA	19011
TCCTTGTAGATTGGAAAGTCTTTGGAGGTAGAGTTGCCAGACTTAGCGAATCAAAATATAGGATACCCAGTT	19012
GAAGAACAGAGGAAAGTCTTGCTGCAGTTGATATCCCCTTAAATGTCTTTCTGCCATTTTACCTTTCTTTTTT	19013
AGTCAGTGGAAGGGTACTGGACTTGGAGTCACAAGATCTGTGTTTTATTTTTTTATTTTTATTGATTTTTTTGA	19014
AGTCAGTGGCACTGCCAGCGCCGTGGTCATATTACCTAGGCCACAGCTGCCAGGCCTGCAAGCTCTTTCC	19015
CACCGTAGAGGAGCTCACAGTCTAGATGACTGGCACTACATACTGCCTCATGTTGTGTCACAATCTTTTTGTG	19016
ATGCAAACTGGAAAGGTGTGTTGATTTCACAACTCAAGTTCCATGAGCAGCATTGCTACTAGGAACCTCA	19017
CTGGTGAAATACCCTAACATCCTGGTGAAATACCAGTGACTACAGCACTCCAGGACAAGGGTAACAATTTTCCA	19018
GTTTATTTGGAAGGTGATTTAGGAAGTCAAGCAGACTGCACTAATAAGCAGCTTACTGTTATGGGCAACGGGG	19019
CTTCTCCCTCCAACCAGCCCTGCATGGTGCTGCCAGTCCAGTTTTCCTAGGGCCTCATTTTCATGTATTGCT	19020
TTCAGAGTTGTCTTCAACCGCATCTAGGTCAGAACAACTCTAGGGAGAGGGGTGGGACCTTGAGCGAGGCATTCTC	19021
AACCTGGCTCTTCAGCTAAACAGCATTCACAGTGAGCCGATGTGGAGTCCTCGTGTTGATTGCCATCCAA	19022
TTGGTTGCTAAGTCGCTTTTGGATTATTACATGGGGGTTATAGTCATCCAGAAAATTTGAAGGCTGAGAGCA	19023
GTATCTACAGCATCCCCAATGGTGAGTGTCTTGGGCAGGAAGACAAACATAGATATGTACGTTAGGTTGTTG	19024
TGGAAAGACTCCAACAGCTGAAGCTAAAATAGCTGGGGCTTCTCAAGCTCCTCTCTGTCTCTCTCTCTTC	19025
GTGATTTGTGATCCCCCTGGCCTGTCTTCAGTAAGAATCTTGTTAGGCCAGTTTAGCCAGAAATCCCCCTTAC	19026
TGGCCCGTTCTCAATGAGCTGTTGGGTACACCTCCCGGACCGGGTGGTGGCCGGGCAGAGGGGCTCCTCACTTC	19027
TCAAGGTGTCAGTGCAGTGGCACAGCTATGGTGATGAGACCAAGCGGCAACCAGAGCCCCAAGACACACACTGG	19028
ATGTAAACCAACAGATATTACACTTTTTTTTTCTCCTATGATGGGTGGTGAAATCTACTGTGGGTCAGTGTATA	19029
GGGCTCAAGCGATCTGCACGCCTTGGCCTCCCAATGTGCTGGGATTACAGGAGTGAGCCACCGAGCCTGGCT	19030
GTTGCTAGCAGCACTATCTATAGTATATGCCCATTAAATCGTGGTACATTCACCGTGGAGAACTGTACAACA	19031
GTCATTTTAGTCAACTAGCCAAGCTCAGGGCTACACTTAAACCAGCTCCCTAGAATGGCCCACATCCCTTAT	19032
TCACCTGGGCAAGGATGAGTCCCACAGGGGCAGGGGTGAGGCTGTGATCCCCAGGGGGCAGGCCCTGATCT	19033

Table 1. Novel miRNA sequences

CTTGTGCCGTCACGTTTGTCTCCCCTTACCAGACTTATAGAGACAGCAGGACGATCTGACTTGGCAGGAGC	19034
CAGGTGTGGGCCAGTAGCATACCACTGCAGGTAGCTCTATCTGTGGACTACTTGGTGACTCAGATGCAGCCTGA	19035
CCATGTCACCAAGTGTCATGGCCGCCTCCAGATAACTCCGCGTGTGCAGGACATCTTGGCGGCCCACATTTG	19036
ATCAACTATTTCACTTTATGGTGAGTCTGAAAGGAGAAGGAAGCATGATGGAAAGTGAAAGCAGAGCCAGGGG	19037
TCACCGACACCACCTCTCTTTCACACCCCAGCAGCAGCAGCATTGTGTGAAGAGCGTTTCTGTGCTCTGTGGA	19038
CTTGTCTCCTCAGCCAGTTTCTTTGTCTTTATGGGGTAAAGCCTTAGGAGAAAAGGATGCAGCCAGGAAAGAG	19039
TGGGGCCCAGTGTAGTCTGATGTACTGTCCAACACCTGGTTTACAGAGGGATCAGCCTCCATGACCCAAAG	19040
TCAGGCAACTATGGGAGCTGGAAAGTACAAACTTTGCAGAGCAGGATGTCACCCTGGAGTCCCCTGGCAGA	19041
GCCATGGTGGCAGGCATGGAGGTTATGCATGGACTCCACAATATGGACTTCCACCACGACCAATCTGGCT	19042
TCTCAAGCTCCTGTCTTCAAGTAATCCACTCGCCTAGGCCTCCCAAAGCACTGGGATTACAGGTGTGAGCCA	19043
TTCCTCGTGCTCATCCCCACATGGTCACAAGATGGCTGTCACAGCTCCAGACGGCTTGACTATATTCAAAGCA	19044
CTGGCCTCGAGGAGCTCACAGTCTAGTAGAAGCCAGATGCATAAACAGACATGTGCTAAGTGTTGTAACCGGGT	19045
CAGGTATATGGTATTTTTTTCCCAAAGCCACATGATAGACTACTGTCAAATACAATAAAGATGGTACCAGATAC	19046
AGGCACATGACCACAGTGTCTCCAATCTAATCTGGAAGCATTATGTGGCTCAGTTCACACTTCAATACCCAG	19047
CCATGCCGGCATAGATATATGGAGTGGGGCGTGATGGGATGTTCATGAGGTAGTAGACTGTGTGGCTCTGGA	19048
CAAGTGAGCACGTCTGGCTAATTATTTGTATTTTTGTTAGAGACAGGGTTTCACCATGTTGGCCAGGCTGGTC	19049
AGACTTGGATATCATGTGCTGAATTTTTCTTGAACTGACGTTTGGGTTGCGTTTGTGTGTGTGTGTGCCTT	19050
AAATAAATAAATAAATAAATAAAATATTTGAGGCCAGGTGCAATGGATTACGCCTGCAATCCCAGGTACTCAG	19051
GCCCCAGTGACTGTGATACTGCCAGGCTGGATTCTTGGTTTGGACATGACTCAGTATCATGCAGAGAGCTTAGC	19052
TTGGGGCTAGTAATAGTTTATGGTTGATATGGTTTGGCTGTGTCCCCACCCAAATCTTAACTTGAATTGTA	19053
TTGGAAGTAGAAAGCAAGATATCACCAGACATTGAATGTGTTGTTGCCTTGATCTTGGACTTCCCAGCCT	19054
TGGGTACAGCAAACCACCATGGCACTCATATATATATATATATATATATATATACCTGCACGTTCTGCTCA	19055
AATACATCCCATTGCCTCCCTAACTGGTAGAAAAGCATGCATGAGTGGGTAGAGGCTGGGGAGGGGGTACGG	19056
AGGAAGATGGATGTCGAGATGGCTGAATAGGAATAGCAGCTTCAGTCTGCAGTTCCCAGTGAGATCAACGC	19057
TTTGGTGTTTTAGACATGAATTCCTTGCCCATGCCTATGTCGTGCATGGTATTGCCTAGGTTTTCTTCTAGAG	19058
CCATCGCTGTCGTGCCAGGAGCCCTTGGAGTGTCCCCTTCTCTAAAGCCATGTCAAGCACAGTAAGAATAAA	19059
CATCCAGGGTGCGTATCTCAACCACAGGGGCCACCCAAAGCAGCAAGGTAGCCCCCAGAGGAAGGGGACGTT	19060
GTCTATGTGCCTGTTTCTGTACCAGTGCTATGCTGTTTTTGTTATTGTAGCTTTATAGTATAGTTTCAAGGAAG	19061
CTTCAGTCTGTGGGTGTTTATACCCCATTAGGTGGGTCTCTTGTAGGCAGCAATTTGCTGGATTTTGTGGTT	19062
CATTTTATGTAGGGCAAATGCAATGGTAATGAACTAGTCCAGCATTTGTTTTTCTGGGAATGTCTTAACTTC	19063
GCGGTCTCTCCTGAACTCAAGCGTTTTGTCCACCTTGGCCTCCAAAAGTGCTGGAATTACAGGCGTGAGCCAC	19064

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Table 1. Novel miRNA sequences

TAAATGGAATTGTTTTCTTTCCATTAGTTTCATGTATATGTGAAACTAATAATAGTACATGACTATTTATGAGC	19065
GGAGCTGGGCCCACGAGGCACTAACAGACTCAAGTTGATCTGCCCTTCTGAATCACCTTTGTTCCCAAGTCT	19066
GCACTCAACCTTCTCGCCAGTCTCAGGATGAGGTGGCCTTGCCCCACCTCAAAGCCTGCTCCTCCACCTGTGC	19067
CTTTAGACCTAGCCTTTCTGCTTCTTAAATTGACCAAAGTCCAATTCTAGGCTGAGGTTGGTGTTTTAGA	19068
TCAAGGGCAATGCTTCCAGCTTCTGTCATTTCATTATGATGTTGGCTGTCAGTTTGTCAAATAGGAATCTTAA	19069
GAGTGTGTGGATTTTTGTCTGATTGATTCAATTATTTAGTCACAATATTCAGAATAGCATCCTCATGCATT	19070
TTCAGTATGGCTTTTCATTTTCCACAGCTGTTAGGGTTTAAGGTGATAGATAGCTGGGCAATTACGCCAACT	19071
GCTTAACCATGGGCCACCAAGTTACCATATCTGAGCTGCCTATCAGAAACTGGGTGTTGTTTGACCCACC	19072
ATGGAGTTGCCTTAGGGTTTAGTTTCCCTCTTTACTCAGTGATTATTTGATACAGCTCCAGGGAAGATTCCAC	19073
TTTTTCCTAAATATTGTCCTAGGAGTGGGCCCACAACTCCGCTATTGCCAATGAGTTATTAGGGAAAGTCAG	19074
TGGCTTGTGGTATTGTATCAGTAAGTTAATTGCTGGTTCACAACAGTTTATGGTTAAGTCCTTGGAATTAGA	19075
AACATATCACATTCCCAGGTATTGAACATGAGTGAGCAGGAACTGCACAAGTACCTGTCGGGAAGCCCCAAG	19076
GGAGGGAGGGAGGGGAGGCTTAATCCCTGGAGACTGAATTAGCACCCACCTCAGGGGATTTTCTCATTGGGGA	19077
CATGTGTGCTCTGCCTGATGACTGTGAATTTGGGTCCCAGGAATGTGTTTACAACTGTTTCAGGTATACTGTGC	19078
ATGAAGACACCAAATATGTTCCAGACATCACTGGAGCAGGAGAATAAAGTGATAATCTACATACTAGACAGCA	19079
GAGGGAGGGGCAACAAGGGAGGGGACAAGGCCATAAGCAGTTTTCAGTGATGGACAAAGGAAAGGGCCTGACCT	19080
TGTATATATTAGTTCTAGGAGGTTTGGGGTTTTTTGGTCAATTTCTGGGACTTTCTACACTGACTATAATGT	19081
CCTAGTGGGAGGTGTTCGGGTCATGGAGGTGGATCCCTTATGAGTGGCTTGATGCTGTCCTTGTGGTAAT	19082
TGGTCTATGGTTTTTACTGACATAACCATGATGTGGGGGAAACAAACTGGACTTGGAGTCAGAATATTTGGT	19083
AGCCATGGCGAGCTTAGGGGAGAGCTGTGCCCAGGAGTCTCCTCGTGGGGTTTCCCTCAAGAGTTCCAAGGT	19084
GAGCCCAGCTTATCAGACAGACAGCAGCAGACCGCGCGGTCCCAACCCCGTCTACTTGCTGAAGGAGCCGGAGT	19085
GACTTTCAGTGATGTGGCCAGTGATTGCAGCCTGACCTCAGGCTGAGGCCATAAAACATGGGAAACTCACC	19086
TTGTTTTTCATTTTCTGGAGCAGGGTCTACAGGTTTCCACCAAACAGAAGATCTCGCCCTGGGATCTTTTTGAG	19087
TGTGCTCAGTAGAACAGTTTAGAAAATACAAGGCTGGGAGTGGTGGCTCACGCCTTTAGCAATCCCAGCACTT	19088
GGAGGGCTGGATAGGAGATGATCACCTGGTATGACAGTGTCTAGGAAACTCGGTCACTGTGAGAACAGAGTGG	19089
GCAGAAAGCTCGCTCCTACATGCCCTTCTTCTCTAGGGCTCACTCTGTGTCTCTGTGAAAAAAGTAACCTGC	19090
GCGGAGGCAGCGCCGGCGGGGGCGGGATGGGCAGCAGAGGGGGGTCAGCGGGCCCGTCGGGGGTGCTGCGATCC	19091
CTACAATGGCCTCTAGCGGTACAGGTGAAAGAAAGTGGTACATCTTTCACTTAAATCAATAGCTAGAAATGA	19092
TTTTTTGTATGATGACTTCTTTTCCTCTGGGTAGATATCCAGTAGTGGGAATGCTGTATCAAATGGTAGT	19093
TAAGGATTTTAGCATCTATGTACATCAGGGATACTGTCTGTACTTTTCTTTTTTGGTTATGTTTTTTCCTGG	19094
GTGGCAGAACTTGTACCCCATTGTTGTATTGATGATGTCATCTGACGTGTAACAGGCATTGGAAGAGTTGTCCT	19095

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Table 1. Novel miRNA sequences

AAGTCTTCTGGAATTAATGAGAGGAGAGGTGAAGACTCCCTTGGTATCACATTATTGAAACAGAAAAATA	19096
AACCCTTAATTCCCACAGCAATGTGGTCATATTCATTTTGGAGGTGAGGAAACCCAGGTTAAGAGAAGTT	19097
TTGCTAAAACCAGGCTATTGCTTGGTAATCTATCAAGTAGACCAGCAAATGTGCAACAGGTGGGTAGCAA	19098
TATTGGAGCATTGTTTGTAGGAGTGAAAAACTAGAACAAAGCAGATGCTTATAAATACTAATATTTGACAC	19099
ATGCTTATCTGCTCTGGTGCATCATTGTCAGGCATGGTGGTGCCAGCCCCCATGTAGCCATTTGCAGTTGTA	19100
AAAAAGGGCAGTATATAATGATAAAGGATTCAATTAAACAAGAGGACTTCATCATCCAATATATCTATGCACC	19101
TTTGGTTTGTAAATCAAGGCTGCCTCTCTGGGTCAAAGTGACTTAGCTCCTATCTAGGCAAGAGTGAGATGT	19102
CCAGGTCATAAGTAGGAAATGATAGCTCAGTCAATAGCAAATACTCCAAGGACCTGAAATGATCTGAGACCA	19103
GAGATCTTATTGTGGCATTATTACTTTTGTATTATATTAAGTGCAATGGGGAAAGATGATTTTGTAATTAGGT	19104
TGGATATTTTTCCTGGTCACAGTGTAGGACAGTGCCTTTCCTACAATAGATCAGAGGCTATTCTCACAGG	19105
AAGCCATTTCTGCCCTGCCTCAGAAGGGTCCTTAGGGAGGGCAGTCAGAGGCACTGGGAAAAGGGCACAGGGA	19106
GTTTTCAGCATTTTTGCATTGATTCTTTCTCATTTTTGTGGGCTTATCTACCTTTTATCTTTGTGGTTGCTGA	19107
TCAGTCAAAATACCTGTGTCAGCATACTTCTTTCATCTGTCACTTGGCCAGAGTTTGCAGGACAGGCTCGGCAC	19108
GTAAGTGGAGGGAAAGATGACCTGACTTTGGGGAAGAGACAACCTGACTTTGGGAAATACGACCTGTCTTTCCT	19109
ATGACAAAATATTTTAGGGCAGCCACAGTCAAAGACATAATTTACTAGGAATTTTTTTTTTACCTCTGTGGC	19110
TTTATAAGGTGGAACTTGAACTCAAATAAGATTTGCAAGCCTTAGGGTTTAGTGTTGTTTTTCAATTTGGGTTT	19111
AGTCTTGCTCCATCACCCAGGCTGGAGTGCAATGGCGCGACCTCAGATCACCGCAACCTCCATCTCCTGGA	19112
CCAGAATAAAGAATCTTTCTTTTTTTCTGCAAGTGGCTTCCATGATCCACTACTTTTAGTAGTAAAAGAGAAAG	19113
ATTAAACGAAGAAAAAGCAAAATTGGTGAAGCAGGTTCAGGAGAAAGAAGACTTTCTTTTGGAGGCGAAATC	19114
AGAATTCTGAGTTCCTTCTGTGTGTTATCTTGAATTTTTTTGAGTTTCTTCGGCACAGCTATTTTGAATTCT	19115
GTATGAAAAAATCCACAATGTTGGGGGCATGTCAAAGGTACGCAGGAGCCTACTGAAAGAGTTCCCAATGGC	19116
ACCTGGCATCATTGCCATACTTGTGGCCCCCAGGGGGCTGCTTGGAACCCTGAAGTTTGCTCTAAGGAAG	19117
AAGCCCAGGGTAGGTGCAGAAATAATGTCAAAGAGTCAAGTCCTGGAATCAGGTACTGCAAGTACCCACTTGGT	19118
ATCTCACTCTGTCACCCAGGCTGGAGTGCAGTGGTGCAATCGTGGCATCATGGCTCACTGCAGGCTCGACC	19119
ATCTCCATACTGCTTTTCACAGTGGCTAAGCTAATTGGCATTCCCACCAACAGTGTATAAGTGTGTCCTTA	19120
TTCTCTATGAACTGTAAAAGGATTAGTAAAAACAGATGGTGCCATTGAAAGCCATTGTCTACTAATTCTTAA	19121
GGTATTTTCTTATGACAGCCACCTACCAGCAGATAGAGCGATGTGGTGACTGATTGCTGATACTACCAAGTCT	19122
GACTTTGAGGGATAGAAACATGGCAACTTATCAGAAAATATTTTCAAAGAAGCTATTATAACTATGCCCACAAA	19123
TTTAAAAATGAGCCTTAACATCACCAGCACAACTAAAATTTAAACAAGATTTTTATGTGATATTGATGAGGT	19124
CTAGCTGAGATGGGATGACTGCTAGAGCCCAGGAATTTGGGGTTGTACTGAGCTATGATCTTTCCACTGCACT	19125
CAGATTTGTTCAGAATAAAATACAGGACTTTCCTATAAGGATGTATCATGGTGATGTAAATTCTGTAACTGCTG	19126

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Table 1. Novel miRNA sequences

CCCTTTGTCTGTGGGAAGCAGTTATGGAAAATAGACCTTCATTCATTCTCCCCTAAAGATTCAGGGGTCTTG	19127
ATTCCTGTTGTTTTCACTGTGTGACACAGCCCTGAATCACATCATCAGGGCTTGAACACTTAAGAGAATCTACA	19128
AGTTACAATATATTGTAGCAATTCAGAGCAGCACACTTTGCTGATATTTGCACCATGATTGTACTAAGAAAAG	19129
GGATTTTTGACTGTGCTGCAACCTACAATGGAGATCTGAGCCACAGAACTGGTTAGGTAACAGAAAAGACTA	19130
CATGAGGCTACACTGACAGAGCCAAGAAAAGCAGAGGGCTGTGTACTCATTGAGTTAAATGAATGACATC	19131
CTCCTGACCTCAGGTGATCTACCACATTGGCGTCCCAAAGTGCTGGGATTACAAGCGTGACCCACCCTGCCTGG	19132
ATTAAATTTACTAGAGAGATCAACTGCTCATGTAGAGATGATTAGTGTCACAGGGCATTTTAAGTGGATACTCA	19133
TTTCAGACTGGATACTTAGCTGTGCTTCCTTCAGGGTGTAGCAGCCATTGAGAGTTCTGCGCCTGATAAG	19134
AAAAACTAGATATGAGCGTATTAGTATTTGTTTTTATTTTCAGAATAATTAAAAATAAGTGCTTTGAATGCT	19135
AGTGGTCAGATTACAGCATTATTGTATGGTAATCCTGTTATTTAGGAGCATTATTGTATGGTAATCCTATTA	19136
TGTTTACATCATGTCAGTTACTATGACAGGAGTGATACACATAGTATCACATTTAAGTTCTAATGCATCGTGTA	19137
GGGGTTTCACCGTGTTAGCCAGGATTGTCTCGATCTCCTGACCTCGTGATCCGCTGGACACTAAAACTTCTAC	19138
TTATTGGTAATTAAGATGAAGGAGCATGGGTTGATTGGAATTTATTATAAAATGTTCATGGCAGCAGGATTGCT	19139
GAAAAGAAGGCTTTGGCATTCAGTCAAGTATAACCTAGAATACTGGCTCTACTAGTTCTGAGCTGAGTGATGTC	19140
TGAAACACCTGCAGTTAGAGTCATCCTGAGTACTAGGATGATCAGTAGCTTATCAAGCTGATTAGTAGGTTG	19141
AAAACTTATGTTTGAACATTTATCTTTGGGGATACATGTATTTCCACAGCAGCGTTGAGACTTACTGGGAACCT	19142
CTGATTCAGTAGGTCAGGGGAGGGCATTGTTGGATGGATCAAATGCATCTCCAAGCTTCCCCACTTGGGCACC	19143
CAAGGAGCTATTAGGAGGGTACCCCTGTTCTTTGTCCTCAGGGCCTTGGAATAGTAGCACTCACCCTGTGGAT	19144
GAGTTGGGAGAGAAGAGAAGAGTGCTTGGTATCTTGACAAACCCTCCTACCTTTTCTCCTAACTACATAGAT	19145
CAGTTCACTAGTTTGGCAAATACCCTCACAGAAAAAGAGTTTTTGTGCTTTCCTTACCTACTGGGTTTTTGCT	19146
TCTACTTCCAGCCATGTCCAGTTTATTGAGGAATCCATGAAAGGTACTCTTCATTTCTATTTATTTCTGGCAGT	19147
TCATTATCCAGTTTGATTGAAGAAGGGATGGAGTATGTCACCAAGAAGCCATTTTTTTTTTTCTCAAGACACA	19148
AAGAGTCTATGCATCTCTGATCTGTATGTGTTTGGAGACTGTCCCTTCAAATATTCATCCTCAGTATGACAC	19149
AAAATAATGGTGTAGAAATAAATTTGCTGAGGATACACTGACTTAGAAATATGTTCATACACTGTTGCATAA	19150
TTATATTTCTTTGTAATATAATTATCTGGTTTAGTTGTCTGGTCAATTATAACCTCATGGGGTGACTTGGAAA	19151
ATGTACTGTACATGCATTACAAATACAATTCATAAAGCTGTTATAATTATATGTACAGTATAGCATCCTG	19152
AGACAAAACCGTTTGGAAATGACCTGGGCCAGGGAAAGGAACTCACCTTGCCCTTCCACCTGCACCAACTTC	19153
GTTGAATGTTGTTGGGTAAGAGCATAAGAATAACAGCTTATGTTTTTTTTCTACTCAGGCATCTACCTCTTC	19154
CCAATTCAATGTACTATGATGCTGTTTCTGCATCTGAATGTATAGTAGGAATTAATGCACTATATTCTTGTA	19155
CAAACCTTTCAAAGGGCTCCCCACCTATGTGAGTAATCGTCATTTCCCAGGTTAGGGAATCAGGAAAAGAACC	19156
CCCAGACCTGGCGCCCATCATTCTGTCTCTATGAGTTTGACTATTCTAGGTATTGGATATAAGGGGAATCAG	19157

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Table 1. Novel miRNA sequences

CATATCATTCAGAGTAAGGGCCAAGTACTTTTTATGACCCACAAGGTCCTTTATGATCTGACTCTTCCCCTTGC	19158
AGGGCCTAGTAATATTGGATTCTCAATCTCACATGGCAGCAATCAGCTAGGGTTGAGTCAGTACAGCTAGTAC	19159
TATCTGTAGTCAATCAGTTTATTTTTGCAGGTTATTTGTTATTGAGTTGTAGGAGTTACTCAGATATTTTAG	19160
ACCTTCTAGGGGAATTTTTTTTCCTTTTCTACTCAGCTAAGGCCAGAGGAGATGAAAGTTCTTGATTCAG	19161
AGACTTGAGAGGTATGTCTTACTTTGCTTCTATCTCCCACTAGAGAGTTCAGCATGTAGTGGTGTACTAAAAG	19162
TTCAATGTCAGTAGTGTGGGCCAAAACATTAAGAAAGGTGCAACAGACTTGAGTCCATATTATTTATCTAAAA	19163
TATTTCAGCAGTTCTACTTTCCCGTACATTTTTTAGAAAGCATAATTCCTAAATGATTTTGAAGGGAAAGT	19164
ACTGCTGGTCACTACATTCAGATGGGTGGTGTTAGCCAAAATGTTTAATAGTGTGGTCATAGCTGGATCC	19165
TTAGTGAGTGTCCTATAAAAGGGCTGGAGGGAACTAACTTAGATCCCTTTTACTCTTCTACTCTTCTGTTG	19166
CTTATCAAGATTTCTTTAAAACGCTAAGGATAGTTCAGGACCTTAGCAAAGTACCAAGAACCTTATAGGA	19167
CTCCAGATCCCGCTAGTCGGCCGCGGCCTTGGTCCCGCGGCGCCTCGCCTACTAGTCACTGGCGACGCGGAG	19168
AAAAACCAAGGGCAAGAGCACGTGCTATGCTGAACCATTAGCACAGAGGGCATGAGTTAGCACCAAAACA	19169
GGCTTAACTGGATACTTATAACAGCAGGCAAGGCTCTCAAACTAGGGCCTCTGCTTCGTTTCCAGCCTTGC	19170
GGCATGCTCAGGAGGAACTACTGGTCTGTACACAGGAGGAGGCTTCTTAAGTCTGTTTATGATTTCTGTC	19171
TGCTGAGGGCTTTGGGCTTCATCCCATGCACCAGGGTCATGAACTCAAATGCCCCAACTCTCAGGCAGATAA	19172
AAAGAGCCCATAGCAAGTTATCAAGACTATCAGACTACTTCCTGTTTCCTGAATGTGCTGTGCACTTTTA	19173
AACAGCTCACCTTTGCCCATTTAAGCAGTCCTACAGCTTTAAGACTGGGATATGATTGGGCCTGAGCCCTT	19174
TATAACTACTGATGTGCTAGGAGGTCTGTGATGCACTGTTAAGTGCAAAAGCCAAGCTGTAGAGAAACATATA	19175
GATAATGAAGAGAAACCCCCGGCTCCTCCACTGAGGATGAATAGTAACAACCGGGATTCTTCAGCACTCA	19176
TGGGGCAGATAGTGAGTTTTATTGAGTTTGGAGCCTGGGACTCTGGGATATCCAGTCAGTCTTTCAGTCTTA	19177
ATAGCTCCAACGTTAGCTTCTGAGAAGTCCTCAGGAAGCTTATCATCATGGCAAAAGGCGAAGTGGGAGCAG	19178
AGATGTTTCTTCTGCCTTGGAATAAAGAAAATAGTAAAAGCTGTGGCTGTGGTCTAGGGCTGCACTTTCTCA	19179
ATCACCAGACTGCCTGACTTTCACAAGGATCCTGTGAGAAAGTTATGCTCATCATCATTGTATAGTTTTGCA	19180
ACCTTTCTGGTAGTGCCAATGCCATTTGTTCACAGATCACATTCTGAGGAGCCAGGTGCACGAACCATCATC	19181
GCACGGGAAGAGAGAGAGCTCGGAGAGTCAGCAAACTGCTTATTTTTTCTTCCCCCTGCTTTTTCCTAGCCAT	19182
AATAATAATAATAGTAGTCAGCAAAGTTTGTAAGGCTTAAGTGAGCTAATCCATTTAAGCATCTGGCACGGA	19183
AGACCACCTTCCAGCTACGATATTAATAGTTTCCTGTTACTGGGCTTTGAAGGTCCAGACAGGCTATGAAGGA	19184
GCTAGGCTGGGTGGGCCAAATTGCTCCTAGGTAGCCAGGAAAATAGGCTAGGCAGTAGAGACACAGTTCTGC	19185
CAGACTCTAGGCCTGCTACAGCACCAGGCCAGACCTGTGGACCCAAGTTTTAGGCCTCCTCTCTGGAATCTG	19186
CTGTGCCTTGGTGGTATAAATTTGATTTCCCAGAGCTAAATCAACCTGGTGCAAACATCACCAAGGTCAG	19187
TTGTTGCTAGGGTCAGCTCGAGTCCTCTGCTTAATAGAGCTAGTGCAGTCAGCACCAACATGTGATTTCC	19188

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Table 1. Novel miRNA sequences

AGCCGTGTTAATCATTTTTGATTTTGCCTTTATGAGGGTAAAATCATGACAGATTGACATGGACAATTCTGGG	19189
ATGAAACGGTGCGCCTCCGCAGACTCTGGGCTGCGATCTGCGGTAATCCCCGGTCCGGACAAGAAGTGCAACG	19190
TTTCCTCAGCATCTTATCGTTTGGTAATTTGCATGTTCAGAGCTTGCAATGGGGAGAGAGGAGAAGTGATAAT	19191
CCTATAGCATGAATCCCAAAGATGATTTCTGGTGACATGTCATTCTATTGTGATAATTGTTTCTTAGTTGTG	19192
CCTTAAGTCTTTTCACCCATAAAGTAGGGGATAATACTAATACTTGCCTTATAGGGTTATATTGAGAATTAA	19193
GAGAGAAAGAAAGAAGCTACTTGGCCAGAGCTGCTGTCTGTGGTCAGATGAGCAAGTTGTTCTTTTTCTGTAC	19194
AAAAAAAAATCTCCCCCTGAGAATCTAACAAGATAAAGTACTCTCAGGGGGTTAGAGTCTCAATCTGTAT	19195
CAGGTGTGACACACTTAGCTTACACTCACTTGGAGTCTTGCTGAAATATCGCACATCATGGATCCACTGGAA	19196
GTGGGCCAGTTTTCCTTAAAAGAGTTTGTCAGTGGAGCATGCTGACTTAGAGATGTCAAACTCCTCAGTGCCC	19197
TAGGCATAGTTGTATTAAGAGAAAAGTTCTAGTGCCTTCTGTACTCCCACTGCTGCACTTGACTAGCCTACAAA	19198
TATGTAGCAGCACTGCTACTAGGAGTGACAGGGTCACTGCCAATGACTCGTGTTTCGCCCTGGCAGCAGCAGCC	19199
TGGGCCTACATCCCTTTTCAGTAATCACTTATGAAATCTATAGTCACAAGGGCTGAAAAGGTATACTAGGACT	19200
GTGGCGCTCCGTGAAATTAGACGTTCAGAAGTCCACTGAACTTCTGATTCGCAAACTTCCCTTCCAGCGTCTG	19201
AGGCAGAAAGATCGCTTGAGCCCATGAGTTCAAGACCAGCCTGGGCATAGCGAGACCCCGTCTCTTAAAAAA	19202
CTTTGCAACGTATTTGTGTTGATTTTTAACAGCCGAGAATTAACAACACACTTACGTTTGAAATGCTTGTGAG	19203
TGCTTAGCAGTGCCACGTGACCGTTTTTCATTAGCAAGAATTTAGTCACATGGCTATACCTAATAGCTGAGA	19204
GATTGAAGTAGATTAGGAGTATAGTAGCAGTGAGACCAATAAAGAGGCAGTACTGCAACTGTGACCAATT	19205
AACTGGGTTTTTTTTCTGCCTGTCTGTGTAACTATATATGTGTTGTGTATGATATCTGCAAAAAAGAGCTC	19206
AAAGGAAATCTGGTTGCTCTGTAGATATCATACTGTAGACTGTAGAGGAGAAAAGACAGAGAAAGAGCGGGGTT	19207
CTTAGGCTATTATCAGACTAGTTGGTCATATATAACATATGTATAACAAATTGGCTGAAATATGTATGTGTGT	19208
TAATACATGATGGGAGACAATATTTTGGAATAACCTGTTATGAGGTATATTCAATACCCATGAAGTAGTATAG	19209
GAGGTCATCCTAAGCCCAGTGATACTGTGACTCTTGCAGATGCATGGAGAAACCACCTTGATGGTCTTGTGG	19210
CATGTAACTGTACTGAATACTGTAGGTAACTGTTTGTTATATAGTGGTGAGTATTTTTGTATATAAACATGTC	19211
GGTGACAGAGCGAGACTCCGTCTCAAAGCTCTTGTGAAAAGTTTTCAGTAACGGGTAGTTGTTCAAACTGAT	19212
GGCTATCCACTGGCTCAGGGTAGGCACAGAAATGCTGTCCAAGAGTCAAGTCCTGGAATTGAACACTCTAAC	19213
TTGGGCCAAAAGCTACTTTTAAAAGATTTAATATTGAAATCATATCAAGTGTCTTTTCTGGTCACAGTGGT	19214
TGAGATCATCCCTCATTAATTTTGCAGAAATAAATTACTGGTTTGTCAAAGCAAAATTATCTTTTTCCTGTCTC	19215
CCATGGTTGAAACTTCTGATCTGTAGAGAGTATTTACCTCTCTTCCTCTCACTTTTCTTTCCCTCCTATGG	19216
TATACTGGCATGAGATTCAGAGTTATTTCCTGAACCTGCAATAAGTGATGTTGCTCAGGCGATTGTTCCCA	19217
GTCAACATTTTTCTGGTTCTGCCTTCGGAGGGCAGTGTGGCAGGGGGAAAGTGGTGGTGGGAGATGTGGG	19218
CAAGGTGTTTGGTGAGGGAACAGTTTTTCACTACAACGTTGAGAAGGGTGCCCTTAGATCTACAGCCTTCC	19219

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Table 1. Novel miRNA sequences

TCCCGGAGACTCCTTTGGCCCAGAGTTGACATAAGTGTCAACCCACTGGGCTTCCTGGAGGTATCCAGTCTG	19220
AGGAAGAGTTTGGATTAGCTTATGTCTGAGGTCCCACCTAGCTTTAACATTCTGAGTCCATGTTTAGATTAG	19221
TATGAGGCGTATTTATTGCTTGCTGAGTCAGCAGGGCTGAGGCACGTGCTGGTCAGCTGCCCTTGGGATTTGG	19222
AAAAGCAGTGCAAATGGAAGGAGATGGTGACAAAATATATTGACCCCACCCTCACCCCATTATGCTTCTAGA	19223
TAGTTAGGAAAAATTATTCAAGAAGACCTCTAGTGGAGGAGGGCTGGAGAAATTTTCATATAACTATTTTCAA	19224
TCAAAAATCAACTGGGTATATACATGTGGTTCTATTTCTGGATTGCCTGTTCTATTTTGTTGATCTCTGT	19225
GCCAAGGCTTGGGGCTTGCACCATCTGAAGCCAGGGCCTGAGGTCTACATTGGCCCCTTTCAGCCATGGCTG	19226
TCCTCAAGGAGCTCACAGTCAGCCAGACAGCTAAGCAGGAGTTACACTACACTGTGACAAATGTTGAGGTG	19227
CCTTTCAGCAGCAATTCATGTGAGTTTCCAGATCATTACCTACTTGATGAGGGGCTAGGGGCAGAGTAGCT	19228
CCACATTAGGGAGGTATCAGAGGCTATTGTGGCTGCAAGCCAAGACTCTGAATCCTGCTTCCAGTGCTAC	19229
CGAGGATGTGAATGCCAAAGGACCATTGCAAGCCATCATAGAGGCTGCTGACCACAGTGTATGTGTGCATTTTT	19230
TGGCCTCTTAAGATTCCTTCCAGCCGTGTGATTCCATGATTTGTGGCTCAAGGTCAGGCTTTAACCCAGCA	19231
GTCTTTCTCCTCCCTGGCTGTCTGAGGATAGACAGCCATCATGAACGACACGGTAACTATCCAAACTACAA	19232
GATCAGCGAAAGAAACACTGGACTTGGAGTCAGAAAATCCAAGTTCAAATTCTAGATCTGCATTTATGAGCTTT	19233
TTCTTTCTCCCTTGGAGGTATGACTGTGGTGTATATTGTGTATGATCTATTGCCTTCTTTTCTGGGTGCTTT	19234
AGAATGAGTAGGTCATCTCTGGAGCCTGTCACTTTTTGTGTTTTGGTGCTAATACAATTGATCGATACTGC	19235
TGTTGGTGTAATATATTCTATGGGTTTGGACAAATGTTTAATGACATGCACCCACCAGTATAGCATCACA	19236
CCAAGTGAGATGAAGCCAGTGCTTTGAGCTGGGCTTTGAGCACAAGTGAGCAAACACCAACATTCTCACACT	19237
AGCAATAAGAATAGTCTGACTCACAGGGACATATGGCATTGATTAGTTGGTCATGGTGTCCCTTGAAGAGA	19238
GGAATCACCACGCCTGGTCCCTGGCTTAGATTTTGAATCTATTATATAGTAGACTGGGTTTCCAGTTTGATAAA	19239
AGGCTGCCATGCCAGACACAACCTGATGATTCTCAAAAGAGCTTTTGCTTTAAAGTAGGTCTTCTCTGATGGT	19240
GTAGAGAGCACCAGAGTCAGCTAAGGGGAGAGCTGCGCTTCCTGGTTCTCCCGCTGGCGCCAGCGGTCCTGC	19241
AAAGGGCTCTTATCAGTGTGATGTTGATGCCCATGCAGAGCATAGGAATTAGCAGTCTGACTGAATATGCGCC	19242
AGAAATAAGGCTTCTGTCTACTACTGGAGACACTGGTAGTATAAAACCCAGAGTCTCCAGTAATGGACGGGAGCCTTATTTCT	19243

AGCAATCCTCCTGCCTCAGCCTCCCCAAGTGCTGGGATTACAGGCATAAGCCATTGCGTCCAGTCCTTTG	19244
GGGTATGTCTCAGGGGCTTTCAATCTCGGAGTCTCCCACTTCGCGGATCTTTCCCGCCCTCTCAGTATCTCCTC	19245
ACTTTGAATTCTCTTGAGAATTGAGTAGATGGGCCAAGAAGATGCATCTATACATGTGGCTTAAGGGAGA	19246
TAGAGGCAGAATGGAGCTGTTTGTGACAATAAAGATAGGAATACAGACACAGGTTAGAGCTAATTTCTCTCTCT	19247
TGGAACTATTTGAGTGGTTCAGGTTGGGGGCCACAGCCAATAAGGATTGGCTCTATTATTCTGGTAGGCTC	19248

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Table 1. Novel miRNA sequences

AATTACCTTTCCCAGTGATCTTACATTTAAGCTGAGGCCACCAGACAAGATTGGTGGAACAGATCATTAC	19249
TGTGTGTGTGTGCTCACTAAGATCTTTATAGATGGGGAGGAGTAAAACAATAACTATGGGCGCACCCAGGAT	19250
TTGCTTATTTTTCTCTACTGTATACTTGAGGAAATGGAAACTTCCTCAGCAGTCTTCTCCTGGGCACTCTGAGC	19251
GGTAACACAGAATAGTAATCATTTTAAAGGGTGACTGTAGAATTATTTGTTATTTTGTTTGAGTTATCTGAAA	19252
TTTGTCCTATGCTGAGTAAAGACCCCACTGATGTGTAGCAGTGGTGCTTTATGTTTTGCCAGTCAGAGGCTTT	19253
TTCAAATTCTGCCATTGAAAGCCAGTGTGGTATCTGGATAATGGACATGTTATTTTGAGAAAAAACATTGCT	19254
CTGCCTCCTGAGACTGCAAGGTTATTAACTTGCATCAGGAAGGTGGTAGAGAACTGAATAAAGAAATATCCATC	19255
GTCTCCACATCTGTCAGCTGTTTCATTTCCTGTCTTTGTCATAGTAGTGTCGTGGAGAACAAATGGGCTCATG	19256
AATTGCAACAGCTACTAGATAGCACAGTTTATGGGGCATCTCGGCCCCAAGTCTTTTGTCTTATAAGGTCTT	19257
GGCTCAACCCCTCAAACCAGGGAGTATTTTGCCTTGCTTGTCCTGGGAGGTTGACCTGTTTCCCCCCTTTTC	19258
ACATAGTGTGTCAACAGTTTTTGAACAGGATAATGATCATTATCATAGTGATGTTCGTAATCAGTTGTTCATTG	19259
GGCCACACTATGGAACCCATCGTTCAGGTGAAGAAAATGAAGCTGAGAGAAGTTAAGTGATTGGCCCAAG	19260
GCATCAGTAAAATGGAGATGATAATAGTACAAAACTTATTTGGAGCTGTTGTGAGAATTGAATGAACTAATGT	19261
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ATTTGTGTGATGTTAGAGAAGTGATATCAAAGGATCCATGTCATCGCATGGCACTCATTCGCACATCCTGAA	19263
TGTTACACCCCAATATTTAATTTTGTTCCCCCAAAAGGATGGGAGGAATAATGTGCAGTATAATGAGGAT	19264
GTTAAGGACATGCCCATGACAGTCACAGAAGGTCCTGATGATGTATATTCAAGGTGGTCAGGCTACAGCTTGG	19265
CCAGAGAAAGTTATAGGACAGTGTTGGTACGGAAGACTGTGCTTATGGCGCTAAGGCAGGGGTCGGCAAACA	19266
ATGTTTCTGCTATTGTGAATAGTGTTGTAATATTCACAATATTACAACATTATTACAATGTCATAATATTCACT	19267
CCATTTGGATGCTGTTTGCAATGCACTGTAGGAACTGGACACCAAAGGTGCAACTGTCACAGTAGCTGGGTGC	19268
GGGTACACATGAGATGATACATATATTAAATTACTTAACTATAGTGACCATTTTACTATTTATATGTATCTCAT	19269
AGTCCTTAGAGGAAAGCATTCTCACAGGCTCTTTTTGCAAGGTTGGCGGGTCGGGGGGCGGGTTCTTTTA	19270
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ATACGAAAATGCTGCCTAAGATGATGCTTAGAAATATGGAAAAAAACAGTAGTCTGCACCAATTAAGGTAG	19273
GCCTGGTGGGAGGTGATTGGATCATGGGGGTAGTTTGTAATGGGTTAGCACCATCCTCCTAGCACTGTTTGT	19274
TGGCAGGAATGCAAAATGGTGCAGCCATTGTAGGAAAACCGTTTGGTGATTCCTCAATAAGTTTAACAGAAT	19275
ATAATTTCATCATTTCCAGAGGGAACAGGTCTCTCCCCTGTCAGTCAACTTTGGAGCTAATGAGCAATGAGT	19276
GAAGATGGTTGTACAGGGGCTGTGTGGGCCTTCATGTCTTCATTCGGTCAGCGAGCCTGTGTTCTGCCTCCCTC	19277
GACCACAGGGGTGGCGAGCTTATCAGCATCATGTACTGTGCCCTGAGGATGCACTCACCACTGTGCTAAGTCA	19278
TTTAAGAAAATATCAAAGCTGAACACTTTGATAGTTGGAGGTTCATAGAAGGTCAGCTTTGATAGTAGAAGA	19279

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Table 1. Novel miRNA sequences

GAATGTAATCTATCCTGATGAATGTGAGCTTCAGAACAATCTATATTCTGCATTTATTGGATGAAGTATTACAT	19280
AGTGATCTTCTAATATGCCAGGAAGCACGCTAAGTGCTGAGGAGCCAGCAAACAAAGCAGACAAGGTCTC	19281
AGGGAAGCAGGGAGATGGAGCAGGGGCAGCACGTGCAGCTTCTTGCCATCAGCCCAGTGCTCCAACTGCCATG	19282
GCAGAGGACTGAGCAGGGCCGGTTGAGGCAGTTAGGTGGCTGCCCCCCCGGGGCCTTGCAGAGCTATTGGACAA	19283
AGTGCCTGGTACCCACTCAATATTTGTTGAATGAAAGCTCTTTAATATTCCTATCCTGGGTGCCTGTGATCAA	19284
CCATGGCTCATTGAGTGGCTGGTAAACTTGCTGGACATCCATTCTCTGGAACTGGTCAGAAACTGCCTTCTA	19285
GTCACATCACATTGCCAGGTCACGATTTATTTCCCCCTAGGCCAGCTGCAGTAGCCTCAGTGATGCGTGGGC	19286
AAGGTTAGTACAGGTATCAGAGGCTATTGTTGTCAGGTTATTTCAGGTAGCATGCTGACCGGGGACTAGCT	19287
TACTCCACACTTAAGAAATGGGAATTTATATTCCCTTCCTTATAATTCTTCTACAAGGGGTAATTGTCTCT	19288
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GGGCCCAAGGCACATGCTGTGAGCTTCCTGTGAGCCCAGGCTCTGCTCACTGCTGTCCCGCGTCATGAGC	19290
GAAGGGGGGGTTCCGAGCATGTGCAGGAGGGGGGTGGGGGTGCCCTGCGACCTGTGCCCAGCCCAGAGCTCCT	19291
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AGAGCTCTTAGGGTAGCTACTGTGCTTGTCCTTAGGGAATTTTAGTTCCATGTGGCAAGCCAAAGGATTCAGAG	19293
GAATGTGTTCCCGCTGTGCTGTGTGGCTGTTTTGCAGTTACTGTAGACACTGTAGTCTGGGCTCTCATTA	19294
CTGTGGGAGGCAAGGGAGGGGTCGCCCAGCCGAGCTGCTGGTGCTCAGCTGGCCCCTCTGCCTGCAGCCTGTA	19295
GTGGCCCTTGAGGGGGTTCTGCGGCCCCCAGACTCACAGCCTCCCTTGCGCCACAGGCCTGTGTCCTGACTG	19296
GCATTTAAAGGGCTCGCTCTCTCCGCAGCGCAACCTCTGCTCCCTGCCTCGCCTCCCGCGCGCCTAGGTGCCT	19297
AGAGCTTCAGCAGCTTGCCCAAAACCATGCAGCAAGTGAAAGGCAGAGCTTGCTGCTGCAGCAAAGACTGGTA	19298
CCCAACTTGGCCAGATAGCTTATACCTATGTCAGAAGTTGGAGGAGGAGATTGACAGCTGAGGTGTCTCCAAG	19299
GTTCATTGAGCTTTATTCACAGTGGCTAAGCTATGGAATCCATCCAAGTGTTCACTGATGGATAAATGGAT	19300
ACGGCTATCCAATACCTCCATACTGTGCCTGTCACATATAGGCACAATGGTCAACAGTTGCAGCTGAGTGTTG	19301
CCCACCCCAGCCTCCCAAAGTGCTTACATTGCAGTGTAAACCACTGCACCTGGCCTATTTCTTTGAACAGAA	19302
ACAATATGCAGTAACTTCCTTTCTTGGAAGATTCCAGGACAAAGAGGACAGTAATGACATCTAGGTTTTGCA	19303
CGGTTGCTATGTGGACACCTGGTGTTCACCAATCTGTGTGGTGGGGGCCCGTTAACAGGATAACCTCTCAT	19304
ACCCTGTTCTCGTGTTCCAGTGGGAGTACTCCAATGTGCAAGAAACATTTGGGTGCAAATTGGGGTTATCCAA	19305
AAAGAATCATGCAATGGATTCCCATAAGGGTCATCCTCCATGAACTGGGAAATTTTATTGTGGAAGGCAT	19306
CAATACATCGCACTCCTATTTGGATCGGGGTTTGAAAGCTCTCAAATCTGGTGTTTGCCAGGATGGCCACA	19307
TGAGTTGTTGAAAGGGTCTTTGAGTGATGTAATCATACCTGAGACCCTAGAGGTGAGTGTCAAAATATCATG	19308
TAAGCATATAGTTCTGAGCTGATCGACAGACTCATCACCCTTTACCACCTGTTGATTTACAGTACCCAATGC	19309
GAAGTGTCGATGATCAATGTGTCCTGCAATTCACATTAATTCTCACAGCTAGCTGCATTCTTCATCAACGCA	19310

Table 1. Novel miRNA sequences

GACTTAAATGTCCCAGTCTGACCCCTTTGAAGAGAGCAGTGGTTCTCCCAGCATGCAGCTGGAGATCTGAG	19311
CAAGTATTTGATAGTAGGAGTCTAACACGTGGCCCAGATAGCCACCACCAGGATGGAAGAGTTCATGCTTCTCA	19312
TCTTGGAATTTGTACCCCTCCATGATGGCCTTTTTGTTTTGAGTTTGTCAATAACCCAAGTGCCAACATG	19313
ATAACTATTTATATTTTTGTGATTGGCTGATTTCACTTAGCACAATGTCTCAAAGAGTTTATCCCTGTTATA	19314
TTAGCAATTTTAGAGTGTACAATTCAGTGGCATTTAGTATATTCTCAATGTTGTGCAGCCACCACCACTCTCTA	19315
TTTTTCCCATATGTGCTTACGGTTTAAAAGACAAGGAAAAAAAGCATGCATTATATAGGGAAAAGTGCAAGG	19316
AAGTTGATATCTCATTGTGGCTTTAATTTGCATGTTGGCATTTTGAACATGTTTGTTGGCACGTTGAGCATCA	19317
CTTTCTGTCAGTTTTTTCAAATGTTTTCCCTCTTCCTGCCTCCCTGGTCTCAGGTTGGCGATGCATGTGCTGGTG	19318
GGTGGAGGAGGCCTGATGGGACAGCACCTCAGAACTTCCTGGGGAGTCTGGCCTTGACTCTAGAGTAATG	19319
TTGGACCCCAATATCTTCTGGCTTGTAGTGTTTCTGCTGAGAGGTCCACTGTGAGTCTGATGGACTCCCCT	19320
AGGATAAGTGGTACCAGGATCATGAATTTTTTTTCCAGGCTCTTAGGGATATAGTTCTGAGCTGATCAACAGCC	19321
GGGGAGGACTATAGTTCTGAGCTGAGAACTTTAAAAATGTTTCTCCAGTGATAAGCATTTATATTCTCCTT	19322
ATGACTTTGCACAAGTCTGACAAACACTTTTGGGCCTCAGGAACAGCACCTTAAGTCAGAGTGCCTGCTTT	19323
CAGTATACAAGTTGAGATAGGGATCAGTCAAGGGAACCTCTAGAAGGACCCCTTGAGCAGCGTAGGTTTGAG	19324
CCTTGGTCATGGTTCTGAATAAGAAAATCCTTGACGGTCTTGAACAGGAATTAGTCCTCTCATCGACCAAG	19325
AGTGGACAAATCGTGAGAGGCTTTTTCCCATTTATATCATTGGTGGCAGTTCGCCTTACAGTGTCCTGGC	19326
ATTATCTCAGACAATGAGAGAGACTGTTTTGTCTTGGTACATTAGTGAGACTACAACATACTTTGATGCATGGTCT	19327
GGTTTTTATAAGCAGCCAGGTCAATTCTTGAAGGCTTTGCTGTTTAGGAAATTTTTTCCCTCAGATACTCTAAA	19328
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TGTGGATAGGGTGCACCCTGCTGCTGGTGAAGGATACAGTAGCTCAAGTTATGGGGCATCTACAGCAAGTGG	19330
TCCAGAGGTTGAAAAACTGCCTCTGGCAGAGGCTGGCTAGGTGCTCACCAGAGCTGTTTTCTCCTCCTGG	19331
CATTCCGGTGGGACCGGCCCGCTCCGCTGTGCTGCGAACCTGGCACACCGTGATGAATAGATACTCTGAAGCC	19332
ACGCAAACGCACACCAGGCTGGCTGAGGGGCTCAAGGGAGTAGCTGAGAAACGGGCGGGTCCCTCCCGAGC	19333
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GGCCTCGCCGCGCGCCGGGACCGGGGGCCTCCCGGGGTTGCCCACGACCCACCCGGCCCGGCTGCTGAACCC	19335
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CACAAGAACGAGAAACTTTGATCCTTATATAATAGGCCTCAGCAACCTTGGGATGTTATACTGGGAACTAAT	19337
GCTATCCAATATGGTAGCCACTCACCACTTGTGACTATTAGCATTTGCAATGTGGCTAGTCCAAATTGACA	19338
CCCATGGAGGAGTCTCGCTTAATCATTATCTGTGACCCCATAGATGTGAGGTTGTAGGTTGTTTGGTTTGTTT	19339
CCCTACGGCCGTCGGCGGCCCGGGCCCGAGATGTTATCTGGGAAGAAGGCGGCAGCCGCGCGGCGGCGGC	19340
CTCCCCGTCTCGAGGCCCAGCCCGTGTCTCAGCCTCCCGAGGCTCAGCACGGTCTCCCTCCATCTTAGTCA	19341

Table 1. Novel miRNA sequences

CTACTCTGCCTGAAGATGAGGAGGATGAAGACATTTATGACTGGTTCATTCCCGGCTTTCGGCACCAAAAAA	19342
TACCTGCGGGCGCGGCCGCCGGGCGCCGCTCCCGGCCCTCGAGGGCGGCCCGGGCGGCGAGGGCTCCGGG	19343
GGCCGGGCGTGATGCGCCGCGGGACCCCTGTCCTGGCCACTGGCCGCCGCCGCCGCCGCCGCTGAGACCCCGAG	19344
AGATGCATCTCAGTATGCCCGGCACCTCCACCACACAAGGGCTGTGCTGGTTGCTGTGGGAATGCTGCAGG	19345
TCCCCACCCTGTGCCTCAGCCCGGAGGAGCCCCCATCAGCAGGCAGGGGGTGGGCATATTCTTTGGTCAG	19346
GGTTCCGGGAGGAGGGGGGCTGGGTGCACCTCCCCACCCTGTGCCTCAGCCCGGAAGAGCCCCCATCAGC	19347
CCACATGTTTCCTTGAGCCTGGATCAGCCCAGAATATCCCACTCCTGACACCAGTTGTTTAGGAAAAACC	19348
GCCCTCAGCTGCTTGGGAGGATGGGCCAAGCCCAAGAGGGAGTCCCCAGGCCAGAAAGCAACAGCAGAGTGAA	19349
TATGCCTAGGTGTAGCATTTGGGGCTTTGTGTGTGTGTGTGTGCGCGCGCGCGTGTGTGTGTATGAGGGCGAGA	19350
AGTCAGCAGAGGGCAGAGGATGAAGGGACTTCTTAATCATGTGAAGGGACTTGTACTTTATCCTCAAGGCA	19351
CAGAGTTAGACGGATGGTGTAGGTCGAGGTTTGTGTAAGGCCTTGGAGGCCATTATAAGGCTTTTGGATTT	19352
TCCCTGGGCGCGCCCCGGCCCGCCGCGGGGCTCCGGGGCAAACCCTGGCCTGGCGGGGCTCCGGGGCAAACC	19353
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GTGCTAGGGTCAGCCTGGGGTTTGTGTTCCAGCTCGAATACTCTGTAGCTGAGCAACATTAGTCACATTGCAC	19355
AACTGCAAGGGATCTGAGATTCTACCCTAGTTGCAAACTAACTAGTTAGCCTGCCATAGTTTCATAGATGCTG	19356
CTGCTTACTTTTTGTTTGAATATATTTGGGGTATATTCTCAAAAATATGTTGATAATGGAGTACAGAAATTCT	19357
ACAAATAATACCATCTGGCTTTGAATTGTTTACAATCTGGCCAGTGGGTGCAGAGCAGATATTTAATGTT	19358
GTCCTTCTTTTTCTCTACGGTCCTAAATATTGCTTTGGTATCTCTTAATTACTCTAGGGGATCATGGAGGAGGA	19359
TTTGCAGATGAGCTTTCTCCATGCCATGGGGAACATGAATCCTAGCAACTATGATCTCTCATCTCATCCTAAC	19360
GGCGTGGAATTAGACAGACCTAGGTTTAAGTCCTGGTGCCAGGATTTATAAGCTGGTGACTTGGGGTTGCTT	19361
GCTCGGCGGCCCGCCTCGGGGCCCCGCCCACTTTGGCCAGGGTCGGAGCCGCCCGGAGCGGGAGCCGGAGC	19362
GTGGCCGCTAGCAGCTATTGTTCCTTAGATCTCTGAGCAACATAGATGATTTAAAGGAAATGAAGCTAGATCAC	19363
TTATCAGTGCTTGAGAGCTGTGATGCCCACCTGTTTACCTGAGACATTTCAAGTTACTGATCATTGGAATTTAA	19364
TGTAAGCCTGGGCTTCCTAGGGGCATGGTGGTCAGAATTCTAACATGGTAGCTGGCTTCTACCAGGGAATGCTC	19365
TCATTTCCAGGCAATCCACGGGCAGTAGGTAAGCACAGCTTCTACTCAAATTAATGAAAATGGTGATGAGCAAC	19366
TGGTCCAGGAGCCGGCTCGACGTGTCTGAGGGAGGCCCCGGAGGGGGCGGGGAGGTGGCCCACAGAACGCGG	19367
AGGTCTCTGCTCCTGGCGAATGCAGGGCACAGCATCATCTCCGCGTGAAACCTGCCCAGCCTCTCTGGGAGA	19368
AGGTGAGGCCTCCCCGCCCGTGAGCTCCGTTCTCTAAGGGGAACTCTCGGATCGGCCCCGCCGCGACCGCCAC	19369
CCCTGGAGGCGTGGGTTCGAATCCCACTCCTGACAATATGTGTTTTCCGTCCTTACTTTTCCTCCTGATTTGAA	19370
GATGGGAGAAAGTTCAAAGGAACTGCAGACAGGAGAGTGCAGTCTGCATCTCATCTTAGGTTTTCCCAGA	19371
ATTCCACTTCACAAATAGCCTATAATTTATTTTTTACTATTGATGAATGTCTGGGTATTTCCAATTTGGAGCC	19372

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Table 1. Novel miRNA sequences

GAGCAGCTGGGACTATAAGCGTGCGCCACCATGCCAGGCTCGTTTTTGTATTTTTAGTACAGATGGGGTTT	19373
AGGATTTTCTCTTCAATATGGAGCCCTGTCCTGGAAGGAAACTCTGGTGGATCAGGTTTGAGAGCTCCTAGAGA	19374
AACTCTTTAGGATTTATAAGAGCCAAATCTGCTTAAAATTAGAATTAAGCCTCATGGCCTAAAGATTCAC	19375
TGTAAAGGTGACCTGGCTCTCGTGGTCTGAGGTCTGGCCCATGTACTCTGCCAGAGTCTCGTCTTCTGCA	19376
TCATTTTACTGTGATGAACTTCTGAGGGTAAATGCTCAAACATTTGAGTATTCTGTGCAAAAGAAGAGTATTGT	19377
ACCCGCCTCAACCTCCCAAAGTGCTGGGATTACAGGCATGAGCCACCGCACCCGGCCAGGACACGGTACT	19378
CAATGAAAGTATGTAGCTTTATTTCCTTGGCAGTGAGACACATTTTAAATAAACTATATGCAAGTCACTGTAA	19379
ATCCCCACCACTGGGCTCTCCAGGCAGGAATTGGATATGCTTGGACTCACAGCAATCTAGAGCCCAGTGC	19380
ATCGTACTGAATGTATTCCAGAAAAACAAGGAGGAGGGACTCCTCCGTAACTTATTCTATGAAGCCAGCATCA	19381
TGAAACCACAGCTCCTCTCTGTTAATCGGGGAAAACCAAACTCCTCTAGAGGGCACTGTAGCACTCACCGAATT	19382
AGACCTCATGAAGAGGAAGAAAAATGAGAGGTGGGTGGATTCAGACCCTTGTAAAGACTTCCTGTCAATAGTCC	19383
CGGCGCTCTCACCGCCGCGGCCCGGGTTCGATTCCCGGTCAGGAAAGTAAGCCGTTTTAAAAACTGTTGCCGC	19384
TGCACCAGGTCTCCATCCACTGGGGGGAGTTCACCTGACTCCCGAAGTTCATCGTACAAGACAGATCTGCAGA	19385
CACCTGGTGATGGACATTGGGGCTGTTTCCAGCTTTTGGCTATGATGAATCAAGTTGCTGCCAGTCTGCATGT	19386
TGTCTAGTGGCAAGCTGCTGGCCACTGAATGCAGCACTATCCTATTCTCTCCTGGCTGGCTCGCCAACTTT	19387
CATATATAATATTAGTTGTAGAATATATATTTGACTTCCTAAATATATATAACTTGTGATATATGTGACTT	19388
CTCTCTGAAGGGCCCTTTCCTATGAGGTGGCATGGTGGAAGGAGCACTGGACTAGGAGTCAGGGGGTCTAG	19389
TTCTATTACAAAGTCAAGGTCTAGTGGGATGAAGACCTGCATTGCCTTCAGGTCTCCATGCCTCCTGGTCCT	19390
CTGGGTGCTGAGACCTGAGCTGGGTGGTCTGGCAGCACAGAGTTGCCTACTCACTGGATAGCCCACAGGCACCC	19391
AGTCAGGGACTGTCGGGCCGGGCCAGGCCAGGAGTGGTGGCGGCGGCAGGGCGGGGCGGT	19392
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CCTAGCAGACCAAAGGCTCTGGAAATCAAACTAACATTAGAACCAGAGTCCATAAGGTAAGGCGAGATGCAT	19394
GGCATACTTTCCTTTTCGAATCCTGTTCGTGACGCCAAAAATGTTCTGTGCGGGAAACGCATGAGGGGAGAA	19395
TATTTTCATGACAGTGGCCAGAGAGATGGGAGACAAGTCTCAAATCTGTCTCTCTCACTGACTAAAATTGAGGG	19396
CACCCCCACACAGCAGAGGGATTGTTAACGTATGGCTCACCTGGAGCATGTTTTCCTCCAGCCACAAGCAA	19397
AGCTAGTGGAGGTGATCCTATCTTATATCAGCATTTATTCTGATTCTTCGGTCACCCCGAAGTCTCTCTCA	19398
CTCACGGGGGAAGGTCTGCAGCTTCACTCCTGAGCCAGCGAGACCACGAACCGGGCGGGAACACCAGAAGG	19399
CCCGGGTTCCTCCCAGGGCTATGCCTGTCTGAGCGTCACTTGCCAATCAAAATCCCCCAGGGTTGCCTCTGGG	19400
TTAGCCTGGCCTGTGCAATTGTATTGCACAGAGGAATACAATATGGCAGGAACAGACCAATGTAACAGGT	19401
GTCCTACATGATCTGAGTTCAGACTGGAGTGATCCAGGTCGGTTTCTATCTACTGAACATTTCTCCTAGTGCG	19402
ATTAATTATGTATTTGTTCTGCACATGTGATTAAAGATCATGGCAGCTTATACAGCATAATTTTAGAGAT	19403

Table 1. Novel miRNA sequences

TCCAGTGGCTCTTAGTACCTTCTGGCATACCACCATGTAACCCTAAAGTGGAAGCCAAGAGAAGGAGTGAAGA	19404
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ATTTCGCTACATCTCTTCAGCTAACCTTGGAGACAATAATAGTATGGTGGATGTAGAGAAAATTGATAATA	19406
AAAGAGAGTTGTTTTGTAAATATAGTGTTGTAAATAAATTATTCTCAAGATACACTCTCTCGCTGTAGCTTTC	19407
TCCACAGGGAAGTTCACTGGAGTTGGAGTCAGAAGCCATGGCACTTGGCATTGCAAACATCACCTGGGGGAGC	19408
GGAAGTGTAAACGTCCTTTCAGATGGTTCTCTAGAGAACCATCTCTAGAGAACCATCTGAAAGACTTTGGA	19409
CTCACAGCTGCCAGTGTCATTTTTGTGATCTGCAGCTAGTATTCTCACTCCAGTTGCATAGTCACAAAAGTGATCATTGGCAGGTGTGGC	19410
GCCCGCTCCCATTGTGCGGCCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGAGGTGCGGAGCGGAGCGCGA	19411
ATCAAGAGTTAGGTCTCCACGTGGGTTTTCCATTATTAGGTACATCCCAGGAAATGTTCCTTAAAACTTGATA	19412
GAATGTTTTCTTTTTCTCATTATTCAAGGTTTCAAAAATGAAGACAATGAGACTCTGGCATGGGAGGGTG	19413
TTCTTTATCTGGAGTCACCCCGGATGGTGGCAGTGACTTCAAAACCAGCCAGTCCGAGGTCCACATAAGGGACT	19414
AGAGGAAGGCCTCACCGCCGATAACGTAGATCTCCCCATTGAGGGCCGCGCTGGCGTGGTTGGTGCGGGGCTT	19415
TTCACTCAATTAACCCTTATACCAGTGATTCTCGCAGTGTGGCCCATGGACGAGCAGCAGGAGCATCATCTGG	19416
CCGCGGGGGCCCCTGCGCTGGCGGCTGCGGGCTCCCCGCTCACCGCCTCGCAGGAGAGACTGCCGGAAAAC	19417
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CTGACAATTCAGAAACTATGGATGAGCAAAAGGAATCTTCCTGTTTTGTTCATTTTGAGACTACAGAATGGCAT	19419
GGCCCTGCCTTTTAATACTATTATATTGGGTCTTAGGTTCTAATATATGAATTGTGCTGGAGGAGGGATG	19420
TGTATAACCAGGTCCCTTCCCGTGGATATAATTCTTCCCAGGCCTGTTGTGTGAGTTGGTGATGCCATCA	19421
CTGGATGATGACAGGAGGGAACGTGAACTGGGTTTAGCGTCTTCGTATTGCCTAATTTTAAAACCTTTTTGT	19422
AACAGACTGGTTTGGGAGGGGCCCAATAGCTAAATTTAGCTATTTCCCTCATCCCACATTTTGTATGTAG	19423
TCCTTTTGTCCAGGGACCGCTCTCTCCTGCGCTCGGGGGAGCGTGCGCGCCTCCGGTCGGTGGACTTGGCCCTG	19424
CAATGATTTCACCCCATAAACACCAATTCTTCTATCTTGTTCAGGAAATGGTGATTATGGTGCAAAACAA	19425
AAGACAATCAACAGTTTTTGATTTTAGGGATATTTCCTAAAAACCTTAATATTGGAATTATCTGTGTGTGACA	19426
TTATCCAGAGAAATACTGGTTGTGTGTCTTACTTTGACACTGTTGTTAACTCTCAATTTGTGCTTTTTAGGGTA	19427
GACCCGCTGCCGCGCTGTGACCTTTCACCCCGCCCCTCGCGCGCCGGCGCGCCGCCGCCTCACGCGCAGCCGCA	19428
TAAGTCAATGAGATGATATATATATAAAGTCTGTCACGGCAGAGGTGAGTATATTTACTCAGTCATTTAAAATT	19429
TCTAGTCTTTGACTAAAGCCAGGTGTAGAAGAGTAGGGAGCCTATTCTATCTACTCTCATGTGAAAGATTCT	19430

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Table 1. Novel miRNA sequences

GGAATTTTGTTAAAATGCAGAATCCATTTCTGTAGCTCTGAGACTAGACCTGAGGTTGTGCATTTCTAACAAAGTGCC	19431
CTGATAAAAATTTATTGTGGCTGGGTGAGGTGGCACATGCCTGTAATCCCAGGATTTATAAGAGCTGATTCAG	19432
GGGCCGACTCTAGTACTCGGCGCGCGCGCCGCCGCGTCGCCGACCAGCCTGCGGCCCCCGCATCAATCATT	19433
CCCCGGCCGCCTGCGCACCCGGCAGCACCATGACAGGTACCGCCGCGCAGCCCGCCGCCGCCAGCCCCGGG	19434
TCATTCTGCAAGGAGGGCATTGATAATCTTACATAATTCATTGTGTGATTTACAAGCTATTTTGAGATAT	19435
TGCTTGGTGGCTCATGGTATGCACACAGTGGCAGCTGAGGTTCATTGTTGTTATCATTCTGCACTTCTGCAA	19436
GGATTTAAGGCAAGAAAGTATAGGCTAACTCTAGTGTTTTATGCAAATGCTATCAGGACTGCCATTATCTA	19437
GTAAACTTAGGTGAGGGCTAAAAGAGATGCCTCACTGTTGTGTAGTGGGGATTGATGAATACCTGGGAAGT	19438
GGGCATAAGGCTTAAGATCATGGTTTTGAAATCACACAGATCAAAATTGAACTCCTAGCTTTCCCACTTAGTA	19439
CACTCACCGGCCCCATCGCGGATGTCCCAGTCGATCACAGACGCGGACCGCGCGGAGGCCGCACACTTGTGG	19440
GGGCCGGCCGCGGGGTGCACTCACCGCCTCGCAGGCGCACAGCACGCAGCGCATCACCCCGAATGGCTCCCCT	19441
GCATTACTTCACCCCCCTCTTAAAGGTAGAGATGGGGTTTATTTAATGCAGGTACTGTTACAATACAACTGA	19442
AGCCCTGTGACTAGCTTTGACTAAAATAAATGTGGCACAAATGATGCTGTGTGATTTCTGAGACTAGGTCAT	19443
TTTCTTATCTGTCAGAACTTATGATGAGATTCTGAAGGCACTGGCAGAATTTATCAACCTTGACATTATTGATA	19444
ACTAAGGCCCGTGATGAGTTCTCTGAGGGCCTCAGGAGGGACATGCAGGGGACAGTCACACTGGCGGTGGGAGC	19445
TTACTTAGCACCATGCTCGGCACTGTGGGAGATACCCCTTCTCCAGTCTGTTGATAATTTGGGGAAAAGAGGC	19446
ATCCCCAGATTTCATATCTATAAATTGAGGATAATTACATTTTTCCTAATTTTCAGAGTTGGGAGAATCAA	19447
GCATGGTCCATGTTTGCTGGCTTGCCACCTTCTGACTTCATGAGAGTTCATACCAAGGGACAGTTCTCAGGGCT	19448
ATATATATATATATATATATATATATATATATATATATATATATATATATAAACTCCCTTTATTTTTACAAC	19449
AGGATGGGCCACATCTGTAGTATTTAAGGGTTTAGAGGAATACGGAGAATCACATAGTTCCATCTCATATTA	19450
GGAGTGCAGTGGCTATTCATAGGCATGATCCCACTACTGATCAGCACCGGAGTTTTGACCTGCTCTACTTC	19451
GCCACCGGAGCGGCCCGGCGACGCGCTGACAGCTTCCCCTGCCCTTCCCGTCGGTCGGGCCGCCAGCCGCCGC	19452
CTGGGATCAACATTCAGGAAGGGACAAGCTATTATCTCAGCACTGCTTTCCCTGAAGGATGACCATAATGAA	19453
TGCTGGCCATATGAAGACATGCCTTGCTTCCCCTTTGCCTTCTGCCATGGTTGTAAGTTTCCTGAGGCCTCCA	19454
CGGCGAACGCTCCGCGCGGCTCCCGCCGCCCGCCGGGGAATGCGCAGGGCCGCGGTTCCGCGCGGCGCCGACC	19455
GATGCTTGTGTCTAACAGCTGTCCGGCTCAGTCAGTGCACAGTGCTCTGAATGTCTTGGCTTTTAGTTCAA	19456
GGAGCACTGGACTTAGAGTCAGAAGGCATGGCCTTTTCTCTTTTGTCAATCAATGTGACATTTAGATTTTCAT	19457
TGCAGGTGTTTAGCAGCTGGGTGCCCAAGTGTGCACTGTTTCAGCTTGACTTTTTATTATACAAGTGCATGC	19458
GAAGGAAACAGGTGAGCTCCCACCGCCACCCATGGGAAACCCAGCGCAGCGGCCCCCGGCGCGCCACCGTC	19459

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Table 1. Novel miRNA sequences

TTTATCACAATCGAGCTTAGGTCTGAAACATTGCAGAGACACAGGCAATGTTTGTAAGACAAATGAGGAAG	19460
TTAAGGCTGAGACGGCACTTCCTAGAGATCCTATTACATCTGAACTCTGAGATTAGGACCAGGACAGCTGCAG	19461
CAGGGAGGGAGGAGGGAGGTGGGTAGGATGCCAGGAACCGCCTGCTCCACAGCCTGGGGAAGGAGGGAAGAGT	19462
CTTCCTTCTTGGGGTTACATGAAAATGGATCTCTGTGGTGCAGCTAGGGCTCCACCCCTACAGAAAGGAATA	19463
CCAGTAGAGCCAGAGCAGCAATGGCTTGGAGACGTGCTGGTCATCCTATAGCCAGCAAATCAAGTTCCTCACT	19464
AGTTTGATCCTGTGGGCTGATGATGAAAGATGGTCTGAACTCACAGCATCACTAGGTCACTTACATGAAAGTTT	19465
AGGATAGGCAACGAAAGTGCAGAGTTGATTCAACAGAGTCTGCAGTTTAAAAGCTTCTACGTTTACCTTAGT	19466
CCGTTTATGTGTCCCTTGTGAGATCAGAAATGTTTCTCCACTTACAGGTGGATAACCTGCAGTGGGAATGAA	19467
TGAGCACATCAGCTCAAAAATGATGAAACTGTTCTGAATGACAGTCAGTTGGAGCTTAAAGCCACACACATTTG	19468
CCACATGCTGCAAACTCAAATACCTACAGCCGGGTCATGTTCAAACTTTGCTGTTTTTTGTTTGTTTGTTTGT	19469
ACAGCCAGAGGTTCAGTTTCGTTACAGACTTACTGTGTGGTAACATTACATACTGAGAGACGGAGTAGGAAAGG	19470
AGTAATGTGGTATTACGTATTATGAGTCATCTAGAGATGAGCTAAAGTATATGGGTGGCTGTGTACAGGTTTT	19471
TTTTTCAGGGAGGGAGCACAATGATGATTTTCTGAGTGTGTGAATGTAAGCATGTTTTCTCGTTGGTGACTCA	19472
TGTACCAATTCGGCTCAGTCTAATCCCTTTTGTGATCATTCGTAGGCTAGGCTTAGGGTTAGGATAATGAT	19473
GTTAAGAGAGGATTAAATTCTAACATATGAATGTTGGAAGGATACCAACATTCAGGCGATAGCCACTCATGATA	19474
GTTGACTTCTCTTGGGGTGATCAGCCACGTGACCCTAGCCACCCGCCTCCTTTACACTACGCCCCAGGATCC	19475
GCCCCACCATTCCACTTCCTTTCTGTGCAATGCCTGAGAAAGCTCACAAGAAAGGCTGGGTATTTTCTTC	19476
TTTGTACTATATCCTTTTTAGGAGGTCATGAATGATTTCAGCATTACCTTGGGAATTAGTTTAGGACTGTAAAG	19477
TGTGTTTGTGTGTGCGCGCGCGCGCGTGTGTTGTGCGGCGCGCGGGCGAGCGCGTGTGTGCGCGCGAGAGCT	19478
GAGAACCTCCCATCTTCCTACTCTTCTCAGAGTTTCTGTAGACCTGGCCAGAGAAGTGAGGAAATGAGAGC	19479
GCAGCCGGTGGGAGGGGAAACGCGGCCGCCCAAGAGCCCCGGGCCGGTCGCGCCGCCCTTGTCCCCGGAGTG	19480
GCACACAGCCCCTTCACTCTTCCCGGCCCATGCACCAGGGAGAGGACACGAGGTGGAGTGGCCTGGCCCCTC	19481
CTATGACATTCTGGATAAGGCAAAACTTGGAGTTAGGAAGAGCAGTGGTTGCCATGGTTTAGGGTAGAGA	19482
GATCAGAAGATTCCAGGTTCGACTCCTGGCTGGCTCGGTGTAAGCAGGGTCGTTTTACAACTTTCTGACTCC	19483
TATCAGATGGGATATCCTGACTTTGTCTTCCAGGAAGAAGCCTGGTTGTTCCAACCTGATCAGACTTTTTCTCT	19484
TGCCTCCCCGACTCACCCCTTAGGTTGCCAGATCATACACCCGCCCTGGGAAGGGGGCATCAGGTACCGGGGC	19485
CACCTCTCACTATGTCCCTTCAGCTTCTATCTTTGTATGGCCTGTTCTTTCTTAGGTTATGATTGTAGAGTGAT	19486
GCTCTCTCAGGAAGTCCCATCTCCAGGTGAAGGGGAGAACATCACATCAAGGGATCAGCCCACAGGACAAA	19487
TCCCCAAAAATTCACATATTGAAGCCCTATTCCAATATGATGGTATTTGGAGATGGGACCTGTGATATTG	19488
TTTGGATGGGTGTAGAATTAAAACAGGATGCTATGAATTGTGATCGTGTGATCCATCCCCCATTTGCTATGC	19489
TCTGCAACAACTAAGGACTGCAAAACCCTACTTTGCATCAACTGAACACAATTAGTTGCGGCAATAAAAATA	19490

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Table 1. Novel miRNA sequences

CTCTGCGCAGAGCTGCGGCGCGCCGGGCCCGGGTCCCCCACCCGCAGCGCCCCGCCGGGCCCGGCCTGGCGG	19491
GGTATGGAGGTGAAGAGAGTTTATAGGCCCCTGTCACGAATGAGGGAAGCACGGGAAAGCACTCTGCCCATTTC	19492
AGTGAGGTCAATGATGAGCACCTCCAGCAGCTTCATTGCTGGAAGATGCTGACGAGCAGAACTGGGACCTG	19493
TCTCATTGTTCAATTCCCACCTATGAGTGAGAACACGTGGTGTTTGCTGAACGCGCCCGATCTCGTCCAAAT	19494
CTGGCTGGTGGGAAGAAGTTCCAGTTGCGGCTCCATGTGAGCTCCAAGGATTTCGCCTCTAATCCTTTAGA	19495
TGGATGAAATGAAGAAGAGGAGCTGGCATTCCCATGGTCCAGAGCCCCGCCTCTAACCCTCATTCTCTGCTCA	19496
GGGTGGTGACGGCCCCCGGCGGGAGCCCGGCGAGACGGCGGCCGCCGCGGGGCCCGAGGACACGGACCCT	19497
CCTGGGACAGGGTGATCTGAGATGCCTGGTTCTTTGGCTATCAGAAATTAAAACAAAGCAAGCTATCGTAAGG	19498
CCTGTGTAAGCAGGAAATGAAAACCAAGGTTGTTTTGTAAGCTGCCTACAATTTTAAGGTGTGCTTTACA	19499
GCTTGCCTATTTCATAAATATTGATGAATACCTGTTGAGGTCAGGTGCTGTGTTGGGGACTGGGAATCCC	19500
GCGGCGCCGACGAGCCCTGCGCCCTCCGCGGCCGCCCGGCGCGAGCTCCCGGGCGGGGCGCTGTCCAGCGCGCA	19501
TCTGTGAGTGACAGGTTAACTCTAAATCAACACCTCTTCATTTGGAGTTTCCTCCTGTCTGAATTTTAATT	19502
CCAGAGGGAGATTTGACATGCAAGTTCCTTGGCAGCGGCAAGCCAAGGAATGCCAGGAGCTAACACAAGCTGG	19503
GCCAGCAGTCAGCCGGCCGGAGACAGAGACTTCACGACTCCCAGTCTCCTCCTCGCCGCGGCCGCCGCCTCCTC	19504
CTCCGTCCCGGCGTCTCCAAAACTGAATGAGCGAGCGGCGCGTAGGGCGCGCGGCGGCGGCGGCGGCGGCGGCG	19505
GGCCAATCGCAGCAAATCAATGGGTTTGAGCAACACTACGTTTGCTAATATAAAATTGTGTTTGGGCGGAAC	19506
AGGACAAGACAAATTACAGATTGTCTCAGAGAAAACAAATGAGTTACTCTCTCGGACAAGCTGTAGGTCCTACC	19507
GATGTGCAGTAACTTGGCCAACTTCACACCCAGCTGCTAAGTGGGAGAACTTGGATCTGAACCCAGGGAATGAG	19508
CCGAAGCGCCCTGCGGACCCGCAGCCTGGGCCGCCCCGAACCTGACGGCCCCGCGGGGGTCGGACGCGGG	19509
GGTCAACAAATGCTCCAAAAATGATGCCCCTTTAGACGGGCATCTGCCACACTCTAAAAATCGTCATAACAAAA	19510
CGCGGGGCCCGTCCGCTCCTCCAGCCGCTGCCTCCCAGGCGGCGCTCGCCGGCGCGGCGGCAAAGACTGAGA	19511
GGTCCACTCTATTCTACAGCATAATTTTAGCACTGAATTTTGCATAAGTATAAGGGAGATAAAGTGAGGCCCCC	19512
GGTCCCTCAGCGCCGGCTTGTTGCCCAGGGCACACAGGTAGCACCAGGGTGGGTTCACTGTGGCTCCTACTCT	19513
AACCAAGTCAGAGGAGGAGAAGAAATAGGGGGGATAGTGGTTCTCACACAGATCCAGGTGCTATTTCTTC	19514
CTCATCCTTCCCCATTCCCTGTAGCTCTTCTCTTGCGTAATTAGCCCATAGGGATTGTAGCCACAGTCCAGG	19515
GGGACTGCATCTTCCGACTTGTCCACAGCAGATGAGGACAGTGAGAATTAAGTTAGATCCGAGACTGCGAAGAG	19516
TCCTGTGTCTGCTGGGATCCTTTTGATGTTGAAGCGTCTTGGAGTAGACAATAGAGGATTTTCATATGGTGGA	19517
TCATGTCACTCACCTGGCCAGAGAACTTTGGGAGTATCCCAATGGCTCCTGCATGCCTCTTGGTACACACATG	19518
CGCTTCACGAGGAAATTTGAGACTAGCTCAAGCTTTGGTAAACCCGCGTATGAATTGTCTGGAGATGCCTGGGG	19519
ATTCACATGGGATATCAGTGAAATACAAAACCTGGCTAAATTTAACCAGCTAACAACCATGTGAATGAAGA	19520
GCAATCCCCCCGTGTCAGCCTCCCAAAGTGCTCCATATTTTTTGTTTGGGTTTTAAGTGGGAGGTGAGGGGA	19521

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Table 1. Novel miRNA sequences

TGATCCTGAAGTGCGGAAGGATAAGTTAAATGGCTTAATAGATCCTGGCAGCTTCGGAAAGGACTAATGGCTCA	19522
AGGAGATAAGTCGTAACATGGTAAGCGTACTGGAAAGTGCACTTGGACGAACCAAGGTGTAGCTTAACAT	19523
TTCCTGTTCCATGATACTTCTTGCTCTTTTGTTAAGAGAACGTTGGAACAATTTCAATTGAACACTGGAACCAC	19524
CGACACGGGGCGGGGGCGCCTCGGGCGCGCTGGCTGGGGGCCCGCGGGGCGCCGCTCCGCAGTGGAAGGGGGCA	19525
TTAAAACTGAAAAGGCTTATGACAAGGTAGTTGCCTTGTTTATCTGAATTATAAAACTGAGCCCAATTTCA	19526
ATGTCATGAAATGACACTGGAGCTTGGAGCCAGAAGGCCCAGGGTCAAGTTCAAGTTGCAAGATTCCACCTGC	19527
AGGGCTGGCTCTGCTGGGTGATCTGGGCTGTGTCCCACCACTCTGTCCATATGATGACTCCCGTTTCTGAACCC	19528
CGTCCCCTCCGGCTGGGTTAGCCGCCCCGCCTCCGGCCGCCCCCGTCGCCGCCGGCCAGCCGCCCCCGCC	19529
CCCAGCGCCACTCATGGGGGGGCCCAAGTCCTTCTGATCGAGGTGGGAAATGTGGCGTACGGAAAACTGGATATT	19530
AAAGCGGGAGCAACCCAGGTCTCCATCCACACACAAAGGGATCAGCAAAATGTGGGATACATGGACAGCGAGC	19531
GGCCCCTTCTGCTCGAGGCCCCGCCCCGCCCCCACGGGCCCCTCCTCCCAGGGCCCCACCCCCCTCTCC	19532
AAATTAAATGAAGAGCCAGCAAATTAGTGAAATTGTACAGATGTGTGATAACTGACTTCAGTCACTGAGCTG	19533
CCTCATTCTGTTGCCCAGGTAGTAGTGCAGTGGCGGTATCTCGGCTCACTGCAACTCCAACCTCCTGGACTC	19534
TTCCCCTCCCTGTGTCCAAGCGTTCAATTCTCATCTATGAGTGAGAACATGGGGTATTTGGTTTTCTGTCCT	19535
CCCCTTATGATACTGAGTCTTAAGCATTGTTGATGGAAGCAAGGGGCATGGAGAGTGTTACAGTGTTACCTTA	19536
TGCATCTTAGAAGCTCTATGAATTTATATGCTTACATAAAAAGCATTAGTTAATAGTAGAGATGTTACTGC	19537
GAAATACAGACAATGCCAGTGACAGCTGCCCACTCCATAATGATGTGGACCTGACTTGCTTTTGTTGGTTA	19538
AGGTTGTCCTCTCCATTATTAAAGTCTCCTATCATTTTGGTGGTGGTCTCTATTCCTCCTTTATTTTTATTTA	19539
GAGAAATGGAGGGCAGCGCAGGTGGGCCGGCACTGCTGGGAGACCCGACGCACCCTCAGCAGCTGCTGGCC	19540
TGGTGGGAGTGGGAGAGAATTGTGGCTGGAAATCTGAAGTTCAGTGTGTAGGTTTCCACTTGAGTTTTTAGTAC	19541
GGTCACCCCCGCCCCTTCTCCATTCAACGCCGCGCGGGGGCGCAGGGCGCGCGGGGCGGGGCGGGGCGGGG	19542
GAACAGGAGTTGCTTCCATGTTTTAGCTATTGTGAATAACACTACTGTGAACATGGGTATACCCTCATGTTCT	19543
CAGCGGCGGCGGCGGCGCGGGGGGGTGAGTACGAACTCGGGGACGCCCCCTCCCTAGCTTCCTGCTGCTC	19544
GTCATTGGATATCCACGGGAGGGGGGGTAGGGGGGGATAAACCTTATACAGAAATTAACCCAAAATGGATCAGTTG	19545
AGCAGGGAGCTTTGTGCCCCTCTCGAGGCAGAGCCCCGGGGCTCTTTTTACAGGCAGAGCTTAGAACC	19546
GCAGCCAGGTGCCGAGCGCGGGGCCCCACCTCCGAAGGCGGAGGAGGGGCCGCGGGCGGTGACGCGCCGAGGGC	19547
CCCGCCCCCTCCCCGTGGGAGCGCCCCTCATCCGGAGCTCGGCTTCGGGTTTCTCCAGCGGCTGCCCCCTC	19548
TTCGCCCAGCTCATCCTCGCACCACTGCGCCTGCGGCGCGCGCCGGCCGAGCCCCTCCGTGGTTCA	19549
GCATGGCTCCCCGCCTGGAAAGGAAAGCAGAGAAAAACCTCTCCCATCCCCAGTTATAAAACGGCGGGTCAGCA	19550
TCGGCTTCCTGTGATGAGACTGAGGCCTCGCGCTGCTGATTGAGCAGCCCAGAAGTGAGTGTGCGTCTTTCTCA	19551
GGCAGGGCCGGCTCACGGCCCCGCAGGGCTCGGCCCCTGCACACGGCAGCGCTGCCCCAGCCACCCGCCCC	19552

Table 1. Novel miRNA sequences

CTCAATGAAAGCGATCCCTTTCTGATTTGACAGTCAAGGGGTGGAAGGGACTCTAAAATACTCTCCAGTGAGG	19553
ACATTTATTTTCTGCATTCTCCCTGGCAACTACCTGTCCCTGGAGAGGAATTGAAAAACCTAGGCAGCTGTAG	19554
TGCTTTACACGCAGAAGGTCCTGGGTTCAAGCCCCAGTGGAACCATGGTGTGGTCTGTTGTTTTCCTGCC	19555
CAGGAGCAGTGAGAAGCCACCCGCAGTCTTTAAGCAGAGCAGTGATGTGAGCTGAGCTCTTTCTCCAGCCTGGG	19556
ACATGAGCATGGAGGAAATTCCATGTGAGGACACAGCAAGAAGGCAGCTGTCTGCAAGCAAGGAAAAGAGCC	19557
TAGATTAATGGGGCTCAGAGGTGCAGGAACTGGAATTTGGGGAATTAAATGAGACCCTAGTATGTTTAGA	19558
AGTTTCCCCACGCCTAGCCCTTTAAAAAAAATAGACATGAGGTCTTACTATGTTGCCCTGGCTGGTCTAAACTC	19559
CATGGGCGGGCCAGGGGAATCCGGCTAAGGGGCTCTTCAGATGTGGGGATGACCCGGCAACAGCACCTGCG	19560
CCTTTTTTCCATTTCCTAATGATGTCCACAGTTGAAGTGCAAACTGACTACAGCTGAGTATTTAAGTGGAA	19561
TCCACATTGGCTGCAAAGGTCATGAGCTGCTTTCCTGCAAATGCATCTCCATCTGGGATTGAATGTCCTTTG	19562
ACCATGCTGATGATGAAAGATTCTGAGGCTATAGCCCCACTTGTTTGAGGACGCAGCCAGGAATTGTGCATGT	19563
AATAGCTATAAAACGTGGTATACTGTCTCTTAAGTGCTATATGAGTGGCAGGGTAATTTGGGTAGTCTTAGAA	19564
ATCCTACTGAAACTATTCCAAAAAAATTGAAGAGGAGAGGCTCCTCCCTAACTTATTTTAGGAAGCCAACATCAG	19565
TGGGGGTAAGGCCAGCCTGAGCCTGAATCTAAGCACACCGGGCAATTTACTTGACCACTCTGACCCTCAG	19566
AGGTCCCCCAGCTGCGGCGGGGCGGCCCTTCTCATGTTGAGCAAAGTGTGAGTGTGAGGAAGGTACAGGCGCA	19567
ACAAATTAACTGTCCAATCAGAGAATTGGGGTGACCTGCAGCTAATGCAGCGCCTGAAGAGGAGAGCACCT	19568
TTGTGCAGATCCCAGACGAGCCCCCAAACATGTTGTGGGATATTTGGGGTGTTGCTTTTCTGGCCAGAAAC	19569
GTTTTTATGTGGTTTTGAAATCGGGGTAATACTGGCCTCAGAGGAAGAGTTGAAGGTGTTCCTCTCTTTTCAG	19570
AGCCCAGACCCCAGGGGCCGGGCATCCCACAGCTCTCCTCACTGAGCCCCTGGGCCTATCCGCCCACGCCCA	19571
AAAGTTATTTTTACCCACTTTGGAATGCCAGTTCGGAACAGCCTCTGGCATCTTGGAAGGCACTGTACAGGTA	19572
ATCCTCAGGACCTCTGGTTAGCCAGGATGTTGCCAGCAGTGGGAACAGGTGTTGTCTTCTTGGGTTCAAGGTTA	19573
AAGGCTGTACCCTATCAATAGACTAATGTCATTATCACTGGAATGGGGTTCATTATTGCAGGGGTGAGCTTTCCC	19574
TTTGGGCATCTGCAGAGGGCGAGGAACTGGTCACGGCGCCGGGTGGGCTTGCAGCTGTGACGCTTATGTG	19575
AGTGGGACTGAGTGGGGTAGAGGGGAGGCGAAAGGCTCCTGGGACCCGCGATCCCCCCTCAGCCCCCTCAG	19576
CATGGGTTCAGTTGAGATGCCAGGATTTTATAAAGCCTGTGATTCTGAGAGTCCTTTGTTCTCAAGCCTGTG	19577
CCCCAGCGCTCCTGTCTTGGCGGATCTTTCCCGCAAAGGGGTGAGGCCGGCCTTCCCATTTGACAGCTGGGAA	19578
CACGTCTGTATCATTTACTTACATGTTGTCCGTAGCTGCTTTGCACTACAATAGCAGAGTTGAGTAGTTACA	19579
AGTATGCATCTGAGAGTAATCAGCATAGAGTTTGTATAACCGCAGCATTGAGAACAGATGCATTCACCTG	19580
GACCCAGTGTATCCAACTCATGTGCTCAAGCCATGTGGACTTGCCACAGCATCACCTTGGGAATACTTGCAA	19581
AAACTGTATGTCTGTTGGAATTGCATATGTGCAATTGCAGTCCTAATACAATTACACTTATGAAATGGATA	19582
GCCTCCCAGTGCTGGGCTATATCTATCGAGTGTCCAGCGTGAGATGAGATCTGGCTCTGAGCCGAGGGC	19583

Table 1. Novel miRNA sequences

CACCCAATTAAAACACCTAATTATAGGGTAGGCTGGAGCCAGGAGGTGGGCTCTGTTGGTGGCCCTGAAGCCGG	19584
ACCTCGGTCCACTCCAGAACACCACTGTCCTACTTAACTGTTAAAGTAAAGAGTTTTGATAACTGAAGTGGACA	19585
CGCAGCCGCCCGCGCTCACCTGGCCCGGACACGGGCTCCGCCACGCGGTGATGGAAGCTGAGCCTAGAGAG	19586
GGCCTCCCACCCCCCGCGCCCGGCTTCCACCATGACGGTGATGTCTGGGGAGAACGTGGACGAGGCTTCGG	19587
CAAGCCTCAACACATTGAGGTGACTCACCACACAACCTCACGGGGGCTGGAATCGGGTCATATACTCACAGGCT	19588
TGGAGTGCAGTGGCTATTCACAGGCGATCCAACTACTGATCAGCACCGGAGTTATGACCTGCTCTGCTTCC	19589
GACGCCCGGCCTTCCCTGAGGAGGGGGCGCGGCTCCGGCCGGGCACGCGCAGTCGGGCCCGGGGGCGGGGGC	19590
AATTGCTCAGGAAAAAATCTGGTGAAATGGGACCACTGGCGGCCAAATACCTGCCCCACCCCCAGCACCGCAGT	19591
ATGACCTTGAACCACAGCATAGAACATTGAGCCTAGACTTTGAGGGTCCCGAGTGCGTACCATGTGGGGAAAG	19592
AAGCATGGTGTTTATTGAGTACTTACATATTGAGGCATTCCACTCTTGGAAGCCAGCCGCAGTGCTTTAAAGGA	19593
TAGGGTATCTGGCAGAAGAAAATTTCTAAGTGGCAAAGCATTCAACATGTGACCTGAGTGCTTCTAACAGCATA	19594
ATTTCATGGCAGAGGAGATTGATGAGTACCTGGGTATAGGCTGCAATCTCATAGTCTGGATTGCTGATTTGAA	19595
ACCAATATGGTCGCTATAGTGTTTGGTTCACAAACGAACATGTAAACTCTAGTGCACAGCATAATTTTGAGTCA	19596
TGCTATCCCTGGAGCTACTGTAGGCTGTCTATGAGGGAGAGGGTGTTTCCTCTATATTAACCAGCATGAGTTCC	19597
TGGCTTCTCCTCCCCACGCCCTGCCCACTGGCCCCTCCAGTTTCCAGGTTGTGATGTCTCTGAACCTTGGGGCC	19598
GCTGCCTAAGGAAGGCTGAAGGGCTGCGTGGCACTCGGAGAGGCTACCACCTTGGAGGCTGCTGGCAGGCGGA	19599
CATGATAGCCAGACCAGGGAGGAATCGCTTTTCTCCATAATTGGAAATACCACCGAGAGCTAATTTCTCCCCA	19600
ACCGCGCCCGGCCCTTCTTTTTTATTTTTGAGACAGAGTCTTGCTCTGTCACCCAGGCTGGAGTGCAGTAAGTG	19601
CTGGGGTGGGCGCGCCGCGGCCGGTCCGCACCCTGGACTGGAGCCCGGGGCGGGAGCCCCCTCCCCAG	19602
CTGGTGAAAAAGTCACTTCTTCCATTTTTTTTGAATTTGCTTTAGTAGAGGAGGACTTTTTCCTAAAGATGTATC	19603
CACGCGCGCCCCGCACCCGCCCCCCGTGCGGCCCCCGGCTCGGGGCGGCGGGGGCCGGGGGGCGCG	19604
TTAAAGTTTTTGAAGAAACTCTATGGCCTAATTCCTCTAGGCATGAGTTCTTTATATGTAAAATAATTTTAA	19605
ACAATGTATAGTCATCAGATCAAGGATATTAGCATATCTGTCATCTGAAATATTGATCATTTTTTTGTGTTGG	19606
CCGGGGCGCGCGGGGGCGGGGCGGCGCGCGGGGAGCGTGTGGGCCGGGCGGGCGCGGCGGGGAAA	19607
ACAAAAATAGGCAGCAGGCTGGACTTGGCTGGTGGACCATACTTTTCCCACTCCTGTTCTATAGTCCAGAGAGA	19608
ACCAGGATACCACAGTACATCAAGAAGAACAGGTGTTGGGGACCAGCCTCATCACCACCCATAGGGTATCC	19609
TCTCTTCCCTTGGATAGCTTGGGCTTCCTCACAGCCTGATAACTGAATTCCAAGGGTTAGTATTCTGAGACACA	19610
AACAGGTGAGGCTTTTGGGAGATGAGGCCATGTGGGCCTCATGAATGGGATAAGCTCCCTTATAAAAAAGGCTT	19611
AAATAATATTGTTGAACCTGATGGTATTTGTACTTTCTGAACTAAGCAGATATTATCTTTTAATATTTATCTTA	19612
ATGGCCTTCAGATTCTTCTTTGGTGATTAATTTTCCCTGGTTGATGAGATTTCTGACAGGGAGCTGAAGGCAAT	19613
TTATTTTGGCCAGAGATCATGGAGGAAAAATCATATTTTCAAAATATGGGTGCAACAATAGGCCCTGGCCCA	19614

Table 1. Novel miRNA sequences

TAAACAATATTGATAAATCAAGTTTTATTTTTTAAACTCTCTTTAAAAAATCTATCTAGTACTTGATTTTCAAT	19615
ATACAATGCCAGGATGGAAGGAAGCCAAATAAAGAATGGAGATTCCCCACACCAGCCTTTCTGATTTTGTAA	19616
GTGTGTGGGATAGTAGTGTGCATGTGGGCATTTGCTATTTGATTACTTGCAGGCTCTATATTAAATTACTAAT	19617
GGGTGGCTTGAGGGCACTGCGGAGCTTGCACATGTGAGCTGAGTGCCCACACATGTGTGCTCAAGGCCCTTCC	19618
TAGCTGGAAATCAGGGGTGAAATTATTTGCCAAGGCCAGAATGTATAACAAATGCCCCTGGGAGCCGAGGA	19619
CCTTTTCCTCTGGGTGGCAGTGATGATTGGCCTGAGCCTGTTATGAGATGCTTCATTCCCAGCCTCCCTTGCAG	19620
CGGGGGCCGCAAGCGGTGGCGGCGGCGGCGGGGGCGGCGCCGGCTCCCGCAGCTCCATCGACAGCCAGGCCAGC	19621
TAAAGGGTGGAGGTTGGAAAGGTCTGGCGAGAGCCACAGCCTGGCCTTGCAGGAGCCAGCTCCGACCTGTGACC	19622
GGTTTTGGCTGAGCTGAGAACCACTGTGCTAACTGGGGACACAGTGATTGGCAGCTCTACAAAAACCATGCTCC	19623
AAAATCATATTAATATATTTTTTTTGTAGCTCCACAGTTGCTTGAAGCCCTGAAAACTGGGGTTACATAAGA	19624
GAATTATGTTAGCTAGGAGAATCTGGAAAAAGTAAGAACTTTTATTCTAAGAATCACCAGCTGATATTCTTT	19625
ATTGAAGGTCCCCTTCGTAACTTGCCCTATGAGATCCAGATTGATGAGATCAAAGGTAATAACTAGGGAGAT	19626
AGTTTGGCGGCGCGGGTCGGCGGCGGGAGAACGAAATGACGGAACCCGGAAGTCGTGGTGGCCATAGCCCGTCG	19627
TTTTTTTCACTTGGTGCTGATGAGGTCAACATAAGTACTAGTTCTGCAAATTGTAAACCTCACTAGGGGAT	19628
AGCAAAATGACATAATGACTTGGCTTCAGAGTCCAAGCTCTAGCTACCTAGTTTTAGTGTTGTGATGTCT	19629
CTCTCAGGTTCTGTGCTGCGAGCGGCGCGAGCCTCTGGCAGCGGGCTCGGCCTTTGCTCGCAGCACTCGGCGCT	19630
GCCACATTAATAAAGGTCAAAATAAACAGGTAAAATTAATCTTTTTTGTTTGTTTGTTTGAGATAGGGTCTCAC	19631
GGTTACAGGGAAGAGCACCGGACTGGGAGTCAGAAGGCTTGAGCCTTTGTCCCAGCAGTGCCACCACATCGCTC	19632
CTCACCTCAGCCCCACAAAGTGCTGGGATTGCAAGCGTGAGCCACCACGTTCAATCTCCACATTTTTTGC	19633
GAAAAGTGGATAGTTGAATGTTTTCGTCAATAATCTTGGTCTTTATCTTTGGTTATCTTCGACTGCGTGTTCAC	19634
TCTTGCATCAAGACTATGTTGTCTTAGTTACCCTAGCTTCTAATAGTTCTTGGTGTTTGTTATGATATGTCTTT	19635
TTCAGCTTCGCAAGATGAAAGTTCTGGAGACTGGTTGCATAACCACCTGAATGTACTTAGCACTACTGAACT	19636
GATATCCATGATTATCTAGACACGGTTCTTGTGACCTACCTTTTAAGAAGCATTGTACATTTGATACATGGTA	19637
CCAAGGTGCTGGGATTAGAGGCATGGGCCACCACACCCGGCCAGCTTTTAAATAAAAAATGTAATAAAAAGTTT	19638
GGCGCCGCGGCGGGCGGCTGCGAGGAGCGGCCGGCGGGCGGCGGCGGCCGGCGGGCGGCGATGGCGGCGGCGGA	19639
TTTCCACATGATGAAACTTCGGCTCACTTCTTGGTGCCTGCCTAATTGTCCAGATTATCACGGGATTATTTCT	19640
CCATATGGGAGGCCGCGGCGGGCAGATCACTCGAGACCAGCCTGGCCAACATATTGAAACCCCGTCTCCACTA	19641
CAGAGGCTGCCCTGCAGATGCTGTCCTGGACCTGTCAGCACCACAGACACAGGTGGCTCTGCTGCGCCTGTAAC	19642
GTGTCGATGAAGAACGCAGCTAGCTGTGAGAACTAATGTGAATTGCAGGACAGATTGATCATCGACACTTC	19643
GCCTTAGAGCCATGGTTTTATGTGTCTGTCTTCCCAACATGGAGGAAGTTCCTGAAGGCTGGAAATTACAT	19644
CACCACCTCCAGCAAGACTCTAGAAGTCACTTGCCAAAGGGCAGCCAGTGAGGGTCTTGTAACAGGGAAGGAC	19645

Table 1. Novel miRNA sequences

CAAGTTAAAGGTTCACTGCTTCTCCATGACCCAAGTCCTGGATTTGCGGAAGCCATTTTCACAAAAGATA	19646
GCCCAAAGTCAATACTAGCCCAAGCCAAAAGCCAAATCTGGCTCCCATGGATAGGTTTCTGGCCCTGACTTT	19647
CCACGATTTAGCTGCACTTTCTTTGGCCTTGGCTTTCTCCAGAGGCTCCAATGATGCCAGGCTGAGGATGTGGT	19648
AAGGGCCGATGATTTTTCCCAAGGTGAGTCAGGTTTGGAATCCCACTTCTGACACCACATATGTCAAAATCA	19649
ATCTTTCTAATGGTTCTGTTATCTGGAAAGACTCAAAGCAGGATTCCCTCTGTAACAAGTGGAGAGAGCGC	19650
ATTATGCAGGCATTAGAAAGTGGTGATTTCAATGTGGTGGCATTCTCCATATGAGAGACACGCTGTAGGGCTT	19651
GGGGGCGCGGGCCGGCCCCAGTCAGCGGGCGGCGGCGGGCGGCGGCGGCGGGCGGCGGGGACCGGGCCGGGGCC	19652
GTTGGAGCTTCAGGAGTGCAGAGATGAGATGATGAGTCATTCCCCCCCACCCCCCGCCCCCCGAAGTTTC	19653
TTTTCTATTATTATTATTTTGTGTGTGGGGGATAAGGTCTCGTTCTGTCACGCAGGCTGGAGTGCAGTGGTGCA	19654
AGGTGGGTAGTGTCCGTGCCGGGTGCCTGCGGGGAATGGGAGTGGCAACCCCGGGCTGATCACTACTGCTCTCC	19655
GGAGCTGGCCCCGCGCGCGGGGGAGGGCTACCAGGCTGGGAAGGAGCGCGAAGGGCTGGGGGCGGAGCCAATGG	19656
TAGCAGCTTAAGACAATAAACATGTTATCCTGTAGTTTCTGTGGGCCAGGAACTCAGGAATGGTGTAGGTTGGT	19657
CTGTCTAGTAAACAGGAGATCCTGGGTTCGAATCCCAGCGGTGCCTGAGTTAGCGGGGAGTGATATATTATTGC	19658
CTGCAGAAGTGACCTGGTGCTAGAAATCTGAAACTAGCATTCCACCGGGATGACAATCCATAATCTCCTCATGC	19659
CATAGGGTGCTCTGGGGCCAGCGTTTCACAATGCTATCGCGTGCACACCCCCCAGATTAAAATACCAAATG	19660
AGAGCCTTGCTGCTTCAAAGTGTGGTTCGCAGACCAGCAGCATCAGCAGCCCCTGAGAGCTTGTTAGAAAT	19661
CTGGGATTACAGGCAGGCTCCACGTTGCCCAGCTAATTAAAAAAAATTTTCGCCCGGCACTGTGGCTCACGCCT	19662
GTGCCGCAGGCTGGAGCGGGCGTCGCGGCCGGGGGCGGTGCCGCCTAGGGGCGGGCGAAGGGCGGGCCGGGGCG	19663
CATCATAGTAGCCTCACTTTTAATCAAACCCAGTCCTGGAAGTAGAAGGAAGGTCAGGAGCTGACACATGCAGA	19664
CAGGTTCCCCTAGAACCTGAGCAGCATTAGCCAGCTTGCCGGCAGGCTTGTCAATGAGCAGTCAGGGGCTCC	19665
CCGGGTAGGGTCTGTCTCCTGGCATCACATCTCCCCCTGCTACCTGCCATGATGCTAGACTCCTGAGCAGAACC	19666
CCAGCTTGTTCTGCCAGCCTCCCACTGGGTACCTTCCAGCTTGCCAGCATTGGACTGTAGCACCATGGCC	19667
TTTCCCAAAAGAGACCTTTGAAGGCCCTAAACATGAAGTACTACGAAGATGTCTTTGTGCGGGCTATTTCAA	19668
ATTCCTGATGGAAACTGTTGTTTTTTGTGCTCTACCTTATGTCTGTGGAATGTAACAGGACATGTATCAGGT	19669
TGGGGTGGAGAGAACACTAGACTTGGAGTCAGAAGGCTACAGTCCTGACAGTTTCACCTGTCATCCCTGCTTCA	19670
CCGCCCCCGCCTCCTCGCCCCCCCCGGCCCGGGGCGCTGGTGCTGGGGGGGGCCGGCGGCGGCGGCGGCGGC	19671
CAGTGGGCGGACGCCAGGAGCTCACGGAGGCGGCACCGCTCCCGAAGTAACGGAGCCCGGAGGGCGCCCA	19672
GGCCCGCGCCACCGGAGCCCCGCGGAGCCGCCGCCGCCGCCGGGGACGGAGCCCAGGTGAGCGCGGCAGTC	19673
TTGGGAGGCTACACCTTCTGTCCTTAAAAGCTTTACAGAAGGCCTGGCTTCCCGACCTTCGCCCCAGGTACC	19674
CCCCATCACCCCGCTACTGAGACTTGGCCAGAGAAACCTCCCCTCCCCCACCAAGAGATGCCAGGGGCAGGGG	19675
TGTGTTACTCTTCTACATTTGGATTTTTGGTTCTTATGACAGGTTATATTTGACCAAACTTGGTCTTGAGGA	19676

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Table 1. Novel miRNA sequences

GTCAGAGGGGGGATGTGCATGCTGGTTGGGGTGGGCTGCCTGTGGACCAATCAGCGTGCACTTCCCCACCCTGAA	19677
CCGGCTCCGCCGCCCGGCCCCGCGTCCGCGACCCCCGGAGCAGACCCCGGAGCCGGCGAGCCGGGCGGGGGC	19678
ACACCAGACGAGACCAAGCTGAGGGAAGAATCTCAGAGCTCAAAGACCAGTTCTTTGAATTAATTCAGTCAGA	19679
CATGGCCTTTTTTTTCTAGCTGCCTCTGCTAAACATTAAGTACATTAACAGGCATGGTAGAGGCAGATAAGA	19680
AAAGACATCAGGTCAAAGTTGTTTAGAAATTCTTCAAAGAGAGTTTGAAGCATTGGACTGTAAAATCCAA	19681
CACATATTTATTCTGGATAATAATAGTCTCAAGTATGCTTCCACTTGGGGAGAAAAAAATGTATGTGTATAT	19682
GTTTGTTGTTGTTTTGGGTTTTTGTTTGTTTGATTTTGTAGACAGAGAGTAAAAAATGACAAACAGAGTCTA	19683
TGGAGCTACTACTATCATCATTTCTAATTAGCTAGTGTAATAATAGTGCTCCTGCAGATGGCTTAGGGCA	19684
AATTAGAAGATATTTGCCCATTATTTTTAGCAGCCCTCGTTGCTATTGAAATTTCTTGTGCTCTTCTCATTCT	19685
GGTTAAGGGCTGAAGAGGGCAGAGCAATCCAGAAAATGAGCCCTGGGAACATGTACCTCATTGAGTTTTG	19686
TCCGGCTGCCCGGGCTGTGGCGCCAACGCCTCGGACGGCCCAGTCCCTTCGCCGCGGGCCGTGGACGCCTGGCT	19687
CACGTCCTCGGTTGCCCTCGGCCGACCCCTTCCCCCACTCGCCGGCCCGAAGCGGGGACCCGGGGAGACC	19688
CCTGGGCACAGTGGGGGGCTTCCCCTGCTCCTTTCACCCTTGGTGACCTCTGACCTTGGCCTCCCAGAGCGGG	19689
AGTCTCCCCAGCTGTACCGCAGGAGGGATGTTCCCCAACTAGGCAGGCCGGTGATGACGCTGAGCGCTTG	19690
GCTCCAGCCCCGATTTCAAGGCAAAGGAGACAGTCTCTGCTCCTGGCTGGCTCGCCAAGAAATGTGGGACAC	19691
TGTTATTATTATTATTATTATTGAGACAGTATATCAGTCTGTTGCCCAGGCTGGAGTACAGTAGCACG	19692
CTTTATCCAAATTAAACCCAAGAACAGGGTGCTGGGGTCGGTATCACACATCATTTGGTGATCGGGAGACA	19693
AAAAGATTGCCCAGCTCCTCCCAGCGGTGCCTCCACCTCACGCCCCAGTGCTGCCGGGCCCAATTTCTGA	19694
TAGCCACACCCCTACTCAGTCCTAAAAGCCTCACAAAACATGAGATCTTATGATATACTGAGGCTGAGGCCAAC	19695
TAGCCTAGTACCTGGCACATAGTAAATGCTGTGTCAATGTTAACCATTTACTGTTGCTACTATTACTAGTTAAA	19696
CAACTCTGCACTACAGAACTTTGAATCAAGAAGTCTTGGCTTGGTTCTTGAGTTTGGGGTTTTGTTTTGCA	19697
TGCGGCCGTGGCCGTGGCGGGAGGAGCCGGAAGCCCCGCCCCCGGGGAGGGGCCGTCCTGCAGGTGAGGGCGC	19698
AATTACAAATCCAGTTGGTCAAAATAGGCCATTTCCTATGTGTGACCTATTCGTGGTATGCCAACTGGAC	19699
TGTACTATAGGCTGACTCAGTCATAAGTTAGGGCTACCCCTATGATGATATAAAGCTGAGGGGAACCTGATGGA	19700
TGATTGTTGGCTATATATAAGATAAGATTATAGTCTTTTTCTAGGACTATACGATTACTTGTAAGTATTAGTTA	19701
ATTCCCTTATCAGAGATCATATTTAATTTGAGGTCTGTTGAAGTTTATCAGACTGGTTCAGAATATGGTCTCTA	19702
AGTATATATATGAGATGGTATATATATGAGATCTCATATATATATATGTGAGGTATATGTGTGTGTGTGTATAT	19703
GGTCAGGGTCGCAGGGGCCGGCGGCGGGCGCCGCGGGGCCGGTGGGAGCCGGCGGGGCGCTGGCGTCCTGCGCG	19704
CTCTTGGCCTCACATGATCCACCTGCCTTAGTCTCCCAACCCAAAGTTCCGGATTACAGGCGTGAGCCATGGG	19705

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Table 1. Novel miRNA sequences

GTGCCTCAGCTACTGCCACAAGAACATGCCCAGCCTAGCCTGCTGGTCCTGGGAGGAGGAGGGGGCAGAGCTGA	19706
CAGCCTGGCTCCAGCCCATAACCATAGATCCTCCTAACCACTGGGTAGCCAAGGCTCTTTAGCCAATGATTC	19707
TCCTTATGTGGGTGTACTACAATTTATTTTATCCATTCACCTGTTGAAGGGTATTTGGCTTGTCTCCCGT	19708
CCCCTGCTCCCCCTCCTCCCCCCTCCCCTGCTCCCCCTCCCAGCCGGCTGAGGCGGGCAGGGCCGGGCGGGGC	19709
TCCGCCCTCGGCCGCGCCGCCGCCGCCACTTCCTGTGCGCGGCGATCCCACAGTTCCGCCGGCGCGCGCGGG	19710
GGTTAGAGATTCTTAACAACTTTTAAAGAGCTATTAACATAGCTCAGGCTACTTGAAGCTGGCCCTAAAGG	19711
CTCCTGGACTCACCAGGGGCAGGCAGCATAGGCCACCATAGGCAGGCAGGCAGGCAGGACGGGGGATCCATCAC	19712
GCCGCCGTCTCCGCCCCGCCTCCCTGGAATTCGGATCCTGCCCGGAGGGGGCGGGCGGGGCCGCGCGCTCT	19713
CTGAGGATGTACCCAGTCAGCCAGGCCTGGAGGGTCTCCAGGGTCCTGGAGGCGGGAGAGATATGTGCGGGG	19714
CCTGCACAGTGTCCGGCTCATCCTAGGAACGCAACTGATGTTAAGCTGAATGATGAGGGCTCTGAGAAGCAT	19715
CATTCACCTCTTAGATCCTGCTGATGACTTCTGAAGGACCCTAGGGCCACCAGGCAGGGAAGGGCTCCAAGGTG	19716
TTGTGCCCAGCACAGGGCAGGCTCTCAGCAAACACTTGGGCGGGTGAGCAGGCGAATGAATGAATGAAGAAAGG	19717
ACAAGTTTAATAAGCTCCCTTCCCCCCACCCCCAAAAAAGAGAGGAGGGGCTATCAGAGATTAAATGAAACTG	19718
CCAATTAGCTGAGCATGATGGTACACGCCCAGGGTCCCAGTACTTTGGGAGGCTGAGGTGGGAGGATCACTG	19719
AAAATCAGCAATCTGTACTAGTCAGGTCTTGCTGAACGAAGCCCCTTTCTGATTTGTCATGCATGCTTGA	19720
TCATGCCCAGCGGATATTTTTTATTTTTATTTTTTTTTGAGATGGGGTTTCACTCTGCTGGAGTACAGTGGTG	19721
CGAGGCCCGAGGGGCCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGGGGCTTCC	19722
CCTGGAAAGCAGGATATCATGACTGGGTGCCGCACCCCTGGGTCTCCAGGTCCTAAGATAAGAGCCAGGAGT	19723
TTCCTGCACGCAGGGCCGCCAAGGCAATGGGCGGGGTACCACAGCCGAGCCTTGTCTCCCTGCAGGTGTTCGG	19724
CAGAGCTATGATTTGCTGTTTCCTTTTGCAGCAAAATGCCACTGTCCTCTCCCACATTTTCTCGTATGCTGATA	19725
TAGTGGGGAAATCTGGCAGCACAGACAGGCCCTTTGCTTTGGGCTTGGTGGAGGTTGGGTAGAGCTGGGCTGGG	19726
CAGGGCAGGTCTCACAGCTGAACAGGGAGGCCTCCTTAACAACTGTTTCAGCACTGACTGGTTAAATATTAAA	19727
GATTGTCCGTAAAGGATTTTATTCCTCCTTCGCTTACGAAGCTTAGTTTGGCTGGATGTGAAATTCTGGGTTGA	19728
TTGGTTTCTATATTTGCATTTTCATTCAGTGATGTCATAAGATTTCAACATGAGATGCATATATATCCTATTAA	19729
ACAGCAGTTTTGGACCTTGCCTGAACCAAAGGGAAGCCCAGTGCTCTGAAGGGGAGTCCCAGGCCAGGCA	19730
AGGTCCTCAATAAGTATTTGTTGAAAGAATAAATAAACCAACAAGTCTTATTTGAGCACCTGTTATGTG	19731
CCTCACATGGCAAAAGGGACAGAAGGGCAAAAGGGCCTAGCTAGTTCCCTCAGCCCTTTCACAAGGCACTG	19732
CCCTCACAACAAACATGTGCCACTGAGTATTTTACTGAATCAGTGGCTCAGGTTCGTTGCAAGGATTAAGG	19733
TTTAACTGTTACAATCCAGGCCAACTCTGGGTCATCCTGATCATCCAGATCTGGTTTGACTTTTGTGAAAG	19734

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Table 1. Novel miRNA sequences

CGGGTTAGTGCAAGGTTGCTGTGATGTTAACCTGAGCAGCTTCAGTGAAATAAGGTACTTATACCTAGAACTCA	19735
CTCCTAATGGGGCCAGTGATGACCTCAGACCTGAGGCCCCACTTTGGGGCTACTGAAGGTGCCCCCTCCTTGTT	19736
TAAATTTGAATTTCAGGTAAACAATGAATAGTTTTTTAGTCTGTCGTTGCTTACCAGAAGTTCAAATTTATC	19737
CATTACTGTTGCTGAATCCAGAGAGCAGCATGAGTTCCTGAAATGCAGTTCAATGGTGTTCAGCAGACGGTGG	19738
CCACTAAAGCAGGATTCAGACTACAATATAGCTGCTAAGTGCTGTGTTGTCGTTCCCCCTGCTTAAAATAAAGT	19739
TGTGTTTTTCTTAACTGGTAATGTAGATTATCATTATTTATCATTACCAGCTTTGGGGGGTTCAGAGTTT	19740
TCTTGATCCCACCGCTGCCAAAAGGGGTAAGGATTCACCCCTTGCTACCTTTTCAGAATGTGGACCATGA	19741
TACAAATAATTGAAGGCTAATTAGCAGTATAACTATAAATAGTAATGCTGCCAGTCTCCTTCAGACAAAAATTCTA	19742
ATGGAAGTTCTCTATAGGAAGCCATAGCACTCCTAATGTTTGGTGCTATGTTTTCCTGAGGAGATATAAAACGT	19743
ACAAGGGGCTCCAACTGTGGGGGGTCTGTTTCCGCAGACCGCTGACTTTCCTCACACGGGGCACCAATTGAGGT	19744
TGTTCTGCATCCACTGATAGACCTTGAACAATTTACTGTTGTTCTTTTGGTTTGCACTAGGATGCAAAAGAAAG	19745
TTGTGACTGTTCCTGGTATTGATTGCATTTGTTAGTTGTACAGTGCAACCATAGACAGTCACACACATTAAA	19746
AGCCTCCTAAATGAAAAGGTAGATAGAACAGGTCTTGTTTGCAAAATAAATTCAAGACCTACTTATCTACCAACAGCAAT	19747
AGCCTCCTAAATGAAAAGGTAGATAGAACAGGTCTTGTTTGCAAAATAAATTCAAGACCTACTTATCTACCAACAGCAAT	19748
CTTGCACCTGTATCACACCTGTGTGTTACACCTGTCACTCCTGTGTGTCACTCTTGTGTGTTGCAGATGTGGG	19749
TCCCAAAACCATCTTTGGAAAAAGCACAGGTCTCAGATCCTCCTGTGACCTGTGCTTTTTCCCGGTTGGAT	19750

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Table 1. Novel miRNA sequences

TCCTGGGGTGGGGCCCTGGAGGTGTCCTGGAAAAAACGGGACACCTCCCTGTCCTCCAGGAGCTCACCCTAAGT	19751
TAAGGCTTGGCTGATGAATACTGACTGTATTTTCCTTGAGCATGTCTGGAACAGTGTTTATGTGTTTTCCTTG	19752
TCTCCTGCCCGGCCTCGGAACCAGCTTTTCTCTCTTACGATGAAGGCTGATGCCGAGAGCGGGCTGTGGGCGGA	19753
GGGTTCCTCCCAGGGCTTTGCCTGTCTGAGCGTCGCTTGCCGATCAGTAGTCCCCGGGGGTGCCTCCGGGCTC	19754

Table 2. Additional miRNA sequences

Putative miR's found using miRDeep2 plus inventors' designed filters (coordinates and sequences are based on the GRCh37 assembly)

Mature Label	Mature Coordinates			Mature Sequence	SEQ ID NO:
TJU_CMC_MD2.ID00001.5p-miR	1	- 955270	955289	GCGAACAAAGCCCCGGGACG	19755
TJU_CMC_MD2.ID00002.5p-miR	1	+ 1002074	1002093	CCGTCGGGCCTGGGGGAGGT	19756
TJU_CMC_MD2.ID00003.5p-miR	1	- 1093594	1093616	GGGCCAGACTGCCGAGGGTCCCG	19757
TJU_CMC_MD2.ID00004.3p-miR	1	- 1103256	1103277	CAGCACTGTCCGGTAAGATGCT	19758
TJU_CMC_MD2.ID00004.5p-miR	1	- 1103294	1103316	CATCGTTACCAGACAGTGTTAGA	19759
TJU_CMC_MD2.ID00005.5p-miR	1	+ 1104400	1104420	GTCTTACCAGACATGGTTAGA	19760
TJU_CMC_MD2.ID00006.3p-miR	1	- 1140872	1140892	CTGGCCTGTCTCCTGCCCAGG	19761
TJU_CMC_MD2.ID00007.3p-miR	1	- 1231660	1231681	ATCCCTACCTCTGCTCTCCAGG	19762
TJU_CMC_MD2.ID00008.3p-miR	1	- 1273563	1273584	TCACCTACCCTCCCCCGCCAGA	19763
TJU_CMC_MD2.ID00009.3p-miR	1	- 1284578	1284597	GGGCGGTCGGGCGGGGGCGC	19764
TJU_CMC_MD2.ID00010.3p-miR	1	- 1284693	1284712	CGCCCTCCGTGCTGCGTCCC	19765
TJU_CMC_MD2.ID00012.3p-miR	1	+ 1284965	1284986	TGGCTGTGGGCCCGTGGGCGCC	19766
TJU_CMC_MD2.ID00013.3p-miR	1	- 1289889	1289909	CGACCCCGCGTTCCCCGCAGA	19767
TJU_CMC_MD2.ID00014.3p-miR	1	+ 1291007	1291027	GCAGCCGGTCCTGGGTCCACA	19768
TJU_CMC_MD2.ID00015.5p-miR	1	+ 1368120	1368141	AGGCTGCTACCCGCCAGGTGTC	19769
TJU_CMC_MD2.ID00016.5p-miR	1	+ 1551668	1551690	CGGCCGCCAGACCCCGGGCGCAC	19770
TJU_CMC_MD2.ID00017.3p-miR	1	- 1562099	1562120	CCGTCCACTCGCCATGCCCAGC	19771
TJU_CMC_MD2.ID00018.5p-miR	1	+ 1564629	1564650	GCTGGACCTGGCCGCCGAGGGT	19772
TJU_CMC_MD2.ID00020.5p-miR	1	+ 1950958	1950981	GGGTCGGGGGCGGTGGGGGGCCCG	19773
TJU_CMC_MD2.ID00021.5p-miR	1	+ 2159704	2159723	CGGCGGCGGCGCGCCGCGCG	19774
TJU_CMC_MD2.ID00022.3p-miR	1	+ 2160895	2160915	GCTGCTGGTGCCCGAGCTCTA	19775
TJU_CMC_MD2.ID00023.3p-miR	1	+ 2243375	2243395	CCCACCCTACCTCTGCATCCT	19776
TJU_CMC_MD2.ID00024.5p-miR	1	+ 2360381	2360401	GGGCCCCGGGGTGGGTGGTGG	19777

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Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00025.5p-miR	1	-	2476602	2476624	GTGGCCAGGTAGGCTGTGGCTGC
TJU_CMC_MD2.ID00026.3p-miR	1	-	2477767	2477789	CGCTTTCCCACGCCCGGCAGCCA
TJU_CMC_MD2.ID00027.5p-miR	1	-	2509668	2509691	CTGGCTTCCCTGCTGTGAGCCTGT
TJU_CMC_MD2.ID00028.3p-miR	1	-	2517848	2517867	ATTGGCGCAGCAGGCGGAGC
TJU_CMC_MD2.ID00029.5p-miR	1	-	2929249	2929268	CGCGGGAGCGCCGCGTGGGG
TJU_CMC_MD2.ID00030.3p-miR	1	-	2984078	2984099	GCTGGCGGCGGCGGTGCGCTGG
TJU_CMC_MD2.ID00031.3p-miR	1	-	3551642	3551665	TCACCTGTGCATGGTTTCCTTCCT
TJU_CMC_MD2.ID00032.5p-miR	1	-	3773680	3773701	TCCCTGTCACTGCCGCAGCAGC
TJU_CMC_MD2.ID00033.5p-miR	1	+	4664320	4664341	TCCAATCACACTTCGTTGCCTG
TJU_CMC_MD2.ID00034.3p-miR	1	-	6295950	6295971	ATGGCGGGCTGCGCGGCGCGGG
TJU_CMC_MD2.ID00035.3p-miR	1	-	6320951	6320972	GGCCTGCGCTCGGCCCGGGGGC
TJU_CMC_MD2.ID00036.3p-miR	1	-	6453562	6453583	AGGCGGGGCTCGGGGTGGGGCC
TJU_CMC_MD2.ID00037.3p-miR	1	-	6535198	6535220	CCCACCCCCACCATCCTCCCAGG
TJU_CMC_MD2.ID00038.3p-miR	1	-	6548991	6549011	CATCTGCTTTTCTGGGGCTGG
TJU_CMC_MD2.ID00039.3p-miR	1	-	6662701	6662720	TGCTGGCCGCCGCCAGCCCC
TJU_CMC_MD2.ID00040.5p-miR	1	+	6685758	6685780	CAGGGTCGCGGGAGGACGCTGGA
TJU_CMC_MD2.ID00041.3p-miR	1	+	7253586	7253607	GCACTTACCTGCTGTCATCAGA
TJU_CMC_MD2.ID00041.5p-miR	1	+	7253545	7253566	ATGACAGCAGATAAGTGCCAGT
TJU_CMC_MD2.ID00042.3p-miR	1	+	7496657	7496678	CCAGGGCCTGGTCCCTCCTCCC
TJU_CMC_MD2.ID00043.5p-miR	1	+	7764584	7764604	CGCCGTCCAGCGCGGCTCGGG
TJU_CMC_MD2.ID00044.3p-miR	1	-	8319741	8319762	TGCTACAAATCGCGTCTGTGAT
TJU_CMC_MD2.ID00045.5p-miR	1	+	8324253	8324275	TCTGTGTTTTGGACATCTCCACT
TJU_CMC_MD2.ID00046.3p-miR	1	+	9673904	9673925	CACATGGAACTGCAGGGCAGGC
TJU_CMC_MD2.ID00046.5p-miR	1	+	9673862	9673883	TCGCCCTGTGTTTCCAGGCCTG
TJU_CMC_MD2.ID00047.3p-miR	1	+	9780777	9780797	TCACTCCTGCCCACACCCCTC
TJU_CMC_MD2.ID00048.5p-miR	1	+	10270601	10270623	GGAGTTTCGCGAGGGCCGAAGCG
TJU_CMC_MD2.ID00049.5p-miR	1	+	10754515	10754538	GGGAGCGGGCGGGCGGGCGCGGCC
TJU_CMC_MD2.ID00050.5p-miR	1	-	10755025	10755044	CGCGCGGGTCGTGGGGCAGG
TJU_CMC_MD2.ID00051.3p-miR	1	+	10809124	10809147	GGGTTGGGAGAAGCAGTCCGGGGC
TJU_CMC_MD2.ID00052.3p-miR	1	+	11072736	11072756	GGGCTGCGCTTGGGTCCGTCG
TJU_CMC_MD2.ID00053.5p-miR	1	-	11333519	11333538	ACCGCCCGGGAAGGAGGAAG

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00054.5p-miR	1	+	11538707	11538728	CTCCCTCCGGAGGGCGCCCGGG	19809
TJU_CMC_MD2.ID00055.5p-miR	1	-	11586621	11586642	TCAGGCTCCGTCCCCTCCCTCC	19810
TJU_CMC_MD2.ID00056.3p-miR	1	-	12600031	12600051	GCAGCAAGTACCCACCCACCT	19811
TJU_CMC_MD2.ID00058.5p-miR	1	-	14075699	14075718	AGGAAGGGCTCCCGGCCCCG	19812
TJU_CMC_MD2.ID00059.5p-miR	1	+	15755851	15755873	ACCCCATGCTGACTTGGAGAACC	19813
TJU_CMC_MD2.ID00060.3p-miR	1	+	16010861	16010884	CGGGCCGCGGTGGAGCGAGGGCCC	19814
TJU_CMC_MD2.ID00061.3p-miR	1	+	16011001	16011022	GGCGGGGCGGCGGCGGCGGTGG	19815
TJU_CMC_MD2.ID00062.5p-miR	1	-	16163531	16163550	AGGCCCTCTGCACCCACGCA	19816
TJU_CMC_MD2.ID00063.5p-miR	1	-	16174038	16174061	GACTACAGGCGGGGAAGGAACGCT	19817
TJU_CMC_MD2.ID00064.3p-miR	1	+	16400108	16400127	CGCGCCCGGCTCGCCTCGCG	19818
TJU_CMC_MD2.ID00065.3p-miR	1	-	16678906	16678925	GTTTGAGTGGAGGAAGATGG	19819
TJU_CMC_MD2.ID00066.3p-miR	1	+	17287230	17287253	TCCACCTCCTGGCATCACTCCAGC	19820
TJU_CMC_MD2.ID00067.3p-miR	1	-	17318897	17318918	GCTGCCTCTCCAACCCTGCAGG	19821
TJU_CMC_MD2.ID00068.5p-miR	1	+	17765107	17765130	ACTTCCTCCTCTGCCCTCCCCAAA	19822
TJU_CMC_MD2.ID00069.3p-miR	1	-	17872362	17872383	GAGCAGCATGTGCAAAGGTTCA	19823
TJU_CMC_MD2.ID00070.5p-miR	1	+	17945709	17945731	CAGGAGCTGCTTGCACCCTAGGA	19824
TJU_CMC_MD2.ID00071.3p-miR	1	-	19043523	19043542	CGGCGGCGGCGGAGCGCGGG	19825
TJU_CMC_MD2.ID00072.5p-miR	1	-	19811953	19811972	CACTGACGCCGGGACCGGGA	19826
TJU_CMC_MD2.ID00073.3p-miR	1	-	19812054	19812073	GGCGGCGGCCCGGCGCGGGG	19827
TJU_CMC_MD2.ID00074.3p-miR	1	-	19838574	19838594	ACTCCAACAATCCACCTGCCT	19828
TJU_CMC_MD2.ID00075.5p-miR	1	+	19838574	19838594	AGGCAGGTGGATTGTTGGAGT	19829
TJU_CMC_MD2.ID00076.5p-miR	1	+	19923672	19923692	GAGGAAGGAAGGGAAGCCCCA	19830
TJU_CMC_MD2.ID00077.3p-miR	1	+	20209289	20209310	CCGTTGCCCGCTCGCGTCCATC	19831
TJU_CMC_MD2.ID00078.3p-miR	1	+	20236985	20237005	TAATGTAGTTGCCACTAGGAG	19832
TJU_CMC_MD2.ID00079.3p-miR	1	-	21314835	21314856	CTAAAGAGAAGTCAATGCATGA	19833
TJU_CMC_MD2.ID00080.3p-miR	1	-	22447856	22447879	ACCGCAGCCCTTTCTGTGCCCACC	19834
TJU_CMC_MD2.ID00081.3p-miR	1	-	23346282	23346303	CGGGGGGCGAGGCCCGCGGAGG	19835
TJU_CMC_MD2.ID00082.3p-miR	1	+	23695469	23695488	GAGTGCGGTCGGCAGTAGAG	19836
TJU_CMC_MD2.ID00083.3p-miR	1	-	23880360	23880382	GACCCCTACCCTGAAGCCACCCA	19837

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Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00084.5p-miR	1	+	24127489	24127508	GCCGGTGCCCCGGGTCCCCG	19838
TJU_CMC_MD2.ID00085.3p-miR	1	+	24195297	24195318	GCTGCAGTGAACCGAACCGTGA	19839
TJU_CMC_MD2.ID00086.3p-miR	1	+	24286332	24286354	AAGGAGAAGGTCGGGTTGTAGAA	19840
TJU_CMC_MD2.ID00087.3p-miR	1	-	25071793	25071814	TCGGGCTGTAGGCAGGGCCAAG	19841
TJU_CMC_MD2.ID00088.5p-miR	1	+	25350009	25350028	GGTCCCATTGAATCCCAACA	19842
TJU_CMC_MD2.ID00089.3p-miR	1	+	25943187	25943208	CGGCGGCGGCGGGAGGGGGCGC	19843
TJU_CMC_MD2.ID00090.3p-miR	1	-	26438129	26438148	CGGGAGTCGTCGGAGGTGTG	19844
TJU_CMC_MD2.ID00091.5p-miR	1	+	26881032	26881054	GGCAGCAAGGAAGGCAGGGGTCC	19845
TJU_CMC_MD2.ID00092.3p-miR	1	-	27481558	27481579	TGGAGCTGGACCAGGAGGAGCT	19846
TJU_CMC_MD2.ID00093.5p-miR	1	+	27692774	27692796	CGCGGTGTCGCCTAGCTCCAGCG	19847
TJU_CMC_MD2.ID00094.3p-miR	1	+	28052557	28052579	GGCCGGCGGGTCGGTGAGCGCGG	19848
TJU_CMC_MD2.ID00095.5p-miR	1	+	28157366	28157388	CCGGCTCTAGCCTCCCGCTGTTC	19849
TJU_CMC_MD2.ID00096.5p-miR	1	-	28200873	28200894	TAAGCATGAGCTATCACACACA	19850
TJU_CMC_MD2.ID00097.5p-miR	1	+	28202668	28202690	TTTGTAGCTGTACACTAAGGGAA	19851
TJU_CMC_MD2.ID00098.5p-miR	1	+	28845090	28845112	CCGCACCGCGGCGCCCGCGCAGG	19852
TJU_CMC_MD2.ID00099.3p-miR	1	+	29063463	29063483	GAGTCGGAGCCGGAGCCTGAG	19853
TJU_CMC_MD2.ID00100.5p-miR	1	+	29214888	29214911	ACCTCCACCCAGTTTCAGGCCTGG	19854
TJU_CMC_MD2.ID00101.3p-miR	1	-	32201494	32201515	CCTTCTTCTCCCCCACCCCAGC	19855
TJU_CMC_MD2.ID00102.3p-miR	1	+	32229956	32229975	GACGCGGCGCCTGCGCGGGC	19856
TJU_CMC_MD2.ID00103.5p-miR	1	-	32403919	32403939	GCGCGATCGGCCGGGCTGTAA	19857
TJU_CMC_MD2.ID00104.5p-miR	1	+	32479361	32479383	GGTGCGCAGGCGCCGTGGCCGGA	19858
TJU_CMC_MD2.ID00105.5p-miR	1	+	32633047	32633068	TGTCACTAGAATCTGGAATAGA	19859
TJU_CMC_MD2.ID00106.5p-miR	1	-	33642703	33642724	CGTACATGCATGTGTGTGTGCA	19860
TJU_CMC_MD2.ID00107.3p-miR	1	+	35247487	35247506	GGGATGGGGCGCGAAGCGGG	19861
TJU_CMC_MD2.ID00108.3p-miR	1	-	35442490	35442513	CAAGCTCGGGGCTGGCCTCCGCCA	19862
TJU_CMC_MD2.ID00109.3p-miR	1	-	36184405	36184427	CCGCACCCACGCCTGGACCGCGG	19863
TJU_CMC_MD2.ID00110.5p-miR	1	+	36641877	36641900	CGGAGTCGCAGCGCGGTCACACTG	19864
TJU_CMC_MD2.ID00111.3p-miR	1	-	36810070	36810089	CGGGGCAGGTGCTGTGAGCA	19865

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TJU_CMC_MD2.ID00112.5p-miR	1	+	36865778	36865798	CGAGCCCGGCCAAAAATGTTT	19866
TJU_CMC_MD2.ID00113.5p-miR	1	-	36929932	36929952	GCGCCCATGTAACCCGGTCCG	19867
TJU_CMC_MD2.ID00114.5p-miR	1	+	37948495	37948515	ATCCCAGTCCAGCTCTCTGCT	19868
TJU_CMC_MD2.ID00115.5p-miR	1	-	38003407	38003426	GAGTCGTCGGACACTTCTGA	19869
TJU_CMC_MD2.ID00116.3p-miR	1	-	38388579	38388601	CATCTCTCCAGGGGCCTATCACC	19870
TJU_CMC_MD2.ID00117.5p-miR	1	+	38511211	38511232	CCGGCCGCAGGGGTCATGCGCT	19871
TJU_CMC_MD2.ID00118.5p-miR	1	+	38554922	38554944	ATGCCCTTGTACACAACACACGT	19872
TJU_CMC_MD2.ID00119.3p-miR	1	+	39957340	39957361	TCGCCCCTGCGCTGCGCGGACC	19873
TJU_CMC_MD2.ID00120.3p-miR	1	-	40149825	40149845	AACCCACCGCACCCCCCTCAG	19874
TJU_CMC_MD2.ID00121.5p-miR	1	+	40254261	40254283	CGGGCGGCGGGCGGCGGGGCGGG	19875
TJU_CMC_MD2.ID00122.3p-miR	1	+	41283813	41283836	AACTCAGGCCCCTGGTCCCACAGG	19876
TJU_CMC_MD2.ID00122.5p-miR	1	+	41283775	41283796	CTGTGACCTGGGCCCCAGTTCT	19877
TJU_CMC_MD2.ID00123.5p-miR	1	+	43805574	43805595	TTGGAGGCTCTCTCAGCTGACA	19878
TJU_CMC_MD2.ID00124.5p-miR	1	-	43821985	43822007	TCATGAGAGTTGTGTGAGAACCG	19879
TJU_CMC_MD2.ID00125.3p-miR	1	-	43831294	43831315	CCGCCCTCTGTACCTCCCCAGA	19880
TJU_CMC_MD2.ID00127.3p-miR	1	+	44440662	44440681	CGCGTTTGTAGCTCCGGCCC	19881
TJU_CMC_MD2.ID00128.3p-miR	1	+	44451168	44451189	TCTGTCCGTCCCCATCCTCAGG	19882
TJU_CMC_MD2.ID00129.5p-miR	1	+	44457481	44457500	CCCGCGGTACCTCCCGCACT	19883
TJU_CMC_MD2.ID00130.3p-miR	1	-	44464934	44464957	TCCTTGGGGTAACTCCAGCCTGGC	19884
TJU_CMC_MD2.ID00131.5p-miR	1	-	44569142	44569161	GGGGGCCTCACGAGCCCCGG	19885
TJU_CMC_MD2.ID00132.5p-miR	1	-	44705746	44705766	TGAGGGTATAGCTGTCCCAGA	19886
TJU_CMC_MD2.ID00135.5p-miR	1	-	46598276	46598296	GAGCTTGAGGGCAGTTGGTGC	19887
TJU_CMC_MD2.ID00136.5p-miR	1	-	46598392	46598411	GCTGTCCCCCCTCCCGGCGC	19888
TJU_CMC_MD2.ID00137.3p-miR	1	+	46646029	46646051	GGGCGTTGCCCAGGGCTGGTGTT	19889
TJU_CMC_MD2.ID00138.3p-miR	1	-	46913944	46913965	CCCGTCCATCCGTCCGTCCGTG	19890
TJU_CMC_MD2.ID00139.5p-miR	1	+	47692357	47692378	AACCTCCCTGCACAGTCCACCT	19891
TJU_CMC_MD2.ID00140.3p-miR	1	+	47904542	47904564	CGGGGCCGCGGCGGCGGGGGATC	19892
TJU_CMC_MD2.ID00141.3p-miR	1	-	55266699	55266719	CCACAGCGCGCCCGGGACCTG	19893
TJU_CMC_MD2.ID00142.3p-miR	1	+	55685289	55685310	AACTTCAATTACTTTTGCATCG	19894

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TJU_CMC_MD2.ID00143.3p-miR	1	+	55691364	55691385	GCCCTTCTTGATGCTCTTGATT	19895
TJU_CMC_MD2.ID00144.3p-miR	1	-	55784363	55784384	ATCCTCCCAGCCTGGCCTGAGT	19896
TJU_CMC_MD2.ID00145.3p-miR	1	+	55784396	55784417	AGCCTCCCAGTCTGGCCTGAGT	19897
TJU_CMC_MD2.ID00145.5p-miR	1	+	55784363	55784384	ACTCAGGCCAGGCTGGGAGGAT	19898
TJU_CMC_MD2.ID00148.5p-miR	1	-	59483525	59483546	TGAGAGTTGTGAAATATTTGTG	19899
TJU_CMC_MD2.ID00149.3p-miR	1	-	61542763	61542784	CCCCCTTCTCCCCTCCTCCAGT	19900
TJU_CMC_MD2.ID00150.5p-miR	1	+	62544468	62544489	TCCCTACTATGTTCCAGGCACT	19901
TJU_CMC_MD2.ID00151.3p-miR	1	-	63154018	63154041	CTGGCGGAGGCCGCGAGGGAGGGA	19902
TJU_CMC_MD2.ID00152.3p-miR	1	+	64059368	64059389	CCATCCAGCTCATCGCTCGCAT	19903
TJU_CMC_MD2.ID00153.3p-miR	1	-	65532907	65532929	CCAGCGCCTAGCGCCTGCCTTCA	19904
TJU_CMC_MD2.ID00154.3p-miR	1	-	67388939	67388960	AAGCTATAGTAGGCTATACATC	19905
TJU_CMC_MD2.ID00155.5p-miR	1	-	68649296	68649317	TTCTACAAATTCACCCCTCACA	19906
TJU_CMC_MD2.ID00156.5p-miR	1	-	75139336	75139359	CCCAGGGGCGGCGGCGGCCCAGCC	19907
TJU_CMC_MD2.ID00157.3p-miR	1	+	80530404	80530426	TGAGTCAGGCAACCTGTGTTTGA	19908
TJU_CMC_MD2.ID00159.5p-miR	1	-	86861653	86861674	CTAGCTGCTGCTGGGCGTTTAC	19909
TJU_CMC_MD2.ID00160.5p-miR	1	-	87169053	87169074	TCACACCACCGTGTCCACCATT	19910
TJU_CMC_MD2.ID00161.3p-miR	1	+	87517032	87517052	TTGAGTTACTTTGCCTTATCC	19911
TJU_CMC_MD2.ID00162.3p-miR	1	+	88285258	88285279	AGACTGGGTAGTTTATAAAGGT	19912
TJU_CMC_MD2.ID00163.5p-miR	1	+	89990464	89990486	TGAGCCCGCAGCCTCCGGCAGCC	19913
TJU_CMC_MD2.ID00164.5p-miR	1	-	90873279	90873299	GCTACAACTCTGAAATCAGAA	19914
TJU_CMC_MD2.ID00165.3p-miR	1	+	91487405	91487425	GGCGTAGCTCCCCGGGCCCGA	19915
TJU_CMC_MD2.ID00166.5p-miR	1	+	94312399	94312421	CCCCTCAGTCCACCAGAGCCCGG	19916
TJU_CMC_MD2.ID00167.5p-miR	1	-	94312440	94312460	TTCGCTCCCCACAGACCCAGA	19917
TJU_CMC_MD2.ID00169.3p-miR	1	+	95009310	95009331	CTTGGCACCATTAAAAAGTACA	19918
TJU_CMC_MD2.ID00170.3p-miR	1	-	95392613	95392633	GTAGCACCCAGTTGGACCCAG	19919
TJU_CMC_MD2.ID00171.3p-miR	1	-	95582951	95582970	CCGCGGCGGCCGTCGCGCCC	19920

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TJU_CMC_MD2.ID00172.3p-miR	1	-	96219789	96219811	TGGCGAGTCCTGCGTCCTTGTCC	19921
TJU_CMC_MD2.ID00173.3p-miR	1	+	98386678	98386700	AGGCACGGCAGCCGCAGCCCGGC	19922
TJU_CMC_MD2.ID00174.5p-miR	1	-	98511682	98511705	ACGGGTATTCTTGGGTGGATAATA	19923
TJU_CMC_MD2.ID00175.3p-miR	1	-	100688868	100688890	CTTTACAGCTGATGTGGTGACAG	19924
TJU_CMC_MD2.ID00176.5p-miR	1	+	108439857	108439877	ACTACTACATACATATGCCTA	19925
TJU_CMC_MD2.ID00177.5p-miR	1	-	108439892	108439912	TACTACATACATATGCCTACA	19926
TJU_CMC_MD2.ID00178.5p-miR	1	-	109815260	109815282	GGGTTCAGTGCGGACTCCTCCCT	19927
TJU_CMC_MD2.ID00179.3p-miR	1	+	109815264	109815285	AGGAGTCCGCACTGAACCCTGG	19928
TJU_CMC_MD2.ID00180.5p-miR	1	+	110141503	110141522	CTGTGCTCTGGGGGCTGTGC	19929
TJU_CMC_MD2.ID00181.5p-miR	1	+	111747022	111747043	GCCCCCCTATCCTTGACCTCCG	19930
TJU_CMC_MD2.ID00183.3p-miR	1	-	114414737	114414757	TCTGTCTTCTTTCCTGGGCCT	19931
TJU_CMC_MD2.ID00183.5p-miR	1	-	114414772	114414793	TCCGGGTAGAAGACATGTCACT	19932
TJU_CMC_MD2.ID00184.3p-miR	1	+	115053965	115053985	CCCTCGAAGCCAGTTCCTTGC	19933
TJU_CMC_MD2.ID00185.5p-miR	1	-	116519176	116519199	GCCCTCCCGCCCAGCGCGGCAACC	19934
TJU_CMC_MD2.ID00186.5p-miR	1	-	118148067	118148088	CGTGGTCTTCGGGGAGAGAGCG	19935
TJU_CMC_MD2.ID00187.3p-miR	1	+	119683510	119683529	AGTAGCAACGCTTTAGACTG	19936
TJU_CMC_MD2.ID00188.3p-miR	1	+	145293048	145293069	TTGGAATGCAGAGCTCCTAAGA	19937
TJU_CMC_MD2.ID00189.5p-miR	1	-	146629766	146629787	CACTGAATTCCATTTGTGGACT	19938
TJU_CMC_MD2.ID00190.3p-miR	1	+	146767091	146767112	TTCCTTGACCATCCTTATCAGA	19939
TJU_CMC_MD2.ID00191.5p-miR	1	-	149821812	149821833	TGTCAGTCCCAGTTGATGTTTT	19940
TJU_CMC_MD2.ID00192.3p-miR	1	-	149900284	149900305	TAGAGCTCCGATCCCATCCACC	19941
TJU_CMC_MD2.ID00195.3p-miR	1	+	150337227	150337249	TCCTCCTCGTCGGCCTCTTCGGC	19942
TJU_CMC_MD2.ID00196.3p-miR	1	-	150551797	150551819	CAAGCCCCCCGTCCACCCTCACG	19943
TJU_CMC_MD2.ID00197.5p-miR	1	-	150972597	150972618	AACCCTATGATGAATGGTTCCT	19944
TJU_CMC_MD2.ID00198.3p-miR	1	-	151024065	151024087	TTAGGAAGGCAGAACAAGACAGA	19945
TJU_CMC_MD2.ID00199.3p-miR	1	-	151299823	151299842	GCCAATGGAACCCGGGAGCG	19946
TJU_CMC_MD2.ID00200.5p-miR	1	-	151431251	151431270	CCCGCACACAGCCCGACGTC	19947
TJU_CMC_MD2.ID00201.3p-miR	1	+	151800220	151800239	GTGGGGGAGAGGCTGTCAGC	19948

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TJU_CMC_MD2.ID00202.5p-miR	1	+	151810804	151810827	AGCTGCCCGCCGCGGGGCCCCAGG	19949
TJU_CMC_MD2.ID00203.3p-miR	1	+	153508787	153508809	TCACCCCTGCTTCCTCTGCCAGA	19950
TJU_CMC_MD2.ID00204.5p-miR	1	+	153941531	153941552	TCCCCCTGCCCCCAGGGCAACC	19951
TJU_CMC_MD2.ID00205.3p-miR	1	-	154166152	154166172	ACTAAATGTCAAACATATTCT	19952
TJU_CMC_MD2.ID00206.3p-miR	1	-	154531046	154531067	TCCCGGCCCGCCGGCCCCGGAG	19953
TJU_CMC_MD2.ID00207.5p-miR	1	-	154819719	154819741	TGCCCCTTCCCTCTCGGTGTGGC	19954
TJU_CMC_MD2.ID00209.3p-miR	1	+	154974280	154974299	TGGGGAGGGACGCAGGGCGC	19955
TJU_CMC_MD2.ID00210.5p-miR	1	+	154987804	154987823	TGCCCACAGTGCCCGCCCAT	19956
TJU_CMC_MD2.ID00211.3p-miR	1	+	155029643	155029664	CTTCCTTGCCACCCTCCCCAGC	19957
TJU_CMC_MD2.ID00212.3p-miR	1	-	155164987	155165009	ACACTGCACCGCGTCCCGTCCCT	19958
TJU_CMC_MD2.ID00213.3p-miR	1	-	155225216	155225238	AGCCGGAGCTCGGGGAGCGGAGC	19959
TJU_CMC_MD2.ID00214.3p-miR	1	-	155449154	155449175	TCCTCCTACTTTGTTGCCAAAT	19960
TJU_CMC_MD2.ID00215.3p-miR	1	-	155881147	155881167	ACTCGGTTGCGGGAGGGGTCA	19961
TJU_CMC_MD2.ID00216.3p-miR	1	-	156123639	156123661	AGCCTCTGCAGCTCCCCGGCCCC	19962
TJU_CMC_MD2.ID00217.3p-miR	1	+	156186638	156186660	TCCGCTCCCGGGGGGCTCTAATG	19963
TJU_CMC_MD2.ID00217.5p-miR	1	+	156186581	156186603	TTCCCCGGAGTGGGGAGTTGGCC	19964
TJU_CMC_MD2.ID00218.3p-miR	1	-	156391269	156391291	GTGCCCGCGCGTCCGCCACGAGG	19965
TJU_CMC_MD2.ID00219.3p-miR	1	-	156721266	156721285	ACGCGCAAACTTGGGCTCGC	19966
TJU_CMC_MD2.ID00220.3p-miR	1	+	156721734	156721754	GCCCGCGGTCGGTGGGTGCCC	19967
TJU_CMC_MD2.ID00221.5p-miR	1	+	159824808	159824829	GCGTCCTCTCTGTGGAAAACAA	19968
TJU_CMC_MD2.ID00222.3p-miR	1	+	159894526	159894547	GCACCCGGTGGGGGCAGCGGCG	19969
TJU_CMC_MD2.ID00223.5p-miR	1	-	160062732	160062754	TGCCCGTTCCCGGCCTCTCCCTG	19970
TJU_CMC_MD2.ID00224.5p-miR	1	-	161083968	161083990	TCAGTAGACACTTTGATTTTTAA	19971
TJU_CMC_MD2.ID00225.3p-miR	1	+	161135126	161135147	CCCGATCTCCTTTTTTCCTAGT	19972
TJU_CMC_MD2.ID00226.5p-miR	1	-	161696627	161696650	GCGCACCGCGCGGCTGTACTTGTA	19973
TJU_CMC_MD2.ID00227.5p-miR	1	+	162205420	162205440	CTCTGCTTAATTAAAACCAGG	19974
TJU_CMC_MD2.ID00228.5p-miR	1	-	162531085	162531107	CTAGGAGGGGCCAGGAGCCGGCC	19975
TJU_CMC_MD2.ID00229.5p-miR	1	+	164107687	164107707	TAACTATAGTCTGTGATAACT	19976

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TJU_CMC_MD2.ID00230.5p-miR	1	+	165325750	165325771	CTGGCTCTGCTCCTCGGCGCGC	19977
TJU_CMC_MD2.ID00231.3p-miR	1	-	166808529	166808548	CGGGCCTGGGTAGCCGTGCC	19978
TJU_CMC_MD2.ID00231.5p-miR	1	-	166808564	166808583	AGGCGCGGCTTCCGGCCGGT	19979
TJU_CMC_MD2.ID00232.3p-miR	1	-	167440521	167440542	TAGAGCTGAATTACTTTCCAGA	19980
TJU_CMC_MD2.ID00233.5p-miR	1	-	167522942	167522963	CGCGGGTCCGCGCGCGCACTGC	19981
TJU_CMC_MD2.ID00234.3p-miR	1	+	170649628	170649649	TATGACATCACTGGAACCCCGT	19982
TJU_CMC_MD2.ID00235.5p-miR	1	-	171070918	171070938	TGCCCAGATCCGTGGCCTATT	19983
TJU_CMC_MD2.ID00236.5p-miR	1	+	171220864	171220887	GTGCTTACAGGCTCCCTGCCGAGT	19984
TJU_CMC_MD2.ID00238.3p-miR	1	+	173846818	173846839	TCCCAAGGGGTGAGACTACAGA	19985
TJU_CMC_MD2.ID00239.3p-miR	1	+	174969218	174969239	CGGGTAGGCGTCTGCGCTCGGT	19986
TJU_CMC_MD2.ID00240.5p-miR	1	+	176176805	176176825	CGGAACGGGAAGAAGGAGCTG	19987
TJU_CMC_MD2.ID00241.3p-miR	1	+	178646936	178646957	GTCCATTTCAAGTTAACTCTGT	19988
TJU_CMC_MD2.ID00242.3p-miR	1	-	178694248	178694269	CGCGCTCGCGGGGGCTCTGAGA	19989
TJU_CMC_MD2.ID00243.3p-miR	1	+	179923971	179923994	GCCGCCCCTGACGAAGTGACTCCC	19990
TJU_CMC_MD2.ID00244.3p-miR	1	+	180124032	180124054	CAGCGCCGAGGATGAGGAGGTGC	19991
TJU_CMC_MD2.ID00245.3p-miR	1	-	180235604	180235626	AGCAAAGCAGTGCAGGTGGTAGA	19992
TJU_CMC_MD2.ID00246.3p-miR	1	+	180768928	180768949	TAGCTGCATGCCAGGGGCTAGA	19993
TJU_CMC_MD2.ID00247.3p-miR	1	-	182360850	182360871	CCTCTCCTAACCTCGCTCTCGC	19994
TJU_CMC_MD2.ID00247.5p-miR	1	-	182360904	182360925	AGAGTCGAGAGTGGGAGAAGAG	19995
TJU_CMC_MD2.ID00248.5p-miR	1	-	182992162	182992181	AGACCCGCTCCCCGCGCGGG	19996
TJU_CMC_MD2.ID00249.3p-miR	1	+	185126652	185126675	CTTGCCCGGTGTTGGGGTCTGGTC	19997
TJU_CMC_MD2.ID00250.5p-miR	1	-	185286343	185286365	GGTCGCGCGTGGAGGTCGGTCGC	19998
TJU_CMC_MD2.ID00252.5p-miR	1	+	198126255	198126278	CGGGGCGGCGCGGCGGGAGGTGGC	19999
TJU_CMC_MD2.ID00253.5p-miR	1	-	199052161	199052180	TCAGCCACACTCAGCTCTAA	20000
TJU_CMC_MD2.ID00255.5p-miR	1	+	201688660	201688681	AGCACTTCATTCTTGCTGTCCT	20001
TJU_CMC_MD2.ID00256.3p-miR	1	+	201777780	201777802	GGCTTGCTGTCTGTCCAGTCTGC	20002
TJU_CMC_MD2.ID00257.3p-miR	1	+	201858061	201858083	CCGGCTTGGTCCTGCGGTCCCTT	20003

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TJU_CMC_MD2.ID00258.5p-miR	1	-	203430706	203430727	TAGGTTATACAACATAATGTGT	20004
TJU_CMC_MD2.ID00259.5p-miR	1	+	204041512	204041533	AGCTACAGGTGAGATCAGGTTT	20005
TJU_CMC_MD2.ID00261.3p-miR	1	-	205405227	205405248	AGGAAGGCAGGAGGGGGAGATG	20006
TJU_CMC_MD2.ID00262.3p-miR	1	+	205497263	205497282	GATCCACAGAGTACTCCACC	20007
TJU_CMC_MD2.ID00263.3p-miR	1	+	205600721	205600740	CGCGAGATCCCGAGGGGGCG	20008
TJU_CMC_MD2.ID00264.5p-miR	1	-	205639143	205639166	GGGCGAGGAGGGGGTGGGTAATGG	20009
TJU_CMC_MD2.ID00265.3p-miR	1	+	206907454	206907476	TCTCCCTCAGGGGCAGGTGGTGG	20010
TJU_CMC_MD2.ID00266.3p-miR	1	+	207845814	207845836	AAGATAAAGGTGCTGAAGTCTCT	20011
TJU_CMC_MD2.ID00267.3p-miR	1	-	208042453	208042473	CAGCGGCTGCGCATCTCGGGC	20012
TJU_CMC_MD2.ID00268.3p-miR	1	-	208132519	208132538	GCGTCCTCAGCGGCGGCAAA	20013
TJU_CMC_MD2.ID00269.3p-miR	1	+	209712271	209712292	TCTCGGAGGCTGACTCTGCTCA	20014
TJU_CMC_MD2.ID00270.5p-miR	1	-	210111436	210111457	GGGAGGGGCCCCGAGCGCCGCG	20015
TJU_CMC_MD2.ID00271.5p-miR	1	+	215235891	215235910	ACACCTGATATGATTTAGAT	20016
TJU_CMC_MD2.ID00272.3p-miR	1	+	215761786	215761806	TTTGGCCTTTTATGTTCTTGA	20017
TJU_CMC_MD2.ID00273.3p-miR	1	-	220291512	220291533	CCAGTGGAGATGCTGTTACTTT	20018
TJU_CMC_MD2.ID00274.5p-miR	1	+	221052910	221052932	CCTGCGGCCCCAGCGCCCCTCGC	20019
TJU_CMC_MD2.ID00276.3p-miR	1	-	223673745	223673764	CTTCTAATGCTCTTGTTGAG	20020
TJU_CMC_MD2.ID00277.3p-miR	1	+	224033832	224033852	GCCCCGGACTGAAGTGCGGTC	20021
TJU_CMC_MD2.ID00278.3p-miR	1	+	225615322	225615344	CCTCCCTGCCGCCGCCGCTCCAC	20022
TJU_CMC_MD2.ID00280.3p-miR	1	-	226298303	226298325	CCTCTGGGGATCCGCGCGCCTCT	20023
TJU_CMC_MD2.ID00281.5p-miR	1	-	226309863	226309886	GCGTTGTGGGAGCCGCGGCCACGC	20024
TJU_CMC_MD2.ID00282.5p-miR	1	+	226793219	226793239	ACATGTTTAGTGATACAATCC	20025
TJU_CMC_MD2.ID00283.3p-miR	1	-	227506506	227506527	CGCCCAGTCCCGCCGCAGCTCC	20026
TJU_CMC_MD2.ID00284.5p-miR	1	+	228070941	228070962	TCAGCCACCACTGGGCGTTCAC	20027
TJU_CMC_MD2.ID00285.3p-miR	1	+	228336045	228336064	TGCCCTGACCCCAGGCCCCA	20028
TJU_CMC_MD2.ID00286.3p-miR	1	-	228897841	228897864	ATGCCAAGGCTCAAGTGAGGGGAA	20029
TJU_CMC_MD2.ID00287.3p-miR	1	-	229478261	229478281	GTCGTGTACCGGGTCCCGTAG	20030
TJU_CMC_MD2.ID00288.3p-miR	1	-	229689424	229689444	CCAACTCAACCTCAAAACGGC	20031
TJU_CMC_MD2.ID00288.5p-miR	1	-	229689460	229689481	TGAGGTTGAGTTCGTCAGGGTT	20032
TJU_CMC_MD2.ID00289.5p-miR	1	+	232423543	232423564	TCCAGAGACTGGAGCTGACTTG	20033

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TJU_CMC_MD2.ID00290.5p-miR	1	-	234745835	234745857	TGGCCGCTGACGCTGGCGCTGGA	20034
TJU_CMC_MD2.ID00291.3p-miR	1	+	235047810	235047830	TCGCTCTGCCCTCCACCCATC	20035
TJU_CMC_MD2.ID00293.3p-miR	1	-	236104878	236104900	GGGTTGGTCTTGATGGGGCCACA	20036
TJU_CMC_MD2.ID00293.5p-miR	1	-	236104916	236104938	AGACCCCAGCAAGGCAAACCTGA	20037
TJU_CMC_MD2.ID00294.5p-miR	1	+	236305870	236305889	CTGAGCGCGATGCGCGGAGA	20038
TJU_CMC_MD2.ID00295.3p-miR	1	-	241682462	241682483	TCCCGCACCGTCCTGCCCCATA	20039
TJU_CMC_MD2.ID00296.3p-miR	1	+	242688025	242688044	GCGGCGGCGGCGGGGGTGGG	20040
TJU_CMC_MD2.ID00297.5p-miR	1	+	243419591	243419614	AGTGGGCGGGAGCAGACCAGGTGC	20041
TJU_CMC_MD2.ID00298.3p-miR	1	+	244013808	244013829	TCCTCCCGGGCTGCGCCTCGCT	20042
TJU_CMC_MD2.ID00299.3p-miR	1	-	244198691	244198711	GTTACTACGCTGAATAGCGTA	20043
TJU_CMC_MD2.ID00300.5p-miR	1	-	244211468	244211490	CGTGAGAAAGTGAAAGGAGCCCG	20044
TJU_CMC_MD2.ID00301.3p-miR	1	-	247374110	247374131	CTCAGCTGGGTCGTCTTCTGTG	20045
TJU_CMC_MD2.ID00302.5p-miR	1	+	247495349	247495370	GGGCTTTGTGGGTCAGCCACGT	20046
TJU_CMC_MD2.ID00303.5p-miR	1	+	248020756	248020776	CGCCCCAACCGGCAGCTGGCG	20047
TJU_CMC_MD2.ID00304.5p-miR	1	+	249200417	249200436	GCGAGCCCTCTGGTGCCGGA	20048
TJU_CMC_MD2.ID00305.3p-miR	10	-	413792	413815	CCACCCCGTGTGTGTCCTCTGCCC	20049
TJU_CMC_MD2.ID00306.5p-miR	10	-	735567	735588	CGCGAGGAGCCGCCGAGACCTC	20050
TJU_CMC_MD2.ID00307.5p-miR	10	-	735863	735882	CCTCGCGCCCCCGCGCGCGCG	20051
TJU_CMC_MD2.ID00309.5p-miR	10	+	1102387	1102409	CGGCCCTGAGCGCAGGCGGCCCC	20052
TJU_CMC_MD2.ID00310.3p-miR	10	-	1102582	1102602	ACCCCTTCGGCTGCTGGGCCA	20053
TJU_CMC_MD2.ID00311.5p-miR	10	+	1419398	1419420	TGTGCGTTTGTGTGCGCCCCCTGG	20054
TJU_CMC_MD2.ID00312.3p-miR	10	+	3827768	3827787	CGGCCGAGCCCCTGCACTGCG	20055
TJU_CMC_MD2.ID00313.3p-miR	10	+	3827855	3827875	CCCGGTCTCTCTTCCCCGCTG	20056
TJU_CMC_MD2.ID00315.3p-miR	10	+	5003188	5003209	TTAAGTGGCCTGAATTTGTAGA	20057
TJU_CMC_MD2.ID00315.5p-miR	10	+	5003146	5003166	TACAGATCTGGGTCTCTTAGA	20058
TJU_CMC_MD2.ID00316.3p-miR	10	+	5488591	5488613	CGGCGAGAGGCATGGGCACGTGG	20059
TJU_CMC_MD2.ID00318.3p-miR	10	+	5932209	5932228	CCGGCCAGAGGAGGAGCTCG	20060
TJU_CMC_MD2.ID00320.3p-miR	10	-	6183633	6183652	AGCCAACTAGGATCGATGTC	20061
TJU_CMC_MD2.ID00321.5p-miR	10	+	6194170	6194192	CCTCCCACTGCAGAGCCTGGGGA	20062

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TJU_CMC_MD2.ID00322.5p-miR	10	+	10967356	10967376	TGCACTAAGTATATGCCAAGC	20063
TJU_CMC_MD2.ID00323.3p-miR	10	-	12391687	12391708	GCGCAGCTTCCTCCTCTGCAGT	20064
TJU_CMC_MD2.ID00324.3p-miR	10	+	20148421	20148441	TGCAATTAATATGTAATATGC	20065
TJU_CMC_MD2.ID00325.3p-miR	10	-	21783683	21783703	CCGCGCGCGGGTCGGGCCGCG	20066
TJU_CMC_MD2.ID00326.5p-miR	10	-	21805795	21805814	CGGCGGCGGCCGCCGCGGGG	20067
TJU_CMC_MD2.ID00327.3p-miR	10	+	21823859	21823882	CGCGGCGGGGCGCGGGGGGTGTGG	20068
TJU_CMC_MD2.ID00327.5p-miR	10	+	21823747	21823767	CGCCCGCCGGGGCGCGCCGGC	20069
TJU_CMC_MD2.ID00328.3p-miR	10	-	22541343	22541366	GGCCCTCCCCAGGTGTCTGAGCAG	20070
TJU_CMC_MD2.ID00329.3p-miR	10	-	23463540	23463561	CCGCGAGGCCGGCGGGGCGGGG	20071
TJU_CMC_MD2.ID00330.5p-miR	10	-	24497864	24497887	CCGTCCGTCCGTCCGTCCGTCCTC	20072
TJU_CMC_MD2.ID00331.5p-miR	10	-	25012583	25012606	GCGGGCAGCGCGGGATCGTCCGGC	20073
TJU_CMC_MD2.ID00332.3p-miR	10	-	25241639	25241658	TCCCGCCGGCGGGCCCGGGG	20074
TJU_CMC_MD2.ID00333.3p-miR	10	-	26500865	26500884	GCTGGACGAGGCGCCGGCGC	20075
TJU_CMC_MD2.ID00334.3p-miR	10	+	26507209	26507230	CACTGAATCGATGACGGCTGGC	20076
TJU_CMC_MD2.ID00335.5p-miR	10	-	26915416	26915437	ATCTCAACATTTTGTCTTGTGG	20077
TJU_CMC_MD2.ID00336.3p-miR	10	-	28591898	28591919	TGCCGAGCCCGCTGGCTCCCGA	20078
TJU_CMC_MD2.ID00337.3p-miR	10	+	28868233	28868254	ACCCAATGAAGCAATGGAGACA	20079
TJU_CMC_MD2.ID00338.3p-miR	10	+	28966448	28966468	CTGGGCTGGCGCGGGCGGGAG	20080
TJU_CMC_MD2.ID00339.3p-miR	10	+	30723118	30723141	TCCGCTCCGCTCTGGACTGCGCGC	20081
TJU_CMC_MD2.ID00340.5p-miR	10	-	31892506	31892527	CCTGAGCAGTCCGGAGGCCGAG	20082
TJU_CMC_MD2.ID00342.5p-miR	10	-	32635997	32636019	GAGCGGCACAGCCTCCCACCCTC	20083
TJU_CMC_MD2.ID00343.3p-miR	10	+	35625441	35625462	TCCCTGGCCGCGCCGCACCGCG	20084
TJU_CMC_MD2.ID00344.5p-miR	10	-	35929767	35929788	CCCGCACCGCGGCGGCGGCAGG	20085
TJU_CMC_MD2.ID00345.3p-miR	10	+	38383798	38383820	CAGGCGCGGACTCCACACCCAGC	20086
TJU_CMC_MD2.ID00346.3p-miR	10	-	43250030	43250051	TCCGGTCGCGGTCTCCGCACTA	20087

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TJU_CMC_MD2.ID00347.3p-miR	10	+	43762093	43762116	CGCGCCGGGATCCCGGCCGCCCTC	20088
TJU_CMC_MD2.ID00348.3p-miR	10	-	43892111	43892133	CCTCGGCGCTGCTTCCCGCCAAA	20089
TJU_CMC_MD2.ID00349.3p-miR	10	+	43916085	43916106	AGAGCGGCTGCCACTCGCCTCT	20090
TJU_CMC_MD2.ID00351.3p-miR	10	+	45496379	45496401	CGGCGCGGGAGGCGCCCAGCGAG	20091
TJU_CMC_MD2.ID00352.3p-miR	10	-	45496479	45496499	CCAGCGCGCTCCCGAGCGGAC	20092
TJU_CMC_MD2.ID00353.5p-miR	10	+	45869636	45869655	ACCAGTGGTGGGAGGAGGCT	20093
TJU_CMC_MD2.ID00354.3p-miR	10	-	46168192	46168211	CAGTGCCTTCCGTGAAGTTG	20094
TJU_CMC_MD2.ID00355.5p-miR	10	+	47007347	47007370	AGGGAGCCTCTGTTGGGGCTGGAA	20095
TJU_CMC_MD2.ID00356.3p-miR	10	-	48370869	48370890	TCTCCTGGGCCTGAGCATCCAC	20096
TJU_CMC_MD2.ID00358.3p-miR	10	+	50174549	50174570	TGTCTGTTCCCTGTCTCTCTAG	20097
TJU_CMC_MD2.ID00358.5p-miR	10	+	50174480	50174502	CCAGAGACAGGGTGCAGCTACAG	20098
TJU_CMC_MD2.ID00359.5p-miR	10	+	50178343	50178363	CAGCTCGTGCAGGTGCGGTCC	20099
TJU_CMC_MD2.ID00360.3p-miR	10	-	52384298	52384318	CTCGCGCGGTTAGAGCTCTTG	20100
TJU_CMC_MD2.ID00361.3p-miR	10	+	52957617	52957638	CAGAAACCAGAATTACTTTTGC	20101
TJU_CMC_MD2.ID00362.5p-miR	10	+	59207236	59207259	TGTCAGTTTGTCAAATTCTTTCAC	20102
TJU_CMC_MD2.ID00363.3p-miR	10	+	60648552	60648572	TGGCTCAGTTCACCAGGAGAA	20103
TJU_CMC_MD2.ID00364.5p-miR	10	+	61666149	61666169	CGTCCGTGTCGCTCTCGCTGG	20104
TJU_CMC_MD2.ID00365.3p-miR	10	+	62828893	62828915	TGAGCCTGGGCACAGGGGTCACC	20105
TJU_CMC_MD2.ID00365.5p-miR	10	+	62828853	62828875	AGCCTTCTTTGCTCATGCTCTAG	20106
TJU_CMC_MD2.ID00366.3p-miR	10	+	63748094	63748115	TTTGTGGACATGGCACCAAGTG	20107
TJU_CMC_MD2.ID00367.5p-miR	10	-	65094504	65094525	CCCCTCCAACCTGGGTGACAGA	20108
TJU_CMC_MD2.ID00368.3p-miR	10	-	65281608	65281631	GCCGCCGGAGCAGGGGCGCCGCGC	20109
TJU_CMC_MD2.ID00369.3p-miR	10	+	65281826	65281845	GCGGCTGATGCGTTGCGGTG	20110
TJU_CMC_MD2.ID00370.3p-miR	10	-	71872227	71872248	TGGACCACGAAGGGAAGCCCAC	20111
TJU_CMC_MD2.ID00370.5p-miR	10	-	71872270	71872293	TGGCTGTTCCCCTGGTGGTTGCAT	20112
TJU_CMC_MD2.ID00372.5p-miR	10	+	72163928	72163951	TGCCGCTGCTGTTGCTCCTGAGGC	20113
TJU_CMC_MD2.ID00373.3p-miR	10	+	72182494	72182514	TCTCAGTCGTCATTTTTAAGT	20114

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TJU_CMC_MD2.ID00374.3p-miR	10	+	72238438	72238457	CCCCCGCCCCTCGCGGTGGG	20115
TJU_CMC_MD2.ID00375.3p-miR	10	+	72503800	72503822	CTGACCTCACCTCTGGCCTCAGC	20116
TJU_CMC_MD2.ID00376.5p-miR	10	-	72648273	72648292	CCATGGTGAGTCCAGGGGTG	20117
TJU_CMC_MD2.ID00377.3p-miR	10	+	72972348	72972369	CGGCTAGGGCGCCGGAGCCGCA	20118
TJU_CMC_MD2.ID00378.3p-miR	10	+	73079059	73079078	GCGGCGACAGTAAGTGCGGG	20119
TJU_CMC_MD2.ID00379.3p-miR	10	-	75532846	75532867	TGGACACCTGGAGTCCTGGCCT	20120
TJU_CMC_MD2.ID00380.3p-miR	10	+	75542059	75542081	TCCCCCGGATCTGCCCCTCCAGA	20121
TJU_CMC_MD2.ID00381.3p-miR	10	+	75571769	75571788	CCCTCCCTCCCCGCCCCGCG	20122
TJU_CMC_MD2.ID00382.3p-miR	10	+	75633928	75633949	CGGCGGCGCGTGGGGAGCAGCG	20123
TJU_CMC_MD2.ID00382.5p-miR	10	+	75633878	75633897	GGGGCGGGGCTGGAGGGCAC	20124
TJU_CMC_MD2.ID00384.3p-miR	10	-	76994967	76994988	TTTCCGGGCCGACCCCCACTCT	20125
TJU_CMC_MD2.ID00385.5p-miR	10	-	77161494	77161517	CCCGGCTGGACACGCAGCGGCTCG	20126
TJU_CMC_MD2.ID00386.3p-miR	10	+	79609259	79609279	CCCAGCCCTGCTCCCTGTGGC	20127
TJU_CMC_MD2.ID00387.3p-miR	10	-	81003274	81003296	CCCGCTCGCTCCGCGCTGCCCGC	20128
TJU_CMC_MD2.ID00388.3p-miR	10	+	81892540	81892561	CTGACCGGACTGGCCCTGCTCC	20129
TJU_CMC_MD2.ID00389.5p-miR	10	-	81965291	81965312	CTGGGGCAGCCGCGCCCGCGGA	20130
TJU_CMC_MD2.ID00390.5p-miR	10	-	82263418	82263439	ACCTGAAAGTGATCTGTGATCC	20131
TJU_CMC_MD2.ID00391.5p-miR	10	+	82263385	82263406	TTTCTGAAAGTGATCTGTGATC	20132
TJU_CMC_MD2.ID00392.3p-miR	10	+	82350763	82350785	TTGGTGTCTGACTTTGCTTAGCA	20133
TJU_CMC_MD2.ID00392.5p-miR	10	+	82350723	82350743	TGTGCTAAGTGAAGTCAGACA	20134
TJU_CMC_MD2.ID00393.3p-miR	10	-	82906026	82906047	CAAGATCGTCTGTGAACTCAGG	20135
TJU_CMC_MD2.ID00394.3p-miR	10	+	84241997	84242019	TATCATGTTGTCTTTATGAGCAT	20136
TJU_CMC_MD2.ID00395.5p-miR	10	+	88471046	88471069	CGCGGCCAGCCCGCCCTGCGTCTC	20137
TJU_CMC_MD2.ID00396.3p-miR	10	+	89263680	89263703	AAAGATTCTGAGCAATAACCTATT	20138
TJU_CMC_MD2.ID00397.5p-miR	10	+	89307592	89307613	AGATTGATTGATGGCTCTGTGG	20139
TJU_CMC_MD2.ID00398.3p-miR	10	+	89440481	89440502	GGCACACAGATTAGGAAACAGA	20140
TJU_CMC_MD2.ID00399.3p-miR	10	-	91295279	91295300	CGGCCCCCGCTCCCGGATCCCC	20141
TJU_CMC_MD2.ID00400.5p-miR	10	-	91352550	91352572	AGCTTCTTTACAGTGTTGCCTTG	20142
TJU_CMC_MD2.ID00401.5p-miR	10	+	92922972	92922994	CCGCCTGGCGCCCCGGGGTCACA	20143

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TJU_CMC_MD2.ID00402.5p-miR	10	+	92980442	92980464	CCACAGAGCCGGCGCGCTCCCGC	20144
TJU_CMC_MD2.ID00403.3p-miR	10	+	93170121	93170141	GCGGCAGCAGCAGCGCCAGCC	20145
TJU_CMC_MD2.ID00404.3p-miR	10	+	94449725	94449744	GCCGGAGCGCGGCGGAGCCA	20146
TJU_CMC_MD2.ID00406.3p-miR	10	+	95562456	95562477	TTCTCAGTTGTCTCAAGTTAGA	20147
TJU_CMC_MD2.ID00407.3p-miR	10	-	97050674	97050695	TCGTCGCCCGCCACAGCCGCGC	20148
TJU_CMC_MD2.ID00408.5p-miR	10	-	98588480	98588500	ATAGATCTGGATTGGAACCCA	20149
TJU_CMC_MD2.ID00409.5p-miR	10	+	98593007	98593026	GCCCCGTCCGCCCCCCGCCT	20150
TJU_CMC_MD2.ID00411.5p-miR	10	+	100027909	100027931	CGGGGCTGGGCGGGCGCCGCGGC	20151
TJU_CMC_MD2.ID00412.3p-miR	10	-	102106566	102106588	TAGCCCAGGACCGGCCCTCGGGC	20152
TJU_CMC_MD2.ID00413.5p-miR	10	+	102351546	102351565	TCAGCAAGGTTGAAGAATAC	20153
TJU_CMC_MD2.ID00414.3p-miR	10	-	102672534	102672553	TCCCCCTCCCACCCCGTCAC	20154
TJU_CMC_MD2.ID00416.5p-miR	10	+	103051419	103051438	CCTGCCACGCGGGAGGCCTC	20155
TJU_CMC_MD2.ID00417.3p-miR	10	+	103454104	103454124	GGGGCGGGGAGCGGGCGGGCG	20156
TJU_CMC_MD2.ID00418.5p-miR	10	-	103454270	103454290	GCTGCTCATCTGCTCCTACCT	20157
TJU_CMC_MD2.ID00419.3p-miR	10	-	103662358	103662378	TTTCTACCACAGCTCTTTGTT	20158
TJU_CMC_MD2.ID00420.3p-miR	10	-	103880568	103880591	TGCCCACCCCGGCTCCGCCTCCCC	20159
TJU_CMC_MD2.ID00421.3p-miR	10	+	104139255	104139278	CCTGACCCTGCTCTTGCTCTCAGG	20160
TJU_CMC_MD2.ID00422.3p-miR	10	+	104154305	104154326	GGTCCCAGGTGGGTCGGGCGCG	20161
TJU_CMC_MD2.ID00423.3p-miR	10	+	104160013	104160035	CTCACCCTGCTTTCATCCCCAGA	20162
TJU_CMC_MD2.ID00424.5p-miR	10	+	104210199	104210218	TGCGGCGGCTTCAGCTCAGG	20163
TJU_CMC_MD2.ID00425.5p-miR	10	-	104474038	104474061	AGGAGGAGGAGGAGGGACTCGGCG	20164
TJU_CMC_MD2.ID00426.3p-miR	10	+	105037171	105037191	GGCCGCCGGCGTCCGACGGGC	20165
TJU_CMC_MD2.ID00427.5p-miR	10	+	105110367	105110388	CGGCGCACTAGGATCGGGCCGG	20166
TJU_CMC_MD2.ID00428.3p-miR	10	-	105453233	105453254	CATGCAAAGAATTGGGAGGTGA	20167
TJU_CMC_MD2.ID00429.3p-miR	10	+	105453267	105453288	GATGCAAAGAATTGGGAGGTGA	20168
TJU_CMC_MD2.ID00430.3p-miR	10	-	105978560	105978582	AGATGAGGGCAACACCCTAGGAA	20169
TJU_CMC_MD2.ID00431.5p-miR	10	-	107803725	107803745	AGAAGCACTAGTCTATGACCA	20170
TJU_CMC_MD2.ID00432.3p-miR	10	-	107964957	107964978	CACAATGAGGATTGACTCTAAC	20171
TJU_CMC_MD2.ID00433.3p-miR	10	+	110226373	110226394	CCTCCGCCTATCCCCGCTGACC	20172

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TJU_CMC_MD2.ID00434.3p-miR	10	-	112257438	112257457	CCGCGCTTCGCTGAGGGACT	20173
TJU_CMC_MD2.ID00435.3p-miR	10	+	114136715	114136736	CAAAGACCCTCAGGGAGTAAGC	20174
TJU_CMC_MD2.ID00435.5p-miR	10	+	114136686	114136706	CCACTCCCTGAGGGTCCTAAG	20175
TJU_CMC_MD2.ID00436.3p-miR	10	-	114305898	114305920	TACACACATATATACGCACACAC	20176
TJU_CMC_MD2.ID00437.3p-miR	10	+	114469014	114469035	AACACCTCAGAAAAGGGACAGA	20177
TJU_CMC_MD2.ID00439.3p-miR	10	-	115933869	115933891	TCACCGCGGTCTTTTCCTCCCAC	20178
TJU_CMC_MD2.ID00440.5p-miR	10	-	117818807	117818827	AGACTGGCCAGAGATCTTTAG	20179
TJU_CMC_MD2.ID00441.3p-miR	10	-	117818997	117819019	ACTTCGGCTGTCTGCCTCTGGCA	20180
TJU_CMC_MD2.ID00442.5p-miR	10	-	117822475	117822495	TCCTCCGTGACAGACTGCAGA	20181
TJU_CMC_MD2.ID00443.5p-miR	10	+	118927207	118927230	CGCCCGGCCTGTGTGGTGCTCAGA	20182
TJU_CMC_MD2.ID00444.5p-miR	10	-	119134836	119134856	GCCGCTCGCCCCGACCCAGCC	20183
TJU_CMC_MD2.ID00445.3p-miR	10	+	121201807	121201828	TGAGCTCTCTGCACTCCCAGGC	20184
TJU_CMC_MD2.ID00446.3p-miR	10	-	121302112	121302134	TGAGCCGGCTGAGCAGGAAGCGG	20185
TJU_CMC_MD2.ID00447.5p-miR	10	+	124176502	124176523	TGTGATGCTCAGTTGTGTGTAG	20186
TJU_CMC_MD2.ID00448.3p-miR	10	-	124176496	124176517	ACAACTGAGCATCACAGCCTGA	20187
TJU_CMC_MD2.ID00448.5p-miR	10	-	124176544	124176565	AGGCTATGATCCTCAGTTGTGT	20188
TJU_CMC_MD2.ID00449.5p-miR	10	-	125671041	125671063	GAAAGTAATGGTGGGTTTTGCCT	20189
TJU_CMC_MD2.ID00450.3p-miR	10	+	126847460	126847481	GAGCCACGGGAGGGAGTGTGTG	20190
TJU_CMC_MD2.ID00451.3p-miR	10	-	127472573	127472594	CTGTAACCTACTCTTGTACCCA	20191
TJU_CMC_MD2.ID00452.3p-miR	10	-	129215568	129215587	GGCAACGTGGCTGGGTCTAA	20192
TJU_CMC_MD2.ID00453.3p-miR	10	+	129535484	129535505	TCGCCAGTGAGTTTCGGTGCGG	20193
TJU_CMC_MD2.ID00454.3p-miR	10	+	129866366	129866387	GTCTCCCCGCGTCCCCCGCAGC	20194
TJU_CMC_MD2.ID00455.5p-miR	10	-	129906068	129906090	AGAGGCCCAGGCTCTGGAAGACC	20195
TJU_CMC_MD2.ID00456.5p-miR	10	+	131964101	131964122	TTGATTCTCATAGATTCATAAC	20196
TJU_CMC_MD2.ID00457.3p-miR	10	+	133109784	133109805	AGGGCGGCGGCGGCGGCGGCTC	20197
TJU_CMC_MD2.ID00458.5p-miR	10	+	134209540	134209562	GTCCTCAATTCCCAGGCTGGGAG	20198
TJU_CMC_MD2.ID00459.5p-miR	10	-	134598760	134598783	GTGAGCGCGGCGGGGCTCGGGAGA	20199

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TJU_CMC_MD2.ID00460.5p-miR	10	+ 135075009	135075029	GCCTGGCACCACGGGGACGCT	20200
TJU_CMC_MD2.ID00461.3p-miR	10	- 135080921	135080942	TCTCGGCCCTGTCTCCTCCAGC	20201
TJU_CMC_MD2.ID00462.3p-miR	10	- 135081622	135081643	CGCCCTGTGCTTCCTCCCCAGG	20202
TJU_CMC_MD2.ID00463.3p-miR	10	+ 135207722	135207741	GCCATGAGATTGACCCCGCG	20203
TJU_CMC_MD2.ID00464.3p-miR	11	- 268941	268962	CTCACAGCTGGCGCTGACCGCT	20204
TJU_CMC_MD2.ID00464.5p-miR	11	- 268978	269000	TGGTCAGTGCCTCCTGTGTTGGC	20205
TJU_CMC_MD2.ID00465.5p-miR	11	- 369526	369545	GGGGCGGCGGCGGGACCGAA	20206
TJU_CMC_MD2.ID00466.5p-miR	11	- 407013	407036	GCCCCAGCGTAGCACCCACCCCCC	20207
TJU_CMC_MD2.ID00467.5p-miR	11	+ 409810	409830	CTGAGGGGCAGGAGGTGGGAG	20208
TJU_CMC_MD2.ID00469.3p-miR	11	+ 488180	488200	CTGACCCTGGCGCCCACAGAC	20209
TJU_CMC_MD2.ID00470.5p-miR	11	+ 490775	490797	TGTACGTGTGTATGCGTGTGTGT	20210
TJU_CMC_MD2.ID00471.3p-miR	11	- 535530	535550	TGCCCTGCGCCCGCAACCCGA	20211
TJU_CMC_MD2.ID00472.3p-miR	11	+ 569795	569817	GTGCCCAGAGGATCACGGAGCCA	20212
TJU_CMC_MD2.ID00472.5p-miR	11	+ 569756	569778	GTGGCTCCTTGCACCTGTGGCTG	20213
TJU_CMC_MD2.ID00473.3p-miR	11	+ 591240	591259	TCCACTGCCGTGTTGCCAGC	20214
TJU_CMC_MD2.ID00474.3p-miR	11	+ 617994	618015	TGCTTGTGGACAAGGACGGCGA	20215
TJU_CMC_MD2.ID00475.3p-miR	11	- 801365	801387	TCAGGGGGCCTGTCTGCCCCAGG	20216
TJU_CMC_MD2.ID00476.3p-miR	11	- 842495	842514	GCCGCCATGATCATCCCTGT	20217
TJU_CMC_MD2.ID00477.5p-miR	11	+ 910675	910694	TCCCGGGGCCGAGCCTCGCT	20218
TJU_CMC_MD2.ID00478.3p-miR	11	+ 1358467	1358489	TCCCCCGGAGCCGCGGCCCCACC	20219
TJU_CMC_MD2.ID00479.5p-miR	11	+ 1411393	1411412	GCCCGCGGGGGCGCCCCGGC	20220
TJU_CMC_MD2.ID00480.3p-miR	11	- 1498843	1498866	TTCAGTGTCTGGTGAGGGTCCCTT	20221
TJU_CMC_MD2.ID00480.5p-miR	11	- 1498880	1498901	GGCACTGACCACGTCACTGGAT	20222
TJU_CMC_MD2.ID00481.5p-miR	11	+ 1664400	1664421	TGAGGACCCCCAGTGCCCACAG	20223
TJU_CMC_MD2.ID00482.5p-miR	11	- 1780581	1780602	CACTGACTTTCTGGGTGAACCA	20224
TJU_CMC_MD2.ID00483.3p-miR	11	+ 1857633	1857655	CTGGCTCACGCCGCTGCCTCAGA	20225
TJU_CMC_MD2.ID00484.3p-miR	11	- 2018544	2018565	CGAGGGCTGGCGGGGGAGAAGCA	20226
TJU_CMC_MD2.ID00485.5p-miR	11	- 2221641	2221660	GCCCCGACGGGGAGCCAAGA	20227
TJU_CMC_MD2.ID00486.3p-miR	11	+ 2334451	2334472	AATCCCCAAGCTTTCTGGGAGC	20228
TJU_CMC_MD2.ID00487.3p-miR	11	+ 2337784	2337806	GCCGCGGGTGTCTCCCTCCCAGG	20229
TJU_CMC_MD2.ID00488.5p-miR	11	+ 2865255	2865275	CGATGGCACCTGCCCGGATGC	20230

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TJU_CMC_MD2.ID00489.3p-miR	11	+	3349273	3349294	TGTGGCTTACAGTTTATGGGGC	20231
TJU_CMC_MD2.ID00490.5p-miR	11	+	3862989	3863010	TGCGCTCGGAGCTTTGACTTGA	20232
TJU_CMC_MD2.ID00491.5p-miR	11	+	6440660	6440680	CGGCGCCGCGGCCGCGCGGGG	20233
TJU_CMC_MD2.ID00492.5p-miR	11	+	7110843	7110862	CGCGCCGTCGGGCCCGGCTC	20234
TJU_CMC_MD2.ID00493.3p-miR	11	+	8290291	8290310	CGCGCGTCCTTCCTCCGCGC	20235
TJU_CMC_MD2.ID00494.5p-miR	11	+	8737183	8737203	CAGCTCGCTGGTGGTGCTGAG	20236
TJU_CMC_MD2.ID00495.5p-miR	11	+	8986060	8986079	GCGAAGGGCCGGGAGGCTGG	20237
TJU_CMC_MD2.ID00496.5p-miR	11	+	9113183	9113202	CCGGCCCCGCCCGCCCCCCG	20238
TJU_CMC_MD2.ID00497.3p-miR	11	+	9336358	9336381	TGCGACTCGCTGGCCCTGGCGTCT	20239
TJU_CMC_MD2.ID00498.5p-miR	11	-	9594881	9594901	CGGCCTGGACGCACCCCCCTC	20240
TJU_CMC_MD2.ID00499.3p-miR	11	+	10831047	10831068	CCGGCTCCAGGTCCTCGGCTTC	20241
TJU_CMC_MD2.ID00500.3p-miR	11	+	12132190	12132209	GTGGCCCGCGGGGCCCGATC	20242
TJU_CMC_MD2.ID00502.5p-miR	11	+	12432758	12432780	TGCTGCAAAGGTAATTGCGATCT	20243
TJU_CMC_MD2.ID00503.5p-miR	11	+	13299376	13299396	GACGGAGGTGCCTGTTTACCC	20244
TJU_CMC_MD2.ID00504.3p-miR	11	-	17229438	17229460	TGGCTCGGACTGTGGCGGCTTCG	20245
TJU_CMC_MD2.ID00505.3p-miR	11	+	18352924	18352946	TGTTGGTTTGCTGGGCGCAGTGG	20246
TJU_CMC_MD2.ID00507.3p-miR	11	+	19781597	19781618	AGGCAAATGGATAGGATAACAC	20247
TJU_CMC_MD2.ID00508.3p-miR	11	+	20402329	20402349	GCCATCGACTGATGAATAGAT	20248
TJU_CMC_MD2.ID00509.3p-miR	11	-	24608632	24608652	ATTTGTTGCCCATTTAGCCAA	20249
TJU_CMC_MD2.ID00510.5p-miR	11	-	28078412	28078433	AGCTAAATGTGTGCTGGGACAT	20250
TJU_CMC_MD2.ID00512.3p-miR	11	+	31821737	31821759	ACCACTTCCAATGCCCCATCCCC	20251
TJU_CMC_MD2.ID00513.3p-miR	11	+	32112623	32112646	CCCCTCCTCCGCGCCGGCCCCCAAC	20252
TJU_CMC_MD2.ID00515.5p-miR	11	+	33279042	33279062	GCGTCAGGAATGGGCCCCAAT	20253
TJU_CMC_MD2.ID00516.5p-miR	11	+	33397826	33397848	GCCACCCCCGTTCCCGGCAGCCT	20254
TJU_CMC_MD2.ID00517.5p-miR	11	-	33722094	33722113	GGCGGCGGGGGCCCGGTCCC	20255
TJU_CMC_MD2.ID00518.5p-miR	11	-	36189454	36189474	AGTTGGTGCACCTTCCAGACA	20256
TJU_CMC_MD2.ID00519.3p-miR	11	+	44640574	44640594	TCTGACTCTCCGCCTCTCCCC	20257
TJU_CMC_MD2.ID00520.5p-miR	11	-	45168090	45168111	GCGTCCCGACCCGGCCCCGGAG	20258
TJU_CMC_MD2.ID00521.5p-miR	11	+	45869038	45869057	AGTCATGGCGGCGACTGTGG	20259
TJU_CMC_MD2.ID00522.5p-miR	11	+	46369027	46369049	CGGCGGCGGCAGCGGCTTCCCGG	20260

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TJU_CMC_MD2.ID00523.3p-miR	11	+	46400520	46400541	TGCCATGCCTCCTGCCCTCAGC	20261
TJU_CMC_MD2.ID00524.3p-miR	11	-	46744998	46745018	TAGCACCAGGGTCCCGTGGTG	20262
TJU_CMC_MD2.ID00525.3p-miR	11	+	47291716	47291738	CGGCGCCGCGCTGGGGAGCGACT	20263
TJU_CMC_MD2.ID00526.3p-miR	11	+	47297428	47297451	ATTCCTGCTGTCTGCTTCTCAGGG	20264
TJU_CMC_MD2.ID00526.5p-miR	11	+	47297383	47297405	TACTGAGTTGCAGTAGGGTATCA	20265
TJU_CMC_MD2.ID00527.5p-miR	11	+	47430038	47430058	CGGCACGCGGCGCCTCGGGTT	20266
TJU_CMC_MD2.ID00528.3p-miR	11	-	47663997	47664016	TGGCGGACGCGGCCAGTCAG	20267
TJU_CMC_MD2.ID00529.3p-miR	11	-	47746105	47746126	AGGAGGTAGAGATGGAGGATGA	20268
TJU_CMC_MD2.ID00529.5p-miR	11	-	47746144	47746164	TCCTCCACCACCTCCTCCTGC	20269
TJU_CMC_MD2.ID00530.3p-miR	11	+	48118382	48118404	TGGGCCTTTGTTTTTACCAAGTT	20270
TJU_CMC_MD2.ID00531.5p-miR	11	-	48236637	48236658	TGATGATGAAGATGGTGAACAT	20271
TJU_CMC_MD2.ID00534.3p-miR	11	+	58346950	58346972	GCAGCTGTGTCCCGCCGGAGGAA	20272
TJU_CMC_MD2.ID00535.3p-miR	11	-	60928602	60928625	TCGCACCTCCAGTTCCGCCCCACC	20273
TJU_CMC_MD2.ID00536.3p-miR	11	+	60930002	60930024	CATGCTCAAATCTGTCTCCCCAA	20274
TJU_CMC_MD2.ID00537.3p-miR	11	+	61533411	61533431	CCGCCCCCCTTCCCCGCAGCT	20275
TJU_CMC_MD2.ID00538.5p-miR	11	+	61735266	61735288	GAGCTCGGGAGCGGGGACCGGTA	20276
TJU_CMC_MD2.ID00539.3p-miR	11	-	62370150	62370173	CGCAACTCTTCCCTCCGGCCCAGG	20277
TJU_CMC_MD2.ID00539.5p-miR	11	-	62370208	62370230	GTGAGGCCGCGGGGATCGCCGGG	20278
TJU_CMC_MD2.ID00540.3p-miR	11	+	62607529	62607551	AATGGCGCGATCTCCTCTCACCT	20279
TJU_CMC_MD2.ID00541.5p-miR	11	-	62610065	62610087	GTTGCTGGTCGGCCTGAAAGTAA	20280
TJU_CMC_MD2.ID00542.3p-miR	11	+	63987885	63987908	TCCCCCTCACCCCTCTCGCCCAGG	20281
TJU_CMC_MD2.ID00544.3p-miR	11	+	64026507	64026530	CTGACTCGTCCATGCCTGCCCAGC	20282
TJU_CMC_MD2.ID00545.3p-miR	11	-	64051735	64051758	GGGACGGGCCCTCAGGCTCCGGCA	20283
TJU_CMC_MD2.ID00546.5p-miR	11	+	64073064	64073083	GCCGCCGAGTGAGGGGACGC	20284
TJU_CMC_MD2.ID00548.3p-miR	11	+	64128584	64128606	GCACCCCTCTTGCTCCTACCAGC	20285
TJU_CMC_MD2.ID00549.3p-miR	11	-	64480415	64480436	CCCCGGGGAGCGGCCGCCCGGT	20286
TJU_CMC_MD2.ID00550.3p-miR	11	-	64507281	64507303	AGGCCACTCCTCATGCCCCCAGT	20287
TJU_CMC_MD2.ID00550.5p-miR	11	-	64507331	64507353	TGGAGGGTGAGGAGTGGCTATCA	20288
TJU_CMC_MD2.ID00551.3p-miR	11	+	64510552	64510575	TCTGGCCCGGGATGGTGCAACCCG	20289
TJU_CMC_MD2.ID00552.3p-miR	11	-	64545177	64545199	CTGTATAGACTGGGGGCCCACTA	20290

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TJU_CMC_MD2.ID00553.3p-miR	11	-	64559747	64559769	CCACTGCCTGCTCCCCTGCCAGT	20291
TJU_CMC_MD2.ID00554.3p-miR	11	-	64568504	64568525	CCATCTGTGACCCCACCTCTAG	20292
TJU_CMC_MD2.ID00555.3p-miR	11	+	64612408	64612431	CAGATCCCCGCGCGGCCCCAGACC	20293
TJU_CMC_MD2.ID00556.5p-miR	11	-	64646051	64646071	GGGCTGGGCTGTGCGCCTGCG	20294
TJU_CMC_MD2.ID00557.3p-miR	11	+	64789170	64789193	CATCAGCACCTTTGTCCTCCCAGG	20295
TJU_CMC_MD2.ID00558.3p-miR	11	-	64846373	64846396	GGAAATGGGGCCGCCTGGCCCAGC	20296
TJU_CMC_MD2.ID00558.5p-miR	11	-	64846407	64846428	CTTGGGCAGCAGCGGCAGCCAT	20297
TJU_CMC_MD2.ID00559.3p-miR	11	+	65154131	65154150	CTTAGCGGGAGCCCGAGTGC	20298
TJU_CMC_MD2.ID00560.3p-miR	11	-	65189642	65189663	CGTGGAACGCTCCGCACCCCAA	20299
TJU_CMC_MD2.ID00561.3p-miR	11	-	65244966	65244986	CTGCCCCCGCGCCGGGGCCAC	20300
TJU_CMC_MD2.ID00562.3p-miR	11	+	65309217	65309238	CGCAGCTGGAAACCCAGCCCCT	20301
TJU_CMC_MD2.ID00563.3p-miR	11	+	65326543	65326566	TGAGCTCAGGGCCTGGCCCCCTTC	20302
TJU_CMC_MD2.ID00564.5p-miR	11	+	65346461	65346482	CTGGGGGAGGAGGAAGAGGAGA	20303
TJU_CMC_MD2.ID00565.3p-miR	11	+	65416705	65416726	TCCTGCCTGACCCTGTCCCACC	20304
TJU_CMC_MD2.ID00566.5p-miR	11	-	65488018	65488040	ACTACGGCTCCCGGCAGCCCCCG	20305
TJU_CMC_MD2.ID00567.3p-miR	11	+	65625299	65625321	ACCCCTCCCCCCGCGGCCGGTGT	20306
TJU_CMC_MD2.ID00568.3p-miR	11	+	65733975	65733998	TGAGCACAGTGGGGCCCCGGCTGG	20307
TJU_CMC_MD2.ID00569.3p-miR	11	+	66025058	66025077	TGCGCCCCGGGCGGGTCCTC	20308
TJU_CMC_MD2.ID00570.3p-miR	11	+	66031489	66031510	CAACCCCTGGCTCCCTCTCCCA	20309
TJU_CMC_MD2.ID00571.3p-miR	11	-	66084399	66084420	GCCGCCTGCGGCCCCAGCAGCT	20310
TJU_CMC_MD2.ID00572.5p-miR	11	-	66106737	66106758	AGGGTATTCCTGCAGCAGCCAG	20311
TJU_CMC_MD2.ID00573.5p-miR	11	+	66392805	66392827	TGGGGCTCAGTCGGCTGCTGCGG	20312
TJU_CMC_MD2.ID00574.3p-miR	11	+	66394633	66394653	CCTGTTGGGACAGTCAGTTGG	20313
TJU_CMC_MD2.ID00574.5p-miR	11	+	66394594	66394615	TACCCTGACTGTCCCTCTGTAG	20314
TJU_CMC_MD2.ID00575.5p-miR	11	+	66610428	66610449	CGCGCCGCCCGGAAGCCACCGC	20315
TJU_CMC_MD2.ID00576.5p-miR	11	+	66701914	66701935	TATAAAATGGGGGTAGTAAGAC	20316
TJU_CMC_MD2.ID00577.3p-miR	11	+	67067269	67067288	CCTTACCAGCTCCCACCCCT	20317
TJU_CMC_MD2.ID00578.3p-miR	11	+	67074287	67074308	TGGGTTCCTCATCTCCCCCCAG	20318
TJU_CMC_MD2.ID00579.3p-miR	11	+	67085003	67085024	CCCTCGCCCTAGCCAGGGCTGC	20319
TJU_CMC_MD2.ID00580.3p-miR	11	+	67085599	67085621	CCCGCGAAGCCCCGCTTGCCCGC	20320

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TJU_CMC_MD2.ID00581.3p-miR	11	+	67140730	67140753	TCCAGGTTGCCGCCTCCCCAGGTC	20321
TJU_CMC_MD2.ID00582.3p-miR	11	-	67159260	67159279	TCCTGGCTCCCCCGGCACGC	20322
TJU_CMC_MD2.ID00583.3p-miR	11	+	67204772	67204792	CAGCCTCCCCCACCACCCCAG	20323
TJU_CMC_MD2.ID00584.5p-miR	11	+	67232606	67232627	GAGCAGTGGTGAGGGCGGGGGC	20324
TJU_CMC_MD2.ID00585.5p-miR	11	+	67272900	67272919	CCCTCCCCACCCCGGCGGGG	20325
TJU_CMC_MD2.ID00586.3p-miR	11	+	67810816	67810838	TGCCCAGCCCCGTGGCCGCCAGC	20326
TJU_CMC_MD2.ID00587.3p-miR	11	+	68850697	68850718	CCGTTTTGCTTGAAGTCGCAGT	20327
TJU_CMC_MD2.ID00588.3p-miR	11	-	71783281	71783302	AGGTCACATTGTATCCACCTTA	20328
TJU_CMC_MD2.ID00589.3p-miR	11	-	72409151	72409173	TCCCCCGGCGCCTCTCTGCCAGG	20329
TJU_CMC_MD2.ID00590.5p-miR	11	+	72929635	72929656	ACTGGACGGCTTGAACGCGCCT	20330
TJU_CMC_MD2.ID00591.3p-miR	11	+	72946837	72946857	ACGGTGGACTTAGCTCTGAGG	20331
TJU_CMC_MD2.ID00591.5p-miR	11	+	72946794	72946815	TGAGGGCTGAGTTTGCACAGTG	20332
TJU_CMC_MD2.ID00592.3p-miR	11	-	73074287	73074310	GCTCCTCCTCTGAGCTGGTGGTCT	20333
TJU_CMC_MD2.ID00593.3p-miR	11	+	73096351	73096372	TGGCACAGCTTCCTCTTTCTCT	20334
TJU_CMC_MD2.ID00594.3p-miR	11	-	74460193	74460214	CGGCGGCGCGTTGGGCGCAGCC	20335
TJU_CMC_MD2.ID00595.3p-miR	11	-	75017685	75017707	CTGCAGCCCCCAGCTCAGGCTCC	20336
TJU_CMC_MD2.ID00596.5p-miR	11	-	75046212	75046231	CCTCATCTGTCTGTTGGGCT	20337
TJU_CMC_MD2.ID00597.3p-miR	11	-	75048110	75048132	GCTTAGATCTCCCTCTCTCCCTT	20338
TJU_CMC_MD2.ID00598.3p-miR	11	+	75894780	75894801	CCCTCCAGCTCAGCCCAGGAAA	20339
TJU_CMC_MD2.ID00600.3p-miR	11	-	77185246	77185266	CGCCGCGCCGGGGAGGGGGAG	20340
TJU_CMC_MD2.ID00601.3p-miR	11	+	77300993	77301013	TACCCAGAGCCGGAGCCCGCA	20341
TJU_CMC_MD2.ID00602.3p-miR	11	+	78128926	78128949	CGCGCGCGCCCGCTCCCCCGCCCC	20342
TJU_CMC_MD2.ID00603.5p-miR	11	+	79152147	79152169	CGGCGCGGGGGGGCGCCACGCAG	20343
TJU_CMC_MD2.ID00604.3p-miR	11	+	85956100	85956123	GTCGCACGCACGCCCGCCTCGGCG	20344
TJU_CMC_MD2.ID00605.5p-miR	11	+	86326675	86326696	ATTACTATTTACCCCATACACA	20345
TJU_CMC_MD2.ID00606.5p-miR	11	+	86511600	86511622	CGGGGCAGGCATGGGAGCCGCGC	20346
TJU_CMC_MD2.ID00607.3p-miR	11	+	91957887	91957908	ACTGCGAGAGACAAGCGCGAGG	20347
TJU_CMC_MD2.ID00609.5p-miR	11	+	93466861	93466882	TTCGAGGCTACAGTGAGATGTG	20348

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TJU_CMC_MD2.ID00610.3p-miR	11	-	94800637	94800658	CCACCTGCACCCGCAGCTCGCG	20349
TJU_CMC_MD2.ID00611.5p-miR	11	-	94964264	94964286	GGAAGATGGGGGCGGGTGGAACA	20350
TJU_CMC_MD2.ID00613.3p-miR	11	-	101217287	101217307	AACTGCTCTTCTCTAATTTAA	20351
TJU_CMC_MD2.ID00614.3p-miR	11	-	107729456	107729478	CCAGCGGGCCCCGGCGCCCCAGA	20352
TJU_CMC_MD2.ID00615.5p-miR	11	+	108369215	108369236	CGCAGGCTCCCTTTCCCGCCCG	20353
TJU_CMC_MD2.ID00616.5p-miR	11	-	109292918	109292941	AGTGGCGGCTGCAGAAAGCGTGGA	20354
TJU_CMC_MD2.ID00619.5p-miR	11	-	113746198	113746218	TGCGGAGCTGCAGCAGGACGA	20355
TJU_CMC_MD2.ID00620.3p-miR	11	-	116969046	116969068	CCCGCGGGCCGCCTGCTGCCTCC	20356
TJU_CMC_MD2.ID00621.3p-miR	11	-	117392410	117392432	TCCGCCCTCCTCAGTGAGCCAGA	20357
TJU_CMC_MD2.ID00622.3p-miR	11	-	117522554	117522576	GCTCGGGGAGACATCGGGGATGA	20358
TJU_CMC_MD2.ID00623.3p-miR	11	+	117534238	117534258	TCCATGGTACTTCCTGCCCCT	20359
TJU_CMC_MD2.ID00623.5p-miR	11	+	117534205	117534226	TGGCAGGAAGTACCATGGAGAT	20360
TJU_CMC_MD2.ID00624.3p-miR	11	+	118501713	118501734	ACAACAGCCTCGTTCTTCCTGC	20361
TJU_CMC_MD2.ID00625.5p-miR	11	+	118784503	118784523	CAGTCCTCTCTCTGCCCCAGA	20362
TJU_CMC_MD2.ID00626.5p-miR	11	-	118965404	118965423	TCCGGTAGGGTTCGGGCCTT	20363
TJU_CMC_MD2.ID00627.5p-miR	11	-	118977779	118977800	GATTTTCCACAGGTCGGACGCCT	20364
TJU_CMC_MD2.ID00628.5p-miR	11	-	119039606	119039625	CCCGCCTGCGCGGCCCTGGC	20365
TJU_CMC_MD2.ID00629.3p-miR	11	-	120207133	120207153	TCTCCCGGCGCAGGGCCGGCT	20366
TJU_CMC_MD2.ID00630.3p-miR	11	+	120207168	120207188	CCTCCCGGACCAGGGCTTCCA	20367
TJU_CMC_MD2.ID00631.5p-miR	11	+	120207279	120207298	AAGGGATGGGGAGCAGTCCG	20368
TJU_CMC_MD2.ID00632.3p-miR	11	-	120388141	120388162	CCCTGGGGCAAACGATGCCAGC	20369
TJU_CMC_MD2.ID00633.3p-miR	11	+	121163505	121163526	GCGGCGGCGGACCACCTCCAGG	20370
TJU_CMC_MD2.ID00634.5p-miR	11	+	121323104	121323126	CTGCCGCCCGGAGCTCTCTGCGA	20371
TJU_CMC_MD2.ID00635.5p-miR	11	-	121353212	121353233	AGGAGCAGCCTTCTCTGGGGAA	20372
TJU_CMC_MD2.ID00637.5p-miR	11	-	121563202	121563223	TGAAGTATCAAAGCACACAGTTGA	20373
TJU_CMC_MD2.ID00640.3p-miR	11	-	122928627	122928648	ATTCCTTTTTCTCTTCCTCAGA	20374
TJU_CMC_MD2.ID00640.5p-miR	11	-	122928671	122928692	TCAGGGAGAAAGAAGGGTTATT	20375
TJU_CMC_MD2.ID00642.3p-miR	11	+	124632317	124632339	CGCGGACGGCGGGACCCTGCGGC	20376
TJU_CMC_MD2.ID00643.3p-miR	11	+	124669426	124669446	GGGGCCCCGGCGGTGGGGGCA	20377
TJU_CMC_MD2.ID00644.5p-miR	11	+	124744645	124744667	CCCTGGTGGCCTCTGCTGAATGG	20378

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TJU_CMC_MD2.ID00645.5p-miR	11	+	126138710	126138729	GCAGAGGAGCTGGGGCCGGC	20379
TJU_CMC_MD2.ID00646.5p-miR	11	+	128611488	128611510	AAGCCTTTGTGTCCCCTTCTCCT	20380
TJU_CMC_MD2.ID00647.3p-miR	11	-	130113782	130113803	CTGCTCCCTGCTTAATGTGTGT	20381
TJU_CMC_MD2.ID00648.5p-miR	11	+	130297698	130297719	GGAGGGGGCGGGCTCCGGCGGG	20382
TJU_CMC_MD2.ID00649.3p-miR	11	-	130442143	130442163	ATTCCCAGTCCAGTGCAAGAG	20383
TJU_CMC_MD2.ID00649.5p-miR	11	-	130442178	130442198	TTTGCACTGGACTGGGAATGA	20384
TJU_CMC_MD2.ID00650.5p-miR	11	+	130442145	130442165	CTTGCACTGGACTGGGAATGA	20385
TJU_CMC_MD2.ID00651.3p-miR	11	+	132998416	132998437	TGTGTAGGGCATGGCTCAGACT	20386
TJU_CMC_MD2.ID00651.5p-miR	11	+	132998373	132998395	CCTGAGCCAAGTTCTCCACTCCA	20387
TJU_CMC_MD2.ID00652.5p-miR	11	-	133012775	133012795	AGGCACTTGGAGTTCTTTGCC	20388
TJU_CMC_MD2.ID00653.3p-miR	11	+	133012773	133012795	TGGGCAAAGAACTCCAAGTGCCT	20389
TJU_CMC_MD2.ID00654.3p-miR	11	-	133027227	133027247	GAGAGCTCCGACTGCAGCTGC	20390
TJU_CMC_MD2.ID00655.3p-miR	12	-	672122	672144	TCTCGGGGAATGCAGAGCCCACT	20391
TJU_CMC_MD2.ID00656.5p-miR	12	-	737486	737507	TCTGAGATCTCTATGAGGAGGC	20392
TJU_CMC_MD2.ID00657.3p-miR	12	+	737486	737507	GCCTCCTCATAGAGATCTCAGA	20393
TJU_CMC_MD2.ID00657.5p-miR	12	+	737443	737464	TCTGAGATCTCTATGAGGAGTC	20394
TJU_CMC_MD2.ID00658.5p-miR	12	+	751971	751992	CGGGCCCCGAGCGCGCCGCAGA	20395
TJU_CMC_MD2.ID00659.3p-miR	12	+	1906290	1906312	GCCTCGGCGGGGTGGGCTCGACA	20396
TJU_CMC_MD2.ID00660.5p-miR	12	+	1914342	1914365	GAGGACCCCCCCTGCCTGGCCTTC	20397
TJU_CMC_MD2.ID00662.3p-miR	12	-	2786438	2786457	GACCCTGACTGGAGGTCAGA	20398
TJU_CMC_MD2.ID00663.5p-miR	12	-	3186342	3186364	GAGCCCGGGGACGGGGCACGGGG	20399
TJU_CMC_MD2.ID00664.3p-miR	12	-	6438788	6438811	CTCACCGGCCCGCGTCCCCGCAGC	20400
TJU_CMC_MD2.ID00665.3p-miR	12	+	6533161	6533183	TCCCTCCTCCCTGGGGAAAATCT	20401
TJU_CMC_MD2.ID00666.3p-miR	12	+	6749733	6749754	CTGCCTTCTCCCATGCCTCAGC	20402
TJU_CMC_MD2.ID00667.5p-miR	12	+	6875533	6875552	GCTGGTCGGCGGCAGCTCTG	20403
TJU_CMC_MD2.ID00668.3p-miR	12	+	7060529	7060550	CAGCCCCAGAACTGGGACCACC	20404
TJU_CMC_MD2.ID00669.3p-miR	12	+	7069224	7069247	CCTGAGGTTTGACTGCCCCCCACC	20405
TJU_CMC_MD2.ID00670.3p-miR	12	-	8781593	8781614	GAACAGCAAGGTTGTGAGGACA	20406
TJU_CMC_MD2.ID00671.5p-miR	12	+	8850369	8850389	ACGCAGGTGTCAGATCCGCTC	20407
TJU_CMC_MD2.ID00672.3p-miR	12	+	10366107	10366129	AGACCGTGTGTGGGTTGCGGTGC	20408
TJU_CMC_MD2.ID00672.5p-miR	12	+	10366075	10366096	ACTCAGCAACCCACACACGGTC	20409

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TJU_CMC_MD2.ID00673.3p-miR	12	+	11403694	11403715	ATGCATGCTGGGCTTGTAACCT	20410
TJU_CMC_MD2.ID00674.3p-miR	12	+	11802450	11802471	CGCGGCCCCACGCGGCCCCGCT	20411
TJU_CMC_MD2.ID00675.3p-miR	12	+	11802830	11802850	CCGCCGCGCTCGGGCCCGTCT	20412
TJU_CMC_MD2.ID00676.3p-miR	12	+	12019940	12019960	TGCAGCATAGGGCAGTTAGGA	20413
TJU_CMC_MD2.ID00677.3p-miR	12	+	12603225	12603246	ACCTCCTTCCTTTTACAGATGA	20414
TJU_CMC_MD2.ID00678.3p-miR	12	-	12869949	12869969	GGCGCCTAAGCCCCGACCTCC	20415
TJU_CMC_MD2.ID00680.5p-miR	12	+	13154129	13154150	AGCCCCGCCGGAGCGCCCGAGA	20416
TJU_CMC_MD2.ID00681.5p-miR	12	+	17407814	17407834	TCTCCCACAAAGTTGCAGTCA	20417
TJU_CMC_MD2.ID00682.3p-miR	12	+	19282553	19282574	GGGGGCCGGACCCTGCCGGGGC	20418
TJU_CMC_MD2.ID00684.3p-miR	12	+	25019104	25019125	GCGACCGGCTGGCCCTGCCAGC	20419
TJU_CMC_MD2.ID00686.3p-miR	12	+	27397235	27397257	CTGAGCCGGCCGCGGGCGCGACC	20420
TJU_CMC_MD2.ID00687.3p-miR	12	+	29935862	29935883	TCCTGAACCCACGCAGCCCTGT	20421
TJU_CMC_MD2.ID00688.3p-miR	12	-	31881942	31881963	GAGGCTTCAGACGCTGCAGCGA	20422
TJU_CMC_MD2.ID00689.3p-miR	12	-	46121582	46121603	CCGGGGAGGTGGAGAAGCTCGC	20423
TJU_CMC_MD2.ID00690.5p-miR	12	+	46123156	46123175	GCGCCCCCGGCAGCAGCACC	20424
TJU_CMC_MD2.ID00692.3p-miR	12	-	48151826	48151847	TGAGAGCTGCTGGCAGGTGGGC	20425
TJU_CMC_MD2.ID00693.5p-miR	12	+	48282911	48282933	CATGTCACTTCCTCTCTGATGGC	20426
TJU_CMC_MD2.ID00694.5p-miR	12	-	49454244	49454266	CCATGCACCTCTAGGCCGCCTGC	20427
TJU_CMC_MD2.ID00695.3p-miR	12	+	49760892	49760915	GTCGGAGCCCGCCTCTCGCCGCCC	20428
TJU_CMC_MD2.ID00696.5p-miR	12	+	49951925	49951947	AGGCCTCTCCTCGGCCTGCTCCT	20429
TJU_CMC_MD2.ID00697.3p-miR	12	-	50451268	50451289	ACCCAGGGCTCCCCGCGCCGCC	20430
TJU_CMC_MD2.ID00698.3p-miR	12	+	50516518	50516540	ACAGTCTTCCTCTGTTACCTAGG	20431
TJU_CMC_MD2.ID00699.3p-miR	12	-	50627928	50627950	CAAATCTCCGGACCACTTAGTCT	20432
TJU_CMC_MD2.ID00700.5p-miR	12	+	52430904	52430923	CCCCGCCCCGCCCGCCGGGG	20433
TJU_CMC_MD2.ID00701.5p-miR	12	-	52502653	52502674	CCTGATGGCACAGGCGGTGTAC	20434
TJU_CMC_MD2.ID00702.5p-miR	12	-	52984825	52984845	TTGTTGAACTAGGGCAGGATC	20435
TJU_CMC_MD2.ID00703.3p-miR	12	+	53454438	53454459	ATCTGCCCTTCCACCCTACAGC	20436
TJU_CMC_MD2.ID00704.5p-miR	12	-	53774443	53774466	GAGGGCGGACCAGGCAGGCGGTTG	20437
TJU_CMC_MD2.ID00705.3p-miR	12	+	56122991	56123010	GGCGCCCACCCCCGCAAAGG	20438
TJU_CMC_MD2.ID00706.5p-miR	12	-	56497946	56497967	GGGCAGTGTCTACACCTAGGTC	20439

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TJU_CMC_MD2.ID00707.5p-miR	12	-	56740739	56740760	CAGCTGCTCTCTGTGCTCCAGA	20440
TJU_CMC_MD2.ID00708.5p-miR	12	+	56873861	56873883	TTCCTGTCCTTTTTCCAGAGGGT	20441
TJU_CMC_MD2.ID00709.3p-miR	12	-	57499126	57499146	CCCTTGTGTCCTCCTCACTCC	20442
TJU_CMC_MD2.ID00710.3p-miR	12	+	57573808	57573831	CCTCTTGGCACCCTCCCCCCAGGA	20443
TJU_CMC_MD2.ID00711.3p-miR	12	-	57824537	57824559	GTGGGCCCGGGCGGCGGGCGGAG	20444
TJU_CMC_MD2.ID00712.3p-miR	12	-	58145524	58145545	TTGGTGATAGGAGTCTGTGATT	20445
TJU_CMC_MD2.ID00713.5p-miR	12	+	64217443	64217466	AAAGCAAATGTTGGGTGAACGGCT	20446
TJU_CMC_MD2.ID00714.3p-miR	12	-	65004736	65004759	GCAGAAGCCGGCCCTCAGCCTCCC	20447
TJU_CMC_MD2.ID00715.3p-miR	12	+	65806403	65806424	CAAAAACGCAATTACTTTAGCA	20448
TJU_CMC_MD2.ID00717.3p-miR	12	+	68042563	68042584	TTCGGTCCTCGCAGCGCTTCCA	20449
TJU_CMC_MD2.ID00718.5p-miR	12	-	68894176	68894197	TCTGCTCTGGTTATGTAGAGGC	20450
TJU_CMC_MD2.ID00719.5p-miR	12	+	69202131	69202153	AGCGCCCAGTGCCCTGGCCCGGA	20451
TJU_CMC_MD2.ID00721.5p-miR	12	+	70631129	70631151	TGCCACACCTCTTCTCCCTACCT	20452
TJU_CMC_MD2.ID00722.5p-miR	12	+	76425256	76425275	AGCGGCGGCGGCGGCTCTGG	20453
TJU_CMC_MD2.ID00723.5p-miR	12	+	81226339	81226361	CCTGGACTTACCATTTGAAGGTG	20454
TJU_CMC_MD2.ID00725.3p-miR	12	-	81329532	81329552	TCAGGAGACAAGCAGGTTTAC	20455
TJU_CMC_MD2.ID00727.3p-miR	12	+	90102725	90102748	CGGCTCCGCAGAGCGGCACACAGG	20456
TJU_CMC_MD2.ID00728.3p-miR	12	+	90300337	90300358	TTAACCTACTAGAGTCACTGTG	20457
TJU_CMC_MD2.ID00729.5p-miR	12	-	92539385	92539404	CCGCCCGGTGAGGAAGCCCG	20458
TJU_CMC_MD2.ID00730.3p-miR	12	-	93771471	93771490	CCCAGCGTGGGATGACCGTG	20459
TJU_CMC_MD2.ID00731.5p-miR	12	-	94543080	94543099	CGGCCGCCCCCTCGCGGTAG	20460
TJU_CMC_MD2.ID00732.3p-miR	12	+	95266904	95266924	GCGCCGTCGGCGGGCCGTGCC	20461
TJU_CMC_MD2.ID00733.5p-miR	12	-	95342606	95342625	CTGCCCCGGGTGATGCAGCC	20462
TJU_CMC_MD2.ID00734.5p-miR	12	+	95702201	95702220	TGGTTTTGTTTGGGTTTGTT	20463
TJU_CMC_MD2.ID00735.3p-miR	12	+	96418860	96418880	GCAGTGTTTCCTACTCTATGG	20464
TJU_CMC_MD2.ID00736.5p-miR	12	+	97662479	97662501	GTCCAGTTTCTTCCTTGGCTTCT	20465
TJU_CMC_MD2.ID00737.3p-miR	12	+	97957651	97957671	TGTAGGGATGGAAGCCATGAA	20466
TJU_CMC_MD2.ID00738.5p-miR	12	-	98909653	98909674	ACCGAGGGGTCTTCCAGGAACT	20467

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TJU_CMC_MD2.ID00739.3p-miR	12	-	99288582	99288604	CAAGCTCCGCGCCTCTCCCGCCC	20468
TJU_CMC_MD2.ID00740.3p-miR	12	-	104458184	104458204	CCGCGGGCAGTGGAGAGACGC	20469
TJU_CMC_MD2.ID00741.3p-miR	12	+	104458593	104458613	CCGCCCGGTCACTGCTTCCTT	20470
TJU_CMC_MD2.ID00742.3p-miR	12	-	104985423	104985444	GCTGTGGGACCTCTGGCCTTGA	20471
TJU_CMC_MD2.ID00743.5p-miR	12	+	105394379	105394400	CCACCCATACTGCAGCAAAAGT	20472
TJU_CMC_MD2.ID00744.3p-miR	12	-	105478079	105478101	AGGGCCGGGGCGGTGGGGCTGGG	20473
TJU_CMC_MD2.ID00746.5p-miR	12	+	107006980	107007001	ATGGTCTGGCAAACAAAAATCA	20474
TJU_CMC_MD2.ID00747.3p-miR	12	+	107036104	107036126	TAATGACACTCAGGGCACAGTGG	20475
TJU_CMC_MD2.ID00748.3p-miR	12	+	107712262	107712283	CAGGGCCGGGAACTGGGAGCCG	20476
TJU_CMC_MD2.ID00749.3p-miR	12	+	107779185	107779205	ACTTACACACATTTGCATTGC	20477
TJU_CMC_MD2.ID00751.3p-miR	12	-	109042148	109042167	ATTAAAGGAGCCAAGTGTGG	20478
TJU_CMC_MD2.ID00752.3p-miR	12	+	109592445	109592467	TAGGCGGGCGCGATGGCCCGGGA	20479
TJU_CMC_MD2.ID00753.3p-miR	12	+	109703173	109703194	CATCCTCTGCCCCCTCCCCAGG	20480
TJU_CMC_MD2.ID00754.3p-miR	12	+	110788181	110788201	TCTACCAACCCTGTGCATGAC	20481
TJU_CMC_MD2.ID00755.3p-miR	12	+	110906594	110906615	AACGGCTTCGGAGGGGCGAGAA	20482
TJU_CMC_MD2.ID00755.5p-miR	12	+	110906561	110906581	CCCGCTCTCCCGAAGCTGTTC	20483
TJU_CMC_MD2.ID00756.3p-miR	12	-	111020731	111020753	CGGCGGCGGCGGCGACTACGGAC	20484
TJU_CMC_MD2.ID00757.3p-miR	12	+	111779562	111779582	CTCCCTCTCTTCCTGGCCCCA	20485
TJU_CMC_MD2.ID00757.5p-miR	12	+	111779520	111779542	GCTGGCCAGGAACTTTTGGGATG	20486
TJU_CMC_MD2.ID00758.5p-miR	12	-	112475467	112475488	ATCACCAATAATGGGACACTAA	20487
TJU_CMC_MD2.ID00759.5p-miR	12	+	113735033	113735053	TGCCAGCTGCAGTGACCCTGC	20488
TJU_CMC_MD2.ID00760.3p-miR	12	+	113826242	113826264	TGCGGCTCTGCCCTGTCCCCAGG	20489
TJU_CMC_MD2.ID00761.3p-miR	12	-	115174370	115174389	CCCCCTGGGCCTATCCGCCT	20490
TJU_CMC_MD2.ID00762.3p-miR	12	-	116429177	116429199	TTGGGAAGAATTCTGATATTGGT	20491
TJU_CMC_MD2.ID00764.5p-miR	12	-	117628027	117628047	TGTGGAAGGAGCAGTTCCGGG	20492
TJU_CMC_MD2.ID00765.5p-miR	12	-	120426937	120426959	TTGCCGGCGCCTGACGCGCGCGG	20493
TJU_CMC_MD2.ID00766.5p-miR	12	-	120638889	120638911	TCTCTCGCCAGGCGTCCTCGTGG	20494
TJU_CMC_MD2.ID00767.3p-miR	12	-	120907376	120907398	GGACGAGCGCGGCGGCGAGGGCG	20495
TJU_CMC_MD2.ID00768.3p-miR	12	+	120934183	120934205	CCAACTCAACCCCTTACCCCAGG	20496
TJU_CMC_MD2.ID00769.5p-miR	12	-	120966895	120966916	GGAGCTATTGCGGCCGTGGGTG	20497

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TJU_CMC_MD2.ID00770.3p-miR	12	+	121174767	121174789	TGCCGTCCTTCCCTGTGCCCAGG	20498
TJU_CMC_MD2.ID00772.3p-miR	12	-	121442297	121442319	ACCCAGGGTACCCTCTCGTTGCA	20499
TJU_CMC_MD2.ID00772.5p-miR	12	-	121442342	121442361	ACAGCGAGAGGCAGCTCTGG	20500
TJU_CMC_MD2.ID00773.3p-miR	12	-	121706715	121706737	CGACCGTGAGCCTCAGGAACACC	20501
TJU_CMC_MD2.ID00774.3p-miR	12	-	122016889	122016911	GAGAGGCGACCTCCAGCCCCCAC	20502
TJU_CMC_MD2.ID00775.3p-miR	12	+	122076810	122076832	ACTTGCAAGGCCCAGGTGAGGAG	20503
TJU_CMC_MD2.ID00776.3p-miR	12	+	122238888	122238909	GGCCCAGCCGCGACGGGCTCGA	20504
TJU_CMC_MD2.ID00776.5p-miR	12	+	122238849	122238872	GCAGCCCTGCCCGGCTGGGCCCGC	20505
TJU_CMC_MD2.ID00777.3p-miR	12	+	122255576	122255598	TCTCCTCCTCCTCAACCTCATCC	20506
TJU_CMC_MD2.ID00778.3p-miR	12	+	123125901	123125922	CTATCCCGGCACTTTTAGGAGA	20507
TJU_CMC_MD2.ID00779.3p-miR	12	+	123463279	123463300	ACCCCAGGAATCCCCTCCCAGG	20508
TJU_CMC_MD2.ID00780.3p-miR	12	-	123470897	123470918	CCGTCCTCACTGACCCCGCAGT	20509
TJU_CMC_MD2.ID00781.3p-miR	12	-	123756300	123756322	CGGCGCGGCCCGAGCCGCCGACA	20510
TJU_CMC_MD2.ID00782.3p-miR	12	+	124196965	124196986	CGCTGCAGTCTGGAGCCCCATA	20511
TJU_CMC_MD2.ID00783.3p-miR	12	-	124230945	124230966	AATGAGGTATTCAGGGCTGAGA	20512
TJU_CMC_MD2.ID00784.3p-miR	12	+	124496377	124496398	TGAGAGCCCCTTGGAATGTTGA	20513
TJU_CMC_MD2.ID00786.5p-miR	12	-	125035328	125035351	CACGGGGGCTTTGCTGGGTCAGCC	20514
TJU_CMC_MD2.ID00787.3p-miR	12	-	125051683	125051702	AGCAAGGCGCCCCGCCGACA	20515
TJU_CMC_MD2.ID00788.5p-miR	12	-	125399168	125399191	CGTCGCAGCCGGGATTTGGGTCGC	20516
TJU_CMC_MD2.ID00789.5p-miR	12	+	125400111	125400132	TCTGGTTTCAATGGGTACGATT	20517
TJU_CMC_MD2.ID00791.5p-miR	12	+	128752949	128752972	CCGCGGGGCAGGCGGGGAGCAAGG	20518
TJU_CMC_MD2.ID00792.3p-miR	12	-	129338235	129338256	CCCGCGTCCCCGCCCCCCGGCC	20519
TJU_CMC_MD2.ID00793.5p-miR	12	-	131299493	131299515	CACGCCACTGTGCCTTGCTTAAA	20520
TJU_CMC_MD2.ID00794.3p-miR	12	-	132313163	132313182	TCCTCGGCGCGCGGCGCGGG	20521
TJU_CMC_MD2.ID00795.5p-miR	12	+	132379184	132379205	GTCTCAGGCTCTGAGGCCCGGG	20522
TJU_CMC_MD2.ID00796.3p-miR	12	+	132381122	132381143	TCCTCCGTCCGCCTCTCAGAGC	20523
TJU_CMC_MD2.ID00797.3p-miR	12	+	132393421	132393442	TCCTGACGCTTCTCTCCCGCAG	20524
TJU_CMC_MD2.ID00798.3p-miR	12	-	132906081	132906104	GCCCGCGCCTTCCCCGCCGCCCCC	20525
TJU_CMC_MD2.ID00799.3p-miR	12	-	133159729	133159750	GCGCGGGCATCTTGGCGGCCTC	20526
TJU_CMC_MD2.ID00800.5p-miR	12	-	133372608	133372631	GCGAGGCCGCCTCCAGGGAGGACA	20527

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TJU_CMC_MD2.ID00801.5p-miR	13	-	19239755	19239776	TCGCCGACCAGGTAGGGCACCA	20528
TJU_CMC_MD2.ID00802.5p-miR	13	+	20495859	20495880	TAGGTCTTTAACACAACTTGAC	20529
TJU_CMC_MD2.ID00803.5p-miR	13	+	21476972	21476991	CAGGGCCGTCGCAGCCGCTG	20530
TJU_CMC_MD2.ID00805.3p-miR	13	-	24040488	24040508	TGCCCGCTTCCGCTCGCTCCC	20531
TJU_CMC_MD2.ID00807.5p-miR	13	-	27335029	27335049	GAGCAGCCCTGACCCGTGGGG	20532
TJU_CMC_MD2.ID00808.3p-miR	13	-	29106657	29106678	CGCAGCCGCCACCCGGCCTGGC	20533
TJU_CMC_MD2.ID00809.3p-miR	13	-	29293040	29293060	GCAGGGCCGCTGACCGACCGA	20534
TJU_CMC_MD2.ID00810.3p-miR	13	+	30510274	30510295	TCAGCCTCCCAGAACAGGGAAG	20535
TJU_CMC_MD2.ID00810.5p-miR	13	+	30510238	30510259	TGCCTGTTTGGGGAAGCTGGTC	20536
TJU_CMC_MD2.ID00811.3p-miR	13	+	31038832	31038855	CGTCTTCTCCGCCTGCGCCGCCGC	20537
TJU_CMC_MD2.ID00812.5p-miR	13	+	33182410	33182433	TCTACCTGATATAACCCCAACTGA	20538
TJU_CMC_MD2.ID00813.5p-miR	13	+	33590516	33590539	CGCGGCGGGGCGCGGGCATAAAGG	20539
TJU_CMC_MD2.ID00814.5p-miR	13	+	33924205	33924225	CGCGCGCGTCCGGCACGGAGC	20540
TJU_CMC_MD2.ID00816.3p-miR	13	-	36687607	36687628	TTGATATTTACTTAAATCCTGA	20541
TJU_CMC_MD2.ID00817.3p-miR	13	-	39611945	39611965	GGGGCCGAGGTATCCAGGAGT	20542
TJU_CMC_MD2.ID00818.3p-miR	13	-	41065162	41065183	TTCTACCTTCTGGAAGATGCCT	20543
TJU_CMC_MD2.ID00819.3p-miR	13	-	47102081	47102102	AGCCACGATTACATTTGCACCA	20544
TJU_CMC_MD2.ID00821.3p-miR	13	+	49107083	49107105	TGCCCCAGTGGTACCTGACAGCA	20545
TJU_CMC_MD2.ID00822.5p-miR	13	-	50698947	50698968	CGTGCCCCCTGGCTCTGGTGCC	20546
TJU_CMC_MD2.ID00823.3p-miR	13	-	50945684	50945706	CAATCCAGTCTGATGCCTGTGCA	20547
TJU_CMC_MD2.ID00824.5p-miR	13	+	51904919	51904939	CACTGGGCACCAAGTCTGTGT	20548
TJU_CMC_MD2.ID00825.3p-miR	13	+	55161809	55161830	GTTCATAGATTTCGTGTGTGTG	20549
TJU_CMC_MD2.ID00826.5p-miR	13	-	60971526	60971548	GCCACTTACCAACCCGCCTGGGA	20550
TJU_CMC_MD2.ID00827.3p-miR	13	-	64315699	64315720	TGGCTCTTAGGACCCGCGTCGC	20551
TJU_CMC_MD2.ID00828.5p-miR	13	+	73633555	73633577	CAAGCCGGTGCTGGGCGCCGCGA	20552
TJU_CMC_MD2.ID00829.5p-miR	13	-	77123012	77123033	TTTCAGTTTGTACCATTGTTTG	20553
TJU_CMC_MD2.ID00830.5p-miR	13	+	77566336	77566357	CTCGCGGTGGTTCCGGGCTGGT	20554
TJU_CMC_MD2.ID00831.5p-miR	13	+	77600943	77600964	CCTGCCCCTCCGCCGTTACCTG	20555
TJU_CMC_MD2.ID00832.5p-miR	13	+	78585870	78585889	TGAGGTAGTAGTTGTCCTAC	20556

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TJU_CMC_MD2.ID00833.5p-miR	13	+	80583254	80583276	ACCGGTAAGTTTGATATTCATGC	20557
TJU_CMC_MD2.ID00835.5p-miR	13	+	81917925	81917946	TGTCCCAGTTTCCACGTATCAC	20558
TJU_CMC_MD2.ID00836.5p-miR	13	+	90882764	90882787	TCCCGGATCTCCGTGTCCCGCTCT	20559
TJU_CMC_MD2.ID00837.5p-miR	13	+	92003138	92003157	TTTGTTTGCAGTCCTCTGTT	20560
TJU_CMC_MD2.ID00838.3p-miR	13	+	94416493	94416514	CAAATCAGACTCCTCCAATCCT	20561
TJU_CMC_MD2.ID00839.3p-miR	13	+	95254141	95254164	CGGCTGGGAGCCGAGGCGTCGGTG	20562
TJU_CMC_MD2.ID00840.3p-miR	13	-	95829975	95829997	CAGTAGATGCGGAAGTTAGCAGA	20563
TJU_CMC_MD2.ID00840.5p-miR	13	-	95830011	95830032	TGCTGACATCTATCTCCTGGAC	20564
TJU_CMC_MD2.ID00841.3p-miR	13	-	96564598	96564621	GCTAAAGGATATTTTGGGTTCAGA	20565
TJU_CMC_MD2.ID00842.3p-miR	13	+	98860838	98860858	AACCCCTATGTTACCAGACGA	20566
TJU_CMC_MD2.ID00843.5p-miR	13	-	110438870	110438892	TCGCCGTTGGCAGCAGCAGCAGC	20567
TJU_CMC_MD2.ID00844.3p-miR	13	+	110574285	110574306	CGCAGTTACTTTTGCAACAACC	20568
TJU_CMC_MD2.ID00845.3p-miR	13	-	110889375	110889397	TCTGGGGCCCTGGGCAGACCTCC	20569
TJU_CMC_MD2.ID00846.3p-miR	13	+	110959656	110959677	ACCAGGGCTCCGCGCTCCGCAC	20570
TJU_CMC_MD2.ID00847.3p-miR	13	+	111509281	111509302	CCATTGCTTTCCATGTAGACCT	20571
TJU_CMC_MD2.ID00848.5p-miR	13	-	111567301	111567323	GTCCTCTAGGCCAGCGAGCCCCG	20572
TJU_CMC_MD2.ID00849.3p-miR	13	-	113548474	113548495	CCCCCTCTCCCCCTCTCCCACC	20573
TJU_CMC_MD2.ID00850.3p-miR	13	-	113548623	113548644	GGGGAGAGAGAAGGGGCGGGGC	20574
TJU_CMC_MD2.ID00851.5p-miR	13	-	113744321	113744340	CCCGATGCGGAGGCGGGTCC	20575
TJU_CMC_MD2.ID00852.5p-miR	13	-	113952038	113952059	GACAGACCTTAGAGGAGCCAGG	20576
TJU_CMC_MD2.ID00853.5p-miR	13	-	114144957	114144976	TGGCCCGGCGTCGCCTCTGC	20577
TJU_CMC_MD2.ID00854.5p-miR	13	+	114239141	114239163	GCCCCGCGCTCCGCACCGCGCCC	20578
TJU_CMC_MD2.ID00855.5p-miR	13	-	114239767	114239787	CAGCGCCTCCCTCCCGCCGCT	20579
TJU_CMC_MD2.ID00856.3p-miR	13	-	114853060	114853080	CCCGGGGCCCTCCCTCCAGAG	20580
TJU_CMC_MD2.ID00857.5p-miR	13	-	114898017	114898039	CTCCTCCTGCTCGGCCTGAGCTG	20581
TJU_CMC_MD2.ID00858.5p-miR	14	-	20811374	20811397	TGGGCAGGAGATGCCGTGGACCCC	20582
TJU_CMC_MD2.ID00859.5p-miR	14	-	20887856	20887877	TTCTCCACTAGGGCACCAGACA	20583
TJU_CMC_MD2.ID00860.3p-miR	14	+	21637654	21637676	GTCTGTGGGGACCAGAGGCTGGT	20584
TJU_CMC_MD2.ID00861.3p-miR	14	-	22387622	22387642	ACAGCACTTACTTTTGCACCA	20585

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TJU_CMC_MD2.ID00862.3p-miR	14	+	23342498	23342520	TGTCCTACCTTCCTCTCTCCAGC	20586
TJU_CMC_MD2.ID00863.5p-miR	14	-	23450027	23450048	TGCGCGGGTGGGGGGGCGGGGC	20587
TJU_CMC_MD2.ID00864.3p-miR	14	+	23790990	23791012	GGTCGAGGGTGACCCGGGGGACG	20588
TJU_CMC_MD2.ID00865.5p-miR	14	-	23816145	23816166	TCCTCCTCTGTCTCCCCCCAGG	20589
TJU_CMC_MD2.ID00866.3p-miR	14	+	23961588	23961610	TCTATGAGAGTACCGTTTCCCTT	20590
TJU_CMC_MD2.ID00867.3p-miR	14	-	24520790	24520812	TCCTTCCCCACCCTCGCCCGACT	20591
TJU_CMC_MD2.ID00868.5p-miR	14	+	24616546	24616566	TGGCGCGCTCTGAGGGAGGAG	20592
TJU_CMC_MD2.ID00869.3p-miR	14	+	24838945	24838966	CCAGCATCCGCATCACCTCCAT	20593
TJU_CMC_MD2.ID00870.5p-miR	14	-	31343653	31343674	CCCCGGGGCCCGGCGGCGACTT	20594
TJU_CMC_MD2.ID00871.3p-miR	14	-	32434764	32434784	CTTGAGAATCGGAAGGCCCAG	20595
TJU_CMC_MD2.ID00872.3p-miR	14	-	32545970	32545992	CTCGCGTCCCCGCTCCCTCCTCC	20596
TJU_CMC_MD2.ID00874.3p-miR	14	+	34488699	34488720	GTGCCCAGCCTGGTTTGCCTTC	20597
TJU_CMC_MD2.ID00875.3p-miR	14	+	35586219	35586240	CTACAGAACTCTGTAGAGTGCT	20598
TJU_CMC_MD2.ID00877.5p-miR	14	+	38053189	38053212	CGCAGCGGGCCGGGCGGGCCAGGA	20599
TJU_CMC_MD2.ID00878.3p-miR	14	+	40092384	40092405	ATCAGCATTGTGACTTGCATGA	20600
TJU_CMC_MD2.ID00879.3p-miR	14	-	50087854	50087876	TGGCCCCCGCGGCTGCCCTCGCT	20601
TJU_CMC_MD2.ID00880.3p-miR	14	+	50234905	50234927	ACCGCTTCCCTGCAGTGCCCCGA	20602
TJU_CMC_MD2.ID00881.3p-miR	14	+	50779070	50779092	GACGCTGGCTCGCTCCCTCCCTC	20603
TJU_CMC_MD2.ID00882.3p-miR	14	+	51921514	51921535	TCCATTCCCTTTGTTAGGTCCT	20604
TJU_CMC_MD2.ID00883.3p-miR	14	+	54415184	54415206	CATATGAAATGAGCCAGCACAGA	20605
TJU_CMC_MD2.ID00884.3p-miR	14	+	55518417	55518438	CGCTGCTCTAGCTGCCGTCAGT	20606
TJU_CMC_MD2.ID00885.3p-miR	14	-	58666794	58666814	CCGCGGCGCGCCGGGCCCGGG	20607
TJU_CMC_MD2.ID00886.5p-miR	14	+	59217577	59217596	CCCTTCTGGAGTGTAGCTGC	20608
TJU_CMC_MD2.ID00887.5p-miR	14	+	60113682	60113704	TTAACCAGCTTGTCACTCTGTGC	20609
TJU_CMC_MD2.ID00888.5p-miR	14	-	60503150	60503172	TCTCTGGTCTGGAAGATTCCTCA	20610
TJU_CMC_MD2.ID00889.3p-miR	14	+	61189501	61189520	CCCGGCCGGCGCCGGCAGTC	20611
TJU_CMC_MD2.ID00890.3p-miR	14	-	63296052	63296074	GTGCAGAGGTGAAATATGGGGTT	20612
TJU_CMC_MD2.ID00891.5p-miR	14	-	64194754	64194773	AGACTCCGGAGGGTAGAGCG	20613
TJU_CMC_MD2.ID00892.3p-miR	14	-	64299018	64299040	CTATGTTGCCCATGGCTGGTGTT	20614

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TJU_CMC_MD2.ID00893.3p-miR	14	+	65007479	65007502	GGTGCTTGGTTCGAGGTGGCCGTT
TJU_CMC_MD2.ID00894.5p-miR	14	-	65439002	65439024	GAGCCGAGCCGAGCCGAGCGGGC
TJU_CMC_MD2.ID00895.3p-miR	14	-	65568377	65568399	TCCCCACCCTCCGCTTCCTCTGC
TJU_CMC_MD2.ID00896.5p-miR	14	+	65801842	65801864	TCAGAGAGATGCCGCCTTGCTCC
TJU_CMC_MD2.ID00897.3p-miR	14	+	65937619	65937640	TGTCCGCCTCTCCCTGTGCCGT
TJU_CMC_MD2.ID00898.3p-miR	14	-	65937832	65937853	GACTATAGAACTTTCCCCCTCA
TJU_CMC_MD2.ID00898.5p-miR	14	-	65937867	65937890	AGGGGGAAAGTTCTATAGTCCTGA
TJU_CMC_MD2.ID00899.5p-miR	14	-	67708517	67708537	CTCGGCTGGCTGTGGCCCGCG
TJU_CMC_MD2.ID00900.5p-miR	14	+	67999857	67999879	GCCGAGGGGAGGAGGGCGCCCGG
TJU_CMC_MD2.ID00901.3p-miR	14	+	69281902	69281923	TTGGTTGGACCTTGGGGCTGGA
TJU_CMC_MD2.ID00902.5p-miR	14	+	70161390	70161409	GTGCCTCAAACATGAAAACT
TJU_CMC_MD2.ID00903.5p-miR	14	+	73394796	73394817	ACCGCCCTGGCCTGTAGAAGCT
TJU_CMC_MD2.ID00904.3p-miR	14	-	74181051	74181071	CGGGTTGCGGGTAGGACTGGA
TJU_CMC_MD2.ID00905.3p-miR	14	-	74228831	74228851	CTGGGCTCTCAGGGGAGGTGA
TJU_CMC_MD2.ID00906.3p-miR	14	-	74485362	74485384	TGGCCGATACTTCCTGCCCACGA
TJU_CMC_MD2.ID00907.5p-miR	14	+	75747900	75747923	CTGCACAGTGGCTCCCTGGGGATG
TJU_CMC_MD2.ID00908.5p-miR	14	-	77279167	77279188	GGGCGCGGGCGGCCGGCCATGA
TJU_CMC_MD2.ID00909.3p-miR	14	-	77495012	77495034	CAGCCGGAGCAGGAGCGCCGAGA
TJU_CMC_MD2.ID00910.3p-miR	14	-	77787739	77787760	CCACCCTGCTACGCACTCCCTA
TJU_CMC_MD2.ID00911.5p-miR	14	+	77787744	77787763	AGTGCGTAGCAGGGTGGAGT
TJU_CMC_MD2.ID00912.5p-miR	14	+	81686544	81686566	TGCGCGCCCGACCGGGCCCAACC
TJU_CMC_MD2.ID00913.5p-miR	14	-	81946819	81946841	CCTGCCTCGCTCTCCCAAAGTGT
TJU_CMC_MD2.ID00914.3p-miR	14	+	86948766	86948787	TGTATCTGCATGTGTGTTATGT
TJU_CMC_MD2.ID00915.3p-miR	14	-	90085491	90085514	GCAGGAGCCGGGGTTCCGGCCGCG
TJU_CMC_MD2.ID00916.5p-miR	14	-	90979970	90979991	AGCTGCTCATGCCCCAGGTAGC
TJU_CMC_MD2.ID00917.5p-miR	14	-	91167087	91167108	TCCGGAGTTGTAAGTGTTGACA
TJU_CMC_MD2.ID00918.5p-miR	14	+	91883689	91883712	AGCCAGCCTAGAGCCCCCAGCGGGA
TJU_CMC_MD2.ID00919.3p-miR	14	+	92325397	92325418	TACTGGGATATTTGGAGCTTCT
TJU_CMC_MD2.ID00919.5p-miR	14	+	92325358	92325379	AGAGCTCCAGATATCCCAGTAT
TJU_CMC_MD2.ID00920.5p-miR	14	+	93581869	93581892	GCCAGGGCCCGCAGGAGGGGGAAGC
TJU_CMC_MD2.ID00921.3p-miR	14	-	93673461	93673482	TGTCACTCCTCTCCCTTCTCCC

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TJU_CMC_MD2.ID00922.3p-miR	14	-	94236247	94236267	ACTCAGGTGGTGCAAGGAAGG	20646
TJU_CMC_MD2.ID00923.3p-miR	14	-	94424960	94424981	TGGCTCTGGGATCTGTTGGACA	20647
TJU_CMC_MD2.ID00925.5p-miR	14	+	95418054	95418074	CCCCAGTTTGCCTGGGACTGA	20648
TJU_CMC_MD2.ID00926.5p-miR	14	-	95876080	95876101	ACCAGCTGTCGTTTCTCCCTTA	20649
TJU_CMC_MD2.ID00927.3p-miR	14	-	95996008	95996030	CTTCACTGCATACTCCAGCCTGG	20650
TJU_CMC_MD2.ID00928.3p-miR	14	-	96000144	96000166	CTTGCTCTGCTCTCCCTTGTACT	20651
TJU_CMC_MD2.ID00928.5p-miR	14	-	96000182	96000203	TGCAGAGGAGACAAAGCAAGCC	20652
TJU_CMC_MD2.ID00929.5p-miR	14	-	99738393	99738414	CCCGCTCCCCCCGGGCCCGCGG	20653
TJU_CMC_MD2.ID00930.3p-miR	14	-	100196891	100196912	CAGCAGCAGCCTGCACCCCGCC	20654
TJU_CMC_MD2.ID00931.3p-miR	14	-	100608947	100608970	CTGCCTCTTCCCTCTGCCATCAGC	20655
TJU_CMC_MD2.ID00932.3p-miR	14	+	100611990	100612009	CGCTCCATCCCTCTCTGGCA	20656
TJU_CMC_MD2.ID00933.3p-miR	14	-	100706655	100706677	AGCCCCGCCAACGACCTCCCGCG	20657
TJU_CMC_MD2.ID00934.3p-miR	14	+	101318786	101318807	GGGCCTGATGTGGTGCTGGGGC	20658
TJU_CMC_MD2.ID00935.5p-miR	14	+	101377468	101377487	GGGGCACAAGACAGAGAAGC	20659
TJU_CMC_MD2.ID00936.5p-miR	14	+	101498335	101498357	AAGTTGCCCGTGTTTTTTTCGCT	20660
TJU_CMC_MD2.ID00937.5p-miR	14	+	101506189	101506209	TCGGTGGACCTCAGAACATGT	20661
TJU_CMC_MD2.ID00938.5p-miR	14	+	101512786	101512805	TAACCTTTGGTACTTGGAGA	20662
TJU_CMC_MD2.ID00939.5p-miR	14	+	101526933	101526954	GGTTGTCCATGGTGTGTTCATT	20663
TJU_CMC_MD2.ID00940.3p-miR	14	+	102430925	102430946	AGCGGACGGTCCGGCTTCCGGC	20664
TJU_CMC_MD2.ID00941.3p-miR	14	+	102553743	102553763	CACGCCCGGGCGTGGGGGCCT	20665
TJU_CMC_MD2.ID00942.3p-miR	14	-	102881498	102881520	GGGTGCATGGTAAACACGTGCTG	20666
TJU_CMC_MD2.ID00942.5p-miR	14	-	102881541	102881563	GCCGTGTTTACCATGTCACTGCT	20667
TJU_CMC_MD2.ID00943.3p-miR	14	+	102976023	102976043	CGCGGCCGGATCGCAGGGCGG	20668
TJU_CMC_MD2.ID00944.5p-miR	14	+	103373629	103373651	CCAACGGGCGCTCCTGACCACCA	20669
TJU_CMC_MD2.ID00945.3p-miR	14	-	103432665	103432686	CTCTTGCTTCCAAGATGACCGA	20670
TJU_CMC_MD2.ID00946.5p-miR	14	+	103603255	103603278	TTAGTTCCCACTGGCTGTGTAACC	20671

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TJU_CMC_MD2.ID00947.3p-miR	14	+	103673954	103673975	CCGCGCTGCTGGAAATCGTGGA	20672
TJU_CMC_MD2.ID00948.5p-miR	14	-	103988365	103988388	AGACCGACCTCAACCCCGACAACC	20673
TJU_CMC_MD2.ID00949.3p-miR	14	-	104000804	104000827	CCCTAGCATCCCTGGACTCCCACC	20674
TJU_CMC_MD2.ID00950.3p-miR	14	-	104095221	104095242	TCCGACTCCGCAGCCGCGATGA	20675
TJU_CMC_MD2.ID00951.5p-miR	14	-	104313892	104313912	AGGCTGTCGGGCTGGGGCTGA	20676
TJU_CMC_MD2.ID00952.5p-miR	14	+	104575412	104575433	GGGATGGGCCCTTGTCTGAGGC	20677
TJU_CMC_MD2.ID00953.5p-miR	14	+	104583768	104583789	AGTGGTTCTTAACAGTTCAACA	20678
TJU_CMC_MD2.ID00954.3p-miR	14	+	105147091	105147112	CTGGGCTTGTGGGGACCCCTGG	20679
TJU_CMC_MD2.ID00955.3p-miR	14	+	105169612	105169632	TGACCCCGCCCTCCCCACAGA	20680
TJU_CMC_MD2.ID00956.5p-miR	14	+	105185557	105185579	TGGGGGCCCTGGGCAGGGGTAAG	20681
TJU_CMC_MD2.ID00958.3p-miR	14	-	105266691	105266710	GGGTGTGAGGGGGGTTTAGG	20682
TJU_CMC_MD2.ID00959.3p-miR	14	+	105293116	105293135	TCCGTCCCGGGGCTGATGAG	20683
TJU_CMC_MD2.ID00960.5p-miR	14	-	105634032	105634052	TCTCCGCGCCCCGGCCCCGCG	20684
TJU_CMC_MD2.ID00961.3p-miR	14	-	105766975	105766997	GGCTCCGGGCGCTGCCCGCGCGG	20685
TJU_CMC_MD2.ID00962.3p-miR	14	-	105780478	105780500	GACGCAGGGAGGTGGCAAGGAGG	20686
TJU_CMC_MD2.ID00964.5p-miR	14	-	106331771	106331794	TGGCTGAGCTGAGAACCACTGTGC	20687
TJU_CMC_MD2.ID00965.3p-miR	15	+	25222099	25222120	CCAGCTGGTGTGCCAATTCCCC	20688
TJU_CMC_MD2.ID00966.5p-miR	15	+	27216459	27216482	CGCGGGTGGGGGCGGCGCGCCGCG	20689
TJU_CMC_MD2.ID00967.5p-miR	15	-	30114642	30114663	TGAGTTGCCGGCGCCGGCTGAG	20690
TJU_CMC_MD2.ID00968.3p-miR	15	-	31508255	31508277	TCTCCGCCTCCCGCGCGCCCCGC	20691
TJU_CMC_MD2.ID00969.3p-miR	15	+	31666899	31666920	TCTCCAGGGAGGGGTCAGACGT	20692
TJU_CMC_MD2.ID00970.3p-miR	15	+	31684224	31684245	TTCACTGCCTCCGAAGCGAGCG	20693
TJU_CMC_MD2.ID00972.5p-miR	15	+	34630233	34630256	GCCGCCGCAGCCCGCGGTGACCGA	20694
TJU_CMC_MD2.ID00973.3p-miR	15	-	36983453	36983475	CTGACCTGTCTTCACTAAACTCT	20695
TJU_CMC_MD2.ID00974.3p-miR	15	+	36983495	36983516	GACCTGTCTTCATTAAACTCTT	20696
TJU_CMC_MD2.ID00975.5p-miR	15	+	39651584	39651606	TACAATGTAAGAAGTCACTCACT	20697
TJU_CMC_MD2.ID00976.3p-miR	15	-	40226212	40226232	TCCGCGCCGGGAGCTAGCTCC	20698
TJU_CMC_MD2.ID00978.5p-miR	15	+	40583167	40583188	GGGGTGGGGTCGGTGGGGCTGG	20699
TJU_CMC_MD2.ID00979.5p-miR	15	+	40632730	40632752	GCCCAGCCTCTCCAGGCCGAAAG	20700

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TJU_CMC_MD2.ID00980.3p-miR	15	+	41099328	41099349	CCACGGGGAGAGCACAGCCACC	20701
TJU_CMC_MD2.ID00981.3p-miR	15	-	41136539	41136561	CGCACGGGCCCGGCCCTCCCACG	20702
TJU_CMC_MD2.ID00982.3p-miR	15	+	41409359	41409378	GATCACCTCAGGCCAAACGT	20703
TJU_CMC_MD2.ID00983.3p-miR	15	-	41815294	41815313	TAGCAGGCAGCAGTGGGGTG	20704
TJU_CMC_MD2.ID00984.5p-miR	15	+	41861016	41861039	CCCCAGCTGGAGGCCTTCTCCCCA	20705
TJU_CMC_MD2.ID00985.3p-miR	15	+	42109559	42109581	GAACAGCTGGGCTTCCCTCCTTC	20706
TJU_CMC_MD2.ID00986.5p-miR	15	-	42208341	42208363	AAGCTGACACTTTGAAAACATGC	20707
TJU_CMC_MD2.ID00987.3p-miR	15	-	42362757	42362778	GCTCCTGCCAGGGTCCTTAGGT	20708
TJU_CMC_MD2.ID00988.3p-miR	15	-	43024886	43024907	TCAGTCCAGTCATCTCCCTTCA	20709
TJU_CMC_MD2.ID00989.5p-miR	15	-	43033418	43033439	ACATCCTACTTCCCTGTCCTCA	20710
TJU_CMC_MD2.ID00990.5p-miR	15	-	44828757	44828779	TCCGGGACCCCAGAGGGAGTCGT	20711
TJU_CMC_MD2.ID00991.5p-miR	15	+	45725259	45725280	TGGAAACATTTCTGCACAAACT	20712
TJU_CMC_MD2.ID00992.5p-miR	15	-	48470477	48470499	AGCCGCCATTGTCGCGCTCGGAG	20713
TJU_CMC_MD2.ID00993.5p-miR	15	-	48873212	48873235	TTGCTGTGATGATGTTCTGAGCTC	20714
TJU_CMC_MD2.ID00994.3p-miR	15	-	50978991	50979013	CGCGCCGCTCACGTGGTCCGTCC	20715
TJU_CMC_MD2.ID00995.5p-miR	15	-	51606283	51606304	TGTGACCCTAGAATAATTACTC	20716
TJU_CMC_MD2.ID00996.5p-miR	15	+	52121956	52121979	GGAACCGAGCCTCGGCTTGCGGCC	20717
TJU_CMC_MD2.ID00997.3p-miR	15	+	52122263	52122283	CGCGAACCTGGCGTTCCCAGT	20718
TJU_CMC_MD2.ID00998.3p-miR	15	+	52311985	52312006	GACCGGACCGGAGGGCGGGCGA	20719
TJU_CMC_MD2.ID00999.3p-miR	15	-	52471840	52471861	CAGGCCCGCGCCACCGCCCGGG	20720
TJU_CMC_MD2.ID01000.3p-miR	15	+	52569370	52569392	TTCTACAGCCCTGAGGGACACTA	20721
TJU_CMC_MD2.ID01001.3p-miR	15	-	56477747	56477768	TAGCAGTATAGTCTTAGAGTTA	20722
TJU_CMC_MD2.ID01002.3p-miR	15	-	56535910	56535930	GTAGAAAGCCCCGGGGACAAG	20723
TJU_CMC_MD2.ID01003.3p-miR	15	-	56536002	56536025	CGGCGGCGGGGCCGGGAGCGAGCG	20724
TJU_CMC_MD2.ID01004.3p-miR	15	-	56657483	56657504	CTCGGCCTTTGCTCGCAGCACT	20725
TJU_CMC_MD2.ID01005.5p-miR	15	+	57608855	57608877	TCATCCCCAGAAAGGACTTGGTG	20726
TJU_CMC_MD2.ID01006.3p-miR	15	-	57887718	57887740	CCTTCCCCGCAAAGCACACGACC	20727
TJU_CMC_MD2.ID01007.5p-miR	15	+	58476200	58476223	TTGGTTGGTGCTGTCATTGGAGGC	20728
TJU_CMC_MD2.ID01008.3p-miR	15	-	58904190	58904211	ATCACTTAATGTTTCCTCTAGT	20729

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TJU_CMC_MD2.ID01009.5p-miR	15	-	59730385	59730405	CTGAGCAGGGCGCCCGGCTGC	20730
TJU_CMC_MD2.ID01010.5p-miR	15	-	63335932	63335953	CCTCCGACACCCGCAGCAACTT	20731
TJU_CMC_MD2.ID01011.5p-miR	15	+	63610837	63610857	CCTCCCACCCACAGGGCGAGT	20732
TJU_CMC_MD2.ID01012.3p-miR	15	-	63893055	63893076	GTGCAATGTCTGCAGCGCGCGC	20733
TJU_CMC_MD2.ID01013.3p-miR	15	+	63893140	63893163	CTGGCCCTGCGGGCAGAGCACAGC	20734
TJU_CMC_MD2.ID01014.3p-miR	15	+	64338888	64338910	CCCTACCGGCTCTACCGCGCACA	20735
TJU_CMC_MD2.ID01015.3p-miR	15	-	64635953	64635972	TCAGCTTCTATATTACCGCA	20736
TJU_CMC_MD2.ID01016.5p-miR	15	+	64752845	64752867	GCACCGGCCGGGCGGGGCGGAGA	20737
TJU_CMC_MD2.ID01017.3p-miR	15	+	65477050	65477073	GGCAGGCGGCGGTCCCCGGCAGGG	20738
TJU_CMC_MD2.ID01018.3p-miR	15	-	65578686	65578709	CCGCCGACCTCCGGTGCAGCCTCT	20739
TJU_CMC_MD2.ID01019.3p-miR	15	+	66586195	66586216	CTGCGCCCGCTCGCCGGCCTCA	20740
TJU_CMC_MD2.ID01020.5p-miR	15	-	67358387	67358406	CGGGGCCTGCCGCGGTCGCC	20741
TJU_CMC_MD2.ID01022.5p-miR	15	-	69075396	69075418	TTCCGTTCCCCATTTCGATTGCA	20742
TJU_CMC_MD2.ID01023.3p-miR	15	-	69978093	69978114	CCCTGAGGGTGAGTGCCTCCTT	20743
TJU_CMC_MD2.ID01023.5p-miR	15	-	69978133	69978153	GAGGCACTGACTCTCAGGGCT	20744
TJU_CMC_MD2.ID01024.5p-miR	15	-	70326036	70326058	CTGGGCCCGCCCGCCCGCTGGGG	20745
TJU_CMC_MD2.ID01025.3p-miR	15	+	70371767	70371787	GTTCTCCCAACGTAAACCCAG	20746
TJU_CMC_MD2.ID01025.5p-miR	15	+	70371728	70371747	TGGGCTTACGTTGGGAGAAC	20747
TJU_CMC_MD2.ID01026.3p-miR	15	+	71386588	71386608	AGGCAGTCACTCAATATAGCT	20748
TJU_CMC_MD2.ID01027.5p-miR	15	-	72176311	72176332	TTTGTTATTTCTGTATTCAAGA	20749
TJU_CMC_MD2.ID01028.3p-miR	15	+	72530323	72530345	ACTGCTTGAGCCCAGGACTACAT	20750
TJU_CMC_MD2.ID01028.5p-miR	15	+	72530285	72530306	CTAGTCCTAACCAAGCATGTCT	20751
TJU_CMC_MD2.ID01029.5p-miR	15	-	73925691	73925712	CGGCAGGAGGAGGACGGGGAAG	20752
TJU_CMC_MD2.ID01030.3p-miR	15	-	74462405	74462427	ACACACACACAACATGCACATGC	20753
TJU_CMC_MD2.ID01031.5p-miR	15	-	74492047	74492067	ACCTGAGATCCCCATCTGACC	20754
TJU_CMC_MD2.ID01032.3p-miR	15	-	74687732	74687755	TGGACCGATCCTGACTGAGGCAGA	20755
TJU_CMC_MD2.ID01033.5p-miR	15	-	74726203	74726226	AGCGCACCGCGCGCCCGCGTCCCT	20756
TJU_CMC_MD2.ID01034.5p-miR	15	+	75074367	75074387	GCCCCGCCGCGCGCCGGGCAG	20757
TJU_CMC_MD2.ID01035.3p-miR	15	+	75091590	75091613	CCTCCAGCCCTGCTGCTCCCCAGT	20758
TJU_CMC_MD2.ID01036.3p-miR	15	-	75653532	75653554	TGGCCTGCCCTCACCTGTCTAGG	20759

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TJU_CMC_MD2.ID01037.5p-miR	15	-	75932551	75932570	ATCGCGCGGATGCCAGAACG	20760
TJU_CMC_MD2.ID01039.5p-miR	15	+	76630332	76630351	TGGGCCACCGCGCGCAGGGG	20761
TJU_CMC_MD2.ID01040.5p-miR	15	+	77224273	77224295	CCGCTGGGCGAGCGCCGCAGCGA	20762
TJU_CMC_MD2.ID01041.5p-miR	15	-	77925144	77925167	GCGGCGGCGGCGGCGGTGGGTCCT	20763
TJU_CMC_MD2.ID01042.5p-miR	15	+	78441767	78441787	TCTAAGGTGAGCGCTGGCAGG	20764
TJU_CMC_MD2.ID01043.5p-miR	15	+	79502142	79502163	CCTTATCACTTTTCCAGCCCAG	20765
TJU_CMC_MD2.ID01044.5p-miR	15	-	80544502	80544522	CCGCGCCGCTGGGGGCTCTGA	20766
TJU_CMC_MD2.ID01045.5p-miR	15	-	81134365	81134387	AGCTCATCCATAGTTGTCACTGT	20767
TJU_CMC_MD2.ID01046.3p-miR	15	+	81134370	81134391	GACAACTATGGATGAGCTCTCA	20768
TJU_CMC_MD2.ID01046.5p-miR	15	+	81134336	81134358	AGCTCATCCATAGTTGTCACTGA	20769
TJU_CMC_MD2.ID01047.3p-miR	15	-	85291999	85292020	CCAGGCTGCAGGGCCGGGCCCC	20770
TJU_CMC_MD2.ID01048.5p-miR	15	-	85777875	85777897	GGAGCAGCAGCGGTGAAGGCCCT	20771
TJU_CMC_MD2.ID01049.5p-miR	15	-	90348550	90348569	CCAACATGCTTCCCAAAGGT	20772
TJU_CMC_MD2.ID01050.3p-miR	15	+	90550044	90550065	ATCTGCATTTTAATTCACATGC	20773
TJU_CMC_MD2.ID01051.5p-miR	15	+	90744559	90744580	GCCGCTTGCGGGTGAGCTCTGC	20774
TJU_CMC_MD2.ID01052.3p-miR	15	+	90931494	90931514	CTTGGCAGGAGCTGTAGCTAC	20775
TJU_CMC_MD2.ID01053.3p-miR	15	+	91073177	91073200	CTCTGCCGGGTCGCGCCGGACGAC	20776
TJU_CMC_MD2.ID01054.5p-miR	15	-	91208619	91208640	GCCGCTGGGGGTTTGGGGCGGC	20777
TJU_CMC_MD2.ID01055.3p-miR	15	+	91245500	91245520	CAGCTGTAAAATACCTCTTGC	20778
TJU_CMC_MD2.ID01056.5p-miR	15	+	91473452	91473475	ATTGCGAGTCACCGAGTTTCCCGC	20779
TJU_CMC_MD2.ID01057.5p-miR	15	+	91643436	91643458	GGCGGCGTGGGCGCGGTGATGCA	20780
TJU_CMC_MD2.ID01058.5p-miR	15	+	93131579	93131600	TGAAAGGGGCCGCCTTATCTGA	20781
TJU_CMC_MD2.ID01059.3p-miR	15	-	93375113	93375134	CAGGGAGCCCCAAGCAGGCGCA	20782
TJU_CMC_MD2.ID01061.5p-miR	15	+	94901755	94901775	CTTTCACTACTTCTCTGACAG	20783
TJU_CMC_MD2.ID01062.3p-miR	15	+	95870243	95870263	CCGGCCCGGGTCCGAGCCGCG	20784
TJU_CMC_MD2.ID01063.5p-miR	15	-	96475566	96475589	TTAGTCTAGCACCTGGTCAATTCA	20785
TJU_CMC_MD2.ID01064.5p-miR	15	+	99506054	99506075	AACTGATCTCGGAGTTAAGGCG	20786
TJU_CMC_MD2.ID01065.5p-miR	15	+	100105629	100105650	CACGCGCCGCGTCACCGGGCCG	20787

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TJU_CMC_MD2.ID01066.3p-miR	15	+	101460219	101460242	TCACGCTTCTTGCCCAGGTGGTCT	20788
TJU_CMC_MD2.ID01067.5p-miR	15	-	102264600	102264621	CGCTCGGCGTCGGTGCCTGAGG	20789
TJU_CMC_MD2.ID01068.3p-miR	16	+	284868	284890	CGGCCTCGTACTCGCGCGTGCAC	20790
TJU_CMC_MD2.ID01069.3p-miR	16	-	325912	325933	CCGCCGGCCTCGCCCCGCAGCC	20791
TJU_CMC_MD2.ID01070.3p-miR	16	+	332595	332615	GATGCCCTCGCCCTCCCTAGT	20792
TJU_CMC_MD2.ID01071.5p-miR	16	+	447309	447330	CTCGGGTGAGTGGGGCCGCGCG	20793
TJU_CMC_MD2.ID01072.5p-miR	16	+	593298	593319	CCCGGCAGCCTCGGGCCACACT	20794
TJU_CMC_MD2.ID01073.3p-miR	16	-	606412	606432	TTGGGGTAGATCCGGGTCCTG	20795
TJU_CMC_MD2.ID01074.3p-miR	16	+	716199	716220	AGGGTGACGGCATGGTCCCAGG	20796
TJU_CMC_MD2.ID01075.3p-miR	16	-	725767	725789	GAGCCTGGCCGGGGGCCGGGGTC	20797
TJU_CMC_MD2.ID01076.5p-miR	16	+	730442	730462	TCGGGCTGCGGGGCTCCGGCT	20798
TJU_CMC_MD2.ID01077.3p-miR	16	-	735597	735618	CCGCTGGTCCCTGCCTTCCAGC	20799
TJU_CMC_MD2.ID01078.3p-miR	16	+	756074	756094	ACCCCGGCGCGCGGCGGGCGG	20800
TJU_CMC_MD2.ID01079.5p-miR	16	+	799981	800001	GAGCCACCATGCCCCGTGAGA	20801
TJU_CMC_MD2.ID01080.3p-miR	16	+	1090238	1090260	TCTTCTGGGGCCCAGAGGCTGGA	20802
TJU_CMC_MD2.ID01081.3p-miR	16	+	1359662	1359682	CGCGCGGAGCGGGCTCCGGAG	20803
TJU_CMC_MD2.ID01082.3p-miR	16	-	1360040	1360060	CCCGGCCCCGCGCCAGGCGCA	20804
TJU_CMC_MD2.ID01083.3p-miR	16	+	1395966	1395987	CCACCGCCATCCCCTCCTCAGG	20805
TJU_CMC_MD2.ID01084.3p-miR	16	+	1396150	1396171	GCCTGGCCACACCTCCTCCAGC	20806
TJU_CMC_MD2.ID01085.3p-miR	16	-	1448615	1448636	TCCCTGAGGCCCTGTCTGTGTC	20807
TJU_CMC_MD2.ID01086.3p-miR	16	-	1505796	1505818	GAGCCGGCCGCCTGCCTTCCAGG	20808
TJU_CMC_MD2.ID01087.3p-miR	16	+	1662409	1662428	GCCGGCTTCGCTAGGGTGAG	20809
TJU_CMC_MD2.ID01088.3p-miR	16	+	1812020	1812039	GACAGCTCTCCCACCCCTCC	20810
TJU_CMC_MD2.ID01089.3p-miR	16	+	1812654	1812676	CTCCCTGTGCCCTCCCCTGCAGA	20811
TJU_CMC_MD2.ID01090.3p-miR	16	+	1814279	1814300	CGACCTCGGCCCTGCCCTTGCA	20812
TJU_CMC_MD2.ID01091.3p-miR	16	+	2009566	2009589	CGGACGGAGGTAGAGGCCAGGGCA	20813
TJU_CMC_MD2.ID01092.5p-miR	16	+	2059902	2059922	CGGCTAGAGCGGTGGCCCTGA	20814
TJU_CMC_MD2.ID01093.5p-miR	16	+	2097981	2098001	GTCGCGCTTCCGGCGGCGTCC	20815
TJU_CMC_MD2.ID01094.3p-miR	16	-	2140697	2140718	GCCTGGTGGTGCTCGGGGTAGC	20816
TJU_CMC_MD2.ID01095.5p-miR	16	-	2141905	2141926	CGCCACCCCTCTCCGGCAGGGC	20817

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TJU_CMC_MD2.ID01096.3p-miR	16	-	2145807	2145827	TGCTTCCGCGGGGATTTCTGA	20818
TJU_CMC_MD2.ID01097.3p-miR	16	+	2228702	2228722	ACCCCGACCAGGACACGCCCA	20819
TJU_CMC_MD2.ID01098.3p-miR	16	-	2239335	2239358	CCTGACTGCGCCCTTGGCCCCCAG	20820
TJU_CMC_MD2.ID01099.5p-miR	16	-	2264781	2264803	GGGCGGCGGCGGCCGGCGGGCGG	20821
TJU_CMC_MD2.ID01100.5p-miR	16	+	2321780	2321800	CTGGGCAGCCCCGTGTGTTGA	20822
TJU_CMC_MD2.ID01101.3p-miR	16	+	2329270	2329291	TGGAGCTATGCACAGGCCGTGG	20823
TJU_CMC_MD2.ID01102.5p-miR	16	+	2577795	2577817	TCATCAGCCGGGAGAAGCGGGGC	20824
TJU_CMC_MD2.ID01103.3p-miR	16	+	2802729	2802752	GGCTGAGGCGGGCGGACCGGCGAG	20825
TJU_CMC_MD2.ID01104.3p-miR	16	+	2812490	2812512	GACGTGGCCGCTCACGCTCCAGA	20826
TJU_CMC_MD2.ID01104.5p-miR	16	+	2812453	2812474	AGGAGAAGTGGCAGGTCACGCT	20827
TJU_CMC_MD2.ID01105.5p-miR	16	+	2816290	2816311	AGGCGATCCAGATCCAGAACGC	20828
TJU_CMC_MD2.ID01106.5p-miR	16	+	2962038	2962061	CGGGTCGGGGTGGCGGCGGCGGCC	20829
TJU_CMC_MD2.ID01107.3p-miR	16	-	2988088	2988110	CCCAGCCAGGCCCCACCAGGAAT	20830
TJU_CMC_MD2.ID01108.3p-miR	16	+	3185241	3185262	CTGGTCCCCCGCGCCGCTCTGC	20831
TJU_CMC_MD2.ID01109.5p-miR	16	+	3222172	3222193	TCGGGGACCGAGCCTGAAGCCT	20832
TJU_CMC_MD2.ID01110.3p-miR	16	-	3598217	3598239	CATGTGTCTGTGTCTGCCCAGCC	20833
TJU_CMC_MD2.ID01112.3p-miR	16	+	4365944	4365963	CGCGCCCCTCCTCCTCGCCC	20834
TJU_CMC_MD2.ID01113.3p-miR	16	-	4663939	4663958	GTGCCTGGGGACTCCGTGTG	20835
TJU_CMC_MD2.ID01114.3p-miR	16	-	4812336	4812358	TGGTGACTCTGCTCCTTCCCAGG	20836
TJU_CMC_MD2.ID01115.3p-miR	16	-	4852456	4852477	CGACCGCCGGGTCTGTCCCGCA	20837
TJU_CMC_MD2.ID01116.3p-miR	16	-	5039834	5039856	CAGGTTGGGGCCCAGGAATCTGC	20838
TJU_CMC_MD2.ID01117.5p-miR	16	-	9184525	9184546	CCCGGTGCCCGCACGCGTGCGT	20839
TJU_CMC_MD2.ID01119.3p-miR	16	-	10710810	10710831	TCTCAGTGGTGACCTTTGGGGC	20840
TJU_CMC_MD2.ID01120.5p-miR	16	-	11349995	11350017	CCGGAGCATGCGCGAGAGCCGCC	20841
TJU_CMC_MD2.ID01121.5p-miR	16	-	11680705	11680725	GACGCCGGGGCGCGGGGACCA	20842
TJU_CMC_MD2.ID01122.5p-miR	16	+	12594560	12594581	AGCTTGTCGGATGTGCAGATTT	20843
TJU_CMC_MD2.ID01123.3p-miR	16	-	15149842	15149865	CCGCCTCCCTGGGCCTGCCTGGGC	20844
TJU_CMC_MD2.ID01124.3p-miR	16	-	15669650	15669669	TTTCTGCGACCAATCAGACT	20845
TJU_CMC_MD2.ID01125.3p-miR	16	-	16982938	16982958	CCATGCTGAGAATCGCTGTTC	20846
TJU_CMC_MD2.ID01126.3p-miR	16	-	17564381	17564400	GCGGAGGAGGAGGAGGACGG	20847

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TJU_CMC_MD2.ID01127.3p-miR	16	+	19128733	19128753	CTGTCTCTTTTCTCTTTAGGT	20848
TJU_CMC_MD2.ID01128.5p-miR	16	+	19131338	19131360	ATTGGTGGCTAGATTTGGGGTGC	20849
TJU_CMC_MD2.ID01129.5p-miR	16	-	20716001	20716021	CTTGGGAACTCTTAATATGTC	20850
TJU_CMC_MD2.ID01130.5p-miR	16	-	22327932	22327951	GTACTGACGCTCATGCTCAG	20851
TJU_CMC_MD2.ID01131.5p-miR	16	-	24424515	24424536	GGACTGGGTGAGGGTGTTGGTT	20852
TJU_CMC_MD2.ID01132.3p-miR	16	+	24741042	24741061	CGGGTCGGTGTAGAAAATGG	20853
TJU_CMC_MD2.ID01133.3p-miR	16	+	27455488	27455508	TACATCGGTTGAGAATGTCCT	20854
TJU_CMC_MD2.ID01134.3p-miR	16	+	28834693	28834714	TCCCGGGGCCGCTGGCCACCTC	20855
TJU_CMC_MD2.ID01135.5p-miR	16	+	28875310	28875329	TCTCCGCGACCCGGCCCTGG	20856
TJU_CMC_MD2.ID01136.3p-miR	16	-	28917199	28917221	TCTCTTTCTTTCCTTCCCACAGA	20857
TJU_CMC_MD2.ID01137.5p-miR	16	+	28936604	28936624	CCCGGACGGAGGATGGGGGGA	20858
TJU_CMC_MD2.ID01138.3p-miR	16	-	29606780	29606800	CCCCGCCTCTCTCGGCCCCGC	20859
TJU_CMC_MD2.ID01139.3p-miR	16	+	29816082	29816105	AGCCCAAAGCACTTGGCTGCCCTG	20860
TJU_CMC_MD2.ID01140.3p-miR	16	+	29816409	29816429	TGTCCCCTATCGATCCTGTCC	20861
TJU_CMC_MD2.ID01141.5p-miR	16	+	29818330	29818349	CCCCGGCGGCCGAGCCCCTC	20862
TJU_CMC_MD2.ID01142.3p-miR	16	+	29821541	29821560	CAACCCTGGTGAGCTCCAAG	20863
TJU_CMC_MD2.ID01143.3p-miR	16	-	29883605	29883628	TCCTCTGTCCTCTCCCTTTCCCAG	20864
TJU_CMC_MD2.ID01144.3p-miR	16	+	30078529	30078551	CCTTCCCCTCTGTTTCCTGTATC	20865
TJU_CMC_MD2.ID01145.3p-miR	16	-	30582937	30582959	CGAGGCCCCATGGCGCCGCCCCC	20866
TJU_CMC_MD2.ID01145.5p-miR	16	-	30582979	30582998	CGGCGGCTCCAGGGACCTGG	20867
TJU_CMC_MD2.ID01146.5p-miR	16	+	30670932	30670953	GGAGCAGCGGCGCCGCCGAGGT	20868
TJU_CMC_MD2.ID01147.3p-miR	16	+	30673858	30673880	TGTCTGCCATCCTGCCCCACAGC	20869
TJU_CMC_MD2.ID01148.5p-miR	16	+	30709929	30709950	CGCGAGGCTGTCGGCGCGCGCC	20870
TJU_CMC_MD2.ID01149.3p-miR	16	+	30783388	30783408	AGCCAGGCCTCTCCTGCCCCA	20871
TJU_CMC_MD2.ID01150.3p-miR	16	-	30913827	30913850	CCCCCGGGCAGCAGCTGGCCCAGG	20872
TJU_CMC_MD2.ID01151.3p-miR	16	+	31123411	31123434	CCTCCTGTCCTGTCCCCCTGCCCA	20873
TJU_CMC_MD2.ID01152.3p-miR	16	+	31226828	31226847	GGGCCGTTCGGGCTGGCTCC	20874
TJU_CMC_MD2.ID01153.3p-miR	16	+	33293927	33293947	TGTCCGGCTGGGTGGCTTGGC	20875
TJU_CMC_MD2.ID01154.5p-miR	16	+	33965015	33965034	GCGGTGGGCCCGCGGGGGAG	20876
TJU_CMC_MD2.ID01155.5p-miR	16	+	33966063	33966085	CGTCCCGGTCGCCGCGGTTCGCC	20877
TJU_CMC_MD2.ID01156.3p-miR	16	+	47708309	47708329	CTGAAACCACAATTGCTTTGC	20878

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01157.5p-miR	16	+	48643912	48643931	GGGGGCCGGCGGCGGCGACG	20879
TJU_CMC_MD2.ID01158.3p-miR	16	+	49872551	49872570	CGCCGCCGTCCCCAGCGCTG	20880
TJU_CMC_MD2.ID01159.5p-miR	16	-	50187347	50187368	GGGAGCCCGGCCGGCGCCGGCG	20881
TJU_CMC_MD2.ID01160.3p-miR	16	+	50332768	50332790	CCCAGCCCCACATCTTCCAGTGA	20882
TJU_CMC_MD2.ID01161.5p-miR	16	+	50830176	50830197	ACTGGCAAAAGGGTTTAGAACT	20883
TJU_CMC_MD2.ID01162.3p-miR	16	+	53165542	53165562	CTTCCCCGTCCCGCGCGAGGT	20884
TJU_CMC_MD2.ID01163.3p-miR	16	-	53644725	53644746	ATGAGTACGGGATCTCTGTAGA	20885
TJU_CMC_MD2.ID01164.3p-miR	16	+	56225302	56225323	ACTCGCGCGCTGCGCTGGCCTC	20886
TJU_CMC_MD2.ID01166.3p-miR	16	+	57693287	57693307	TTCCCACACTGGCCCACCAGG	20887
TJU_CMC_MD2.ID01167.3p-miR	16	+	57794773	57794792	CTTGTTGATGTGCTGCGCCT	20888
TJU_CMC_MD2.ID01167.5p-miR	16	+	57794733	57794755	AGCGCAGGGCAGCAATGACGTCC	20889
TJU_CMC_MD2.ID01168.5p-miR	16	-	66730771	66730792	CCCCTCCCCGAGGCCCGCGGCG	20890
TJU_CMC_MD2.ID01169.5p-miR	16	-	67201221	67201243	GTCTGGTTGGGGGGAAGGCTGGC	20891
TJU_CMC_MD2.ID01170.3p-miR	16	+	67236272	67236295	CTGAGCCCCTCCTGCCCCCCCACT	20892
TJU_CMC_MD2.ID01171.3p-miR	16	+	67693960	67693979	GAGCGGCGTCAATCCCACCA	20893
TJU_CMC_MD2.ID01172.3p-miR	16	-	67700187	67700207	ACCTCTGAGCCCCGGACTCCG	20894
TJU_CMC_MD2.ID01173.3p-miR	16	-	67970215	67970237	TGCGGTCCCTCCCTCTCCTCAGG	20895
TJU_CMC_MD2.ID01174.5p-miR	16	-	67976722	67976742	TGGGGCTCCAGGCCTGGGTGC	20896
TJU_CMC_MD2.ID01175.3p-miR	16	-	67991716	67991738	ACCCAGCTGAGCCGCTCACCCAG	20897
TJU_CMC_MD2.ID01176.5p-miR	16	-	69419868	69419887	CGCTGTTTCTATCATGGCCG	20898
TJU_CMC_MD2.ID01177.5p-miR	16	-	69599746	69599768	AACAGCAGCAACATGGGCCTCGC	20899
TJU_CMC_MD2.ID01178.5p-miR	16	+	69796285	69796304	GCCACGGCAGGTAGCGAGCG	20900
TJU_CMC_MD2.ID01180.3p-miR	16	-	70733733	70733754	AAGCGCAGTGCTGCACACCACC	20901
TJU_CMC_MD2.ID01181.3p-miR	16	-	71323200	71323221	TCCGGACAGCCTTCCCCCCAGT	20902
TJU_CMC_MD2.ID01181.5p-miR	16	-	71323245	71323264	GGGCCCGGAGGTGGGACTGG	20903
TJU_CMC_MD2.ID01182.5p-miR	16	+	72142303	72142326	ATGTTGGGATGAGGGGAGGGTCGA	20904
TJU_CMC_MD2.ID01183.3p-miR	16	-	72828140	72828161	TGGAAGGGATTGAAGACTTTGA	20905
TJU_CMC_MD2.ID01184.3p-miR	16	+	73091884	73091903	GCCGGGAGCGGCGGGGGCGG	20906

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TJU_CMC_MD2.ID01185.3p-miR	16	+ 73327780	73327801	GCAAGAACTTCCATTGTACATT	20907
TJU_CMC_MD2.ID01186.3p-miR	16	- 74988455	74988474	TCCACAGTGGCTAAACCTTT	20908
TJU_CMC_MD2.ID01187.3p-miR	16	- 75498266	75498286	GGTCCCGGGTGCGCAGCCTGC	20909
TJU_CMC_MD2.ID01189.5p-miR	16	+ 78659661	78659681	ACTTTTGCAGTTTTTGCCAGT	20910
TJU_CMC_MD2.ID01190.5p-miR	16	- 80837976	80837999	CGGGCGGCGGCGGCGGGCGGCGGG	20911
TJU_CMC_MD2.ID01191.5p-miR	16	+ 81511738	81511758	ATCCCAGGGCCAGTCTCCACT	20912
TJU_CMC_MD2.ID01194.3p-miR	16	+ 84004088	84004108	CTCCCATAGCTGTGCTTCAGT	20913
TJU_CMC_MD2.ID01194.5p-miR	16	+ 84004049	84004068	TGAGGTTCAGCCAGGAGGAG	20914
TJU_CMC_MD2.ID01195.3p-miR	16	+ 84538456	84538475	CCCGGGAATCCGGCCCGGCT	20915
TJU_CMC_MD2.ID01196.3p-miR	16	- 84599929	84599950	GCACACACGTCCATTCCCTACT	20916
TJU_CMC_MD2.ID01197.3p-miR	16	- 85496408	85496430	CCGCCCCCCGGCCCCGCGCCCCC	20917
TJU_CMC_MD2.ID01199.5p-miR	16	- 87090065	87090085	CAGCATGAGGGCTGTGGATGC	20918
TJU_CMC_MD2.ID01200.3p-miR	16	- 87406749	87406769	AGGAATTGGCTGGGTGTTGTG	20919
TJU_CMC_MD2.ID01201.5p-miR	16	+ 87799662	87799682	AGGTTCGGTCTTGGAGCTCCG	20920
TJU_CMC_MD2.ID01202.5p-miR	16	- 87874553	87874574	TCAAGGGGCAGTTAAAGGGAGT	20921
TJU_CMC_MD2.ID01203.3p-miR	16	+ 87887512	87887532	TCACGTCTGCGGCTGTCACGT	20922
TJU_CMC_MD2.ID01204.3p-miR	16	+ 88519699	88519722	AGCGCCCTCGCAGTGGCCGCCTGC	20923
TJU_CMC_MD2.ID01205.5p-miR	16	+ 88577726	88577747	ACCTCCAGCCACAGCTCCCAGT	20924
TJU_CMC_MD2.ID01206.3p-miR	16	- 88600546	88600568	GGGAGAGGGGGCCGGGGGCGCGG	20925
TJU_CMC_MD2.ID01207.3p-miR	16	- 88772310	88772332	TCACCGGGCGACCTGCCGGCCCTG	20926
TJU_CMC_MD2.ID01208.3p-miR	16	- 88797727	88797747	GGTGAGGGTGTCTGAGCCCAC	20927
TJU_CMC_MD2.ID01208.5p-miR	16	- 88797775	88797797	TCGGCCGTGATGCCTCACACCCA	20928
TJU_CMC_MD2.ID01209.3p-miR	16	- 88798953	88798973	CGGCTGCCCCCCTGACCCTTGC	20929
TJU_CMC_MD2.ID01210.3p-miR	16	+ 88826334	88826357	CCGAGCCCGGCCAGGCCCACCTTC	20930
TJU_CMC_MD2.ID01211.3p-miR	16	- 88833737	88833759	TCTCCCAGCACAGCCCCCTGACC	20931
TJU_CMC_MD2.ID01212.5p-miR	16	+ 88877956	88877975	GCCTGCGATGTAGTCGATGC	20932
TJU_CMC_MD2.ID01213.5p-miR	16	- 88943683	88943705	TGGCCCCTCTGCCCCCACCCAGA	20933
TJU_CMC_MD2.ID01214.5p-miR	16	- 88968216	88968238	TGCCCCCGTGATCCTGCACGTGG	20934
TJU_CMC_MD2.ID01215.5p-miR	16	+ 89007544	89007565	CGCTGTCTTCTGGCGCCGCACC	20935
TJU_CMC_MD2.ID01216.3p-miR	16	- 89284005	89284028	GCCTATGGTGCGGGGAGGTAGTAG	20936
TJU_CMC_MD2.ID01217.5p-miR	16	+ 89588885	89588906	ACGTCGTTACCACCGCTGGGTC	20937

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TJU_CMC_MD2.ID01218.3p-miR	16	+	89761030	89761053	TCAGCAGACGTCTGGCCGCAGTGA	20938
TJU_CMC_MD2.ID01219.3p-miR	16	-	89768025	89768047	GGGGACAGACAGGTAGCGCCGTC	20939
TJU_CMC_MD2.ID01220.5p-miR	16	-	89785782	89785805	CTGGAGAGAAAGGCAGTCAGAGGA	20940
TJU_CMC_MD2.ID01221.3p-miR	16	+	89992816	89992839	GCAGCCCCTTCATCGGGGACCCCC	20941
TJU_CMC_MD2.ID01222.3p-miR	16	+	90092737	90092758	TCAAAGTTGCTAAAACCACGCA	20942
TJU_CMC_MD2.ID01223.5p-miR	17	-	246946	246969	CCCTAAGCCTTATAGCAACACCGT	20943
TJU_CMC_MD2.ID01224.5p-miR	17	-	935031	935051	GGGACTGGCAGCCGGGACTGA	20944
TJU_CMC_MD2.ID01225.3p-miR	17	-	942733	942754	TTGGAGAGTGGGCAGCAGAGAC	20945
TJU_CMC_MD2.ID01226.5p-miR	17	-	1200580	1200602	CAAGCTCAAGTTGGGCACCCCAC	20946
TJU_CMC_MD2.ID01227.5p-miR	17	-	1359496	1359516	CTGCTGTGAAGCTGAAACCGG	20947
TJU_CMC_MD2.ID01228.3p-miR	17	-	1359537	1359556	CGGAGGGGGAGGCCCGCGGC	20948
TJU_CMC_MD2.ID01229.3p-miR	17	+	1359827	1359848	TAGGCAGCGACTCCCAGACAGA	20949
TJU_CMC_MD2.ID01230.3p-miR	17	-	1374452	1374473	CAACCCCGGGCTGATCACTACT	20950
TJU_CMC_MD2.ID01231.3p-miR	17	-	1465947	1465967	CACGACGAAGACGCACAGGCA	20951
TJU_CMC_MD2.ID01232.3p-miR	17	+	1552418	1552440	CCCCGCCCCCGGAGCCCCGCCCA	20952
TJU_CMC_MD2.ID01233.3p-miR	17	+	1633650	1633672	TCAGGGCCTGCTCCCACCCCGCA	20953
TJU_CMC_MD2.ID01234.3p-miR	17	-	1733067	1733089	AGGGCGCAGTTCCGGGCGCGTCT	20954
TJU_CMC_MD2.ID01235.3p-miR	17	+	1733238	1733261	AGCGCCCGGGCCCGCCCCTGAGCC	20955
TJU_CMC_MD2.ID01236.5p-miR	17	-	1960670	1960689	CGCCGCGGAGCCCGGCGGGC	20956
TJU_CMC_MD2.ID01237.3p-miR	17	-	2343523	2343546	TGGTGTCTTGCTCTGTCAACCAGA	20957
TJU_CMC_MD2.ID01238.5p-miR	17	-	2614952	2614975	GGACGCCCGCTCCCGCCACCATGG	20958
TJU_CMC_MD2.ID01240.5p-miR	17	-	4046269	4046291	TCCTCCGCGTCCCCGCCCGCCAG	20959
TJU_CMC_MD2.ID01241.3p-miR	17	-	4269910	4269931	GAGGCAGTGGCGGGGGGAAGGCA	20960
TJU_CMC_MD2.ID01242.3p-miR	17	+	4447865	4447888	AGCAGCGGCTCCAGCAGCTCCAGG	20961
TJU_CMC_MD2.ID01243.3p-miR	17	+	4799926	4799947	CCCCGGGGTGCAGCCTGCTCAG	20962
TJU_CMC_MD2.ID01244.3p-miR	17	-	4802402	4802424	ACCCCGGTGTTTTCCCCGCCAGC	20963
TJU_CMC_MD2.ID01245.3p-miR	17	-	4862938	4862960	CTACCCTCCTCTCTGCCCCTAGT	20964
TJU_CMC_MD2.ID01246.3p-miR	17	-	4886187	4886210	CAGGGCAACCCTTCCCTTCCCAGG	20965
TJU_CMC_MD2.ID01247.3p-miR	17	-	5404101	5404120	CGCGCGGGCGGGAGGGCGCA	20966
TJU_CMC_MD2.ID01248.3p-miR	17	+	5973788	5973807	CCCCGGGGAGCCAGGCGGCG	20967
TJU_CMC_MD2.ID01249.5p-miR	17	+	6916013	6916036	TCCTGTGCTGTGGGCCGAAGCTGG	20968

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TJU_CMC_MD2.ID01251.3p-miR	17	-	7297695	7297716	CCGTCGGCCCACAGCCTCCTCC	20969
TJU_CMC_MD2.ID01252.3p-miR	17	-	7738773	7738795	TCGGTCCCTAACCCCCTCCGGAC	20970
TJU_CMC_MD2.ID01253.3p-miR	17	+	7739048	7739070	CCCACACGCTCGCGCCCACCCCC	20971
TJU_CMC_MD2.ID01254.5p-miR	17	+	7746127	7746147	TGACTCACGCTCCCCCACCCC	20972
TJU_CMC_MD2.ID01255.5p-miR	17	-	8042747	8042769	GAGTTAGCGGGGAGTGATATATT	20973
TJU_CMC_MD2.ID01256.3p-miR	17	+	8170521	8170543	CCTTTCCCAAAGCCTCCGTGCCC	20974
TJU_CMC_MD2.ID01257.3p-miR	17	+	8645028	8645047	CCCAGCCCTCCCGGGGCCCA	20975
TJU_CMC_MD2.ID01258.3p-miR	17	-	8725974	8725995	CCTCTTCTCATCTCCCCACAGA	20976
TJU_CMC_MD2.ID01259.3p-miR	17	-	10031364	10031386	CAGGCCTGGCTGGGCTCCCTGGA	20977
TJU_CMC_MD2.ID01260.3p-miR	17	+	13709829	13709848	TTGATAAGCTGTGGAAAGCA	20978
TJU_CMC_MD2.ID01261.5p-miR	17	-	15645143	15645162	CCCCGAGGCCTCCCTCCCTC	20979
TJU_CMC_MD2.ID01262.3p-miR	17	+	15903278	15903298	AGGTGCAGGTGCCGCCATCCC	20980
TJU_CMC_MD2.ID01263.5p-miR	17	+	16144087	16144108	TAGAGGCGTGAGCCAGCGCACC	20981
TJU_CMC_MD2.ID01264.3p-miR	17	-	17109651	17109670	GCGGTCTAGGGCTGGGGGCG	20982
TJU_CMC_MD2.ID01265.3p-miR	17	-	17140424	17140446	CCTGGTTCTGCCAGCTCCCCTGA	20983
TJU_CMC_MD2.ID01266.3p-miR	17	+	17410638	17410657	CCTGTGCCAAGCTGCCCCCT	20984
TJU_CMC_MD2.ID01267.3p-miR	17	+	17598253	17598275	AGGCGGCGCGCATCTCTGGGCCT	20985
TJU_CMC_MD2.ID01268.3p-miR	17	+	17717212	17717234	CAATGCAACAGCAATGCACCGCG	20986
TJU_CMC_MD2.ID01269.3p-miR	17	-	17721622	17721643	TTTCTGCAACACAGCAACCAGA	20987
TJU_CMC_MD2.ID01270.3p-miR	17	+	17739783	17739806	TGTCCCGGCCCCGGAGCCGCCAAGG	20988
TJU_CMC_MD2.ID01271.3p-miR	17	-	18086360	18086381	TCCCGGTGACGGCGAGCGTGGG	20989
TJU_CMC_MD2.ID01272.3p-miR	17	-	18149386	18149409	CTGCGAACACCCCCACCCCTGCAC	20990
TJU_CMC_MD2.ID01273.3p-miR	17	+	20166540	20166562	TGACTTCTTATTCTTTCCTGTGT	20991
TJU_CMC_MD2.ID01273.5p-miR	17	+	20166504	20166525	CGGGAAAGAATAAGAAGCCATA	20992
TJU_CMC_MD2.ID01274.5p-miR	17	-	20945980	20946000	CGGCTGAGGCCCGCAAGCGCA	20993
TJU_CMC_MD2.ID01275.5p-miR	17	+	20946126	20946146	TCGGGCTCTGGCCGGGACACC	20994
TJU_CMC_MD2.ID01276.5p-miR	17	-	21145550	21145570	AGCCTGGGAGACACACTAGCA	20995
TJU_CMC_MD2.ID01277.5p-miR	17	+	21224421	21224440	ACTCTGAGATTTCACAGGCT	20996
TJU_CMC_MD2.ID01278.3p-miR	17	+	27071099	27071119	CCCCGCTCGCCCGTGCCGGCC	20997
TJU_CMC_MD2.ID01278.5p-miR	17	+	27071065	27071085	CGAGGCGCGGGCTGTGGGGCC	20998
TJU_CMC_MD2.ID01279.5p-miR	17	+	27074789	27074810	TGGGTCTAGGGGTGGGAACTGG	20999

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TJU_CMC_MD2.ID01280.3p-miR	17	-	27422077	27422098	AGCCGCCACACTCCCTCGCAGG	21000
TJU_CMC_MD2.ID01281.3p-miR	17	+	27467402	27467423	TCTGATGCTGCTCTGGCTCCGT	21001
TJU_CMC_MD2.ID01282.3p-miR	17	+	27895783	27895805	CCTCCTCCGCCTTCGCCCCAACT	21002
TJU_CMC_MD2.ID01284.3p-miR	17	-	28088314	28088333	AGGCCAGGATGCGGAGTTGT	21003
TJU_CMC_MD2.ID01285.3p-miR	17	-	29151698	29151718	CCCGGTGCAGTCGGGAACCCG	21004
TJU_CMC_MD2.ID01286.3p-miR	17	+	29421413	29421432	CACCGGGTCTAGCATTGGGA	21005
TJU_CMC_MD2.ID01287.5p-miR	17	+	30884892	30884914	ACGCTCATTCATTTATGTCCACA	21006
TJU_CMC_MD2.ID01288.3p-miR	17	-	32835601	32835622	TAGAGATAACAGTTTATGAAAA	21007
TJU_CMC_MD2.ID01289.5p-miR	17	-	33288446	33288465	GCTCAGAATCGCGACTAAGG	21008
TJU_CMC_MD2.ID01290.3p-miR	17	-	33416250	33416269	CGCGACCGCCCCCGGGTGCC	21009
TJU_CMC_MD2.ID01291.3p-miR	17	+	35716402	35716425	CCTGGCCCGGCCTTCGCGGCCCCT	21010
TJU_CMC_MD2.ID01292.5p-miR	17	+	35766999	35767022	CGACCGGCGGCTCTTTGGCGCGGA	21011
TJU_CMC_MD2.ID01293.5p-miR	17	+	35767187	35767208	TGGCGGGCCGGCGGGCGGGCAG	21012
TJU_CMC_MD2.ID01294.3p-miR	17	-	35849810	35849829	GCCGTGCGGTGTGGTCCGGG	21013
TJU_CMC_MD2.ID01295.3p-miR	17	+	36621883	36621904	ACTCCTTCTCACCCCTGTGGCT	21014
TJU_CMC_MD2.ID01297.5p-miR	17	+	36743251	36743271	ACCCGGGGAGGGGGGCGGGCA	21015
TJU_CMC_MD2.ID01298.5p-miR	17	-	36760852	36760873	CCAGCCCCACGCGTCCCCATGC	21016
TJU_CMC_MD2.ID01299.3p-miR	17	+	36886675	36886695	CTGCACCAGCCCCCGTCCCGA	21017
TJU_CMC_MD2.ID01302.5p-miR	17	+	37049553	37049575	TGCAGATTCCTAGGCCCCACCCA	21018
TJU_CMC_MD2.ID01303.5p-miR	17	+	37557380	37557399	CCCCCGCGGGGGCCCGCTGG	21019
TJU_CMC_MD2.ID01304.5p-miR	17	+	37558715	37558736	AGCTGCACCTGAGGCCGGGGGT	21020
TJU_CMC_MD2.ID01305.3p-miR	17	+	37832119	37832141	CTCTGGGCTGAGCCTTGCTGCTT	21021
TJU_CMC_MD2.ID01306.5p-miR	17	+	37872688	37872708	TATGAGGGGCGGAGGAGAGGG	21022
TJU_CMC_MD2.ID01307.3p-miR	17	-	37910505	37910525	GCGCTGCACGCCAGTCTCGCC	21023
TJU_CMC_MD2.ID01308.3p-miR	17	+	37910877	37910896	CTGCTCGGGCTGTGATAGGA	21024
TJU_CMC_MD2.ID01309.3p-miR	17	+	38242938	38242960	TGACCCCCGTCTTTCTCTCTAGC	21025
TJU_CMC_MD2.ID01310.3p-miR	17	-	38278621	38278642	GCCTCGCCGCCGCCTCTGCTGC	21026
TJU_CMC_MD2.ID01310.5p-miR	17	-	38278663	38278682	CGTGGAGGCCGCGGCTGAGG	21027
TJU_CMC_MD2.ID01311.3p-miR	17	-	38278944	38278967	GGGCCCGCCCAGCGCCGCAGCCCG	21028
TJU_CMC_MD2.ID01312.5p-miR	17	+	38508521	38508543	TGGAGCCAGGCTGAGAAGGGGTG	21029

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TJU_CMC_MD2.ID01313.3p-miR	17	-	39890861	39890881	CCCGAAGAGGTTGGGCCGGTG	21030
TJU_CMC_MD2.ID01314.5p-miR	17	-	40224488	40224507	GCCGGCGGGAGGGGGCCCGC	21031
TJU_CMC_MD2.ID01315.3p-miR	17	+	40610852	40610871	GGGGGCCGGCGGCGGCGCAG	21032
TJU_CMC_MD2.ID01316.5p-miR	17	-	40822018	40822037	CGGGGCATGGGCCGAGCTGA	21033
TJU_CMC_MD2.ID01318.3p-miR	17	+	42200848	42200868	TCTGGGCCGGGGCGGCGCGCT	21034
TJU_CMC_MD2.ID01319.5p-miR	17	+	42276848	42276867	TCCGTCCCGTACTCACCCCG	21035
TJU_CMC_MD2.ID01320.3p-miR	17	-	42284741	42284764	GTGACTCCACATCCTTTCTCACCC	21036
TJU_CMC_MD2.ID01321.5p-miR	17	+	42296034	42296054	CGGGGGAAGAGGAAGGGCGGG	21037
TJU_CMC_MD2.ID01322.3p-miR	17	+	42296558	42296580	CGGCCGGGGAGAACTGCGCCTGC	21038
TJU_CMC_MD2.ID01322.5p-miR	17	+	42296523	42296543	GGCGCAGCGCTCACCGGCCCC	21039
TJU_CMC_MD2.ID01323.3p-miR	17	-	42297103	42297124	GCGGCGGCGGCGGGGGGTGTGC	21040
TJU_CMC_MD2.ID01324.5p-miR	17	+	42297277	42297296	CCGCTCCCTCCCACAGCCTG	21041
TJU_CMC_MD2.ID01327.3p-miR	17	-	42344333	42344352	CTTTGGGGATTCTAAGAGTT	21042
TJU_CMC_MD2.ID01328.3p-miR	17	+	42430096	42430117	AGTGTTTGCGCAGGGAGGCCCC	21043
TJU_CMC_MD2.ID01329.3p-miR	17	-	42464299	42464322	CCAGGCATGGTGTTGCACACCCGC	21044
TJU_CMC_MD2.ID01330.3p-miR	17	+	42849743	42849765	CCCCTCACCTGCCCCTCCCCACA	21045
TJU_CMC_MD2.ID01331.3p-miR	17	+	42907035	42907056	TGCGCCCCTAACCGCCCGGGTA	21046
TJU_CMC_MD2.ID01332.3p-miR	17	-	42961486	42961507	TGAGCCTCTGCTCCCGGCCTAA	21047
TJU_CMC_MD2.ID01333.3p-miR	17	-	43004453	43004476	TCAGCCTCCTTCCCTGTCCTCCCT	21048
TJU_CMC_MD2.ID01334.3p-miR	17	+	43245569	43245590	CCTTGCGCGGTGGCTCACACCT	21049
TJU_CMC_MD2.ID01334.5p-miR	17	+	43245530	43245551	CCTGAGCCACCATGCTGAGCCT	21050
TJU_CMC_MD2.ID01335.3p-miR	17	+	43249529	43249551	AAGCTCCAGTTTACAAGACACCC	21051
TJU_CMC_MD2.ID01336.3p-miR	17	+	43299521	43299544	GCCCGCGGGCCCCGCCGCGCCGCC	21052
TJU_CMC_MD2.ID01337.3p-miR	17	+	43394748	43394770	ACATGCGCCCTCGGCTTCTGGCA	21053
TJU_CMC_MD2.ID01338.5p-miR	17	+	43662639	43662662	CGGGGGCAGAGAGCCTGGGGCGCC	21054
TJU_CMC_MD2.ID01339.5p-miR	17	-	44270878	44270901	CGCGCCGGGGTGGAGCGGCCCTTC	21055
TJU_CMC_MD2.ID01340.5p-miR	17	-	45050435	45050455	AGTGGGATTTCCGAGTAGCAT	21056
TJU_CMC_MD2.ID01341.5p-miR	17	-	45266445	45266466	GGGAAGCAGCAGCGTAGGGCCA	21057
TJU_CMC_MD2.ID01342.5p-miR	17	-	45331164	45331184	CCGCCGCCCGCGGCCGCTTTT	21058

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Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01343.5p-miR	17	+	45376355	45376377	ACCCTTTCTCTTGCCTTTCTCAG	21059
TJU_CMC_MD2.ID01344.3p-miR	17	+	45727730	45727752	TCTCCCACTTTCCTCCCCCTAGA	21060
TJU_CMC_MD2.ID01345.3p-miR	17	+	45728187	45728209	CCGGGCCCGGCCGCCCGCCCTGT	21061
TJU_CMC_MD2.ID01346.3p-miR	17	-	45928462	45928483	TGGCTCCTGCCCGCCCTCCGTC	21062
TJU_CMC_MD2.ID01347.3p-miR	17	-	46048110	46048132	CTGGCGGGGTCCTAGCGCCGATC	21063
TJU_CMC_MD2.ID01350.3p-miR	17	-	46709857	46709878	ACAACAACATTAAACCACCCGA	21064
TJU_CMC_MD2.ID01351.3p-miR	17	-	46719966	46719987	CCCGACAGGGAGGTGGCCGGGC	21065
TJU_CMC_MD2.ID01351.5p-miR	17	-	46720006	46720028	GCGACTGCCTCCCTGCTGTGAGC	21066
TJU_CMC_MD2.ID01352.3p-miR	17	+	46806504	46806526	CCTTCTCCTCCTCTCCCTCCCTA	21067
TJU_CMC_MD2.ID01353.3p-miR	17	+	46986059	46986080	TGCCCGGGCTCCCGCCCTCAGC	21068
TJU_CMC_MD2.ID01354.3p-miR	17	-	48219562	48219583	CCCCACCCTCCATCTCCCTCAG	21069
TJU_CMC_MD2.ID01355.3p-miR	17	+	48423468	48423487	GGCTGGGCGCGCGCCCCGCG	21070
TJU_CMC_MD2.ID01356.3p-miR	17	-	48474846	48474865	CGGCACCGGTGGGAGCTAGG	21071
TJU_CMC_MD2.ID01357.5p-miR	17	-	48943097	48943119	GGGTTCGAGGGGCCGGTGGCCGC	21072
TJU_CMC_MD2.ID01358.5p-miR	17	-	48943692	48943715	AGAAGGAGCGAAGCTCTGGCCCGG	21073
TJU_CMC_MD2.ID01359.5p-miR	17	-	48996592	48996613	AGGCCCAAGCTCATATCCCTGC	21074
TJU_CMC_MD2.ID01360.3p-miR	17	+	53586250	53586270	CTTCAGCCTGGGTGATAAGGG	21075
TJU_CMC_MD2.ID01361.5p-miR	17	+	54911455	54911474	CCCGCCTCCAGCTCGCGGCC	21076
TJU_CMC_MD2.ID01362.5p-miR	17	-	54968073	54968094	ATAGCCTCTCTTCCCTGGATTG	21077
TJU_CMC_MD2.ID01363.3p-miR	17	+	56065826	56065845	CGGCGTCCCCCCCCGCGGGG	21078
TJU_CMC_MD2.ID01364.3p-miR	17	-	56116643	56116663	TTCCAGACCCAAGTGAACCTA	21079
TJU_CMC_MD2.ID01366.5p-miR	17	+	57409027	57409050	CGGACCCGGAGGGATGCGGAGTGG	21080
TJU_CMC_MD2.ID01367.5p-miR	17	+	57409418	57409440	CTCGCGGAGGGAGCCCAAGGGCG	21081
TJU_CMC_MD2.ID01368.3p-miR	17	+	57443486	57443505	AGCGTCCCAGCAGATAAATG	21082
TJU_CMC_MD2.ID01369.3p-miR	17	+	57754518	57754539	AACGTGGCCAATGTGATCTGGA	21083
TJU_CMC_MD2.ID01370.5p-miR	17	+	58469873	58469893	CGTTCGGCGGGTGGGGTCCGA	21084
TJU_CMC_MD2.ID01371.3p-miR	17	+	61043674	61043694	CGCGCGAGCCGCCCGCCCGGC	21085

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Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01371.5p-miR	17	+	61043627	61043647	GGTTGCTGGGCGCGCTGCTCC	21086
TJU_CMC_MD2.ID01373.3p-miR	17	+	61777045	61777067	GCCCCGACCTGACCCCGGCCCTC	21087
TJU_CMC_MD2.ID01374.3p-miR	17	-	61777439	61777461	GCGCCCGCGCCCTCCTCGTACCC	21088
TJU_CMC_MD2.ID01375.5p-miR	17	-	62007788	62007811	TGCTGCTGGGGCTGGCACTCAGGA	21089
TJU_CMC_MD2.ID01376.5p-miR	17	+	62223339	62223360	CCTGCAGGTTCCGGGAGGTCAG	21090
TJU_CMC_MD2.ID01378.5p-miR	17	+	66016234	66016256	CTGTCGGCCGCCTGGACTTCCCG	21091
TJU_CMC_MD2.ID01379.3p-miR	17	-	66243764	66243784	CGCCGCAGGTTGACGTAGAGC	21092
TJU_CMC_MD2.ID01381.3p-miR	17	-	66440862	66440884	TACATCCATAAACACAATCTTCA	21093
TJU_CMC_MD2.ID01382.3p-miR	17	-	66453755	66453774	GGGGCGAGAAGGGGCGGGGC	21094
TJU_CMC_MD2.ID01384.5p-miR	17	-	70414190	70414212	CCAACCCCCCACCTCAAGTCTGT	21095
TJU_CMC_MD2.ID01385.5p-miR	17	-	71640968	71640988	CGGCTCCGGGACCCGCAAAGT	21096
TJU_CMC_MD2.ID01386.5p-miR	17	+	72450393	72450414	CCCGCCCTCAGAGCTGGGCCTC	21097
TJU_CMC_MD2.ID01387.3p-miR	17	-	72519044	72519065	TCTGACCACTGCATCCCCTTCC	21098
TJU_CMC_MD2.ID01388.5p-miR	17	-	72726809	72726831	CAGACTGGGCCTGGGCTGGGGTG	21099
TJU_CMC_MD2.ID01389.5p-miR	17	+	72744771	72744792	GCCGCGCGGGGCGGGGATTGGT	21100
TJU_CMC_MD2.ID01390.3p-miR	17	-	72869057	72869078	TTCCCAGCCATGGCTTCGCGCT	21101
TJU_CMC_MD2.ID01391.3p-miR	17	-	73042957	73042979	CTCCTCTGCTCTGCCCTCTCCAA	21102
TJU_CMC_MD2.ID01392.3p-miR	17	+	73084333	73084354	AGCCCAAGGGCGCTCGGACTCC	21103
TJU_CMC_MD2.ID01393.3p-miR	17	+	73257991	73258012	CCCGCAGTGAAGGTTGCCCGAG	21104
TJU_CMC_MD2.ID01394.5p-miR	17	-	73402219	73402241	ATCCGGTCCGTACAAACTCTGCA	21105
TJU_CMC_MD2.ID01395.5p-miR	17	+	73492307	73492329	GTGCCCAGTCCTGTGGGAGATAC	21106
TJU_CMC_MD2.ID01396.3p-miR	17	+	73513068	73513090	ACCCCTCCCCACTCCTCGCCAGG	21107
TJU_CMC_MD2.ID01397.5p-miR	17	+	73549085	73549106	CGGCTCCGGCTGCTGACTTCCT	21108
TJU_CMC_MD2.ID01398.3p-miR	17	-	73586082	73586103	TAGCAGCACGGCGGCGCCAAGC	21109
TJU_CMC_MD2.ID01399.3p-miR	17	+	73616302	73616324	AGGCCCTCGCCTGCTTGCCCACA	21110
TJU_CMC_MD2.ID01400.3p-miR	17	-	73900950	73900970	AGGCCGGAGGGAAGATGGCGG	21111
TJU_CMC_MD2.ID01401.3p-miR	17	+	73901318	73901338	GCCTGGTTGGGAGAAGGGGTG	21112
TJU_CMC_MD2.ID01402.5p-miR	17	-	74137330	74137350	CCGGTCCCGGGGCCGCGGTAG	21113

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TJU_CMC_MD2.ID01403.5p-miR	17	+	74261469	74261491	AGCGGCGGCAGCAGCGGTGAGCG	21114
TJU_CMC_MD2.ID01404.5p-miR	17	+	74479169	74479191	TGAACCCGAGAGGAAGAGATTGC	21115
TJU_CMC_MD2.ID01405.5p-miR	17	-	74683754	74683775	CACGCCTGCTTTCTAAGCAGCT	21116
TJU_CMC_MD2.ID01406.5p-miR	17	+	75456490	75456511	TGGGGACCCAGCTGCTGAAGTT	21117
TJU_CMC_MD2.ID01407.3p-miR	17	+	75463581	75463602	CAGGCCCCAAGTCCCCACTCCA	21118
TJU_CMC_MD2.ID01409.3p-miR	17	+	75730966	75730985	TGCCTCTCTCCCCACTCTGC	21119
TJU_CMC_MD2.ID01410.5p-miR	17	-	76050724	76050746	ACAGTAGTCTGCAGTGGTGTGCA	21120
TJU_CMC_MD2.ID01411.3p-miR	17	-	76113427	76113449	CCGACAGCCCCTCTCCCGCAGGG	21121
TJU_CMC_MD2.ID01412.5p-miR	17	-	76120613	76120634	TGCACAGGCCTGGAGCTCCTCA	21122
TJU_CMC_MD2.ID01413.3p-miR	17	-	76124104	76124127	GAGCTTAGAAGGGCCTGTCTGGAG	21123
TJU_CMC_MD2.ID01414.3p-miR	17	+	76127942	76127963	CCTGTCACCACCCCCGTCCAGG	21124
TJU_CMC_MD2.ID01415.3p-miR	17	+	76136874	76136897	AAGCAGCGCCTGTCGCAACTCGCC	21125
TJU_CMC_MD2.ID01415.5p-miR	17	+	76136835	76136855	AGAGTTGCTGCCGCTGCTGTC	21126
TJU_CMC_MD2.ID01416.3p-miR	17	-	76356139	76356158	GGCTCCGACTTGGACTCCCT	21127
TJU_CMC_MD2.ID01417.3p-miR	17	+	76553943	76553964	TAAGATCTCCAAGTGGAACAGA	21128
TJU_CMC_MD2.ID01418.3p-miR	17	+	76777683	76777703	GGAGCCCGCGCCTCGCCGGCG	21129
TJU_CMC_MD2.ID01419.3p-miR	17	-	76793853	76793875	CTGTCACGGTAGGAGCTCTCCCG	21130
TJU_CMC_MD2.ID01420.3p-miR	17	+	76926598	76926619	CTCCCCATCCAGCCGGGTCTCA	21131
TJU_CMC_MD2.ID01421.3p-miR	17	-	77005809	77005831	TCCGTCCCGGCCGTTAGCCCAGC	21132
TJU_CMC_MD2.ID01422.3p-miR	17	-	77680992	77681013	AGCCTCTCCCTTCCTCCCCTCC	21133
TJU_CMC_MD2.ID01423.3p-miR	17	-	77812604	77812627	CCGGCGCCCTGTGTTGTGCTCCGC	21134
TJU_CMC_MD2.ID01424.5p-miR	17	-	77813075	77813098	TCTGCAGCCGCGCCGGCCGCCAGC	21135
TJU_CMC_MD2.ID01425.3p-miR	17	+	78234740	78234760	GGGCTAGGATACAGTGGGCCC	21136
TJU_CMC_MD2.ID01426.5p-miR	17	+	78280194	78280214	CCTGCTCATATCCTGGACTGT	21137
TJU_CMC_MD2.ID01427.3p-miR	17	+	78428735	78428754	CGCGGCGCGCCCCTGTGTCG	21138
TJU_CMC_MD2.ID01428.3p-miR	17	-	78450320	78450343	GCGGGCCGCTCGCGGAGCCACAGC	21139
TJU_CMC_MD2.ID01429.5p-miR	17	+	78967600	78967622	ACAGGCATCTCATGCGGCTGAAG	21140
TJU_CMC_MD2.ID01430.3p-miR	17	-	79008314	79008333	GCCGGCCCCTCGGGGCAGAG	21141

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TJU_CMC_MD2.ID01431.3p-miR	17	+	79095615	79095638	GCCCTCAGCGTGGCCGCCCGCAGA	21142
TJU_CMC_MD2.ID01432.3p-miR	17	+	79102864	79102885	TCAGCGGGAGGAAGGGTCAGTG	21143
TJU_CMC_MD2.ID01433.5p-miR	17	-	79269044	79269063	CCCTAGCTGGCTCTGCGGCT	21144
TJU_CMC_MD2.ID01434.5p-miR	17	+	79479608	79479627	CCCCCCCAGCCCCGTCCGCC	21145
TJU_CMC_MD2.ID01435.3p-miR	17	-	79505944	79505965	GAGCCGCACTGGTGTCCCCACA	21146
TJU_CMC_MD2.ID01436.3p-miR	17	-	79780681	79780700	ACAGGACAAGGGCAGCCCCA	21147
TJU_CMC_MD2.ID01436.5p-miR	17	-	79780713	79780734	ACTGGGCTGGTTTTGTCCTTGA	21148
TJU_CMC_MD2.ID01437.5p-miR	17	+	79791253	79791276	CCCGTGCGGGGTTGGGGCTCGTGG	21149
TJU_CMC_MD2.ID01439.3p-miR	17	-	79859838	79859858	GCCGCAGTGGCAGCAGGGGAG	21150
TJU_CMC_MD2.ID01440.3p-miR	17	+	79919346	79919368	GCGCCGCCGCCCCCCCCCGCGGG	21151
TJU_CMC_MD2.ID01441.5p-miR	17	-	79935330	79935349	CGCGCCAGACCCGGAAAGCG	21152
TJU_CMC_MD2.ID01442.3p-miR	17	-	79987491	79987513	ACCTCCTCCAGGCGGGCCTGGCT	21153
TJU_CMC_MD2.ID01443.3p-miR	17	-	79994203	79994225	ACACCCCACTTGCCCTGCTGACC	21154
TJU_CMC_MD2.ID01444.5p-miR	17	-	80048293	80048315	TGCCTACTGGAGGGGACAGTGCA	21155
TJU_CMC_MD2.ID01445.3p-miR	17	-	80056229	80056248	CGGCGGCGGCGCGCCGGGTC	21156
TJU_CMC_MD2.ID01447.5p-miR	17	+	80170750	80170771	CGCTCGGGTCCCGCCGACAGGA	21157
TJU_CMC_MD2.ID01448.5p-miR	17	-	80201693	80201714	AACCGAGAGGTGGTTACTGTAG	21158
TJU_CMC_MD2.ID01449.3p-miR	17	-	80279404	80279423	TCCGGGGCTGGACGCGCATC	21159
TJU_CMC_MD2.ID01450.5p-miR	17	-	80290400	80290421	AGCCCCTGCAGCAGCTGGGAAA	21160
TJU_CMC_MD2.ID01451.3p-miR	17	+	80349620	80349642	GCCCTTGGGATGCTGGCCGCTGA	21161
TJU_CMC_MD2.ID01452.3p-miR	17	+	80477593	80477613	GCCGCGCGTGCTCCCGCCCCT	21162
TJU_CMC_MD2.ID01453.3p-miR	17	+	80477806	80477829	ACCCGCGGGCGGCGGGGCCGGGGG	21163
TJU_CMC_MD2.ID01454.3p-miR	17	-	80626111	80626134	ATCAGCGTGCACTTCCCCACCCTG	21164
TJU_CMC_MD2.ID01455.5p-miR	17	-	80656515	80656537	CCGGGCCGCCGCCTCTGCGCTCA	21165
TJU_CMC_MD2.ID01456.3p-miR	17	+	80788395	80788416	TCTCAGGGTGGCTGGGCCCATC	21166
TJU_CMC_MD2.ID01457.3p-miR	17	+	80795969	80795991	TCAACGTGCACTGGGCCGGGTGT	21167
TJU_CMC_MD2.ID01458.5p-miR	17	-	81037753	81037775	CGGCGGCGGGGGCGGGCCCGGGG	21168
TJU_CMC_MD2.ID01459.3p-miR	17	-	81039090	81039109	CCGTCGGCCTCGGAGGCTCC	21169
TJU_CMC_MD2.ID01460.3p-miR	17	+	81057779	81057801	GGAGTCAACACTGGGCCACTGTG	21170
TJU_CMC_MD2.ID01461.3p-miR	17	-	81146705	81146724	GAGCAAGAGCCCGGGGCGTG	21171

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TJU_CMC_MD2.ID01462.3p-miR	18	-	812155	812176	TCCGCCCTCCGCCACCTCGAGC	21172
TJU_CMC_MD2.ID01464.5p-miR	18	+	2655734	2655755	GCGGCGGCGCTGGTCGCGGGTC	21173
TJU_CMC_MD2.ID01465.5p-miR	18	+	3448410	3448430	CGCACCGGGCGCAGCAGCTGA	21174
TJU_CMC_MD2.ID01466.3p-miR	18	+	3885402	3885423	TCATAAGCCTTTTGGCCACTAG	21175
TJU_CMC_MD2.ID01467.3p-miR	18	-	3885361	3885382	CATAAGCCCTCTGACCACTAGG	21176
TJU_CMC_MD2.ID01468.3p-miR	18	+	5238097	5238118	CCGAGCGGGGAGCAAGGCCTGC	21177
TJU_CMC_MD2.ID01469.5p-miR	18	-	5295484	5295505	TGGCCGCCCCCGCTCGCACCGC	21178
TJU_CMC_MD2.ID01470.3p-miR	18	+	5295563	5295585	CTCCCCGAGCCCGCTCGCCGGCC	21179
TJU_CMC_MD2.ID01471.5p-miR	18	-	5296537	5296560	TGCGCGGAGGGCGAAAGTGGCCGG	21180
TJU_CMC_MD2.ID01472.3p-miR	18	-	5895650	5895671	CTTCCGAAGGGACGGGCGGCGG	21181
TJU_CMC_MD2.ID01473.3p-miR	18	+	8705333	8705355	CCAGCGCCGCCGCGGCACCGGTG	21182
TJU_CMC_MD2.ID01474.3p-miR	18	-	8948009	8948029	TGGTTTTCTATTGCTGCCCTA	21183
TJU_CMC_MD2.ID01476.3p-miR	18	+	9614660	9614682	CCCGGCCGCCCGGGCCCCCGGCC	21184
TJU_CMC_MD2.ID01477.5p-miR	18	+	10526195	10526215	GGTCCGTCTCTCACTGGCGCG	21185
TJU_CMC_MD2.ID01478.3p-miR	18	+	12408094	12408114	ACCTCACAGCGGGCCTCGCGG	21186
TJU_CMC_MD2.ID01479.5p-miR	18	-	12884205	12884228	CGCAGCGCCAGCGCTCTCCCCGGA	21187
TJU_CMC_MD2.ID01480.5p-miR	18	+	13611127	13611149	GGCCCAGTCCCTGCTGTCATGCC	21188
TJU_CMC_MD2.ID01481.5p-miR	18	+	13726949	13726970	GCGAGCCCGGGTGGGAGAAGCA	21189
TJU_CMC_MD2.ID01482.5p-miR	18	+	18692017	18692038	CCGGACGGAGGCGGAGCTCTGG	21190
TJU_CMC_MD2.ID01483.5p-miR	18	-	19409016	19409036	ACATACTTCTTTATGTACCCA	21191
TJU_CMC_MD2.ID01484.3p-miR	18	+	29600547	29600568	AGTCCTTAAAAACATGTTGTGC	21192
TJU_CMC_MD2.ID01485.5p-miR	18	-	32835216	32835236	AGCCTTCTGTTATGAGTTACT	21193
TJU_CMC_MD2.ID01486.3p-miR	18	-	33161001	33161022	CTGCGCCTGGCGACCGCGATGC	21194
TJU_CMC_MD2.ID01487.3p-miR	18	+	35147197	35147220	CGCGGGTTTCGTTTTCGGCACCTA	21195
TJU_CMC_MD2.ID01488.5p-miR	18	+	42647698	42647719	AGTTCACCCCACTGATGAGTCT	21196
TJU_CMC_MD2.ID01489.3p-miR	18	+	43386132	43386154	ATCCCATTGCCAGGGATTAATTT	21197
TJU_CMC_MD2.ID01491.3p-miR	18	-	45456879	45456901	GGCCTGGGGGCGGGGCGGGAAGA	21198
TJU_CMC_MD2.ID01492.3p-miR	18	+	45457475	45457497	TCCCCACCTCCCTTTGCCTACGG	21199

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TJU_CMC_MD2.ID01493.3p-miR	18	+	45457726	45457748	GGGCGGAGAGGGAGAGGCCCGCG	21200
TJU_CMC_MD2.ID01494.5p-miR	18	-	46478718	46478737	TCTCCCCTCCATCGGTACCC	21201
TJU_CMC_MD2.ID01495.3p-miR	18	-	47721532	47721555	CGCGGGAGGGCGCGTCGGGCCGGG	21202
TJU_CMC_MD2.ID01497.5p-miR	18	+	48494438	48494457	GCGGGCCTGCGCCTCCCTCG	21203
TJU_CMC_MD2.ID01498.3p-miR	18	-	53146454	53146475	ATTGGACTGCTGATGGCCTGTC	21204
TJU_CMC_MD2.ID01500.3p-miR	18	-	57567050	57567073	CCCGCTGAGCGCGACCTGCCCGGA	21205
TJU_CMC_MD2.ID01501.5p-miR	18	+	60758539	60758559	GCCACACATGCAGGGCTACAC	21206
TJU_CMC_MD2.ID01502.3p-miR	18	+	61151624	61151643	AAACTAACTGCTCCCTTGTC	21207
TJU_CMC_MD2.ID01503.3p-miR	18	+	67067980	67068002	GATGGAGCGCGTCTTGCGAGCGT	21208
TJU_CMC_MD2.ID01505.3p-miR	18	+	71816230	71816251	AAAACCATCTGGACGCAGGGAC	21209
TJU_CMC_MD2.ID01505.5p-miR	18	+	71816193	71816216	AACGCTGCGACCTAGATGTATTCT	21210
TJU_CMC_MD2.ID01507.5p-miR	18	+	73759077	73759096	GGCTCTTGGCCACCAAACAA	21211
TJU_CMC_MD2.ID01508.5p-miR	18	-	74534702	74534724	CCGCCCCGCCGCTCCCGGCGCCC	21212
TJU_CMC_MD2.ID01509.3p-miR	18	-	77711647	77711667	CCCGGCGCCTGAGCGGACTGA	21213
TJU_CMC_MD2.ID01510.3p-miR	19	-	308925	308945	CTCCTGACCCCTCCCCGCAGG	21214
TJU_CMC_MD2.ID01511.5p-miR	19	-	327053	327073	GCTTGATGAAGGGTCCTTGGG	21215
TJU_CMC_MD2.ID01512.3p-miR	19	-	488960	488980	ATGCGGGCTTGGGGCGGGCGG	21216
TJU_CMC_MD2.ID01513.5p-miR	19	+	531802	531822	CGCAGAGGAGGAGGCAGGCGG	21217
TJU_CMC_MD2.ID01514.3p-miR	19	+	572596	572616	AGCGGTTGGAGGTTGTAGGAC	21218
TJU_CMC_MD2.ID01515.3p-miR	19	+	582491	582514	TCACCCGGCCCCTCGTGCCCCAGG	21219
TJU_CMC_MD2.ID01516.3p-miR	19	-	617874	617895	GCCCTGTGAGCTCCCCTCCCTT	21220
TJU_CMC_MD2.ID01517.3p-miR	19	-	620487	620509	CCCCCATCCGCTGTCCCCGCAGG	21221
TJU_CMC_MD2.ID01518.3p-miR	19	-	652296	652318	CTGACCTGCACTCTCTCCCCAGG	21222
TJU_CMC_MD2.ID01519.5p-miR	19	-	663266	663288	CCCGCCGAGTACGCAGCTTTCGC	21223
TJU_CMC_MD2.ID01520.3p-miR	19	+	708783	708803	CGCGCGGGGCGGGGGGCGGCG	21224
TJU_CMC_MD2.ID01521.3p-miR	19	-	757918	757939	CAGCAGCGGCCTGGTGGGGATT	21225
TJU_CMC_MD2.ID01522.3p-miR	19	+	798313	798336	GAGCCCCCTCCAGAAAGGCCGTGT	21226
TJU_CMC_MD2.ID01523.3p-miR	19	+	811096	811116	GGGCCTGTGTCGGGCGTGGGG	21227
TJU_CMC_MD2.ID01524.3p-miR	19	+	855932	855953	CTTCCCCACCTTGTCTGCCTCC	21228
TJU_CMC_MD2.ID01525.3p-miR	19	-	900146	900169	CCCTTGTTCCCCCACTCCTGCAGA	21229

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TJU_CMC_MD2.ID01526.3p-miR	19	-	1011662	1011683	CCCGCCGCCCTGTGCCCGCAGT	21230
TJU_CMC_MD2.ID01527.3p-miR	19	+	1074776	1074798	CTCACGGCCCGTCTCGCCCCAGC	21231
TJU_CMC_MD2.ID01528.3p-miR	19	+	1081800	1081823	TCCCCACCCCCGGGCTCCCGCAGG	21232
TJU_CMC_MD2.ID01529.5p-miR	19	+	1104084	1104104	GCTCTGTGGGGCTCTGGCCGC	21233
TJU_CMC_MD2.ID01530.5p-miR	19	+	1105418	1105438	TAAACTACACTCAGCTCGTCG	21234
TJU_CMC_MD2.ID01531.3p-miR	19	+	1211496	1211518	CCTCCCCCTTTCCACCCCAGTGA	21235
TJU_CMC_MD2.ID01532.3p-miR	19	-	1252647	1252668	ACCCTGGCAGCGGGCGGATTGC	21236
TJU_CMC_MD2.ID01533.3p-miR	19	-	1253226	1253248	CCCAGCCTGCCCGGCCCCCTACC	21237
TJU_CMC_MD2.ID01535.3p-miR	19	+	1269784	1269806	TTGGGGCTGGAGGTATCCACACA	21238
TJU_CMC_MD2.ID01536.3p-miR	19	+	1276021	1276040	CCCGCTCTCCAGCCTGCGCC	21239
TJU_CMC_MD2.ID01537.3p-miR	19	+	1296080	1296100	CTGACCCACCCCGGTCACTGA	21240
TJU_CMC_MD2.ID01538.3p-miR	19	+	1326572	1326591	CCCAGCCTCATCTCAGCACT	21241
TJU_CMC_MD2.ID01539.3p-miR	19	+	1412170	1412191	CCTGTGTTCTGTGGACCCCACA	21242
TJU_CMC_MD2.ID01540.3p-miR	19	-	1466266	1466288	CGACAGCTTGATGGTGCGCACGC	21243
TJU_CMC_MD2.ID01541.3p-miR	19	-	1592278	1592300	CTGCCGGACGGCGACTGCGGCCT	21244
TJU_CMC_MD2.ID01542.3p-miR	19	+	1592500	1592522	GCGGCCGGCGCGCTCATTCACCT	21245
TJU_CMC_MD2.ID01543.3p-miR	19	-	1621973	1621994	ACCCTCCTCCTGCCTGACCCCC	21246
TJU_CMC_MD2.ID01544.3p-miR	19	+	1725442	1725464	CGGGATTGGAATCCCGACTGTGG	21247
TJU_CMC_MD2.ID01545.3p-miR	19	-	1760030	1760050	CTCCCCATCTCCCTCCCCCTC	21248
TJU_CMC_MD2.ID01546.5p-miR	19	+	1912472	1912495	GCCCGTGCCCGCCCGGCCGCCTCT	21249
TJU_CMC_MD2.ID01547.3p-miR	19	+	1978578	1978601	CGTGCGTCTGTCCTCCGCCGCAGA	21250
TJU_CMC_MD2.ID01548.5p-miR	19	-	2051202	2051224	TGGCCCAGGTAGAGGGGTCCGCG	21251
TJU_CMC_MD2.ID01549.5p-miR	19	+	2051472	2051495	AGCGACCCTGCGGCGCGCCCGGAG	21252
TJU_CMC_MD2.ID01550.3p-miR	19	-	2130757	2130779	GACCCTGGGGCAGGAAGGCCACA	21253
TJU_CMC_MD2.ID01551.3p-miR	19	+	2191003	2191023	GTCCGCAGTGGAAGGGCACCA	21254
TJU_CMC_MD2.ID01552.5p-miR	19	+	2237025	2237046	CCCCTCCCTCCTCCCGTGAGCG	21255
TJU_CMC_MD2.ID01553.3p-miR	19	+	2246859	2246881	CCACCCGGCCGTGTCCCTGCAGA	21256
TJU_CMC_MD2.ID01554.3p-miR	19	+	2269835	2269856	CGCGCGAGATCCGCCCCTTTGT	21257
TJU_CMC_MD2.ID01555.5p-miR	19	-	2428575	2428596	GGACCAACGCGGGTTCTGGGGT	21258
TJU_CMC_MD2.ID01557.5p-miR	19	-	2762671	2762692	TCCTGGAGCTGGGCAGATGGGA	21259
TJU_CMC_MD2.ID01558.3p-miR	19	-	2783217	2783239	GCCTGAGAGGTGAGTGAGGGGCA	21260

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TJU_CMC_MD2.ID01559.3p-miR	19	+	2841562	2841584	CCCCGGGACATGGTGAGTGTGGC	21261
TJU_CMC_MD2.ID01560.3p-miR	19	-	2841677	2841699	CTCCCGTCCTGCGCCGCCCTCGC	21262
TJU_CMC_MD2.ID01561.3p-miR	19	+	3097864	3097885	AGTGTCCGAGGCCTCCACCCAC	21263
TJU_CMC_MD2.ID01562.3p-miR	19	+	3101626	3101647	TGAGCTGGGCAGGGGCGGGGGT	21264
TJU_CMC_MD2.ID01563.5p-miR	19	+	3193400	3193420	CCCAGGGCTCCGCCTCTGCTG	21265
TJU_CMC_MD2.ID01564.3p-miR	19	+	3201500	3201521	TTGCCTCTCCCGTCCCTGTAGT	21266
TJU_CMC_MD2.ID01565.5p-miR	19	+	3463987	3464007	CGTGGCCCGAGGGGCAGAGCT	21267
TJU_CMC_MD2.ID01566.3p-miR	19	-	3613584	3613606	TGACCCCGGCTCTGCGTCCCAGG	21268
TJU_CMC_MD2.ID01567.5p-miR	19	+	3758541	3758562	GCCACCATATCCAGCCTAGCAT	21269
TJU_CMC_MD2.ID01568.3p-miR	19	-	3964371	3964392	CTGAGCCTCCTCCCACCCCAGC	21270
TJU_CMC_MD2.ID01569.3p-miR	19	+	4038281	4038300	CGGGCGGCGGGCGGTGGGGC	21271
TJU_CMC_MD2.ID01570.3p-miR	19	-	4048242	4048263	CGCCCCGTGCCCCGTCCACAGG	21272
TJU_CMC_MD2.ID01571.3p-miR	19	-	4065842	4065861	CGGTCCCGGCTTCCGGCTGC	21273
TJU_CMC_MD2.ID01572.5p-miR	19	-	4066080	4066102	TCGTAGTCCCTCCGCCGTTTGCA	21274
TJU_CMC_MD2.ID01573.5p-miR	19	-	4084283	4084302	GAGCTGACCAGGTGTGCAGG	21275
TJU_CMC_MD2.ID01574.5p-miR	19	+	4123884	4123906	GGGCCGGCGGCGGCGGCGCCTCT	21276
TJU_CMC_MD2.ID01575.5p-miR	19	+	4215924	4215945	CACGGGGGCTGAGAGCAGAACC	21277
TJU_CMC_MD2.ID01576.3p-miR	19	+	4352871	4352892	TCCCTGACCCCTAACCCCTGCA	21278
TJU_CMC_MD2.ID01577.3p-miR	19	+	4770750	4770771	CAACAAGTCACAGCCGGCCTCA	21279
TJU_CMC_MD2.ID01578.5p-miR	19	-	5128430	5128449	CCCCCCACTGCTGGGCCGGC	21280
TJU_CMC_MD2.ID01579.5p-miR	19	-	5293234	5293254	TCGCTGCGCGCCGCGCTCCGG	21281
TJU_CMC_MD2.ID01580.3p-miR	19	-	5696770	5696792	TCTGACCCCGCTGTGCACCCACA	21282
TJU_CMC_MD2.ID01582.3p-miR	19	+	6210853	6210874	CCATCAGGTGGTCACGGAGCCA	21283
TJU_CMC_MD2.ID01583.3p-miR	19	+	6372975	6372998	GAGCCGAGAACTGGAGCCCGAGCT	21284
TJU_CMC_MD2.ID01584.3p-miR	19	+	6729212	6729233	TGGGCTTGAGTGATACTCCTGC	21285
TJU_CMC_MD2.ID01585.3p-miR	19	-	6732166	6732187	CCACCCCCGCCGCCTGCGCAGG	21286
TJU_CMC_MD2.ID01586.3p-miR	19	+	7506776	7506798	CCACACCTCGCTCTTCCCTCAGA	21287
TJU_CMC_MD2.ID01587.3p-miR	19	+	7533690	7533711	TATCTGCTGTTGTCCCCTCAGG	21288
TJU_CMC_MD2.ID01587.5p-miR	19	+	7533658	7533677	GAGGCCGCACAGCAGGAACC	21289
TJU_CMC_MD2.ID01588.3p-miR	19	+	7591625	7591647	CCCTCCCCTTCTCTGCCCACAGT	21290

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TJU_CMC_MD2.ID01589.3p-miR	19	+	7605009	7605030	TCTGTCGCCCACCGCCTGTCCA	21291
TJU_CMC_MD2.ID01590.3p-miR	19	+	7705765	7705786	CCCACTCCTGCCTCACCCCAGC	21292
TJU_CMC_MD2.ID01591.3p-miR	19	+	7706569	7706590	CTTCTGTCCCCTCCTCGCCCAG	21293
TJU_CMC_MD2.ID01592.3p-miR	19	+	7975123	7975145	CCAACCCTCCCTCTCCTCCCAGC	21294
TJU_CMC_MD2.ID01593.5p-miR	19	-	8429269	8429291	TGCACGGGTCCGCCCTGAGCGCT	21295
TJU_CMC_MD2.ID01594.3p-miR	19	+	8455278	8455298	ATCCCGCCGGAAGCGCCAGGA	21296
TJU_CMC_MD2.ID01595.3p-miR	19	-	8591449	8591470	GAAGAAGGAGGGCTGGGGCGGT	21297
TJU_CMC_MD2.ID01596.5p-miR	19	+	9435051	9435071	CGCGGCCCCTCCTCTGAGAGC	21298
TJU_CMC_MD2.ID01597.3p-miR	19	+	9946047	9946066	CGGCTGGGAGAAGCGCATGA	21299
TJU_CMC_MD2.ID01598.3p-miR	19	-	10206780	10206801	TCCGCCGAGGCTCAGCGCGCAG	21300
TJU_CMC_MD2.ID01599.3p-miR	19	-	10341994	10342016	CCCCCCTCTGTCCCTCGTCCCAG	21301
TJU_CMC_MD2.ID01600.3p-miR	19	-	10428448	10428470	CCACCTCTCCATTTCTCCCAGGC	21302
TJU_CMC_MD2.ID01601.3p-miR	19	+	10541542	10541563	GGCCGCATCCCGGAGCTGCAAC	21303
TJU_CMC_MD2.ID01602.5p-miR	19	-	10713213	10713234	AGGCTCCGTTTTTCCGCTCGTC	21304
TJU_CMC_MD2.ID01603.3p-miR	19	+	10713563	10713584	GACAGGGCCCTGACCTCCTCAA	21305
TJU_CMC_MD2.ID01604.3p-miR	19	-	10713902	10713924	CCCCGGGGCCAAATGCCTGAGGT	21306
TJU_CMC_MD2.ID01605.3p-miR	19	+	10890978	10890998	AGACCCTACCCAACCCCACGC	21307
TJU_CMC_MD2.ID01606.3p-miR	19	+	10922918	10922940	TAAGCTGCGCGCTTTCCCCCAGG	21308
TJU_CMC_MD2.ID01608.3p-miR	19	-	11039118	11039137	CTGACCGGTCTCTGTCCTCA	21309
TJU_CMC_MD2.ID01609.5p-miR	19	+	11200991	11201013	GCGACCCCAGGGCGCCACTGCCA	21310
TJU_CMC_MD2.ID01610.5p-miR	19	+	11708349	11708369	CCCAAGGTGTCTCCGCCGCAG	21311
TJU_CMC_MD2.ID01611.5p-miR	19	-	12146557	12146577	GCGGGGCCCGGCGCTTCGTCC	21312
TJU_CMC_MD2.ID01612.3p-miR	19	-	12788025	12788045	CTTCGGCGCTCTTCCCCCAGA	21313
TJU_CMC_MD2.ID01613.3p-miR	19	-	12814412	12814431	ATTCGTACTGTCTGATGGGG	21314
TJU_CMC_MD2.ID01613.5p-miR	19	-	12814463	12814482	TCAAGTGATGGAGAGCAATA	21315
TJU_CMC_MD2.ID01614.5p-miR	19	-	12901115	12901137	GCCCCGGGGGAAGGAGCCCGGCC	21316
TJU_CMC_MD2.ID01615.3p-miR	19	-	12904271	12904292	GCGGGAAGGGTGGGACTCCTGG	21317
TJU_CMC_MD2.ID01616.3p-miR	19	+	12904372	12904394	GCCGAGACTTGGAGTGCGCAGGC	21318
TJU_CMC_MD2.ID01617.3p-miR	19	+	12969322	12969343	GTCCTCGCTCTCTCCCCCTGCA	21319

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TJU_CMC_MD2.ID01618.3p-miR	19	-	13039477	13039499	AGGCCCTTGCATCCTCCCCCAGT	21320
TJU_CMC_MD2.ID01619.3p-miR	19	-	13056960	13056981	TCCAGGAAAGTCGGGCAGGTCG	21321
TJU_CMC_MD2.ID01621.3p-miR	19	-	13065349	13065369	TGTCACAGCCCACTCTCCCTC	21322
TJU_CMC_MD2.ID01622.3p-miR	19	+	13106618	13106639	GCCGGCCGCCGCGCTCCCGCCC	21323
TJU_CMC_MD2.ID01623.3p-miR	19	+	13169367	13169388	ACCACAGCTGCATGCTACCACC	21324
TJU_CMC_MD2.ID01624.5p-miR	19	+	13206285	13206308	GGCCCCCTTTCCCCTCTCTCTGCA	21325
TJU_CMC_MD2.ID01625.3p-miR	19	-	13210548	13210571	AACCCGGCCCTCCTTGTCCACAGG	21326
TJU_CMC_MD2.ID01626.3p-miR	19	+	13262602	13262625	CCCGCCCCTCCGCGCCCCCCCCCC	21327
TJU_CMC_MD2.ID01627.5p-miR	19	+	13263874	13263894	GTCCTAGCAGTGTCACTGCGT	21328
TJU_CMC_MD2.ID01628.5p-miR	19	-	13318713	13318732	GCCGGCGGCTCGGGGCCCCC	21329
TJU_CMC_MD2.ID01629.5p-miR	19	+	13943918	13943937	GGGGGGAAGGGCACCTAGCT	21330
TJU_CMC_MD2.ID01630.5p-miR	19	-	13953711	13953733	CGGCCAGTGAGTGGGGTGGAGCG	21331
TJU_CMC_MD2.ID01631.3p-miR	19	-	14070312	14070334	CCTCTCCATCCCAGGCCCTGTCA	21332
TJU_CMC_MD2.ID01632.5p-miR	19	+	14070488	14070510	GGGTGTGGGCAGTGGGCGGGGCCA	21333
TJU_CMC_MD2.ID01633.3p-miR	19	-	14074086	14074106	TCTCCGTCTCCATCCCCAGCT	21334
TJU_CMC_MD2.ID01634.3p-miR	19	+	14116768	14116790	GGCCCCCTCCCCCACGGTCCAGA	21335
TJU_CMC_MD2.ID01635.3p-miR	19	+	14192546	14192568	CGAGGCCGGGCTGCACTGCGAGA	21336
TJU_CMC_MD2.ID01636.5p-miR	19	-	14229296	14229316	TAGGGCCCAGCAAAGGGGTGG	21337
TJU_CMC_MD2.ID01637.3p-miR	19	+	14544198	14544219	GAGCAGGCCGGAGCGGGCCGCG	21338
TJU_CMC_MD2.ID01638.3p-miR	19	-	14629105	14629124	GCGGCGCGTCGGACGAGGAG	21339
TJU_CMC_MD2.ID01639.5p-miR	19	+	14676888	14676909	GGTTGAGGGGGCCTGAAGGCTTT	21340
TJU_CMC_MD2.ID01640.5p-miR	19	+	15059436	15059459	TGACCTCAGGTGATCCGCCCGTAA	21341
TJU_CMC_MD2.ID01641.3p-miR	19	+	15543332	15543355	GTGGCGGCGGCGCGGGGGGGTGGGG	21342
TJU_CMC_MD2.ID01642.3p-miR	19	-	15575190	15575213	CTACTGTCACTCTCTCGTCCCCCA	21343
TJU_CMC_MD2.ID01642.5p-miR	19	-	15575228	15575249	CCGAGATGAGGGCAGTATGTGG	21344
TJU_CMC_MD2.ID01643.3p-miR	19	+	16187350	16187371	CCCGTGCGCCTCTGCGCCTCCG	21345
TJU_CMC_MD2.ID01644.3p-miR	19	+	16198816	16198837	TGGGCCTTTCTGTCTCTGCAGG	21346
TJU_CMC_MD2.ID01645.5p-miR	19	-	16229408	16229430	CCTGGCACTGAGAGGGCTCTCTT	21347
TJU_CMC_MD2.ID01646.3p-miR	19	-	16477970	16477991	CACCTGGTTTGATGCCATCATT	21348
TJU_CMC_MD2.ID01646.5p-miR	19	-	16478009	16478029	ATTGATGGCATCGAACCAGGT	21349

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TJU_CMC_MD2.ID01647.5p-miR	19	+	16477970	16477992	AATGATGGCATCAAACCAGGTGC	21350
TJU_CMC_MD2.ID01648.3p-miR	19	-	16482088	16482110	TCCCTGCCGGGGGTGCCACACAG	21351
TJU_CMC_MD2.ID01648.5p-miR	19	-	16482127	16482147	TGTGGCATCCACCCAGGGTGG	21352
TJU_CMC_MD2.ID01649.5p-miR	19	+	17337631	17337651	GGCTCCCGGGGGGCACCTGCAT	21353
TJU_CMC_MD2.ID01650.3p-miR	19	+	17356330	17356350	CCCCGGCGGGGGCGCGCGGGC	21354
TJU_CMC_MD2.ID01651.5p-miR	19	-	17356410	17356431	GCCCGCTGAGTTGGCCGCAGCC	21355
TJU_CMC_MD2.ID01652.3p-miR	19	-	17356681	17356703	GCGCGGGGTCGGTGGCGGTGGCG	21356
TJU_CMC_MD2.ID01653.5p-miR	19	+	17356873	17356896	CGGGCCGGCGGGAGGGACGGGGGC	21357
TJU_CMC_MD2.ID01654.3p-miR	19	-	17438159	17438180	CAGCCTCCTCTCTGCCACCCCT	21358
TJU_CMC_MD2.ID01655.3p-miR	19	+	17791402	17791423	CAGCCTGGCTTCGCGCCTCCGT	21359
TJU_CMC_MD2.ID01656.3p-miR	19	-	17846789	17846811	CGGAGCCTGAGGTTGCTGTGAGC	21360
TJU_CMC_MD2.ID01657.5p-miR	19	+	17859111	17859133	TGGCTGGAGGAGCTGGGGTGTCA	21361
TJU_CMC_MD2.ID01658.3p-miR	19	+	17888925	17888946	TCTTGGCCTCACCCTCTCTAGC	21362
TJU_CMC_MD2.ID01659.3p-miR	19	+	18120982	18121005	TCCCTTATGGTTCCTTCCTCCAGG	21363
TJU_CMC_MD2.ID01660.3p-miR	19	+	18134970	18134991	TGTACACACACAACCGTTACCT	21364
TJU_CMC_MD2.ID01661.3p-miR	19	+	18239190	18239210	CCTCCTCCCTCATCTTGCAGA	21365
TJU_CMC_MD2.ID01662.3p-miR	19	-	18272251	18272273	CGGCGGCGGCGGCGCGCGCAGCA	21366
TJU_CMC_MD2.ID01663.3p-miR	19	+	18392114	18392135	CTGCCGCCACCTGCTCACTCAG	21367
TJU_CMC_MD2.ID01665.3p-miR	19	+	18543488	18543511	TCACAGCTGCCCTTGTCCCCAGAT	21368
TJU_CMC_MD2.ID01666.3p-miR	19	-	18547059	18547082	TGCTGACTGCCCGCCTTGCCCACA	21369
TJU_CMC_MD2.ID01666.5p-miR	19	-	18547097	18547119	AGCGGGTCAGGCAGGGCCAGTCA	21370
TJU_CMC_MD2.ID01667.3p-miR	19	-	18548920	18548941	GCGCTGTCCGCCGCCGCTGCCT	21371
TJU_CMC_MD2.ID01668.5p-miR	19	+	18699628	18699650	CGGCGGAGCCTACGGTCCCTGCA	21372
TJU_CMC_MD2.ID01669.3p-miR	19	+	18699781	18699801	CCAGCCGTGCCCCCTGTCCCG	21373
TJU_CMC_MD2.ID01670.5p-miR	19	-	18717674	18717696	CCCGCCGCCCCCCGGGGCCGGG	21374
TJU_CMC_MD2.ID01671.3p-miR	19	-	19011264	19011287	TGCCTCCCCGTGTCTGCCTGTGTC	21375
TJU_CMC_MD2.ID01672.5p-miR	19	-	19023653	19023675	CTGCAGTGTTCAGTGACTGTGAA	21376
TJU_CMC_MD2.ID01673.3p-miR	19	+	19345766	19345789	ACTCAGTCTCTTCCCCTCTCTGCC	21377
TJU_CMC_MD2.ID01674.3p-miR	19	-	19415708	19415728	GTCAGGATTGTTGCTGGGCCC	21378
TJU_CMC_MD2.ID01674.5p-miR	19	-	19415742	19415765	CCTCAGAAACGCACCTGTTCCTGT	21379
TJU_CMC_MD2.ID01675.5p-miR	19	-	19496750	19496770	CGGGGCGCGCTCGGGCGGCGG	21380

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TJU_CMC_MD2.ID01676.3p-miR	19	+	19603092	19603113	TCACTACTGTCTCCACCCCACA	21381
TJU_CMC_MD2.ID01677.3p-miR	19	+	19779902	19779924	ACCCTTGGTCCCCTCGGTCGCCG	21382
TJU_CMC_MD2.ID01678.5p-miR	19	+	21623443	21623464	TCTGCTCCTGGCTGGCTCGCCA	21383
TJU_CMC_MD2.ID01679.5p-miR	19	-	22700506	22700525	CGCACGGGGTCGGCAGCAGG	21384
TJU_CMC_MD2.ID01680.3p-miR	19	-	23439775	23439795	CATGTTGACTCTCCTACCTGG	21385
TJU_CMC_MD2.ID01680.5p-miR	19	-	23439815	23439834	TAGGTAGGATAGTCAACATG	21386
TJU_CMC_MD2.ID01681.3p-miR	19	+	28058419	28058440	CAGAGGGCTGAGGACTAGACTG	21387
TJU_CMC_MD2.ID01682.3p-miR	19	+	28271808	28271830	ACAGCCTGGGTGTGACAGTGTGA	21388
TJU_CMC_MD2.ID01683.5p-miR	19	-	32896879	32896898	GGGCTGTAGCCGAGGGTTCC	21389
TJU_CMC_MD2.ID01684.3p-miR	19	+	33167594	33167615	TCGACGTCGCGGACCTGCGGGA	21390
TJU_CMC_MD2.ID01685.5p-miR	19	+	33698214	33698233	ACCCTTGCCCTCGGGCCTGC	21391
TJU_CMC_MD2.ID01686.5p-miR	19	-	33792886	33792908	ACCTGGACGGCAGGCTGGAGCCC	21392
TJU_CMC_MD2.ID01687.3p-miR	19	+	33864227	33864249	TGAGGGACGCCGCGGGGGCTTCC	21393
TJU_CMC_MD2.ID01688.3p-miR	19	-	33892775	33892797	CCCTGCCTTCCTCTCTCCGCAGC	21394
TJU_CMC_MD2.ID01689.3p-miR	19	+	34112984	34113003	CGCCCCGCGCCCTCTCGCTC	21395
TJU_CMC_MD2.ID01690.3p-miR	19	-	34396926	34396945	GCCAGGCAGACCGTGGAGTA	21396
TJU_CMC_MD2.ID01691.5p-miR	19	+	34663427	34663446	GCCATGTTGGGTCTGAAGCG	21397
TJU_CMC_MD2.ID01693.5p-miR	19	+	35739920	35739942	GCCGCGATGGCGCTGTTGGCCGG	21398
TJU_CMC_MD2.ID01694.5p-miR	19	+	35760328	35760349	TCCCTCCTGTGCCCCTGGCAGC	21399
TJU_CMC_MD2.ID01695.3p-miR	19	+	35760459	35760481	GTGCCCCGACCCTCCTCGGCCCC	21400
TJU_CMC_MD2.ID01696.3p-miR	19	+	35761330	35761350	TCTGCCCTCCTACTCCCCAGG	21401
TJU_CMC_MD2.ID01697.5p-miR	19	+	35790429	35790448	CAGCCCTCCCTTTCCCCGCC	21402
TJU_CMC_MD2.ID01698.3p-miR	19	+	36227792	36227813	CTGGCTCTGCTGTCTCCCCAGG	21403
TJU_CMC_MD2.ID01699.5p-miR	19	-	36229590	36229610	CAGGGCCCTTGTCACCTGCAT	21404
TJU_CMC_MD2.ID01700.3p-miR	19	-	36484965	36484987	AGGGAGGCCCGCAAGGACACAGC	21405
TJU_CMC_MD2.ID01701.3p-miR	19	-	36517957	36517977	TGACCCTCCCTGCTCCCCTGG	21406
TJU_CMC_MD2.ID01702.3p-miR	19	+	36631939	36631962	AGGGCGGCGGCGGCGGCGGCGGGG	21407
TJU_CMC_MD2.ID01703.3p-miR	19	+	38534305	38534328	TTTACTGTTGCTACTATTACTAGT	21408
TJU_CMC_MD2.ID01704.5p-miR	19	+	38719147	38719169	CGGGCGCTCGCCCTCCGCCTCCT	21409
TJU_CMC_MD2.ID01705.3p-miR	19	-	38720297	38720317	GCGGCAGAGCGGGCGGCGCAG	21410

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TJU_CMC_MD2.ID01706.3p-miR	19	+	38755128	38755151	TGCGCCCAGCTCGCCCTGCCTAGC	21411
TJU_CMC_MD2.ID01707.5p-miR	19	+	39220132	39220153	ACAGTCCCATTCCTCCACTCTG	21412
TJU_CMC_MD2.ID01708.5p-miR	19	-	39340402	39340424	CAAGACTGACAACGCCGGCGACC	21413
TJU_CMC_MD2.ID01709.3p-miR	19	-	39340539	39340560	TGGAGCAGAGGCAGCAGCCGGA	21414
TJU_CMC_MD2.ID01710.3p-miR	19	-	39371537	39371560	CAAGCTCACGCCCCTCCCCGCAGG	21415
TJU_CMC_MD2.ID01711.3p-miR	19	-	39440979	39441000	CTACCGACCCCCTCTCGACCTGC	21416
TJU_CMC_MD2.ID01712.5p-miR	19	+	39869083	39869104	CTGGAACATGGCAGAGAGGCATA	21417
TJU_CMC_MD2.ID01713.5p-miR	19	+	40719516	40719535	CCCTCCCCGGGGGCGCGGGC	21418
TJU_CMC_MD2.ID01714.3p-miR	19	-	40743998	40744019	CCCCACCCCTTCCTCCTGCAGC	21419
TJU_CMC_MD2.ID01715.3p-miR	19	-	40788462	40788483	TGACTGTCCTATGTCTTTCCTT	21420
TJU_CMC_MD2.ID01716.3p-miR	19	+	40854601	40854620	GGGGCCGTCAGGCGGGGATA	21421
TJU_CMC_MD2.ID01717.3p-miR	19	-	41175925	41175947	TCTGTCCTGCCCTGCTTCCCAGT	21422
TJU_CMC_MD2.ID01718.3p-miR	19	+	41744353	41744375	TCCCCTCTTCCCTGTCCTCCAGT	21423
TJU_CMC_MD2.ID01719.3p-miR	19	-	41769347	41769368	TGCACGCGACCATAGAGCCTTC	21424
TJU_CMC_MD2.ID01720.5p-miR	19	+	41857676	41857696	CGCTCAGCCCATTCCCCTGCA	21425
TJU_CMC_MD2.ID01721.3p-miR	19	-	42485985	42486008	TGGCCCTCACACATGCCTCCCCCA	21426
TJU_CMC_MD2.ID01722.3p-miR	19	-	42510964	42510983	CTCACCCCTCCCACCCTTCA	21427
TJU_CMC_MD2.ID01723.5p-miR	19	-	42592138	42592160	GGGTTGGGAAGGTGATGGGGGAA	21428
TJU_CMC_MD2.ID01724.3p-miR	19	-	42787810	42787833	ACGCGCGGCTCGGCCCGCCTCCCG	21429
TJU_CMC_MD2.ID01725.3p-miR	19	+	42788747	42788766	CCCGCTCCCCCCGGGCCCAA	21430
TJU_CMC_MD2.ID01726.3p-miR	19	+	42837735	42837758	TCCCTCTGTGCTCACCTCCCAGCC	21431
TJU_CMC_MD2.ID01728.3p-miR	19	-	44029835	44029855	GCACCTGTGAGTGAGCGCCTC	21432
TJU_CMC_MD2.ID01729.3p-miR	19	-	44057060	44057081	AATCCATCCCCATCCCCTCAGC	21433
TJU_CMC_MD2.ID01730.3p-miR	19	-	44488112	44488133	ACTCCCGCAGGCGTTTCGCTGG	21434
TJU_CMC_MD2.ID01732.3p-miR	19	+	45648258	45648280	GGTACGGGGCCGGGCCAGGGTGC	21435
TJU_CMC_MD2.ID01733.3p-miR	19	-	45889284	45889306	GTGAGCGCTGCTGAGCGGGAGGT	21436
TJU_CMC_MD2.ID01734.5p-miR	19	-	46119856	46119877	TCTGGGCGAGGAGGGGATGGAG	21437
TJU_CMC_MD2.ID01735.3p-miR	19	-	46389116	46389138	ACCGTGGCTCGCGCTGTCCCCGG	21438
TJU_CMC_MD2.ID01736.3p-miR	19	-	47124929	47124951	GACGCCCTCACCCTGCCCTCAGA	21439
TJU_CMC_MD2.ID01737.3p-miR	19	+	47249337	47249357	GGCGGCAGCGGGTGAGGCCGG	21440

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TJU_CMC_MD2.ID01738.5p-miR	19	-	47341607	47341630	CCAACCCAGCAGTCCTTCCCTCAG	21441
TJU_CMC_MD2.ID01739.3p-miR	19	+	47364279	47364299	CGGCAGGAGGAGGTGGAGGAG	21442
TJU_CMC_MD2.ID01740.5p-miR	19	+	47729569	47729588	TCCTCGGCGGCCTAGTCCCT	21443
TJU_CMC_MD2.ID01741.5p-miR	19	-	48111845	48111867	GAGCCCTGATCCGGATGCTGGGG	21444
TJU_CMC_MD2.ID01742.3p-miR	19	+	48258001	48258024	GGAGGAGTCGGATGGTGAGGGGGA	21445
TJU_CMC_MD2.ID01743.5p-miR	19	+	48259798	48259821	TCCTTCGAGACCGGTTCAAGAGCT	21446
TJU_CMC_MD2.ID01744.3p-miR	19	+	48281976	48281999	CGCGTCCAGGTGGGAGGTTAGTGT	21447
TJU_CMC_MD2.ID01745.3p-miR	19	+	48981510	48981532	TCTGTCCACCTTGCTTCTTCAGG	21448
TJU_CMC_MD2.ID01746.3p-miR	19	+	49122789	49122809	CCAGTGTTGGAGGTGAGGAGG	21449
TJU_CMC_MD2.ID01747.5p-miR	19	+	49472627	49472646	ACAGAGTTGCGCTTGCTGCC	21450
TJU_CMC_MD2.ID01748.3p-miR	19	+	49982146	49982166	TCTCCCTCCCCTGCTCCCAGC	21451
TJU_CMC_MD2.ID01749.3p-miR	19	+	50094476	50094498	CCGTGAGCGCAGAGGAGGAGGAG	21452
TJU_CMC_MD2.ID01750.5p-miR	19	+	50180938	50180958	GGCGCCCAGGGGGGCGGGGAG	21453
TJU_CMC_MD2.ID01751.5p-miR	19	+	50185400	50185419	AGGTGATGGGGGCAGGGGAT	21454
TJU_CMC_MD2.ID01752.5p-miR	19	+	50188117	50188139	CTGGCGGGCGGGGCCTCGGGTGG	21455
TJU_CMC_MD2.ID01753.3p-miR	19	-	50363423	50363444	TCACCCCTCGTTGCTGTTGCTC	21456
TJU_CMC_MD2.ID01754.3p-miR	19	+	50387693	50387716	AGCCTGACCCCATGTCCCCCCAGG	21457
TJU_CMC_MD2.ID01755.3p-miR	19	+	50832238	50832258	TGGCGGCGGCGGGGACTCGGG	21458
TJU_CMC_MD2.ID01756.5p-miR	19	+	51071344	51071363	CGCGCTCTCCCCCCTCCCCG	21459
TJU_CMC_MD2.ID01757.3p-miR	19	+	51228433	51228453	GCGCGCGGCGCTCGCTCCCTA	21460
TJU_CMC_MD2.ID01758.3p-miR	19	+	51871882	51871905	TTCCTACCCCGAGGCCCCCAGCTG	21461
TJU_CMC_MD2.ID01759.3p-miR	19	+	52194190	52194211	CTTCCCCTTCCTCCCCACCTTG	21462
TJU_CMC_MD2.ID01760.3p-miR	19	-	52303193	52303215	AGGATCGAGCCATGGGCTACCGG	21463
TJU_CMC_MD2.ID01761.3p-miR	19	+	52407719	52407739	TTTACAAGCCTCTGAGCCCCA	21464
TJU_CMC_MD2.ID01762.5p-miR	19	+	52785073	52785093	CTGAGCTAGAATACAAGTAGT	21465
TJU_CMC_MD2.ID01763.5p-miR	19	-	53839170	53839190	CCACTACGCCCTGATGTCCCT	21466
TJU_CMC_MD2.ID01764.5p-miR	19	+	54206004	54206026	CTCCAGAGGGAAGCGCTTTCTGT	21467
TJU_CMC_MD2.ID01765.3p-miR	19	+	54485311	54485334	CCCGTCTGACCGTCCCCGCCCAGG	21468

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TJU_CMC_MD2.ID01766.5p-miR	19	+	54485579	54485600	AGTGGCGGGAGCGGCCCCTCGG	21469
TJU_CMC_MD2.ID01767.5p-miR	19	-	54712756	54712777	CCGGGGCAACACATTGAGACTC	21470
TJU_CMC_MD2.ID01768.3p-miR	19	+	54932430	54932451	TCTCCCTCCTCCTCCGCTCAGC	21471
TJU_CMC_MD2.ID01769.5p-miR	19	+	54967162	54967185	GTGGCTGAGAGCCCTAAGAAGAAG	21472
TJU_CMC_MD2.ID01770.3p-miR	19	-	55603912	55603933	CGCGCTCCTCCCCTGCCCCAGC	21473
TJU_CMC_MD2.ID01771.5p-miR	19	-	55628770	55628790	AGCGCCGCGCCCGCACCGTCC	21474
TJU_CMC_MD2.ID01773.3p-miR	19	-	55750870	55750892	CCTAACCTCCGCACCCCCACAGG	21475
TJU_CMC_MD2.ID01774.5p-miR	19	+	55881864	55881886	GGGGCTGGGGCGGGCGGGCGGGG	21476
TJU_CMC_MD2.ID01775.3p-miR	19	-	55995593	55995612	CCCCGGGGAGCCCCGCGGGG	21477
TJU_CMC_MD2.ID01776.3p-miR	19	+	56112235	56112257	TGCACCTGTGCCTCCCCTTCCCC	21478
TJU_CMC_MD2.ID01777.3p-miR	19	+	56185484	56185506	CTCCCGCCCCCCCCTTATCCCCC	21479
TJU_CMC_MD2.ID01778.3p-miR	19	+	56186655	56186678	CGGCGGGGCGGCGGAGCCGTCGGC	21480
TJU_CMC_MD2.ID01779.3p-miR	19	-	57182596	57182617	ACAGCGTCTGCACCTGCTCACT	21481
TJU_CMC_MD2.ID01781.5p-miR	19	-	58204920	58204940	CCTGCCTCATCACAATTGCCC	21482
TJU_CMC_MD2.ID01782.3p-miR	19	+	58898194	58898215	ACTCCGCTAACCCAGGTCCGCA	21483
TJU_CMC_MD2.ID01783.3p-miR	19	+	59060894	59060913	CCCTGGATGACAGTGCCACC	21484
TJU_CMC_MD2.ID01784.5p-miR	2	-	1652767	1652790	ATGAGGCCCGCAGCATCCGCGACC	21485
TJU_CMC_MD2.ID01785.3p-miR	2	+	2708775	2708798	CTGTCCCCTGGTCTCCTCCGCAGC	21486
TJU_CMC_MD2.ID01786.5p-miR	2	+	3606135	3606158	GGGAGCGGGGCTGAAGCCCTGGGC	21487
TJU_CMC_MD2.ID01787.3p-miR	2	-	5836024	5836046	GCAGGGAGTGGAGGAGGAGGTGA	21488
TJU_CMC_MD2.ID01788.3p-miR	2	+	7057687	7057706	CCCGGCACCCCGCAGCCAGT	21489
TJU_CMC_MD2.ID01790.5p-miR	2	-	9461053	9461074	AACTGCCTGAAGTCAACCAACA	21490
TJU_CMC_MD2.ID01791.3p-miR	2	+	10263086	10263108	TCACTCACACGCGTCTCCCCGCA	21491
TJU_CMC_MD2.ID01792.5p-miR	2	-	11241341	11241362	CCCCATGGGAATCAGGTCGAGG	21492
TJU_CMC_MD2.ID01793.3p-miR	2	-	16612741	16612762	ACATGGAGTTCAGGTGAGGATT	21493
TJU_CMC_MD2.ID01793.5p-miR	2	-	16612779	16612800	AATCCTCACTTTGAATCCATGT	21494
TJU_CMC_MD2.ID01795.5p-miR	2	-	17934744	17934766	TGGTCGTCCTTGCGGGCCCGGGC	21495
TJU_CMC_MD2.ID01796.3p-miR	2	-	19558251	19558274	GCTGCTGAGCGCTCGCTCCCGCGT	21496
TJU_CMC_MD2.ID01797.3p-miR	2	+	20387259	20387278	TCCTGGGGCTGCAGCCGGTC	21497
TJU_CMC_MD2.ID01798.3p-miR	2	-	20850839	20850861	CGTGACTGCGCGCCCCGCCCGGA	21498

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TJU_CMC_MD2.ID01799.5p-miR	2	-	23608697	23608719	CGGCGGCCAGGACCTGGGTCTCC	21499
TJU_CMC_MD2.ID01800.5p-miR	2	-	24713970	24713989	GCCCGCGAGCTCCGACAGTG	21500
TJU_CMC_MD2.ID01801.3p-miR	2	-	25109087	25109108	ATCCTGTGTCCTCCATGTATTC	21501
TJU_CMC_MD2.ID01801.5p-miR	2	-	25109132	25109153	CGCATGTGAAGCCACAGGATGA	21502
TJU_CMC_MD2.ID01802.5p-miR	2	-	25551580	25551600	CCTAGAATGGGGATTGTGGGG	21503
TJU_CMC_MD2.ID01803.5p-miR	2	-	25960764	25960786	TTTTGTGTCTTTTGCCTTTTTAA	21504
TJU_CMC_MD2.ID01804.3p-miR	2	+	26915583	26915605	CGGCGGCGGCGGCGGCGGCCCCG	21505
TJU_CMC_MD2.ID01805.3p-miR	2	-	27294393	27294414	TGGCTGGCCCGTGGGGCGAGGA	21506
TJU_CMC_MD2.ID01805.5p-miR	2	-	27294429	27294451	GCCGTCCCACGGGCCAGCCCCGC	21507
TJU_CMC_MD2.ID01806.3p-miR	2	+	27308973	27308995	CCCTGGGCGAGCGCCGCACCCGG	21508
TJU_CMC_MD2.ID01808.5p-miR	2	-	29352334	29352355	AAAGCTATAAGATCTCTGTGTC	21509
TJU_CMC_MD2.ID01810.3p-miR	2	+	30144404	30144426	TACCAGCTGCTACCACCGCTGCC	21510
TJU_CMC_MD2.ID01811.5p-miR	2	+	32533459	32533480	TCAGCCACCGCACCAGGCCAGT	21511
TJU_CMC_MD2.ID01812.5p-miR	2	+	32860334	32860355	ACGTAGCTATCCACCACTCAGC	21512
TJU_CMC_MD2.ID01814.3p-miR	2	-	37074227	37074249	TCTTCTCTACCAGCACTGCATGA	21513
TJU_CMC_MD2.ID01815.5p-miR	2	+	37202528	37202550	CACGTGAAACCCTGTCTCTTAAA	21514
TJU_CMC_MD2.ID01816.3p-miR	2	+	37551968	37551991	CCGGAGGGCGGGGGGCCGGGGCGC	21515
TJU_CMC_MD2.ID01817.3p-miR	2	-	38301921	38301943	ACCGTCGTGGCCGTGGCCAACGT	21516
TJU_CMC_MD2.ID01819.5p-miR	2	-	38604359	38604381	GCGCGAGGGCAGCAACCGCACCA	21517
TJU_CMC_MD2.ID01820.3p-miR	2	-	40643950	40643969	AAACCAGCAGTTACTTTTGC	21518
TJU_CMC_MD2.ID01821.3p-miR	2	-	40645916	40645938	CTGCCCTCTCTGATGGAGACCAG	21519
TJU_CMC_MD2.ID01822.3p-miR	2	+	42319746	42319767	ATGTTTGTACTCCGGCCGCTGC	21520
TJU_CMC_MD2.ID01822.5p-miR	2	+	42319680	42319700	TGGCCAAAGTACAAACATTTG	21521
TJU_CMC_MD2.ID01823.5p-miR	2	+	43414612	43414633	ACCCCATCTCCCACCACACATG	21522
TJU_CMC_MD2.ID01824.3p-miR	2	+	43451928	43451947	CCCCGGTGCCGTACAGCAGA	21523
TJU_CMC_MD2.ID01825.3p-miR	2	-	43451862	43451883	TCGTCGGCCTCGTGCGCCAACA	21524

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TJU_CMC_MD2.ID01827.3p-miR	2	+	46496735	46496756	CAACAGAAACCTCTAAACCCGA	21525
TJU_CMC_MD2.ID01828.3p-miR	2	+	47604870	47604891	TTTGGTGCATATTTACTTTAGG	21526
TJU_CMC_MD2.ID01829.5p-miR	2	-	54806222	54806244	TTGGTGCAGAAGTAATTGTAGTT	21527
TJU_CMC_MD2.ID01830.5p-miR	2	-	55235362	55235381	CCCTGACCACCAGTATAGCA	21528
TJU_CMC_MD2.ID01831.3p-miR	2	-	55276921	55276941	CCCGCCGCGCCCCCCTCCACC	21529
TJU_CMC_MD2.ID01832.5p-miR	2	+	55450676	55450697	CGGCGCGACCGCTCTCGGCTTT	21530
TJU_CMC_MD2.ID01833.3p-miR	2	-	56210120	56210140	CATCAGTTCCTAATGCATTGC	21531
TJU_CMC_MD2.ID01834.5p-miR	2	+	61765949	61765968	GCGCGAGTTTGATCGGGGCG	21532
TJU_CMC_MD2.ID01835.3p-miR	2	-	62081231	62081251	CCCCGGGTTGCCAGGGGCCGC	21533
TJU_CMC_MD2.ID01836.5p-miR	2	+	62566888	62566910	TGCCCAGGATGGAGTGCAGTGAA	21534
TJU_CMC_MD2.ID01837.3p-miR	2	-	62798258	62798279	GAGGAGAGAGGGAGCAGGCTGA	21535
TJU_CMC_MD2.ID01838.5p-miR	2	+	64824460	64824483	TGAGCAACACAGTGAGACTCCTTT	21536
TJU_CMC_MD2.ID01839.3p-miR	2	-	64977962	64977984	CCGCGGCCGCCCCTGCTCCTGCT	21537
TJU_CMC_MD2.ID01840.5p-miR	2	+	64990854	64990875	CCAGCCTCAGTCTCTGTATCCT	21538
TJU_CMC_MD2.ID01841.3p-miR	2	+	65658483	65658504	GCCGCGGGGCCCCTCGGGCGGC	21539
TJU_CMC_MD2.ID01842.3p-miR	2	+	68622790	68622812	CATTTGCCTTCTCTTTCCCCAGG	21540
TJU_CMC_MD2.ID01842.5p-miR	2	+	68622744	68622765	AGAGGAGGGTGGAGCAAGTGGT	21541
TJU_CMC_MD2.ID01843.3p-miR	2	+	70336252	70336274	TGACATTCACACTCTGCCCCTGC	21542
TJU_CMC_MD2.ID01845.5p-miR	2	-	71127234	71127255	GGGGTGGGGTCGGTGGGGGTGC	21543
TJU_CMC_MD2.ID01846.5p-miR	2	-	71221992	71222014	GCACCGTCGTCCTGTCGTCCGCG	21544
TJU_CMC_MD2.ID01847.5p-miR	2	-	72371728	72371747	CCCCGCGGGGTCTCGCCAGC	21545
TJU_CMC_MD2.ID01848.5p-miR	2	-	74689066	74689088	GTGCTGACGCGGCTGGCAGAGCA	21546
TJU_CMC_MD2.ID01849.5p-miR	2	-	74692394	74692416	GCCGCCTCTCCGAGCTCTTGTGA	21547
TJU_CMC_MD2.ID01850.5p-miR	2	-	77714617	77714638	TCCCTCTCAGCTTCTCTCCTGC	21548
TJU_CMC_MD2.ID01851.5p-miR	2	-	78286260	78286281	TGGCTATTCTAGCAGTGAAGTT	21549
TJU_CMC_MD2.ID01853.3p-miR	2	+	83562604	83562625	CCAGAACTGCAGTTACTTTTGC	21550
TJU_CMC_MD2.ID01854.5p-miR	2	-	85545489	85545511	AAGGGTTTGGGTCTGAGCTGTAT	21551
TJU_CMC_MD2.ID01855.3p-miR	2	+	85788780	85788799	GCCGTTGATCTCCAGGGGCA	21552

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TJU_CMC_MD2.ID01856.3p-miR	2	+	86850737	86850758	CGGCCCAGGATGGGGCGTCGCG	21553
TJU_CMC_MD2.ID01857.3p-miR	2	-	87303424	87303444	GCCTGGGGACGCGGGGCCGAG	21554
TJU_CMC_MD2.ID01858.3p-miR	2	-	88329719	88329741	ATGTTCAGTTCTACATGGGATAT	21555
TJU_CMC_MD2.ID01859.5p-miR	2	-	88355219	88355240	CCTCTCCGCCACCTCCACCGCG	21556
TJU_CMC_MD2.ID01860.3p-miR	2	-	89111895	89111917	AGGGGCAGGGCAGGCATAAGTGG	21557
TJU_CMC_MD2.ID01860.5p-miR	2	-	89111934	89111955	ACTTCTGCCTGTCCTGCCCAAA	21558
TJU_CMC_MD2.ID01861.3p-miR	2	+	95967877	95967897	GCCAGTGACAGCAAGCAGTGC	21559
TJU_CMC_MD2.ID01863.5p-miR	2	-	97149325	97149346	TTGCAGATGAAAATATCTAGGT	21560
TJU_CMC_MD2.ID01864.5p-miR	2	+	97534375	97534397	GTTCCTCGCACTGCCTCCTCCGA	21561
TJU_CMC_MD2.ID01865.3p-miR	2	+	97535255	97535278	GCCTCCCTCCAAGCCCGCCCCAAA	21562
TJU_CMC_MD2.ID01866.5p-miR	2	+	97536000	97536019	CCCTCCGGGTGTCCAGCAGC	21563
TJU_CMC_MD2.ID01867.3p-miR	2	-	98204785	98204806	CGAAAACCGCAATTGCCTTTGC	21564
TJU_CMC_MD2.ID01868.3p-miR	2	-	98280415	98280438	CGCCGCCGTCCCGGTCCTCCCGCC	21565
TJU_CMC_MD2.ID01869.3p-miR	2	+	99182083	99182103	TGCCCCTCTCTCATGTCCAGG	21566
TJU_CMC_MD2.ID01870.5p-miR	2	-	99347530	99347551	CTCCGCCGGCAGCCGCGGGAGC	21567
TJU_CMC_MD2.ID01871.3p-miR	2	+	99729341	99729361	GGGACAAACAAAGACTTTACA	21568
TJU_CMC_MD2.ID01872.3p-miR	2	-	100083624	100083644	TGTGCAGTAGGTATACAACAG	21569
TJU_CMC_MD2.ID01873.3p-miR	2	+	100938522	100938542	GCGGCGGCGGCGGCGGGACCG	21570
TJU_CMC_MD2.ID01874.3p-miR	2	+	101619136	101619156	TCTGAGCCTCCTTGTCGCCTG	21571
TJU_CMC_MD2.ID01875.3p-miR	2	-	101767811	101767830	CGGCCGGGCTGTGGTCCCCG	21572
TJU_CMC_MD2.ID01876.3p-miR	2	+	101925976	101925997	TCAGACTACCTAAATGAGCACT	21573
TJU_CMC_MD2.ID01877.3p-miR	2	+	103236083	103236106	AGCGGCCTCTCGTCGCCCTGCACG	21574
TJU_CMC_MD2.ID01878.5p-miR	2	-	103914972	103914991	CTTGTAAGGTAGAAAGCACT	21575
TJU_CMC_MD2.ID01879.5p-miR	2	-	105473573	105473594	GGGTCGGCGCGGCGGCGGCAGC	21576
TJU_CMC_MD2.ID01880.5p-miR	2	-	106438367	106438387	GCCCGGGAAGCAGAAGGAACG	21577
TJU_CMC_MD2.ID01881.5p-miR	2	+	106509618	106509638	AGGGCCCTGCAGTGACGGCGC	21578
TJU_CMC_MD2.ID01882.5p-miR	2	-	106712124	106712147	TTCGGGCTCCCCTCGGGCAGAGGC	21579
TJU_CMC_MD2.ID01883.5p-miR	2	+	107503227	107503250	CCTCCCCGCGCCCCCGGCCCGGCA	21580
TJU_CMC_MD2.ID01884.5p-miR	2	+	107503873	107503895	ACTGCCGGTCCCCAACCCCAAGA	21581

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Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01885.5p-miR	2	-	109151209	109151228	GGGCCCGGACGCAGCCACGC	21582
TJU_CMC_MD2.ID01888.3p-miR	2	-	113012628	113012651	CTCTGGGTCCGTCTCGTCGCGTCC	21583
TJU_CMC_MD2.ID01889.3p-miR	2	-	113033757	113033778	CCGACCTCCCCCGCGGCCGCGA	21584
TJU_CMC_MD2.ID01890.5p-miR	2	+	114361524	114361547	GGAGTGTTGCAGTCGTACATTCGC	21585
TJU_CMC_MD2.ID01891.3p-miR	2	-	114514183	114514204	CGCGGCCATAGCTGACTGTGCC	21586
TJU_CMC_MD2.ID01892.3p-miR	2	+	114736924	114736944	CCGCCCCCGGGGAGCCCGGAT	21587
TJU_CMC_MD2.ID01893.3p-miR	2	-	118674963	118674985	ACCGAGCCCTCGGGACCTCCTGA	21588
TJU_CMC_MD2.ID01893.5p-miR	2	-	118675007	118675030	ACCAGAAGGTCCAGGGTCCAGGCA	21589
TJU_CMC_MD2.ID01894.3p-miR	2	+	118760094	118760115	TGAGGACAACAGTAATACCCCA	21590
TJU_CMC_MD2.ID01895.5p-miR	2	-	119604668	119604691	CGGCGGCGGCGGCGACTCCGGGCG	21591
TJU_CMC_MD2.ID01896.3p-miR	2	+	120517800	120517821	CTGGCGGCTCCGGGTCGTGGCG	21592
TJU_CMC_MD2.ID01897.3p-miR	2	-	120980936	120980959	CCCGGAGTCGCCTGGAAGCGTCCG	21593
TJU_CMC_MD2.ID01898.3p-miR	2	+	121499415	121499434	ACCGGCCGCCGCCGGCGAGT	21594
TJU_CMC_MD2.ID01899.5p-miR	2	+	128052331	128052352	GGCGACAGGCCGAGAGTTCGTC	21595
TJU_CMC_MD2.ID01900.5p-miR	2	-	128145463	128145483	CGGCCGCTGGGCGCAGCGTTC	21596
TJU_CMC_MD2.ID01901.5p-miR	2	+	128180770	128180790	GGCGGGCGGCGGGGCGGGGCT	21597
TJU_CMC_MD2.ID01902.5p-miR	2	-	128412547	128412568	CTCATCCCCTGCTGTCAGGTCC	21598
TJU_CMC_MD2.ID01903.3p-miR	2	-	128458909	128458928	CGTGGTCGCAGGTGCTGCCT	21599
TJU_CMC_MD2.ID01904.3p-miR	2	+	128459120	128459143	CCAGCTGCAGGAGTACCTGGCGCA	21600
TJU_CMC_MD2.ID01905.5p-miR	2	-	128459753	128459774	CCCAGCGGCGAGGGCGCGAGGT	21601
TJU_CMC_MD2.ID01906.3p-miR	2	+	130267304	130267324	GACCTATGCAGTGAGGTCTAT	21602
TJU_CMC_MD2.ID01907.5p-miR	2	-	130696463	130696484	ATGCTCCCATGACCATGGCAGG	21603
TJU_CMC_MD2.ID01908.3p-miR	2	+	131103329	131103352	TGACAGCCACCTTTCCCCGCCAGT	21604
TJU_CMC_MD2.ID01909.3p-miR	2	-	131149114	131149135	CAGGGCCCGTGCGCGTTCCAGA	21605
TJU_CMC_MD2.ID01910.3p-miR	2	+	132218439	132218458	GGCCGGTCGGGGGGCGGCCC	21606
TJU_CMC_MD2.ID01911.5p-miR	2	-	133010573	133010595	CCCGCCCCTTCCCCCTCCCCCTG	21607
TJU_CMC_MD2.ID01912.5p-miR	2	-	133015769	133015789	TCCCTCAGGTGCCCGAGGTCG	21608
TJU_CMC_MD2.ID01913.3p-miR	2	+	133191344	133191364	CAGGCATGACAACCTCATACT	21609
TJU_CMC_MD2.ID01915.5p-miR	2	+	136633379	136633400	CCCTGCGAACCCCCAGCACCAT	21610
TJU_CMC_MD2.ID01916.5p-miR	2	-	139259233	139259253	GCGCTTGGGAAGCCGCCACCG	21611

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TJU_CMC_MD2.ID01917.3p-miR	2	-	141299458	141299480	TTCTGGTCGGACTGGGGAAGAAG	21612
TJU_CMC_MD2.ID01918.5p-miR	2	+	141406056	141406078	TACTGAGTTGTGAAATACTGTGG	21613
TJU_CMC_MD2.ID01919.5p-miR	2	-	143914889	143914911	AGCAGCTGGATACAGAAATGCTC	21614
TJU_CMC_MD2.ID01920.3p-miR	2	-	145273564	145273586	CAGCCCCAGCCCGCGCCTCGCGG	21615
TJU_CMC_MD2.ID01921.5p-miR	2	+	149402490	149402510	ACTGAGGAAGGAGGTGGAGGA	21616
TJU_CMC_MD2.ID01922.3p-miR	2	-	152425050	152425070	ATCTACTTACACTCAGAATGC	21617
TJU_CMC_MD2.ID01923.3p-miR	2	-	152802887	152802908	TGAAGTCCCAGGCAAACCAGGA	21618
TJU_CMC_MD2.ID01924.5p-miR	2	+	153246704	153246724	TGGTCCCTTTCCGTGTAAACT	21619
TJU_CMC_MD2.ID01925.5p-miR	2	-	161053408	161053428	TCACTAGATTTGGGGATTGAC	21620
TJU_CMC_MD2.ID01926.3p-miR	2	-	161126806	161126825	CGGCACAGCTGACGGGTGCG	21621
TJU_CMC_MD2.ID01927.5p-miR	2	-	168420450	168420469	GGGGTCGGCCCCGCCTGGCC	21622
TJU_CMC_MD2.ID01928.3p-miR	2	+	169312789	169312810	GCCGCGAGCCTTCGAGAGCAGC	21623
TJU_CMC_MD2.ID01929.3p-miR	2	+	170590391	170590410	TCGCGCCCAGACCGTGCGGG	21624
TJU_CMC_MD2.ID01930.3p-miR	2	-	170681359	170681379	AGGTGCGTGGTCGTGGCGCGA	21625
TJU_CMC_MD2.ID01931.5p-miR	2	+	170684030	170684049	GCCGCGGCGGCCGTCGGGGG	21626
TJU_CMC_MD2.ID01932.5p-miR	2	+	172016673	172016695	TCGCCACCATCCCCCACCCCAGG	21627
TJU_CMC_MD2.ID01933.3p-miR	2	+	173355927	173355949	CCATTCTTCTTTTTCTCTCTAGA	21628
TJU_CMC_MD2.ID01934.5p-miR	2	-	175464780	175464803	TGCGCATTAGATTCTCAGAGGAGC	21629
TJU_CMC_MD2.ID01935.5p-miR	2	+	178129566	178129589	ATCCCCCACCCGCGCCGGGGCTGA	21630
TJU_CMC_MD2.ID01936.5p-miR	2	-	179056204	179056225	TCGCCACCTCTAACCAGTGACA	21631
TJU_CMC_MD2.ID01937.3p-miR	2	-	179343240	179343260	ACGCGGGAGGGAGAGCAGTGT	21632
TJU_CMC_MD2.ID01938.5p-miR	2	-	179885194	179885215	ATACACCTGATCCCATGAGAAG	21633
TJU_CMC_MD2.ID01939.5p-miR	2	+	181763676	181763699	CTTGTCAAACTCTTTAAAAATTCC	21634
TJU_CMC_MD2.ID01940.3p-miR	2	+	182013410	182013429	CCACAGATAGCAGATCCACA	21635
TJU_CMC_MD2.ID01941.5p-miR	2	+	187541226	187541249	GAGGCTGAAGCATGGAGGTTGCAG	21636
TJU_CMC_MD2.ID01942.3p-miR	2	-	187558966	187558986	GCCGCGGGGACCAGCCGCGCT	21637
TJU_CMC_MD2.ID01943.5p-miR	2	+	189842824	189842846	GTATAGGCCTTTAGATCATCTGA	21638
TJU_CMC_MD2.ID01944.5p-miR	2	+	190570726	190570746	ACACCAGCTTCCTCTTGTTGC	21639

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TJU_CMC_MD2.ID01945.3p-miR	2	+	191001351	191001372	TCTCCCCCAAAGGTATGCAGAG	21640
TJU_CMC_MD2.ID01946.3p-miR	2	-	191273510	191273530	GGAAGTGCTGCCAGCACGGGG	21641
TJU_CMC_MD2.ID01947.5p-miR	2	-	191399178	191399201	CCGGGCGGCACCGCGAGGCCCACT	21642
TJU_CMC_MD2.ID01948.5p-miR	2	-	191513582	191513603	CCGCCGCCGGGCGGGGGCGGGG	21643
TJU_CMC_MD2.ID01949.3p-miR	2	-	198159018	198159039	TGAAAGATGACACGTGTTGACT	21644
TJU_CMC_MD2.ID01950.3p-miR	2	+	198159082	198159103	TGAAAGATGACATGTTGACTGA	21645
TJU_CMC_MD2.ID01950.5p-miR	2	+	198159028	198159049	TGTCATCTTTCATATAGAAGTT	21646
TJU_CMC_MD2.ID01951.3p-miR	2	+	198319890	198319910	GTTCATGTATTGCCTCCCAGT	21647
TJU_CMC_MD2.ID01953.5p-miR	2	-	200715842	200715863	CGCGGGCCACGCGCGGCGGCGA	21648
TJU_CMC_MD2.ID01954.3p-miR	2	-	201373530	201373551	TGCCTCAGAGGTGGCTCTCACA	21649
TJU_CMC_MD2.ID01955.3p-miR	2	-	202818829	202818851	TTTGGCTTTTCAGGAAGCCCTTC	21650
TJU_CMC_MD2.ID01956.5p-miR	2	+	206438599	206438619	TCGGCACTTAAAATCCATACC	21651
TJU_CMC_MD2.ID01957.3p-miR	2	+	207308447	207308467	GCCCCGTGCCCCGAGCCCGGA	21652
TJU_CMC_MD2.ID01958.3p-miR	2	-	208031142	208031164	GAGCTGGCGCGAGTGTCGCCACG	21653
TJU_CMC_MD2.ID01959.3p-miR	2	+	208031449	208031469	CGCGAGGCGGTGCCGGGGAGG	21654
TJU_CMC_MD2.ID01959.5p-miR	2	+	208031414	208031436	ACCCCGCCTCCGCCTGGGCACGG	21655
TJU_CMC_MD2.ID01960.3p-miR	2	-	208634592	208634611	GCCGTGAGTCCGCTGTGGTC	21656
TJU_CMC_MD2.ID01961.5p-miR	2	-	211036113	211036133	AGACCGCGGCAGGGTTCCGTC	21657
TJU_CMC_MD2.ID01962.3p-miR	2	+	214390546	214390566	TACCAGGGTAGATACAGATGT	21658
TJU_CMC_MD2.ID01964.3p-miR	2	+	219264464	219264484	CCCGCCTCCCAGTCCGCCTAG	21659
TJU_CMC_MD2.ID01965.5p-miR	2	-	219270768	219270790	AGCCCCTCCCTCCACCAACAGCC	21660
TJU_CMC_MD2.ID01966.5p-miR	2	-	219866404	219866426	GCGACGAGCCCCTCGCACAAACC	21661
TJU_CMC_MD2.ID01967.5p-miR	2	-	220158886	220158907	GTCATTTTTGTGATCTGCAGCT	21662
TJU_CMC_MD2.ID01968.3p-miR	2	+	220337587	220337609	CCTCTAGTAGCTCCTCTCCCGCC	21663
TJU_CMC_MD2.ID01969.3p-miR	2	-	220408425	220408444	GGGAATCGAGGCGCGGCTCC	21664
TJU_CMC_MD2.ID01970.3p-miR	2	+	220413850	220413872	CCTTCTCTACCCATCCCACCACA	21665
TJU_CMC_MD2.ID01971.3p-miR	2	-	220413800	220413821	CTTGAGCCCTCCCTCTCTCATC	21666
TJU_CMC_MD2.ID01972.5p-miR	2	-	220435586	220435605	CGCTGCCATCGCCGGGGTCC	21667

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TJU_CMC_MD2.ID01973.3p-miR	2	+	225235763	225235783	AGCCTGACAGCCTCGCTTCCA	21668
TJU_CMC_MD2.ID01975.3p-miR	2	-	225875116	225875137	ACAATATAAGATTCTGTCCCCT	21669
TJU_CMC_MD2.ID01976.5p-miR	2	-	227664581	227664603	GCGGAGAGGGGCGGGCGCGGGGC	21670
TJU_CMC_MD2.ID01977.3p-miR	2	-	227665849	227665870	GCATCCTGCAGTGCCTGGGAGC	21671
TJU_CMC_MD2.ID01978.5p-miR	2	-	227700610	227700630	TGCAGACCGCGTGCGCCGGCA	21672
TJU_CMC_MD2.ID01981.3p-miR	2	-	230195438	230195459	TTATTTCAAAGGACAGCTGGAA	21673
TJU_CMC_MD2.ID01982.5p-miR	2	-	230519346	230519368	AGGCAGTGCCCGAAGGCCAGAGA	21674
TJU_CMC_MD2.ID01983.3p-miR	2	-	231037678	231037699	TGCCCACGTTATCTGCCCTTGC	21675
TJU_CMC_MD2.ID01984.3p-miR	2	-	232050778	232050800	TGTGTCTCCATTTCCCCTTCAGC	21676
TJU_CMC_MD2.ID01985.5p-miR	2	+	232826506	232826526	CGCCTAGTGCTGCACGACCCC	21677
TJU_CMC_MD2.ID01986.5p-miR	2	+	233217224	233217247	GCCTGGCACAGCGGCGGCAGCGCG	21678
TJU_CMC_MD2.ID01987.3p-miR	2	-	233346567	233346586	GGCCTGATGCTGCTGCTGTG	21679
TJU_CMC_MD2.ID01988.5p-miR	2	+	234372708	234372730	AGAGCAGAGCAGAGCCCTGGAGC	21680
TJU_CMC_MD2.ID01989.5p-miR	2	+	235406289	235406311	CCCGGCCCCCAGTGACGCCCAGG	21681
TJU_CMC_MD2.ID01990.3p-miR	2	+	235860642	235860662	CCCGCCGAGGCGGGGGCCCAG	21682
TJU_CMC_MD2.ID01991.5p-miR	2	-	236175177	236175199	CGAGCTGGCTGATGGTACCCTGC	21683
TJU_CMC_MD2.ID01992.3p-miR	2	-	238828450	238828473	CACCTGTCATGGACATGCACCTCC	21684
TJU_CMC_MD2.ID01993.3p-miR	2	+	239050976	239050996	GCCCGTGGACGGTCACCTTGT	21685
TJU_CMC_MD2.ID01994.3p-miR	2	+	239112011	239112033	AGGCCCCGTGCAGCCCGCGCCGC	21686
TJU_CMC_MD2.ID01995.3p-miR	2	-	239148213	239148233	TCACCGCCCTTCCCGCCCGCG	21687
TJU_CMC_MD2.ID01996.3p-miR	2	-	239148586	239148606	TCCCCGCCGCTCCCCGTCCCC	21688
TJU_CMC_MD2.ID01997.5p-miR	2	-	239313678	239313699	TCCCAGAGGGGAGAAGTTTCCA	21689
TJU_CMC_MD2.ID01998.3p-miR	2	-	239334685	239334707	GCCCACTGGGGGCAGACCTGGCA	21690
TJU_CMC_MD2.ID01999.3p-miR	2	+	239356026	239356047	CGCATGCTGTCCAGTGGACAGA	21691
TJU_CMC_MD2.ID01999.5p-miR	2	+	239355997	239356018	AGTCCTCTGGGTGGTTATGAGC	21692
TJU_CMC_MD2.ID02000.3p-miR	2	-	239755634	239755654	GTTTGAAGTGGTTGGGGGGCT	21693
TJU_CMC_MD2.ID02001.5p-miR	2	+	240172153	240172174	AGCTCCAGGCAGTCAGCTCCAC	21694
TJU_CMC_MD2.ID02002.5p-miR	2	+	240322391	240322410	CGGGCGGCGGCGGCCGGCTC	21695
TJU_CMC_MD2.ID02003.3p-miR	2	+	241075416	241075439	CCCCGGGCTAGGGCACACGCTTCC	21696
TJU_CMC_MD2.ID02004.3p-miR	2	+	241375551	241375574	TCCGGACCCTGGTCTTCCCGACGC	21697

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TJU_CMC_MD2.ID02005.5p-miR	2	-	241500139	241500162	GCACCAACGGTGGAGGTACGGGCG	21698
TJU_CMC_MD2.ID02006.3p-miR	2	+	241500243	241500264	TGCGTCAACGTCTCCCGCCAGC	21699
TJU_CMC_MD2.ID02007.3p-miR	2	+	241516236	241516257	CCAGCCCTGACCTGCCCCCTGC	21700
TJU_CMC_MD2.ID02008.5p-miR	2	-	241525955	241525976	CCGGGGGCGGCGGAGCCCAGGG	21701
TJU_CMC_MD2.ID02009.5p-miR	2	+	241938107	241938130	CGCGGGACGCGGAGCCCCCGACGG	21702
TJU_CMC_MD2.ID02010.3p-miR	2	+	242155563	242155583	GGAGCTTCTGCAGGGGCTAGC	21703
TJU_CMC_MD2.ID02011.3p-miR	2	+	242295739	242295758	CTGCTTGCGACTGCGGAGGC	21704
TJU_CMC_MD2.ID02012.5p-miR	2	-	242576580	242576601	CGGGCCCGCTGCGGGCGCCTGC	21705
TJU_CMC_MD2.ID02013.3p-miR	2	-	242576907	242576928	GGCATGGGGTCGTGTCGTGGGA	21706
TJU_CMC_MD2.ID02014.5p-miR	2	+	242641144	242641166	TGGCCCAGGGGTCGCTGACAGGT	21707
TJU_CMC_MD2.ID02015.5p-miR	2	+	242674053	242674074	TCGGCGGCTCTGGGCCTGCGGC	21708
TJU_CMC_MD2.ID02016.3p-miR	2	+	242674272	242674292	CGCGCGCGCGTCCGCGGGATC	21709
TJU_CMC_MD2.ID02017.3p-miR	2	+	242675489	242675510	TGCCTGGCGCAGTGGCTCTGCC	21710
TJU_CMC_MD2.ID02018.3p-miR	2	+	242707215	242707235	CCGGGCAGCAGGGCAGCGTCA	21711
TJU_CMC_MD2.ID02019.3p-miR	20	-	388468	388490	CGCCCTGCGAGCCCGGCGCCTGC	21712
TJU_CMC_MD2.ID02020.3p-miR	20	-	1373677	1373698	GCTGTTGGTCCACGCCGCCCGT	21713
TJU_CMC_MD2.ID02021.3p-miR	20	+	1447135	1447158	CGAGGCAGGGTGAAACTGGCACGG	21714
TJU_CMC_MD2.ID02022.5p-miR	20	-	2633080	2633100	CTCTGCAGCTGCGCGGGCGGG	21715
TJU_CMC_MD2.ID02023.5p-miR	20	+	3026724	3026743	GCGCTGAGCCGCCTGGGCGC	21716
TJU_CMC_MD2.ID02024.3p-miR	20	+	3626201	3626222	GTAGCCTTTCCTGCTCCAGCCT	21717
TJU_CMC_MD2.ID02025.5p-miR	20	+	3846668	3846688	GAAGTTCCAGGAGAGGGAGGT	21718
TJU_CMC_MD2.ID02027.3p-miR	20	-	4129352	4129373	CCGCCGGGAGCCGGGAAGCTAG	21719
TJU_CMC_MD2.ID02028.3p-miR	20	-	4667809	4667830	CAGCCCCCCTCGGAGAAGCTCA	21720
TJU_CMC_MD2.ID02029.5p-miR	20	-	5591571	5591593	GAGCGCTGGCGAGGCACGGACGG	21721
TJU_CMC_MD2.ID02030.3p-miR	20	+	8379144	8379165	TGCTGAGGGCCCACTTCTTGGT	21722
TJU_CMC_MD2.ID02031.5p-miR	20	-	9491517	9491536	TCTTGTGGGACAGAAACTGA	21723
TJU_CMC_MD2.ID02032.5p-miR	20	-	10414828	10414850	GGTTGTCGGGATCCGCGGCAGCA	21724
TJU_CMC_MD2.ID02033.5p-miR	20	-	15960270	15960289	CTGAGGATACTTAACTATGG	21725
TJU_CMC_MD2.ID02035.5p-miR	20	-	19192733	19192755	TCCCTGTGTGCAGTCCTTCAACC	21726
TJU_CMC_MD2.ID02036.3p-miR	20	+	21503294	21503313	GCGGGCGGTCGGGCGGCGGC	21727
TJU_CMC_MD2.ID02037.5p-miR	20	+	23078419	23078440	AGCCTCAGCTTTGCCAGATCCT	21728

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TJU_CMC_MD2.ID02038.5p-miR	20	-	23291106	23291125	GAGTCCGGCCCAGGGCAGGT	21729
TJU_CMC_MD2.ID02039.3p-miR	20	-	24942970	24942991	TGCTGGTCAGGCCCCATGTTGG	21730
TJU_CMC_MD2.ID02040.5p-miR	20	-	25062535	25062555	GTCGCGCCGTGCCCGGGCCCG	21731
TJU_CMC_MD2.ID02041.3p-miR	20	+	25262647	25262669	TCCCTGTTCTCTGTGTTTGCAGC	21732
TJU_CMC_MD2.ID02042.5p-miR	20	-	25566137	25566156	CCGGCGGTACGGGGGTGGTG	21733
TJU_CMC_MD2.ID02043.3p-miR	20	-	26189319	26189340	TGGCCGAGCGCGGCTCGTCGCC	21734
TJU_CMC_MD2.ID02043.5p-miR	20	-	26189348	26189369	AGCGAGGGTTCCGCCGGCCACC	21735
TJU_CMC_MD2.ID02044.3p-miR	20	+	30161012	30161032	CCCCGCGCCGCCCCGCGGGGG	21736
TJU_CMC_MD2.ID02045.3p-miR	20	-	30449496	30449518	CGCCGGCCTTGACCCCGCCCACC	21737
TJU_CMC_MD2.ID02046.3p-miR	20	+	30458144	30458165	CCCGGGGGCGGCGGTCCGGGTG	21738
TJU_CMC_MD2.ID02047.5p-miR	20	-	31171123	31171144	TCCCCCTCCCCCTCCGCGGCCG	21739
TJU_CMC_MD2.ID02048.3p-miR	20	+	31261760	31261781	TCCAACTGTCAATGGGTCTAAC	21740
TJU_CMC_MD2.ID02049.3p-miR	20	+	32251620	32251639	CCCGCCGAGGAGCAGCCGCG	21741
TJU_CMC_MD2.ID02050.3p-miR	20	-	32264471	32264493	TCTGCAGCCCTGGAGCCCCCTGT	21742
TJU_CMC_MD2.ID02050.5p-miR	20	-	32264507	32264530	TGGAGGGACCAGGGTTTCCAGAGA	21743
TJU_CMC_MD2.ID02051.3p-miR	20	+	32273897	32273920	GGGGCCGGCGGCGGGCGCCGCGGG	21744
TJU_CMC_MD2.ID02052.5p-miR	20	+	32274103	32274126	GCGGCGGCGGCGGCGCGGGCCCAT	21745
TJU_CMC_MD2.ID02053.5p-miR	20	+	32399197	32399218	CGCCGGAGCCGACCCGAGCCGA	21746
TJU_CMC_MD2.ID02054.3p-miR	20	-	33440077	33440096	CAACCCCACCTCGGCCCCCA	21747
TJU_CMC_MD2.ID02055.5p-miR	20	-	33872345	33872368	GCCTGAGGGACGGAGGCCGGGATA	21748
TJU_CMC_MD2.ID02056.3p-miR	20	-	34252712	34252735	CTCGCGCGGGGGGTAATTCGGGGT	21749
TJU_CMC_MD2.ID02057.3p-miR	20	+	34681443	34681462	GGCGGCGGCGGGGGGTGTCCC	21750
TJU_CMC_MD2.ID02058.5p-miR	20	-	34742569	34742590	TGGCGCCCGACGCGCGGCCAGC	21751
TJU_CMC_MD2.ID02059.3p-miR	20	-	35805488	35805509	ACCACAGATGGGAGCCACCACA	21752
TJU_CMC_MD2.ID02059.5p-miR	20	-	35805529	35805549	TGTGGTGGCTCGCATCTGTGG	21753
TJU_CMC_MD2.ID02060.3p-miR	20	+	35805528	35805549	ACCACAGATGCGAGCCACCACA	21754
TJU_CMC_MD2.ID02061.3p-miR	20	+	35807766	35807787	CCGCCGGGTGAGGAGTTGCGCG	21755
TJU_CMC_MD2.ID02062.3p-miR	20	+	36150966	36150987	TGGGCGGGCGGGGCAGGGGGTG	21756
TJU_CMC_MD2.ID02063.5p-miR	20	-	36842018	36842041	GCAGCGACTGGCATCTGAGTTCCC	21757
TJU_CMC_MD2.ID02064.5p-miR	20	-	37353075	37353097	CGGAGGGCGGCGGCGGCGGCGGC	21758

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TJU_CMC_MD2.ID02065.5p-miR	20	-	39318696	39318715	AGAGCTACTCGGAGCACCGT	21759
TJU_CMC_MD2.ID02066.5p-miR	20	-	39995084	39995105	AAGCGCGGGCGGGCGGCGGGCG	21760
TJU_CMC_MD2.ID02067.3p-miR	20	+	42086595	42086617	TCCCCGCACCCGCACCGCGGTTA	21761
TJU_CMC_MD2.ID02068.5p-miR	20	+	42287212	42287235	CAGCCACCGTGCCTGGCCTAGAGT	21762
TJU_CMC_MD2.ID02069.5p-miR	20	-	42839232	42839252	GGGCCCGCCCGCCTTGGGTCG	21763
TJU_CMC_MD2.ID02070.5p-miR	20	+	42839759	42839782	CCACCGCCCCGGGATCTCCTTGCG	21764
TJU_CMC_MD2.ID02071.3p-miR	20	+	43104543	43104566	CCGGGCAGGGAGTGCGGGTCGGTT	21765
TJU_CMC_MD2.ID02072.3p-miR	20	+	43272774	43272794	ACAACTAATCTGACTGGGTTT	21766
TJU_CMC_MD2.ID02073.5p-miR	20	-	44042754	44042774	ACTCAACCCTGTCACCTAGGC	21767
TJU_CMC_MD2.ID02074.3p-miR	20	+	44044829	44044848	CCTGTTGCTCCTGGGGCCCG	21768
TJU_CMC_MD2.ID02074.5p-miR	20	+	44044781	44044800	GGAAGTAGCCGCAGGCATGG	21769
TJU_CMC_MD2.ID02075.3p-miR	20	+	44523610	44523633	GACCCACTGTCTGTGCCTTCCAGG	21770
TJU_CMC_MD2.ID02076.5p-miR	20	-	44718569	44718589	GCCGCCATTGCCTCGTGCCCG	21771
TJU_CMC_MD2.ID02077.3p-miR	20	+	44992960	44992982	CCCCCCAGCCTCTGGGAGTGCGC	21772
TJU_CMC_MD2.ID02078.5p-miR	20	+	47443760	47443782	CTCCTACGGTATGTCCTAGATGA	21773
TJU_CMC_MD2.ID02079.5p-miR	20	-	47444512	47444531	CGCCCGCCGCGCCGGGAGCC	21774
TJU_CMC_MD2.ID02080.3p-miR	20	-	47663204	47663227	CGCCTCAGTTGCCCTCAGCCCTCA	21775
TJU_CMC_MD2.ID02081.5p-miR	20	-	48531983	48532005	GGCTAGAGCCCGACGGGGGCCCGG	21776
TJU_CMC_MD2.ID02082.3p-miR	20	+	48552952	48552973	GGCGGCGCAACAGCGGGACTGC	21777
TJU_CMC_MD2.ID02083.3p-miR	20	-	48599231	48599253	GGGACGTCGAGCGAAGCGAGGCC	21778
TJU_CMC_MD2.ID02084.3p-miR	20	-	48808062	48808085	TCGGCGGGCGGCGGCGGCGGCGGG	21779
TJU_CMC_MD2.ID02085.3p-miR	20	-	49212800	49212821	CCAGTTCTCAATTCAACTCAGA	21780
TJU_CMC_MD2.ID02085.5p-miR	20	-	49212829	49212850	GGAGCTGAACTGCTAACTGGAA	21781
TJU_CMC_MD2.ID02087.5p-miR	20	-	51728410	51728431	ACCCCCAAGGATTGTAAGCTCT	21782
TJU_CMC_MD2.ID02088.3p-miR	20	+	51728412	51728433	AGCTTACAATCCTTGGGGGTCA	21783
TJU_CMC_MD2.ID02088.5p-miR	20	+	51728376	51728395	ACCCCCAGAGATTGCACGCT	21784
TJU_CMC_MD2.ID02089.3p-miR	20	-	52209639	52209660	CCGGGAGTCTTGGGGCGCCTGC	21785
TJU_CMC_MD2.ID02090.3p-miR	20	-	56224500	56224521	ACAGAGCCTGTCCCTCTCATGA	21786
TJU_CMC_MD2.ID02091.5p-miR	20	-	56644979	56645000	CTCTGGACCTGCTCTCCCCTGG	21787
TJU_CMC_MD2.ID02092.5p-miR	20	-	56964629	56964650	CCCGCCGCGCCGGGCTCCGTCC	21788
TJU_CMC_MD2.ID02093.5p-miR	20	-	57429661	57429682	GTCGGGATCGGCTGGGGCGTCA	21789

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TJU_CMC_MD2.ID02094.3p-miR	20	+	57466482	57466503	TCCCGCAGCTCCTGCTCTGGTC	21790
TJU_CMC_MD2.ID02095.3p-miR	20	+	57485780	57485801	CCTCATTTCACCTGCGCTGTGG	21791
TJU_CMC_MD2.ID02096.3p-miR	20	+	57598951	57598971	GAGGAGTACCCGGACCGGATC	21792
TJU_CMC_MD2.ID02096.5p-miR	20	+	57598914	57598935	CTCCGGGATGGGCACTCTGCTC	21793
TJU_CMC_MD2.ID02097.3p-miR	20	+	60641293	60641314	TCGCTCTTTGTCTCGGCTCGCT	21794
TJU_CMC_MD2.ID02098.3p-miR	20	+	60696956	60696978	GCGCCCAGGGCCTCCGCCACTCC	21795
TJU_CMC_MD2.ID02099.5p-miR	20	+	60697524	60697544	GAGCCCCAGTCGCGCGCCCCT	21796
TJU_CMC_MD2.ID02100.3p-miR	20	-	60718378	60718397	GAGTCGCGGCGGAAGGAGCC	21797
TJU_CMC_MD2.ID02101.3p-miR	20	+	60796030	60796052	CAGCAAGCCGCTCGGAGCCCAGC	21798
TJU_CMC_MD2.ID02102.5p-miR	20	+	61002024	61002045	AAGGCCCGCCTTTGTGGCTGCT	21799
TJU_CMC_MD2.ID02103.5p-miR	20	+	61050309	61050329	GCCCCGGGCGGGTGCGCGGCT	21800
TJU_CMC_MD2.ID02104.5p-miR	20	+	61151519	61151541	ACATACTTCTTTATATGCCCATA	21801
TJU_CMC_MD2.ID02105.3p-miR	20	+	61340009	61340029	CCCCCCACTGCTGGGCGCGCC	21802
TJU_CMC_MD2.ID02106.3p-miR	20	+	61425933	61425955	GCGGCGGCCGGGAGTCGGAGGCA	21803
TJU_CMC_MD2.ID02107.5p-miR	20	-	61557814	61557834	CCGCGGCGTTCGGGGAAATGG	21804
TJU_CMC_MD2.ID02108.3p-miR	20	+	61648196	61648217	TGGGGCCATGCTGTCCTGAGCC	21805
TJU_CMC_MD2.ID02109.5p-miR	20	+	61809102	61809122	TCGGGGTTCCCGCGCCCTTCT	21806
TJU_CMC_MD2.ID02110.5p-miR	20	+	61937817	61937840	CTCTGACCCCTTTGGGAACCTCCA	21807
TJU_CMC_MD2.ID02111.3p-miR	20	-	62169034	62169055	CACCTTCCTGCCCTCAGGCTGC	21808
TJU_CMC_MD2.ID02112.3p-miR	20	+	62179150	62179171	GGGGGCGGGCTCCAGGAGGGGC	21809
TJU_CMC_MD2.ID02113.5p-miR	20	-	62190346	62190367	AGGGGCTTCCTTGGGACCAGTG	21810
TJU_CMC_MD2.ID02114.3p-miR	20	+	62371285	62371307	GCGCCGCCGGCCGGGACCCCAGT	21811
TJU_CMC_MD2.ID02115.5p-miR	20	+	62462247	62462267	CCGCCCCCGGAGCCCGCGCCG	21812
TJU_CMC_MD2.ID02116.3p-miR	20	-	62572212	62572235	CGGAGTCCTCACCCTGCACCCCAC	21813
TJU_CMC_MD2.ID02117.3p-miR	20	-	62594793	62594815	CCGATGCTCACCCTGTCCCCAGC	21814
TJU_CMC_MD2.ID02118.3p-miR	20	+	62653145	62653165	GTATGCGTGCACGTATGCATA	21815
TJU_CMC_MD2.ID02119.3p-miR	20	+	62669399	62669420	CTTCGAGGATCTGCAGGCCGCC	21816
TJU_CMC_MD2.ID02120.3p-miR	20	+	62711139	62711159	CTCCCGAAGCTCCCGCCCAGC	21817
TJU_CMC_MD2.ID02121.3p-miR	20	-	62886959	62886981	CTGCCTGCGTCCGCCCGCCCCGC	21818
TJU_CMC_MD2.ID02122.5p-miR	21	+	9825595	9825618	CCCCCCGAGCGGCTCACCGGCTTC	21819

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TJU_CMC_MD2.ID02123.3p-miR	21	+	9825928	9825951	CCCCGCGCGTGTGTCCCGGCTGCG	21820
TJU_CMC_MD2.ID02124.5p-miR	21	+	9826192	9826213	CCCGTTCGGCGCGCGCGTGCGC	21821
TJU_CMC_MD2.ID02125.3p-miR	21	+	9826346	9826365	GTCGCGGTCCCCCGTCCCGG	21822
TJU_CMC_MD2.ID02125.5p-miR	21	+	9826304	9826323	CCCGGGTCGGGGGGTGGGGC	21823
TJU_CMC_MD2.ID02126.3p-miR	21	+	9826477	9826498	GGGCCCCGGGCCCTCGACCGGG	21824
TJU_CMC_MD2.ID02126.5p-miR	21	+	9826442	9826463	CGCCCGCCGGCGGGGCTCGGAG	21825
TJU_CMC_MD2.ID02127.5p-miR	21	+	9826548	9826569	GCACCGCGGTCCGCCTCTCGCT	21826
TJU_CMC_MD2.ID02128.5p-miR	21	+	9826783	9826802	GGGGGCGGGTGGTTGGGGCG	21827
TJU_CMC_MD2.ID02129.5p-miR	21	-	11168627	11168646	CCGGGGAGGTGGAGCGGGAG	21828
TJU_CMC_MD2.ID02130.3p-miR	21	+	17102323	17102344	GTCCCCTCTCTCCCTTCCCCAA	21829
TJU_CMC_MD2.ID02132.3p-miR	21	+	26882809	26882830	GAATGTATCACCTGGACTTATC	21830
TJU_CMC_MD2.ID02133.5p-miR	21	+	30671280	30671301	TGGCTCGGCCGTCCCGCCGGCC	21831
TJU_CMC_MD2.ID02134.5p-miR	21	-	33065686	33065707	ACATTCTCCCCGATCTCGATCT	21832
TJU_CMC_MD2.ID02135.5p-miR	21	-	33103604	33103625	GTTCGCAGTGCCGGGAGCCCGC	21833
TJU_CMC_MD2.ID02136.3p-miR	21	-	33895923	33895944	GATAATGGACCCACAACCAGGA	21834
TJU_CMC_MD2.ID02137.5p-miR	21	-	33984658	33984679	ATTCCGGACTGTGAGCGGCTGT	21835
TJU_CMC_MD2.ID02139.3p-miR	21	+	34775588	34775607	AGAGGCCCCCCAGGGCCGCG	21836
TJU_CMC_MD2.ID02140.5p-miR	21	+	34924133	34924154	TTAGCATCTGGCACTATGGACT	21837
TJU_CMC_MD2.ID02141.5p-miR	21	+	34932251	34932272	AACTCGATGCAATTCACTTTGT	21838
TJU_CMC_MD2.ID02142.3p-miR	21	-	35446301	35446321	CCCGCCCCCCGCCCGGCGGGC	21839
TJU_CMC_MD2.ID02143.3p-miR	21	+	36824308	36824329	TTGCATGAAACTCTGAGCAAGA	21840
TJU_CMC_MD2.ID02143.5p-miR	21	+	36824272	36824294	AGTTCTTGCTCAGAGTTTCACGG	21841
TJU_CMC_MD2.ID02144.5p-miR	21	+	37786513	37786534	GCCCTCTGCCTCCCAACCTTCC	21842
TJU_CMC_MD2.ID02145.5p-miR	21	-	40685493	40685514	GCGCCTGAGAAGAGGGGACGCC	21843
TJU_CMC_MD2.ID02146.5p-miR	21	+	40685837	40685859	GCGCGACGCCGGGTGGCCCAGCA	21844
TJU_CMC_MD2.ID02147.5p-miR	21	-	41935339	41935359	TCTGGTGGAACTCTGAGAATT	21845
TJU_CMC_MD2.ID02148.3p-miR	21	+	43430606	43430625	GGAGCCGCGCGCCGAACGGA	21846

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TJU_CMC_MD2.ID02149.3p-miR	21	+	43951264	43951287	ACATTGCCAGCTCCCAGCCCCACC	21847
TJU_CMC_MD2.ID02150.5p-miR	21	-	44846949	44846968	GCCGGAGCAGTAGGCACCCG	21848
TJU_CMC_MD2.ID02151.5p-miR	21	-	44897700	44897722	AGCAGCACTGCTGTCCTAGCCAC	21849
TJU_CMC_MD2.ID02152.3p-miR	21	-	45209218	45209239	TGGGGCTGCGGTGGGTCGGGAT	21850
TJU_CMC_MD2.ID02153.5p-miR	21	+	45622834	45622854	CTCGGCCTGTGGGCACTGAGC	21851
TJU_CMC_MD2.ID02154.3p-miR	21	-	45660792	45660813	ATCTCCCGCGCCCCGAGGTTGC	21852
TJU_CMC_MD2.ID02155.3p-miR	21	-	45720417	45720436	CAGAACCAGGAAGGGCCAGG	21853
TJU_CMC_MD2.ID02156.3p-miR	21	-	46293422	46293441	GCCGCGCAGGAGCCTCCCGG	21854
TJU_CMC_MD2.ID02157.5p-miR	21	+	46294047	46294069	GTCCCGGACGGCGGTCCCAAGCG	21855
TJU_CMC_MD2.ID02158.5p-miR	21	+	46421505	46421526	TCCCCGCGTGGAGGTCCCGGGA	21856
TJU_CMC_MD2.ID02159.3p-miR	21	+	46708298	46708317	GCGCCGGGTGCTCTCGCCCC	21857
TJU_CMC_MD2.ID02160.3p-miR	21	+	46890944	46890967	GCTGCTGGGTGTGGGTGGCGCGCT	21858
TJU_CMC_MD2.ID02161.3p-miR	21	+	47010364	47010383	GCCGGCGGGGAGGGCGGGGA	21859
TJU_CMC_MD2.ID02162.5p-miR	21	-	47581703	47581722	CCCCGGGGACCCAGGCGGGC	21860
TJU_CMC_MD2.ID02163.3p-miR	21	-	48055239	48055261	TCCGACCTGGGGCGGGGGGCGGG	21861
TJU_CMC_MD2.ID02164.3p-miR	21	-	48081624	48081643	CCCCTCCACGCGCCCCGCGC	21862
TJU_CMC_MD2.ID02165.3p-miR	22	+	17589559	17589581	AACATGATCCTCCCGGACTTCAA	21863
TJU_CMC_MD2.ID02165.5p-miR	22	+	17589525	17589547	AAAGCCCGTGGGGGACCTGTTCA	21864
TJU_CMC_MD2.ID02166.3p-miR	22	-	17640059	17640080	CGCGCGCGGCTGCGGGGGCTCCA	21865
TJU_CMC_MD2.ID02167.3p-miR	22	-	17850158	17850180	ACCCAGGGGGGCGCGGGCCGCACC	21866
TJU_CMC_MD2.ID02169.3p-miR	22	-	18313788	18313810	CCCCAGGCCCTGCAGAGCTGGCA	21867
TJU_CMC_MD2.ID02169.5p-miR	22	-	18313828	18313850	CTCCCTGCAGCGGTCAGAGGATC	21868
TJU_CMC_MD2.ID02170.3p-miR	22	+	19710382	19710404	AGAACGGACTTGGGAGCCCTCCT	21869
TJU_CMC_MD2.ID02171.5p-miR	22	-	19711723	19711743	CCGCGCAGCGCTGGGGGCGCC	21870
TJU_CMC_MD2.ID02172.5p-miR	22	-	19791711	19791731	AGGCAGCATCAAGGCTGTGGG	21871
TJU_CMC_MD2.ID02173.3p-miR	22	+	19945212	19945232	TGTGCAGGTGCTGTGTGGGCA	21872
TJU_CMC_MD2.ID02174.5p-miR	22	+	20008690	20008712	GCTAGTGGCCCGGCCGGCCTGGG	21873
TJU_CMC_MD2.ID02175.3p-miR	22	-	20012651	20012672	ACTGCAACCTCTGCCTCCGGTA	21874
TJU_CMC_MD2.ID02177.5p-miR	22	+	20114020	20114043	AGAGTGATGCAGCTCCCTGGGGAC	21875
TJU_CMC_MD2.ID02178.5p-miR	22	-	20307545	20307565	CGTGAAGCTGGGGGAGCTCGT	21876
TJU_CMC_MD2.ID02179.3p-miR	22	-	20786275	20786295	TGTCCTCCCTCTGCTCGCAGC	21877

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TJU_CMC_MD2.ID02180.3p-miR	22	-	20796014	20796033	AGCCTGGGCAGGGGGGCTGA	21878
TJU_CMC_MD2.ID02181.3p-miR	22	+	21185363	21185383	TAGGTGTGTTTCTGTAGTGGT	21879
TJU_CMC_MD2.ID02182.5p-miR	22	-	21983672	21983692	GGGAGGAGCTCGAGGCCCAAC	21880
TJU_CMC_MD2.ID02183.5p-miR	22	+	22007279	22007300	GCTCTGACGAGGTTGCACTACT	21881
TJU_CMC_MD2.ID02184.3p-miR	22	+	24237206	24237227	TCCGGCCTCCTCCCCCCGCAGG	21882
TJU_CMC_MD2.ID02187.5p-miR	22	-	25960971	25960993	GCGGCGGCGGCGGCGGTTACTCC	21883
TJU_CMC_MD2.ID02189.5p-miR	22	+	29168795	29168815	GGGCGGCCGAGGCCGCCGTCG	21884
TJU_CMC_MD2.ID02190.5p-miR	22	+	29279834	29279856	GGTGCAGCCGCCTGCCGCCGCCG	21885
TJU_CMC_MD2.ID02191.5p-miR	22	+	29656795	29656815	CTGCAGCACCTGCAGCCGTCG	21886
TJU_CMC_MD2.ID02192.5p-miR	22	-	29702966	29702985	CCTGCCCGGAGGGGGCGGGC	21887
TJU_CMC_MD2.ID02193.3p-miR	22	-	29703290	29703311	CCTCCGCAGGCCCTGCCGGTGC	21888
TJU_CMC_MD2.ID02194.3p-miR	22	+	29876781	29876803	ACATCGCGCACGTGCGCCAGCGC	21889
TJU_CMC_MD2.ID02195.3p-miR	22	-	30737877	30737899	CCTTTGCCTCTGGCTCACCCTCT	21890
TJU_CMC_MD2.ID02196.5p-miR	22	+	30821783	30821802	CGGCCGGGCAGACCCAAGTG	21891
TJU_CMC_MD2.ID02197.3p-miR	22	-	31051951	31051973	GATGCAGTGCAGTGGTGCCTCAA	21892
TJU_CMC_MD2.ID02198.3p-miR	22	+	31284190	31284210	AGCTCTGTCTGTGTCTCTAGG	21893
TJU_CMC_MD2.ID02199.5p-miR	22	-	31459533	31459555	AGGGACTCGCTATGTTGCCCAGA	21894
TJU_CMC_MD2.ID02200.3p-miR	22	-	31501114	31501135	CCCGCCCCTCCTCCGCCTCAGC	21895
TJU_CMC_MD2.ID02201.3p-miR	22	+	31687000	31687020	GCCACTGACGTAGCACCAGGG	21896
TJU_CMC_MD2.ID02202.5p-miR	22	+	31742815	31742835	TAGCAGGGTGGGGGGGCAGGA	21897
TJU_CMC_MD2.ID02203.5p-miR	22	-	32014259	32014282	CAGGCAGGGCTGAGAGGGAGCACA	21898
TJU_CMC_MD2.ID02204.5p-miR	22	-	32146066	32146087	CCCCGGCCTCTGTCGGCTCCGT	21899
TJU_CMC_MD2.ID02205.5p-miR	22	+	34199986	34200007	TGGCAGTCAGGATTGTTATGTT	21900
TJU_CMC_MD2.ID02207.5p-miR	22	+	35731663	35731683	GAGCAGGCTCCGGGGGACAGG	21901
TJU_CMC_MD2.ID02209.3p-miR	22	+	36425149	36425170	GAAGCGATCGGGGAAGCTCGGG	21902
TJU_CMC_MD2.ID02210.5p-miR	22	-	36783849	36783870	GGGGCAGATCCAGGTTCAGGTG	21903
TJU_CMC_MD2.ID02211.5p-miR	22	+	36865421	36865443	TAGCTTGCTGCTGTGATGAGTGA	21904
TJU_CMC_MD2.ID02212.5p-miR	22	-	37640031	37640051	GTCCCTGGAAGGCAGCTTGGA	21905

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TJU_CMC_MD2.ID02213.3p-miR	22	-	37881537	37881558	TCCTGACCCAGACCCGTGCCCA	21906
TJU_CMC_MD2.ID02214.3p-miR	22	+	37956504	37956527	CTCTCCCGGGCTGCCAGCCGGGAC	21907
TJU_CMC_MD2.ID02215.5p-miR	22	-	38036461	38036483	GAGGCTCCCCAAACTTCCGGCCT	21908
TJU_CMC_MD2.ID02216.3p-miR	22	+	38198666	38198688	CCGTCTTTCCTCGTCTTGCCCGC	21909
TJU_CMC_MD2.ID02217.5p-miR	22	+	38577709	38577731	CCGGCGGAGACTTGGGAGTCCGG	21910
TJU_CMC_MD2.ID02219.3p-miR	22	-	39097031	39097052	CCACGGCTGGGAGGAGTGAGGA	21911
TJU_CMC_MD2.ID02220.5p-miR	22	+	39570757	39570780	CAGGCCTCGATGGGGCTGTGCTTC	21912
TJU_CMC_MD2.ID02221.3p-miR	22	+	39631455	39631478	ACCCTCCCTGGCTGGGCCCACACC	21913
TJU_CMC_MD2.ID02222.3p-miR	22	+	39853459	39853481	GAGAGGCTGCGGCGGACGCCAGC	21914
TJU_CMC_MD2.ID02223.3p-miR	22	-	40390802	40390823	CGGCCTGGCGGACGCGGTCGGG	21915
TJU_CMC_MD2.ID02224.3p-miR	22	+	40706303	40706324	TTGCAGATGCTTTTCCCTCCAA	21916
TJU_CMC_MD2.ID02224.5p-miR	22	+	40706263	40706284	AGGCGGGAATTCCATCTCATTG	21917
TJU_CMC_MD2.ID02225.5p-miR	22	+	40766647	40766668	GCTGCTAACCCGACCCGGATTG	21918
TJU_CMC_MD2.ID02226.3p-miR	22	+	40805445	40805467	TTACCACCCCTTCCTCACCTCTA	21919
TJU_CMC_MD2.ID02227.3p-miR	22	+	41048104	41048125	AGTCACCTCCCTCCTGGCCAGG	21920
TJU_CMC_MD2.ID02228.3p-miR	22	+	41048618	41048641	CTACCTCCTGCCCTTCCCACCGCA	21921
TJU_CMC_MD2.ID02229.3p-miR	22	+	41488443	41488463	GGGCCGGTGCGGCGGCGGCGG	21922
TJU_CMC_MD2.ID02230.3p-miR	22	+	41621195	41621217	CTGCACCCAGAGTCCCTGACTTT	21923
TJU_CMC_MD2.ID02231.3p-miR	22	+	41633872	41633891	ACACGCAGGCGCGAGGGCAA	21924
TJU_CMC_MD2.ID02232.3p-miR	22	+	41732203	41732224	CAGCTCTCCCAGCCCAACTTCC	21925
TJU_CMC_MD2.ID02233.3p-miR	22	+	42305991	42306011	GGGGCCCGGCGCGGCAGGGGG	21926
TJU_CMC_MD2.ID02234.5p-miR	22	+	42475743	42475763	GGTGCCCGGGTGAGGGGCGGA	21927
TJU_CMC_MD2.ID02235.5p-miR	22	+	42739442	42739463	CGCCCACCCCCCGCCCCCCGCC	21928
TJU_CMC_MD2.ID02236.3p-miR	22	+	43011374	43011396	GATGCCTGGGAGTTGCGATCTGC	21929
TJU_CMC_MD2.ID02236.5p-miR	22	+	43011319	43011340	GACGAATTTTTGAGCGGGTAAA	21930
TJU_CMC_MD2.ID02237.3p-miR	22	-	43019894	43019914	CCTGGCCCTGTCCCCTGCAGA	21931
TJU_CMC_MD2.ID02237.5p-miR	22	-	43019927	43019949	TCCAGGGGCAGTCTGCCACCCAT	21932
TJU_CMC_MD2.ID02238.5p-miR	22	+	43058685	43058707	GTCCAGGCGCCCTCTGGATCCGG	21933
TJU_CMC_MD2.ID02239.3p-miR	22	-	43547395	43547414	CACCTCTCCCGCGGGACGCG	21934
TJU_CMC_MD2.ID02240.3p-miR	22	+	43807907	43807926	CGGGCGGCGGCGGGGCGGGGG	21935

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TJU_CMC_MD2.ID02242.3p-miR	22	-	45064305	45064327	GATCGGCCCGTGACGCCCTCACC	21936
TJU_CMC_MD2.ID02243.5p-miR	22	-	45596874	45596897	AGGAGGGAGGAGATGGGCCAAGTT	21937
TJU_CMC_MD2.ID02244.3p-miR	22	+	45872546	45872566	GCTACATAGTGAGACTCCTGT	21938
TJU_CMC_MD2.ID02245.5p-miR	22	+	46068200	46068219	ACCCAGGCCTCCCGACTCCC	21939
TJU_CMC_MD2.ID02246.3p-miR	22	+	46323266	46323286	CCCATCTCACTCTTGCCCATC	21940
TJU_CMC_MD2.ID02247.3p-miR	22	-	46546163	46546183	CCTAGCGCCCCGCGGCCGCTG	21941
TJU_CMC_MD2.ID02248.5p-miR	22	-	46684295	46684314	GACATGGGGAGGAGACCCAG	21942
TJU_CMC_MD2.ID02249.3p-miR	22	-	46873301	46873323	TTTCTTGTGGTCAGACGTTTGGA	21943
TJU_CMC_MD2.ID02250.3p-miR	22	+	46932499	46932522	GCGCGCCGCAGGGCGCACAGCAGA	21944
TJU_CMC_MD2.ID02251.5p-miR	22	+	46973072	46973093	CCGGCTCCCCGGCGCCGCTGGG	21945
TJU_CMC_MD2.ID02252.3p-miR	22	+	47167351	47167371	TATACTGAACAGTGCACCCGA	21946
TJU_CMC_MD2.ID02254.5p-miR	22	+	50221263	50221283	CGCCGCCGCTCCTGGGCGCGG	21947
TJU_CMC_MD2.ID02255.5p-miR	22	+	50242897	50242917	GGTTCGTGCGGACCGTGGGGT	21948
TJU_CMC_MD2.ID02256.3p-miR	22	+	50247500	50247521	CGGCGGCGTCGCGGGCGGCGGG	21949
TJU_CMC_MD2.ID02257.3p-miR	22	+	50312367	50312388	CGGCCGCAGGACCTGGAGCTCC	21950
TJU_CMC_MD2.ID02258.3p-miR	22	+	50330770	50330792	CCCAGCCTGCTGTCCCAGGTGAA	21951
TJU_CMC_MD2.ID02259.5p-miR	22	-	50353856	50353878	TCTGCGTCCCCGGCTGTCTGCGC	21952
TJU_CMC_MD2.ID02260.5p-miR	22	-	50608823	50608844	CGGGCCGGGGCGGCGGCGGGGG	21953
TJU_CMC_MD2.ID02261.5p-miR	22	-	50684406	50684428	GGCCATGGCCTGCAGGGCCCCCA	21954
TJU_CMC_MD2.ID02262.3p-miR	22	-	50744254	50744276	GGAGGAGCTCTGGGCCCACCCAG	21955
TJU_CMC_MD2.ID02263.3p-miR	22	-	50747038	50747058	CGGGAGGGCAGTGGAGGCGTG	21956
TJU_CMC_MD2.ID02264.3p-miR	22	+	50757156	50757177	CTCACCCCTGTGGCACTCTGGG	21957
TJU_CMC_MD2.ID02264.5p-miR	22	+	50757117	50757138	TCTGGGTGCCTCCACGGAGTGG	21958
TJU_CMC_MD2.ID02265.5p-miR	22	+	50845885	50845907	CAGGTGGAGGTGTGAGGTCCTGG	21959
TJU_CMC_MD2.ID02266.5p-miR	22	+	50904068	50904087	CTGCTTCTGCTACTGGAGCC	21960
TJU_CMC_MD2.ID02267.3p-miR	22	-	50943557	50943580	GGACCCAGGTGCGGGGCTGGCTAC	21961
TJU_CMC_MD2.ID02268.3p-miR	22	-	50970203	50970225	GACGCTAACTCGGATGCTCCCAG	21962
TJU_CMC_MD2.ID02269.3p-miR	22	+	51113079	51113101	CCCGGGGCCAGCGCCGTGGTCGT	21963
TJU_CMC_MD2.ID02270.3p-miR	22	+	51169352	51169375	TCACGCCCCCCACCATCCTCAAGT	21964
TJU_CMC_MD2.ID02271.3p-miR	3	-	3168413	3168432	GGGGGCCCTGAGGAAACCGG	21965

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TJU_CMC_MD2.ID02272.5p-miR	3	+	3841168	3841188	GAGGCCCGTGCGCCCGCGGCT	21966
TJU_CMC_MD2.ID02273.3p-miR	3	+	4879262	4879283	TATCTTATGGATAGGAAGCAGG	21967
TJU_CMC_MD2.ID02274.3p-miR	3	+	5022189	5022209	AGACTGGCGGATCAGAGCTGG	21968
TJU_CMC_MD2.ID02275.5p-miR	3	+	5164015	5164034	CCCGCCGGTGTCCGCCCGTG	21969
TJU_CMC_MD2.ID02276.3p-miR	3	+	5200831	5200852	AAAAGTGAGCCAGACGTGGTAG	21970
TJU_CMC_MD2.ID02276.5p-miR	3	+	5200792	5200812	CACGCCTGGCTCAAATTTTGT	21971
TJU_CMC_MD2.ID02277.3p-miR	3	-	7127768	7127788	TTAGCAATCATTAGACATATT	21972
TJU_CMC_MD2.ID02277.5p-miR	3	-	7127803	7127823	ATGTGCCTAATGACTGCTAGT	21973
TJU_CMC_MD2.ID02278.5p-miR	3	+	9439318	9439337	CAGCGGGCTGAGTGAGCTGC	21974
TJU_CMC_MD2.ID02279.3p-miR	3	-	9803222	9803243	ACCACGTCCTCTTCCCTCCACA	21975
TJU_CMC_MD2.ID02280.3p-miR	3	-	9811463	9811482	GCGCTGCGTGGGGGCGGTGG	21976
TJU_CMC_MD2.ID02280.5p-miR	3	-	9811558	9811580	GCGGCCACAGCTCGGCGCCAACC	21977
TJU_CMC_MD2.ID02281.5p-miR	3	+	9834800	9834821	CCCGCGATGGTGAGAGAGCCGG	21978
TJU_CMC_MD2.ID02284.3p-miR	3	+	9933595	9933617	CTCTGCCAATACCTTCTCCCGCC	21979
TJU_CMC_MD2.ID02285.5p-miR	3	-	12994564	12994585	ACTGAGGGGATGAAGGATCAGG	21980
TJU_CMC_MD2.ID02286.3p-miR	3	-	13035444	13035466	GCTCCGCCCCCGGGGCCGCGGTT	21981
TJU_CMC_MD2.ID02287.5p-miR	3	-	13324699	13324721	AGCTCCGCGCCCTGCCGCCCCGG	21982
TJU_CMC_MD2.ID02288.5p-miR	3	-	13363093	13363115	TGGTGCCCCGGAGGTTCTGGAGA	21983
TJU_CMC_MD2.ID02289.3p-miR	3	-	14797640	14797663	TTTAGCATTTTACAGCATCACAGT	21984
TJU_CMC_MD2.ID02289.5p-miR	3	-	14797681	14797702	TACTGTAAAATGCTAAACATGA	21985
TJU_CMC_MD2.ID02290.3p-miR	3	+	14797686	14797706	TTTAGCATTTTACAGTATCCA	21986
TJU_CMC_MD2.ID02290.5p-miR	3	+	14797646	14797667	ATGCTGTAAAATGCTAAACATG	21987
TJU_CMC_MD2.ID02291.3p-miR	3	-	15124088	15124110	CTCACCAGTGCCAGCAAGGAGTC	21988
TJU_CMC_MD2.ID02291.5p-miR	3	-	15124127	15124147	GTCATTGCTGCCTGTTGGTGT	21989
TJU_CMC_MD2.ID02292.5p-miR	3	+	16555127	16555149	TGCGTCTGTCCCTCGCCGGAGCC	21990
TJU_CMC_MD2.ID02293.3p-miR	3	-	17783607	17783628	TGCCTGCTTTCCCTGCCCCAGG	21991
TJU_CMC_MD2.ID02294.5p-miR	3	+	20081688	20081711	CGGCGGCAGCGGCAGCGGAGCCGC	21992

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TJU_CMC_MD2.ID02295.3p-miR	3	-	23958364	23958386	AGCGTCGGCGACTGTCTCTCCGC	21993
TJU_CMC_MD2.ID02295.5p-miR	3	-	23958395	23958414	TTGGCGGCGAGGTCTCGGCG	21994
TJU_CMC_MD2.ID02296.5p-miR	3	-	24536785	24536804	GCGGCGGCGGCGGGGTGTGC	21995
TJU_CMC_MD2.ID02297.3p-miR	3	-	25705933	25705952	CGGCTGGACGTCCGCTCCGG	21996
TJU_CMC_MD2.ID02298.3p-miR	3	-	27314020	27314042	TGTTTCGTTGTCAAATACCCTGT	21997
TJU_CMC_MD2.ID02299.5p-miR	3	-	31203246	31203266	TGTGTTGCATGTGTGTATATG	21998
TJU_CMC_MD2.ID02300.3p-miR	3	+	32544304	32544327	CCCGGTAGCCGGGAGGCGGCCGTC	21999
TJU_CMC_MD2.ID02301.5p-miR	3	+	33155602	33155623	GCTAGCGCTGCTGTGCGTGGCC	22000
TJU_CMC_MD2.ID02302.3p-miR	3	+	38064437	38064460	AAAAACTGTGATTACTTTTGCATC	22001
TJU_CMC_MD2.ID02303.5p-miR	3	+	38367136	38367158	CTGCATCTCAGGTCTGCACCTCT	22002
TJU_CMC_MD2.ID02304.5p-miR	3	-	39306417	39306437	ATTCCCAGGGAAGTGCTCTGA	22003
TJU_CMC_MD2.ID02305.3p-miR	3	+	40003094	40003116	CACACTGGCCTTACTTCCTGACC	22004
TJU_CMC_MD2.ID02306.3p-miR	3	-	40730993	40731014	CTTTGTCTCTCTGATGGAGTTT	22005
TJU_CMC_MD2.ID02307.3p-miR	3	-	41013847	41013867	TTTTTAATTGGTATGTTGATA	22006
TJU_CMC_MD2.ID02308.3p-miR	3	-	41240641	41240663	TCCCCTGTCCCAAGCCCGACGCC	22007
TJU_CMC_MD2.ID02309.3p-miR	3	+	41241366	41241388	GCGCTGCCTCTCTGGGGCCCTGG	22008
TJU_CMC_MD2.ID02310.3p-miR	3	+	42696019	42696039	CGCGGCCCTGCGCCTCCGCCT	22009
TJU_CMC_MD2.ID02311.3p-miR	3	-	43663355	43663376	CCCCCCAGCTGTCCGCAGCAGA	22010
TJU_CMC_MD2.ID02312.5p-miR	3	-	44620854	44620873	CAGCAGGCCCTGAATCAGGA	22011
TJU_CMC_MD2.ID02313.3p-miR	3	+	44666867	44666888	ACCGGTGCTCCCTGTCTAACGGA	22012
TJU_CMC_MD2.ID02314.3p-miR	3	-	44970315	44970336	CCTTGAGCCCCCAGGGCAGCAG	22013
TJU_CMC_MD2.ID02315.3p-miR	3	-	44997789	44997811	GGTGGGCAGTAGATAGTCAGTCT	22014
TJU_CMC_MD2.ID02316.3p-miR	3	+	45159613	45159634	ACAGTACCTGGGTTCTTCTCCT	22015
TJU_CMC_MD2.ID02317.3p-miR	3	-	45267234	45267254	GCTGGGGCCGCCCGCGGGGCT	22016
TJU_CMC_MD2.ID02318.5p-miR	3	+	45720138	45720160	CTCTGCCTCCTCACCTTGCACCC	22017
TJU_CMC_MD2.ID02319.3p-miR	3	-	45971952	45971973	CCAAGTGATTCCAATGAGCAGC	22018
TJU_CMC_MD2.ID02320.3p-miR	3	+	47043840	47043861	CTCCTCTGCCCAATCCTCCAGG	22019
TJU_CMC_MD2.ID02321.5p-miR	3	-	48462089	48462112	GCCTCGTGTGATGCTGGGCCCATG	22020
TJU_CMC_MD2.ID02322.5p-miR	3	-	48643131	48643150	CCTGAGGATGAAGGTCAGAA	22021
TJU_CMC_MD2.ID02323.3p-miR	3	-	48672838	48672859	CAGGAGCAGCCCGCACCGGACA	22022

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TJU_CMC_MD2.ID02324.3p-miR	3	-	48717662	48717683	TGCCTTGCCCTCTCCCTCTAGG	22023
TJU_CMC_MD2.ID02325.3p-miR	3	+	49058107	49058130	GCTGCTTTTGGGATTCCGTTGCCC	22024
TJU_CMC_MD2.ID02325.5p-miR	3	+	49058066	49058088	GGACGAAATCCAAGCGCAGCTGG	22025
TJU_CMC_MD2.ID02326.5p-miR	3	+	49377609	49377628	CCGCTCTCGCGCCACCTAGC	22026
TJU_CMC_MD2.ID02327.5p-miR	3	-	49823929	49823949	CCCAGTGGGCAGCGCCGGGAG	22027
TJU_CMC_MD2.ID02328.5p-miR	3	-	49843635	49843657	CTGGGATGGGGGTTGGGGGGAGG	22028
TJU_CMC_MD2.ID02329.3p-miR	3	+	49843639	49843660	CCCCCAACCCCCATCCCAGTTA	22029
TJU_CMC_MD2.ID02330.3p-miR	3	-	49928755	49928774	TGTGCCCTTGCCCACCAACC	22030
TJU_CMC_MD2.ID02331.3p-miR	3	-	50336294	50336315	CGGATCCTGGGGCTTCCTCCCT	22031
TJU_CMC_MD2.ID02332.3p-miR	3	-	50395987	50396009	CCAGGTGCGCGTCAGTGTGATGC	22032
TJU_CMC_MD2.ID02333.3p-miR	3	+	50426626	50426647	TCGGCCTTTCCCTGCGCCCGGC	22033
TJU_CMC_MD2.ID02334.5p-miR	3	-	50605109	50605130	CGCCGTGGGTCCCGGCCCTACC	22034
TJU_CMC_MD2.ID02335.5p-miR	3	-	50686432	50686454	TCGCCTTCCCCAACCTCAGGTCT	22035
TJU_CMC_MD2.ID02336.3p-miR	3	+	51229432	51229452	TAGAGTAAACAGACAACCTCT	22036
TJU_CMC_MD2.ID02337.3p-miR	3	+	52091576	52091596	CAGGCGGGGCAGCGGAGGTGA	22037
TJU_CMC_MD2.ID02338.3p-miR	3	+	52428009	52428030	CCTTCTCGAGCCTTGAGTGTGC	22038
TJU_CMC_MD2.ID02338.5p-miR	3	+	52427971	52427990	GGCTCAAGGTTCAAGAAGGC	22039
TJU_CMC_MD2.ID02339.5p-miR	3	-	52479043	52479065	GCGGTGCCCTCAGTTCCCCAGCA	22040
TJU_CMC_MD2.ID02340.3p-miR	3	+	52525344	52525365	CCTGACCAGCCCCCTTCTCGTGC	22041
TJU_CMC_MD2.ID02342.5p-miR	3	-	52567521	52567543	GACATGCGGAGACTGGTGCACGG	22042
TJU_CMC_MD2.ID02343.3p-miR	3	-	52715085	52715106	TTCCTCATAATTGTAAGGCACA	22043
TJU_CMC_MD2.ID02344.3p-miR	3	-	53080371	53080394	CTCGGGGCCACAGCGCCGTCGGGG	22044
TJU_CMC_MD2.ID02345.3p-miR	3	+	53222715	53222736	TTACCTGTCCCCTGTCCTTAGG	22045
TJU_CMC_MD2.ID02346.3p-miR	3	-	53365961	53365981	AACACAAATATTTTGCACCAA	22046
TJU_CMC_MD2.ID02348.3p-miR	3	-	56795231	56795253	CCTGCCCATCACCCATGTGCTGT	22047
TJU_CMC_MD2.ID02348.5p-miR	3	-	56795266	56795287	AGCTCATGGTATGTGGTCAGTG	22048
TJU_CMC_MD2.ID02349.3p-miR	3	-	57113282	57113302	CGCGGTGAGTTTTCCAGCCTG	22049
TJU_CMC_MD2.ID02350.5p-miR	3	+	57678786	57678806	CGCGCCGCAGAGCGCGCTTGC	22050
TJU_CMC_MD2.ID02351.5p-miR	3	-	58272503	58272523	ACACCTATATATATCTAAGCT	22051
TJU_CMC_MD2.ID02352.5p-miR	3	-	58553126	58553149	AGGCTGGGGGAAGCGGGAAGGTGA	22052

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TJU_CMC_MD2.ID02353.3p-miR	3	-	65163327	65163347	TAGCACCATTTCTGGCTTCAA	22053
TJU_CMC_MD2.ID02354.3p-miR	3	-	71591151	71591171	AAAGCCCATGTTTGTATTGGA	22054
TJU_CMC_MD2.ID02355.3p-miR	3	-	71770399	71770420	CCTAGCACAAGTCAGTCCGCAC	22055
TJU_CMC_MD2.ID02355.5p-miR	3	-	71770433	71770454	CCCGGATGCCTTGTCCTTAGCT	22056
TJU_CMC_MD2.ID02356.3p-miR	3	-	74663812	74663832	CCGGAGTGGCGGAGGCACGGG	22057
TJU_CMC_MD2.ID02357.3p-miR	3	+	93692672	93692693	GAGCCTGTGCGCCTCGGTCTGA	22058
TJU_CMC_MD2.ID02358.3p-miR	3	+	94659179	94659198	CCTATAGCATAATAATGTTA	22059
TJU_CMC_MD2.ID02359.5p-miR	3	+	96802933	96802954	TGTGTGTGCATGGATATATATA	22060
TJU_CMC_MD2.ID02360.5p-miR	3	+	97596517	97596539	AAGGAGATCTGAGAGCTGGAAGT	22061
TJU_CMC_MD2.ID02361.3p-miR	3	-	98312152	98312172	CCGCGGGCTGGGGCACGGCTC	22062
TJU_CMC_MD2.ID02362.5p-miR	3	+	99980057	99980076	CTGCCAGCTGGGTGCCCCCT	22063
TJU_CMC_MD2.ID02363.5p-miR	3	+	101568381	101568404	GCCGACAGCTCCCTGAGCCAGCCC	22064
TJU_CMC_MD2.ID02366.3p-miR	3	+	112280591	112280613	CCCAGGCAGCCCGCGACGGACCG	22065
TJU_CMC_MD2.ID02368.3p-miR	3	+	113415230	113415252	GGTCTCGGCCGCGGTGGCGGCGG	22066
TJU_CMC_MD2.ID02369.5p-miR	3	+	114024856	114024878	TGGCTCAGTTCAAGTCCAACAGC	22067
TJU_CMC_MD2.ID02370.3p-miR	3	+	114865883	114865905	AGCTCAGGGCCCGCTGGCTCGCC	22068
TJU_CMC_MD2.ID02371.5p-miR	3	-	117116399	117116419	CTTGGATCCTCAACACACCCA	22069
TJU_CMC_MD2.ID02372.3p-miR	3	+	119187990	119188011	TCGGGGTCTGGCCGGAGTCCCG	22070
TJU_CMC_MD2.ID02373.5p-miR	3	+	120768498	120768517	CTTATCCTGCAAGGTGCTGC	22071
TJU_CMC_MD2.ID02374.3p-miR	3	+	121466215	121466235	CGTATATGTCTATATACGTAT	22072
TJU_CMC_MD2.ID02375.3p-miR	3	+	122399720	122399743	CGGAGCTGAGGATGGCTGTGCCCG	22073
TJU_CMC_MD2.ID02376.3p-miR	3	-	122692549	122692569	TGCCCTCCTTGGGAATCTACA	22074
TJU_CMC_MD2.ID02376.5p-miR	3	-	122692586	122692608	GCAGATTCCCAGAGTGGGACAGG	22075
TJU_CMC_MD2.ID02378.5p-miR	3	-	123135571	123135591	GTCCGTAATGGGGCAGTGAGG	22076
TJU_CMC_MD2.ID02379.3p-miR	3	+	123811986	123812009	TCCCTCTCCCTCCTTGCTCCTACC	22077
TJU_CMC_MD2.ID02380.5p-miR	3	+	124451297	124451317	AAAATGCAGAATCCATTTCTG	22078

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TJU_CMC_MD2.ID02381.3p-miR	3	-	124605440	124605463	CTGCCTTGGGGCCCGGGCTCTCCG	22079
TJU_CMC_MD2.ID02382.3p-miR	3	+	124774846	124774869	CTGCGAGCGCGCTCCCCGCCTCAA	22080
TJU_CMC_MD2.ID02383.5p-miR	3	+	124777746	124777766	ACCGATGTTCAGCTCAGTAGG	22081
TJU_CMC_MD2.ID02384.5p-miR	3	-	124870362	124870383	TGCCAAAGCCAGTGGGGACTGG	22082
TJU_CMC_MD2.ID02385.3p-miR	3	+	125846583	125846602	GGCACCGCGTGCAGGCACAG	22083
TJU_CMC_MD2.ID02386.3p-miR	3	+	125986048	125986069	TGCGCACATCCCCAGGGCCGAA	22084
TJU_CMC_MD2.ID02387.5p-miR	3	-	126403939	126403958	CAGGCAGTGCCCCGTAGAGA	22085
TJU_CMC_MD2.ID02388.3p-miR	3	+	126423282	126423302	GCGGGCGCGGGGGGGAGGTGC	22086
TJU_CMC_MD2.ID02391.3p-miR	3	-	128200787	128200808	GACGCTGCCTTGCCCTCCCAGT	22087
TJU_CMC_MD2.ID02392.3p-miR	3	-	128205919	128205941	TCACTCCCCCTTCCTCGCGCAGG	22088
TJU_CMC_MD2.ID02393.5p-miR	3	+	128274479	128274500	TTCTTGCCATCCTCAGCGCTGG	22089
TJU_CMC_MD2.ID02394.5p-miR	3	+	128543409	128543429	AGGTCCTGAAGCTGATGCCTG	22090
TJU_CMC_MD2.ID02395.3p-miR	3	-	128735316	128735337	CCCATGAGCTCCACCTGCCTGC	22091
TJU_CMC_MD2.ID02396.3p-miR	3	+	128735380	128735401	CCCGTGAGCTCCACCTGCCTGC	22092
TJU_CMC_MD2.ID02396.5p-miR	3	+	128735318	128735339	AGGCAGGTGGAGCTCATGGGCA	22093
TJU_CMC_MD2.ID02397.3p-miR	3	-	129034231	129034252	AGAAGCCGGAGCAGCGCTCGCA	22094
TJU_CMC_MD2.ID02398.3p-miR	3	+	129324505	129324525	GCCGTGGGGCAGGCAGATGCG	22095
TJU_CMC_MD2.ID02399.3p-miR	3	-	129324821	129324843	ACCGGTTACGGCAGCTCCTTCTT	22096
TJU_CMC_MD2.ID02400.5p-miR	3	+	130612917	130612938	GAGGCGGGAGCAGACCAGCACG	22097
TJU_CMC_MD2.ID02401.3p-miR	3	+	130745738	130745761	TGGCCCGCGGTGTCTGGCGCTCGG	22098
TJU_CMC_MD2.ID02402.3p-miR	3	-	131704705	131704726	TAACAGGATGATGGCCTAAACA	22099
TJU_CMC_MD2.ID02403.3p-miR	3	-	135150220	135150242	TGTAAGTCAAGTCTGAAGGTGCC	22100
TJU_CMC_MD2.ID02404.3p-miR	3	+	138553920	138553942	TCTACCGTTGCCAGCCCGGCTGC	22101
TJU_CMC_MD2.ID02405.5p-miR	3	+	139027864	139027887	AACACCATTTCCTCTCTGCTCCTC	22102
TJU_CMC_MD2.ID02406.5p-miR	3	+	141098320	141098340	GTGCCTTAGTTATTAGAGGGA	22103
TJU_CMC_MD2.ID02407.3p-miR	3	+	141944538	141944560	TCGCCAGCCATGCTCAGCCTCCA	22104
TJU_CMC_MD2.ID02408.3p-miR	3	-	142802225	142802246	CAATGTCTGTGCTAAAGAAGCC	22105
TJU_CMC_MD2.ID02409.3p-miR	3	+	142802273	142802293	CATGTCCGTGCTAAAGAAGCC	22106
TJU_CMC_MD2.ID02410.3p-miR	3	-	143136936	143136958	TGAGTGATAATCTGGGCATCTGG	22107

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TJU_CMC_MD2.ID02410.5p-miR	3	-	143136971	143136992	TGCCCGGATTATCACTTACTAG	22108
TJU_CMC_MD2.ID02411.3p-miR	3	-	143501967	143501988	AGGTTGTAGGATGCTAAACAGA	22109
TJU_CMC_MD2.ID02411.5p-miR	3	-	143502001	143502022	TGTTTAGCATCCTGTAGCCTGC	22110
TJU_CMC_MD2.ID02413.5p-miR	3	-	148815956	148815975	GCCGGCGGGAGTTCCGGGTG	22111
TJU_CMC_MD2.ID02414.3p-miR	3	-	149375551	149375573	CTCAGCTTCGCTGCCCGCCCAGG	22112
TJU_CMC_MD2.ID02415.3p-miR	3	-	149626232	149626253	ATGTCTACTGTGATACAGTCAA	22113
TJU_CMC_MD2.ID02416.5p-miR	3	-	150264087	150264106	CGGCTTGTGCTCAGACCTCG	22114
TJU_CMC_MD2.ID02417.5p-miR	3	+	151126970	151126992	AGAAGCTCAAATCAAGCCCTTGC	22115
TJU_CMC_MD2.ID02418.3p-miR	3	-	156877903	156877923	GTTCCGGCTGCGTTGGGCTTG	22116
TJU_CMC_MD2.ID02420.5p-miR	3	+	159000448	159000469	TACTGAGTCCTTTGTTCTCTAC	22117
TJU_CMC_MD2.ID02421.5p-miR	3	-	159900463	159900484	TAGCATATAATTACAACTCTGA	22118
TJU_CMC_MD2.ID02422.3p-miR	3	+	159900466	159900486	GAGTTGTAATTATATGCTATT	22119
TJU_CMC_MD2.ID02422.5p-miR	3	+	159900422	159900443	TGGCATATAATTACAACTTTGT	22120
TJU_CMC_MD2.ID02423.5p-miR	3	+	159944063	159944083	TCAGCCCCGGGGAGGTCGTGC	22121
TJU_CMC_MD2.ID02424.3p-miR	3	-	161361809	161361829	CCAGAGCAGTATATCGCCCCT	22122
TJU_CMC_MD2.ID02425.3p-miR	3	+	161558635	161558655	TGTATATACTTGTGCATATAT	22123
TJU_CMC_MD2.ID02426.5p-miR	3	-	162482812	162482833	TTTCAGTAACTCAAATAAAAAA	22124
TJU_CMC_MD2.ID02427.3p-miR	3	-	163889271	163889292	TCAGTATGCCATGTTGCCATAT	22125
TJU_CMC_MD2.ID02428.3p-miR	3	+	169380767	169380788	TCCTCTTCTCTTCCCCCCCACC	22126
TJU_CMC_MD2.ID02429.3p-miR	3	+	178789678	178789700	CCCGGCAGCGGTGGCAGCGGTAG	22127
TJU_CMC_MD2.ID02430.3p-miR	3	+	178866299	178866321	CGCCCGCTCTCCTCTCCCTCGGC	22128
TJU_CMC_MD2.ID02431.3p-miR	3	+	179065696	179065715	GACGAGGCGCCGCCCGCCGC	22129
TJU_CMC_MD2.ID02432.3p-miR	3	-	183536839	183536861	CAGGCCCAGCTAGCTGGACACTT	22130
TJU_CMC_MD2.ID02433.5p-miR	3	+	183948561	183948583	GCCGAGGTGGTGTCCGGCTTCGA	22131
TJU_CMC_MD2.ID02434.3p-miR	3	+	184017092	184017112	CCCAGCAGTCTCCAGCGGCGG	22132
TJU_CMC_MD2.ID02434.5p-miR	3	+	184017047	184017070	CGGCGGAGATGGAGGAGGGAGGCC	22133
TJU_CMC_MD2.ID02435.5p-miR	3	-	184429820	184429839	CGCGCGGGCGCGGACTGAGG	22134
TJU_CMC_MD2.ID02436.3p-miR	3	+	186545460	186545481	CCGCCAGCGCCGGCTGCCCAGC	22135
TJU_CMC_MD2.ID02437.3p-miR	3	+	186793324	186793345	TGACTCACCTCTGCTCCCCTCT	22136

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TJU_CMC_MD2.ID02438.5p-miR	3	+	189547726	189547747	CATCTGATATACAATATTTTCT	22137
TJU_CMC_MD2.ID02439.5p-miR	3	-	189547762	189547783	CATCCGATGTACAATAATTTCT	22138
TJU_CMC_MD2.ID02440.3p-miR	3	+	189900568	189900589	GAATTATAACTCGGTGCTCTGT	22139
TJU_CMC_MD2.ID02442.5p-miR	3	+	194407588	194407611	GCTGGCCGAGGCGCCGCCGCGGCA	22140
TJU_CMC_MD2.ID02443.3p-miR	3	+	194750297	194750319	TAATACCATCCATTATTTTGTGG	22141
TJU_CMC_MD2.ID02444.5p-miR	3	+	195459965	195459986	TGGCGAGCTCATGGGCCAGATG	22142
TJU_CMC_MD2.ID02445.3p-miR	3	-	195603603	195603622	CCGTCGAAGGCCCCCGTTGG	22143
TJU_CMC_MD2.ID02446.5p-miR	3	-	195627512	195627534	CCCAGACAGCTGCAGCAATGTGT	22144
TJU_CMC_MD2.ID02447.5p-miR	3	-	195808917	195808940	GCGGCTCGGGACGGAGGACGCGCT	22145
TJU_CMC_MD2.ID02448.5p-miR	3	+	196045283	196045304	CGGGGCCTGAGGCTCCTGGACT	22146
TJU_CMC_MD2.ID02449.3p-miR	3	+	196594812	196594831	GCCGCGGCGAACAGGCCGGA	22147
TJU_CMC_MD2.ID02450.3p-miR	3	-	196695728	196695748	TCCTCCTCCCTCCCGGCCCGC	22148
TJU_CMC_MD2.ID02451.5p-miR	3	+	197476772	197476793	CGCGAGTGGGAGGTGGCAGGCC	22149
TJU_CMC_MD2.ID02452.3p-miR	3	+	197518135	197518154	GTTGTCGGCTGGGAAATGGC	22150
TJU_CMC_MD2.ID02453.3p-miR	3	-	197750689	197750710	CAAAACCACAATTACTCTTCCA	22151
TJU_CMC_MD2.ID02453.5p-miR	3	-	197750723	197750745	CAGAAGTAATTGCGGTTTTCGCA	22152
TJU_CMC_MD2.ID02455.3p-miR	4	-	570113	570136	AGCCTCCTGGGAGGGGCCCCGCGG	22153
TJU_CMC_MD2.ID02456.3p-miR	4	+	1005691	1005713	GCCGCGGGCCCGGCCCTGACCCC	22154
TJU_CMC_MD2.ID02457.3p-miR	4	-	1006330	1006351	TCGGGCGGCGGCGGCCGGCGGG	22155
TJU_CMC_MD2.ID02458.3p-miR	4	-	1242101	1242121	CAGACCGGGCCCAAAGCGCAG	22156
TJU_CMC_MD2.ID02459.5p-miR	4	+	1506945	1506965	CCCCCTGCCCTGCCTCCTGAT	22157
TJU_CMC_MD2.ID02460.5p-miR	4	-	1554144	1554165	GGACCTGGGTCTGGGCGGGGTC	22158
TJU_CMC_MD2.ID02461.5p-miR	4	-	1581576	1581598	AGGCCTGATGGGTGGATGCCCCG	22159
TJU_CMC_MD2.ID02462.5p-miR	4	-	1613151	1613173	TGAGGAGCCTCTGTGACCTGAGC	22160
TJU_CMC_MD2.ID02463.3p-miR	4	-	1713718	1713738	CGACCGCGTCCCTCCCCGCAG	22161
TJU_CMC_MD2.ID02464.5p-miR	4	-	1714218	1714240	GAGGGCCGGGCAGTCGGGCTTCG	22162
TJU_CMC_MD2.ID02465.3p-miR	4	+	1737267	1737288	AGCCCAGGATGAAACTCTGACA	22163
TJU_CMC_MD2.ID02466.3p-miR	4	-	1799887	1799906	CCTCCCCAGTAGCTGCCCAG	22164
TJU_CMC_MD2.ID02467.3p-miR	4	+	1858125	1858145	CGTACCGTGGACGCCGGGGCT	22165
TJU_CMC_MD2.ID02468.5p-miR	4	-	2252103	2252124	CCCGCTTGCCGGTCAGGGCCTG	22166

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TJU_CMC_MD2.ID02469.3p-miR	4	-	2464256	2464277	CTGCTGCGCTCGGCCGCCCTCT	22167
TJU_CMC_MD2.ID02470.3p-miR	4	-	2537986	2538005	GTAGGGCTAGGCCGGCAGGA	22168
TJU_CMC_MD2.ID02471.3p-miR	4	-	2758020	2758039	GCCTCCCGGGCGGGCCTACA	22169
TJU_CMC_MD2.ID02472.3p-miR	4	+	2797019	2797042	GAGTGGCCAGTGTTGGGCAGCCCC	22170
TJU_CMC_MD2.ID02473.3p-miR	4	-	2845382	2845404	TCCCGCGCGGAGTACACCCCGGC	22171
TJU_CMC_MD2.ID02474.3p-miR	4	-	2945614	2945634	CATGGGGAAAAGCAGTGCTAC	22172
TJU_CMC_MD2.ID02476.3p-miR	4	-	4471376	4471397	ACTCACACCGCCTCTCAGGTAC	22173
TJU_CMC_MD2.ID02477.3p-miR	4	+	6474380	6474402	CCCCTCCCTCGCGCCGCCCGCTC	22174
TJU_CMC_MD2.ID02478.3p-miR	4	+	6576971	6576992	CCGCTCCTGTTGCTGCGACCGC	22175
TJU_CMC_MD2.ID02479.3p-miR	4	-	6660388	6660409	TGGGTCTTTGCGGGCTCTCGCC	22176
TJU_CMC_MD2.ID02480.5p-miR	4	+	6717918	6717937	AGTCGGGTGGTCGCGGGCCA	22177
TJU_CMC_MD2.ID02481.5p-miR	4	+	6785497	6785517	AGGCCCACAGTCATCCGTGCG	22178
TJU_CMC_MD2.ID02482.3p-miR	4	+	7105633	7105654	TCCCTGACTGGCTAGTCCACAA	22179
TJU_CMC_MD2.ID02483.3p-miR	4	-	7194872	7194892	CCGGGTAGGGGCCGCGGCGAG	22180
TJU_CMC_MD2.ID02484.3p-miR	4	-	7728904	7728924	GTCTTGCTGCTGGGTGACCTT	22181
TJU_CMC_MD2.ID02485.5p-miR	4	-	7740000	7740021	CGGCGGCACTTGCCCGACACGG	22182
TJU_CMC_MD2.ID02486.3p-miR	4	-	8024208	8024229	TGAGGTGGGCCAACATGGCTGT	22183
TJU_CMC_MD2.ID02487.5p-miR	4	-	8271525	8271544	GTCAGGGCGGCAGGGGCATC	22184
TJU_CMC_MD2.ID02489.3p-miR	4	+	9747398	9747418	CGTGCATGTCTGCATACGTGT	22185
TJU_CMC_MD2.ID02490.5p-miR	4	-	10080283	10080305	ACTTCCCCCACCTCACTGCCCGG	22186
TJU_CMC_MD2.ID02491.3p-miR	4	-	14410310	14410331	ATTAAATGAGTTAATACTTGCA	22187
TJU_CMC_MD2.ID02491.5p-miR	4	-	14410354	14410375	CATGTATTGATTCACTTAATCT	22188
TJU_CMC_MD2.ID02492.3p-miR	4	+	15004659	15004679	ACCACCCCGGCGGCGGCACGA	22189
TJU_CMC_MD2.ID02493.3p-miR	4	+	16228303	16228322	GCCGTGGCGGGCGACGGTTT	22190
TJU_CMC_MD2.ID02494.3p-miR	4	-	16228270	16228291	GAAGATGGCGGCTACCGTGGCG	22191
TJU_CMC_MD2.ID02496.5p-miR	4	+	17644661	17644680	GGCATGATGTGGGATGCCCG	22192
TJU_CMC_MD2.ID02498.5p-miR	4	-	25035221	25035242	GCCTACTTTCTGCACCATTCCT	22193
TJU_CMC_MD2.ID02499.3p-miR	4	-	25235546	25235566	GGGTCGTGGCGGCGGCGGCGG	22194
TJU_CMC_MD2.ID02500.3p-miR	4	+	25378900	25378921	CGCGGCCGGCAGAGGGAGGGGA	22195

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TJU_CMC_MD2.ID02501.3p-miR	4	+	26322455	26322474	GCAGCGAGCAGGATCCCCTA	22196
TJU_CMC_MD2.ID02502.3p-miR	4	+	26862476	26862497	CCGGTCTCGCCGCAGCAGCAGC	22197
TJU_CMC_MD2.ID02503.3p-miR	4	-	37246283	37246303	CAGGCGGCAGGGACCGTGCGA	22198
TJU_CMC_MD2.ID02504.5p-miR	4	+	37828445	37828465	ACCAGCAGGCGGGGAGCGCCT	22199
TJU_CMC_MD2.ID02505.5p-miR	4	+	37893021	37893044	GGCGTCGCGGCCGCCCCCTCCCGC	22200
TJU_CMC_MD2.ID02506.3p-miR	4	-	38326761	38326781	ACCTGGGCCAGTAGCTGTGGA	22201
TJU_CMC_MD2.ID02507.3p-miR	4	+	38726027	38726050	AACCCTCTAATCTCCCAGGCCACA	22202
TJU_CMC_MD2.ID02509.3p-miR	4	-	40057694	40057714	TCGGAGCCCCACGGGGAGACA	22203
TJU_CMC_MD2.ID02510.3p-miR	4	-	40232146	40232167	GCCGCAACATGGCGAAACCCCA	22204
TJU_CMC_MD2.ID02510.5p-miR	4	-	40232179	40232200	GGGTTTTGCCATGTTGCGGATA	22205
TJU_CMC_MD2.ID02511.3p-miR	4	+	40232181	40232202	TCCGCAACATGGCAAAACCCCA	22206
TJU_CMC_MD2.ID02512.3p-miR	4	+	42659755	42659778	GCTTGGGTGCATCTGGGCCCCGCC	22207
TJU_CMC_MD2.ID02513.5p-miR	4	-	46090802	46090823	AAACACACACACATGCCATT	22208
TJU_CMC_MD2.ID02515.3p-miR	4	+	48222181	48222202	GGATTGAGTTCTCCCCATCTCC	22209
TJU_CMC_MD2.ID02516.3p-miR	4	+	48343543	48343563	CCCAATCCCGGAGCCGGCGCA	22210
TJU_CMC_MD2.ID02517.3p-miR	4	+	48425690	48425710	TCAGCTTGACCAGTGGAGAGT	22211
TJU_CMC_MD2.ID02518.3p-miR	4	-	48781512	48781533	CGGCGGAGCGCGCCAGCCCAGC	22212
TJU_CMC_MD2.ID02519.3p-miR	4	+	52807557	52807578	TGGTTCAGTTCAGTGAAGGTGA	22213
TJU_CMC_MD2.ID02520.5p-miR	4	+	53528579	53528602	TTCGAGACCTCAGAAGCCTGGACT	22214
TJU_CMC_MD2.ID02521.5p-miR	4	+	55498798	55498818	GCGACCGGCTGGCCCTGCTGG	22215
TJU_CMC_MD2.ID02522.3p-miR	4	+	57333806	57333828	CGAGCGGCGGCAGCGGGGGGGGTG	22216
TJU_CMC_MD2.ID02523.3p-miR	4	+	58030412	58030435	TTCCCGGTCAGCGTCCTACGCGTG	22217
TJU_CMC_MD2.ID02524.5p-miR	4	-	66008147	66008168	ATAGAACAAAAACAGAAGAAAA	22218
TJU_CMC_MD2.ID02525.5p-miR	4	+	67142566	67142588	AGTTGGCATGGCTCAGTCCAAGT	22219
TJU_CMC_MD2.ID02526.3p-miR	4	-	69210012	69210032	TGTTATGCAGGGGTTGCAGAT	22220
TJU_CMC_MD2.ID02527.5p-miR	4	+	70538661	70538683	AGTACAGATCAAATAATCTGGTA	22221
TJU_CMC_MD2.ID02528.3p-miR	4	-	71522164	71522186	TGTGATGAAGACAGTGCTACAGA	22222
TJU_CMC_MD2.ID02528.5p-miR	4	-	71522193	71522215	AGATAGTTACTGCTACCCAGAGC	22223
TJU_CMC_MD2.ID02529.5p-miR	4	+	71554272	71554291	ACTCCGGTGGTAGGGGAGCG	22224

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TJU_CMC_MD2.ID02530.5p-miR	4	-	71705561	71705580	CAGCTGCCTTCAGGCCCTGC	22225
TJU_CMC_MD2.ID02531.3p-miR	4	-	74486077	74486099	CAGAGTTCCTGACCCAGCCGAGA	22226
TJU_CMC_MD2.ID02532.3p-miR	4	+	74965819	74965840	TAGACACCACCAGAAAAGGAGC	22227
TJU_CMC_MD2.ID02533.3p-miR	4	+	75858332	75858352	GCGCGGAGCACCGGAGGGCAC	22228
TJU_CMC_MD2.ID02534.5p-miR	4	-	76862138	76862159	ACCCGGGCTCCGACAGCGGCTG	22229
TJU_CMC_MD2.ID02537.5p-miR	4	-	77996586	77996605	GCGGGGGCTCGACGCGTCTC	22230
TJU_CMC_MD2.ID02538.3p-miR	4	+	79697725	79697746	TCGGAGGGCGGCAGCGGCGGCG	22231
TJU_CMC_MD2.ID02539.3p-miR	4	-	79860507	79860529	GAGCCGGGCCCTGGGCAGCAGCCG	22232
TJU_CMC_MD2.ID02540.3p-miR	4	-	79877555	79877577	CTGCCAAGCCATAGTGCTCCCTC	22233
TJU_CMC_MD2.ID02541.5p-miR	4	+	81124400	81124421	CGGCGGCCGCGGGGCCCTTGCA	22234
TJU_CMC_MD2.ID02542.5p-miR	4	+	81952353	81952376	ACCCTCGGCTCCGCCGCGGCTCC	22235
TJU_CMC_MD2.ID02543.3p-miR	4	+	83295511	83295534	CTCTGCGAAGGCTGTCGTGCCCCG	22236
TJU_CMC_MD2.ID02544.5p-miR	4	-	84205903	84205924	CAGCGCCATGCTGGGCTCGCGA	22237
TJU_CMC_MD2.ID02545.3p-miR	4	-	86594813	86594834	GTGGGGAGATCTAAGCATTGAG	22238
TJU_CMC_MD2.ID02545.5p-miR	4	-	86594848	86594870	ATGCTTAGATCCCCCCACTGGTG	22239
TJU_CMC_MD2.ID02546.5p-miR	4	+	86594817	86594839	ATGCTTAGATCTCCCCACTGGTA	22240
TJU_CMC_MD2.ID02547.5p-miR	4	-	87927994	87928014	CGGCAGGCAGGGTCGGGTAGG	22241
TJU_CMC_MD2.ID02548.5p-miR	4	+	88565829	88565848	CGACTCTATATACATAGCTG	22242
TJU_CMC_MD2.ID02549.3p-miR	4	+	94280922	94280942	CGCTACTGTTTCATTTGCTAA	22243
TJU_CMC_MD2.ID02550.3p-miR	4	-	98675854	98675875	TGAGAGTGGTGATTTATGGGGT	22244
TJU_CMC_MD2.ID02551.3p-miR	4	-	102251482	102251503	CTATCTTCTTTGCTCATCCTTG	22245
TJU_CMC_MD2.ID02552.3p-miR	4	+	103422602	103422622	CCGTCGGTCGGGCCGCCAGCC	22246
TJU_CMC_MD2.ID02553.3p-miR	4	-	103748574	103748596	CCCCGGCCCCTCTGTACGCGTGG	22247
TJU_CMC_MD2.ID02554.3p-miR	4	+	103790497	103790518	CTGCCTGGGGAACGCCTGTGAG	22248
TJU_CMC_MD2.ID02556.3p-miR	4	-	105885422	105885444	TGGGCTGTTACTGCTGGGACAGG	22249
TJU_CMC_MD2.ID02556.5p-miR	4	-	105885462	105885484	TGGGGCTCAGTGGTACCAGGACT	22250
TJU_CMC_MD2.ID02557.3p-miR	4	-	110354786	110354808	CCCACGCGCCCCACGCCCCGGGA	22251
TJU_CMC_MD2.ID02558.3p-miR	4	+	113208515	113208536	CCTATAAGAATCTAATGCCCCA	22252
TJU_CMC_MD2.ID02560.3p-miR	4	+	115577966	115577986	GGTTTCAATACTTTATCTGCT	22253

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02561.5p-miR	4	+	118198007	118198027	TGAGACAGAGTTTGGAGTCTC	22254
TJU_CMC_MD2.ID02562.3p-miR	4	+	125634185	125634206	CGAGTCGTTGCCCCCACCCTCC	22255
TJU_CMC_MD2.ID02564.3p-miR	4	-	129732790	129732811	CGCCCCCGCAACCCCCCACCCC	22256
TJU_CMC_MD2.ID02566.3p-miR	4	+	139956368	139956389	TCTCCTGGGCTCAGGCAACCCA	22257
TJU_CMC_MD2.ID02567.3p-miR	4	+	140657060	140657079	CCCGCGCGCGCCGCTCGGGA	22258
TJU_CMC_MD2.ID02568.3p-miR	4	-	141072163	141072184	CCCGCCCCGCCGCGCCCCCCAT	22259
TJU_CMC_MD2.ID02570.3p-miR	4	-	142557607	142557628	TGTCACTGCTTCCCGGCCTGTT	22260
TJU_CMC_MD2.ID02571.5p-miR	4	-	143768331	143768352	CGGCCTCAGTCACCCGCCGCGA	22261
TJU_CMC_MD2.ID02572.5p-miR	4	+	146540582	146540602	GCGTCCAGGAGTCGGGACTGG	22262
TJU_CMC_MD2.ID02573.5p-miR	4	+	147329760	147329781	TCAAGGCCAACAACTGACTACT	22263
TJU_CMC_MD2.ID02574.3p-miR	4	+	149365932	149365951	CGGCGGCGGCCGGGCCTCTG	22264
TJU_CMC_MD2.ID02575.3p-miR	4	+	149876555	149876575	CCTATTCCAATATCCCAAAGG	22265
TJU_CMC_MD2.ID02576.5p-miR	4	+	154095342	154095364	GGATTCTAAGTCAATGGCACTGC	22266
TJU_CMC_MD2.ID02577.3p-miR	4	-	156681267	156681289	TTCCCACGCTCAGGCCGGGTCGG	22267
TJU_CMC_MD2.ID02578.3p-miR	4	-	166594744	166594766	CCGCAATTACTTTTGCACCGACT	22268
TJU_CMC_MD2.ID02579.3p-miR	4	-	173993840	173993863	TGTCCTCATGATTCAACCACCTTT	22269
TJU_CMC_MD2.ID02579.5p-miR	4	-	173993889	173993909	TGGTTGAATCACAAGGACAGA	22270
TJU_CMC_MD2.ID02580.3p-miR	4	+	173993891	173993914	TGTCCTTGTGATTCAACCACCTTT	22271
TJU_CMC_MD2.ID02581.5p-miR	4	+	174091315	174091336	CCTCCTCCCCGCTGGGACAGCC	22272
TJU_CMC_MD2.ID02582.3p-miR	4	+	182243332	182243353	AGGCATTAGGTTAAAACCCAGA	22273
TJU_CMC_MD2.ID02583.5p-miR	4	-	184426596	184426616	CTCGGGGAGACTGTCACGGGA	22274
TJU_CMC_MD2.ID02584.3p-miR	4	+	184426596	184426617	TCCCGTGACAGTCTCCCCGAGC	22275
TJU_CMC_MD2.ID02585.5p-miR	4	+	184718497	184718520	CTCCTCCCGCGTCTCCGCCCCCGC	22276
TJU_CMC_MD2.ID02586.3p-miR	4	+	185747334	185747354	CGCGCGTGGCTGGCGGGTGGC	22277
TJU_CMC_MD2.ID02587.3p-miR	4	-	185772188	185772209	TACAGCCTCTTATGCTTTCCAA	22278
TJU_CMC_MD2.ID02588.3p-miR	4	+	185939319	185939338	CCCACACCTGCCGGGATGTC	22279
TJU_CMC_MD2.ID02589.5p-miR	4	+	187026083	187026103	GTCCTCGGGGAGGAGAGGGAG	22280
TJU_CMC_MD2.ID02590.3p-miR	4	-	187541585	187541606	AGGCGTTTGATGTGGTTGTAGA	22281
TJU_CMC_MD2.ID02591.5p-miR	4	-	190861798	190861818	CGCTGTGGAACCGCCTCCTGC	22282

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TJU_CMC_MD2.ID02592.5p-miR	5	+	53720	53742	GCGGGGGCGGAGGGGGAGGAGGA	22283
TJU_CMC_MD2.ID02593.5p-miR	5	+	271780	271802	GCCTGAGAGGTCTCTCGTCGCTG	22284
TJU_CMC_MD2.ID02594.3p-miR	5	-	473018	473039	CTCGCGCCCTTTCCCACCGCTG	22285
TJU_CMC_MD2.ID02595.5p-miR	5	-	473205	473224	CGGCGGCGGCGCGCCGCGTG	22286
TJU_CMC_MD2.ID02596.5p-miR	5	-	476916	476936	CCCCGTGCCCCAGCCGGGTGC	22287
TJU_CMC_MD2.ID02597.3p-miR	5	+	612482	612505	GCGGGCTGGCCCTCGGCTGGTGCT	22288
TJU_CMC_MD2.ID02598.3p-miR	5	-	1064411	1064432	CCCCGGGGAGGCCCCTTCCGCA	22289
TJU_CMC_MD2.ID02599.3p-miR	5	-	1111308	1111327	CAGCCCTGTTCCCTCCATCC	22290
TJU_CMC_MD2.ID02600.3p-miR	5	-	1112125	1112147	GCGGGCCGGGCCGGGACGGGGAC	22291
TJU_CMC_MD2.ID02601.5p-miR	5	+	1882645	1882665	CCACCCCCCGTCCCCGCCCCA	22292
TJU_CMC_MD2.ID02602.5p-miR	5	-	2640746	2640767	GGAGACATCTAGGCTTTCCACA	22293
TJU_CMC_MD2.ID02603.3p-miR	5	-	3595761	3595783	GGGCGCGCGCGTCGGGGCGGCGG	22294
TJU_CMC_MD2.ID02604.3p-miR	5	-	5066638	5066659	CAGTAGTTCTAAAGTGTGGTCC	22295
TJU_CMC_MD2.ID02604.5p-miR	5	-	5066681	5066703	AGAGACCACACTTTGAGCCACTG	22296
TJU_CMC_MD2.ID02605.3p-miR	5	-	9053935	9053956	AAAGGCTTCAAGCACGAGTTCT	22297
TJU_CMC_MD2.ID02606.5p-miR	5	+	10402475	10402496	TTCCTTGACCTGATGCTGTAGG	22298
TJU_CMC_MD2.ID02607.3p-miR	5	-	10528124	10528145	CTCCCACTCTCCTGTCCCCACC	22299
TJU_CMC_MD2.ID02608.5p-miR	5	+	10564483	10564504	GGGACGCAGAAGCGAGAAGCGG	22300
TJU_CMC_MD2.ID02609.3p-miR	5	-	13654994	13655014	TGTAGACATCTGACAGGACAC	22301
TJU_CMC_MD2.ID02610.3p-miR	5	+	14144881	14144901	ACCCCAGCGGCGGCGCCTCCT	22302
TJU_CMC_MD2.ID02611.3p-miR	5	-	14487658	14487679	GGGGGCCCCGCCGCCGCCGCTG	22303
TJU_CMC_MD2.ID02612.5p-miR	5	-	15394857	15394878	ATATGTACATACGGCTATGCGT	22304
TJU_CMC_MD2.ID02613.3p-miR	5	+	23645520	23645540	CAATTTTAGCATAAGTGTGAG	22305
TJU_CMC_MD2.ID02616.5p-miR	5	-	31515571	31515592	TCTTGGGCCCCACCCCCTGGAGA	22306
TJU_CMC_MD2.ID02617.5p-miR	5	-	32274747	32274769	GCAACACCTCCTGGATCTATGGA	22307
TJU_CMC_MD2.ID02618.3p-miR	5	-	32415128	32415147	AGCAGCTGCGGCTACTGTGG	22308
TJU_CMC_MD2.ID02621.3p-miR	5	+	34655707	34655728	CTGTACCCCGTGGCTTCTCACA	22309
TJU_CMC_MD2.ID02622.3p-miR	5	-	35128383	35128404	AGATCCACAGATGCGCAAGTCC	22310
TJU_CMC_MD2.ID02623.3p-miR	5	-	35230245	35230267	GGGAGAGCGGGGGCCACCGGCGCG	22311
TJU_CMC_MD2.ID02624.3p-miR	5	-	36241256	36241276	GGTGCCCTCGCCGCCCCCGCC	22312

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TJU_CMC_MD2.ID02625.5p-miR	5	-	36876735	36876756	TTGGGCTCGCGTCCTCGGCCGC	22313
TJU_CMC_MD2.ID02626.5p-miR	5	-	36877036	36877056	CCCGAGCTACCGGGGGGGGCAT	22314
TJU_CMC_MD2.ID02627.5p-miR	5	+	43495453	43495474	ATGCAATGTGAGCCGCGTGGCA	22315
TJU_CMC_MD2.ID02628.5p-miR	5	+	43603394	43603414	CAGGTGAGCGCGACGGCACTG	22316
TJU_CMC_MD2.ID02629.3p-miR	5	+	43604202	43604222	AGGTCACGGCGCCTGCCAGCC	22317
TJU_CMC_MD2.ID02629.5p-miR	5	+	43604168	43604188	GTGGCAGTAGCCGTGACACCA	22318
TJU_CMC_MD2.ID02630.3p-miR	5	-	49962403	49962425	CTGCTGCAGCGCCGCCCGCCCGC	22319
TJU_CMC_MD2.ID02631.5p-miR	5	+	49962487	49962508	CGAGCCGTGAGGGGTGTGCGCG	22320
TJU_CMC_MD2.ID02632.5p-miR	5	-	50679063	50679083	GAGCCAGCGGGAGAGGATTAG	22321
TJU_CMC_MD2.ID02633.3p-miR	5	-	54466374	54466395	CGGCTAACATGCAACTGCTGTC	22322
TJU_CMC_MD2.ID02634.3p-miR	5	-	56111000	56111021	GAGCCTTGGCGGCAGCGCTGCG	22323
TJU_CMC_MD2.ID02635.5p-miR	5	-	56205484	56205503	GCCACAGGCCCCGCAGCAGA	22324
TJU_CMC_MD2.ID02636.5p-miR	5	-	56469294	56469315	CGTCTTCCCCAGCTCTAAGCTC	22325
TJU_CMC_MD2.ID02638.3p-miR	5	+	64357683	64357705	AAGGCTGCTCTGTGCCCACAGTC	22326
TJU_CMC_MD2.ID02638.5p-miR	5	+	64357642	64357664	GCGCACAGAGCAGCCTTCTGAGT	22327
TJU_CMC_MD2.ID02639.5p-miR	5	+	65220927	65220949	CTCCCAGCGCCAGCTTTGTCTCC	22328
TJU_CMC_MD2.ID02640.3p-miR	5	+	65221044	65221066	CTGTGGTTTCCTGCGACCTGACC	22329
TJU_CMC_MD2.ID02642.3p-miR	5	+	66877314	66877334	TCATTCAGACTGACAGATGTT	22330
TJU_CMC_MD2.ID02642.5p-miR	5	+	66877264	66877284	ACATCTGTCAGTCTGAGTGAC	22331
TJU_CMC_MD2.ID02643.3p-miR	5	+	67511409	67511431	CAGGCCTGAGCTCGCTCCCCCAC	22332
TJU_CMC_MD2.ID02644.3p-miR	5	+	68665711	68665732	TCCCTGGTCGCCTCCGCTCTTC	22333
TJU_CMC_MD2.ID02645.5p-miR	5	+	70918612	70918634	ATGTGCTACCCTGCTTGGCTTGT	22334
TJU_CMC_MD2.ID02646.3p-miR	5	+	72144009	72144028	CGGCCGGGCTGCCAGGAGCA	22335
TJU_CMC_MD2.ID02648.5p-miR	5	+	72252066	72252088	GCGTCCTCCTGCCGCGTCCCGCC	22336
TJU_CMC_MD2.ID02649.5p-miR	5	+	72715599	72715619	GGGAGGGCGAGGCCCGGCTGC	22337
TJU_CMC_MD2.ID02650.3p-miR	5	+	76012101	76012124	TCCCGGAGCAGCGCCGCGCAGAGC	22338
TJU_CMC_MD2.ID02651.5p-miR	5	-	77808218	77808239	GCTAATTTATCTCCACCAGTTG	22339
TJU_CMC_MD2.ID02652.5p-miR	5	-	78809890	78809912	AGCAGCACCCTCTTCTCTGCCAG	22340
TJU_CMC_MD2.ID02653.3p-miR	5	-	79950757	79950778	GCGGCGGCAGCTGGGGCGGGAA	22341
TJU_CMC_MD2.ID02654.3p-miR	5	-	80640875	80640897	ATCCTCTTTGCCCACCGCCCTGC	22342

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TJU_CMC_MD2.ID02655.3p-miR	5	-	81267695	81267716	TCCCCGCCGCCCGCGACCACCC	22343
TJU_CMC_MD2.ID02657.5p-miR	5	+	85749670	85749691	AGGCGTGAGTTAGCCAGGTGTC	22344
TJU_CMC_MD2.ID02658.5p-miR	5	+	86298930	86298951	TGCTGCCACCAGATAAATACAT	22345
TJU_CMC_MD2.ID02659.3p-miR	5	-	86479451	86479472	AATAGTGAAAGGGCAGGATACC	22346
TJU_CMC_MD2.ID02660.3p-miR	5	-	87438305	87438326	TGTCCCGCCCGCAGGCGCGCGT	22347
TJU_CMC_MD2.ID02661.5p-miR	5	+	87970097	87970119	TGTCAGGGGTGTGGGCACGGGGG	22348
TJU_CMC_MD2.ID02662.5p-miR	5	+	92916207	92916229	GGTGCCCACGACGCACGGTCCAG	22349
TJU_CMC_MD2.ID02664.5p-miR	5	+	96143161	96143180	AGGACTGGCAGGCATCCAGG	22350
TJU_CMC_MD2.ID02665.3p-miR	5	+	96271821	96271842	TCGGGCGCTCCGGCTGTAAGGA	22351
TJU_CMC_MD2.ID02666.5p-miR	5	-	98250892	98250912	ATGAGAAGATGTTTTCCAGGT	22352
TJU_CMC_MD2.ID02667.5p-miR	5	-	100152236	100152257	TAAAATTAATTGCAGTTTTTGT	22353
TJU_CMC_MD2.ID02668.5p-miR	5	-	107060449	107060472	GGCTGCGGGCAGGTGGGCGGGAGG	22354
TJU_CMC_MD2.ID02669.5p-miR	5	-	108001334	108001353	CCCAATGGCAACTTACAACT	22355
TJU_CMC_MD2.ID02670.3p-miR	5	-	108084336	108084357	CGCCGCTTTCTGGGCTCGCTCA	22356
TJU_CMC_MD2.ID02670.5p-miR	5	-	108084368	108084387	GCCCTGGGAGTGGAGACGCG	22357
TJU_CMC_MD2.ID02672.5p-miR	5	-	111701737	111701758	TGCTAAGTTTAGTTTTCTATTG	22358
TJU_CMC_MD2.ID02673.5p-miR	5	-	112824207	112824229	CGGCGGCCACTGGGCATGCTCCG	22359
TJU_CMC_MD2.ID02675.3p-miR	5	+	118553703	118553725	AACAGGCAAATCTGGAGTCAGCC	22360
TJU_CMC_MD2.ID02677.5p-miR	5	+	118665485	118665506	TTTCCCCAGCCTTGTCTAGACA	22361
TJU_CMC_MD2.ID02678.3p-miR	5	+	122110750	122110772	GTGACGGGTCCGCGAGGCCCAGC	22362
TJU_CMC_MD2.ID02679.3p-miR	5	+	122181275	122181298	CCGCGGCCGTGAGCCTGCCCCCAA	22363
TJU_CMC_MD2.ID02680.3p-miR	5	+	125759151	125759170	CGGCCCGGCCTGGATGCGCT	22364
TJU_CMC_MD2.ID02681.3p-miR	5	+	126565185	126565205	GAGGCCTGCCTGCGGGAGACC	22365
TJU_CMC_MD2.ID02682.5p-miR	5	-	127418739	127418758	GAGGCCGGGCCGGAGCCGCA	22366
TJU_CMC_MD2.ID02683.3p-miR	5	+	127419275	127419298	CGCAGGAGCCGCGGAGGGCCGGAT	22367
TJU_CMC_MD2.ID02683.5p-miR	5	+	127419231	127419251	TGGCTGGCCGCGCTCTTCGCA	22368
TJU_CMC_MD2.ID02684.5p-miR	5	+	131132914	131132933	AGGACTGGAAGGTGGCTAGG	22369
TJU_CMC_MD2.ID02685.3p-miR	5	+	131593405	131593428	TCCGGCTGCGGCTCCAGCCCGCGA	22370
TJU_CMC_MD2.ID02686.5p-miR	5	+	132112972	132112991	CGGCGGCGGGAGAAGCCGCG	22371
TJU_CMC_MD2.ID02687.3p-miR	5	-	132213843	132213865	TCCACAGCTCAGCCCAGGCTCCA	22372

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TJU_CMC_MD2.ID02687.5p-miR	5	-	132213887	132213909	CAGACTGGGCTGGGCTGTGGGAA	22373
TJU_CMC_MD2.ID02688.5p-miR	5	-	133162689	133162711	GGGACTGTCACTGGGCGTGCCAT	22374
TJU_CMC_MD2.ID02689.3p-miR	5	-	133747509	133747529	CGGCTGCCGCAGTGGAGGAGC	22375
TJU_CMC_MD2.ID02690.3p-miR	5	-	133861813	133861836	CAGCCAGCAGGAGAGAGAGGGAGC	22376
TJU_CMC_MD2.ID02690.5p-miR	5	-	133861848	133861871	TCCCCCCCCTCTCCGCGCTGGCTT	22377
TJU_CMC_MD2.ID02691.5p-miR	5	+	133862269	133862292	ACGTGCAGCCGGTCCGGTCCCAGA	22378
TJU_CMC_MD2.ID02692.3p-miR	5	+	134181742	134181764	CGCCTGCCTCGCCGCCGCCCTCG	22379
TJU_CMC_MD2.ID02692.5p-miR	5	+	134181710	134181732	GCGCGGCGGCCGCGGCGGGTGCT	22380
TJU_CMC_MD2.ID02693.3p-miR	5	-	134369996	134370016	CGCTCGCTCCCTCCCCAGCCC	22381
TJU_CMC_MD2.ID02694.3p-miR	5	+	134979003	134979023	CTGAACACACACAAGACTCTGTG	22382
TJU_CMC_MD2.ID02695.3p-miR	5	-	137688526	137688549	GCCGCAGTGTCCGCGAACAGCAGC	22383
TJU_CMC_MD2.ID02696.5p-miR	5	-	137799834	137799854	GAGCCTTCGACGCAGTGAGCA	22384
TJU_CMC_MD2.ID02697.3p-miR	5	-	137799933	137799955	CCCTCTCCACTCCCAGCCCCGGA	22385
TJU_CMC_MD2.ID02698.3p-miR	5	+	137799988	137800007	CGGTCCTCTCTTCGCGCCCA	22386
TJU_CMC_MD2.ID02699.5p-miR	5	-	138002644	138002663	GTCTACTTCAAATTCCTCCC	22387
TJU_CMC_MD2.ID02700.3p-miR	5	+	138611992	138612012	CCCCAGGATGCCAGCATAGTT	22388
TJU_CMC_MD2.ID02700.5p-miR	5	+	138611943	138611964	AGCTGGTTGGCATTCTGGCCCT	22389
TJU_CMC_MD2.ID02701.5p-miR	5	+	138730055	138730078	TCGTCCAGGGAACCGGTGCGCAGG	22390
TJU_CMC_MD2.ID02702.3p-miR	5	-	139553930	139553952	ACAGCAATTACTTTTGCACCACT	22391
TJU_CMC_MD2.ID02703.3p-miR	5	-	139780435	139780458	AGGATCGCCCAGCGGGGGCCGCGTT	22392
TJU_CMC_MD2.ID02704.3p-miR	5	+	140090916	140090938	TGTCTGGGTTGTTCGAGACCCGC	22393
TJU_CMC_MD2.ID02704.5p-miR	5	+	140090859	140090881	CGGGCTGGCTTTAGCTCAGCGGT	22394
TJU_CMC_MD2.ID02705.3p-miR	5	-	140960366	140960388	TCCTGCTGTTCCCAACATGATGA	22395
TJU_CMC_MD2.ID02706.5p-miR	5	+	141229560	141229582	TATCCAGTTCCGCAATTCACACT	22396
TJU_CMC_MD2.ID02707.3p-miR	5	-	141232467	141232488	TGGCTGGGTGCTGCTCCCGATA	22397
TJU_CMC_MD2.ID02708.5p-miR	5	-	141235495	141235517	ACTGCCTGGTGCTGTCCCTGAGC	22398
TJU_CMC_MD2.ID02709.3p-miR	5	+	142306605	142306626	TAGCACAGAATAGTTCAGTTGC	22399
TJU_CMC_MD2.ID02710.3p-miR	5	-	144690826	144690847	CGAGCTGCACTCTAGCACCTCC	22400
TJU_CMC_MD2.ID02711.5p-miR	5	-	145214870	145214893	CTCCGGGCCTCTGCGGAGCCCTGG	22401
TJU_CMC_MD2.ID02712.3p-miR	5	+	148500945	148500968	GGAGTGCAGCACACCAAGGGGGAA	22402
TJU_CMC_MD2.ID02712.5p-miR	5	+	148500901	148500923	TCCCCAGTGGTCTAGCCCTTGAG	22403

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TJU_CMC_MD2.ID02713.3p-miR	5	+	148805416	148805437	CTCCCTGTCAATTCGCTTTCCA	22404
TJU_CMC_MD2.ID02713.5p-miR	5	+	148805370	148805391	GAAAGCAAATTCACAGGGAGCA	22405
TJU_CMC_MD2.ID02714.5p-miR	5	-	149537618	149537640	GACTCCCAGACTAGCTTCTTTGG	22406
TJU_CMC_MD2.ID02715.3p-miR	5	+	149681995	149682015	CGCCCAGGGCGCACCACCGGC	22407
TJU_CMC_MD2.ID02716.5p-miR	5	+	149900770	149900792	AGCCAGGGCAGGCCGGGCCTCCG	22408
TJU_CMC_MD2.ID02717.5p-miR	5	-	150143931	150143954	ACCTCTGAGCTCACTCGCTGGTTG	22409
TJU_CMC_MD2.ID02718.3p-miR	5	+	151138340	151138361	CCTGGACGGAGAGAGGAGGTGA	22410
TJU_CMC_MD2.ID02719.3p-miR	5	+	153726750	153726771	ACAACAGTGCCAACCTCACAGG	22411
TJU_CMC_MD2.ID02720.3p-miR	5	-	153726710	153726731	CAACAATGCCAACCTCACAGGA	22412
TJU_CMC_MD2.ID02721.5p-miR	5	+	154065349	154065371	AGCGAGACCTCAACTCTACAATT	22413
TJU_CMC_MD2.ID02722.3p-miR	5	-	154237945	154237966	GCGCAGGAGCAGAAGTAACAGG	22414
TJU_CMC_MD2.ID02723.3p-miR	5	+	154317861	154317880	CCGGGCTGGGAAGGGCGGGA	22415
TJU_CMC_MD2.ID02724.5p-miR	5	+	156693186	156693206	TGGACCCGCCGCAGAGCCAGG	22416
TJU_CMC_MD2.ID02726.3p-miR	5	-	156924097	156924118	TCCTCTCATTCCTTGGCTCAGC	22417
TJU_CMC_MD2.ID02727.5p-miR	5	-	157002811	157002831	GAGGGCTGGGAGCCGGGTGGG	22418
TJU_CMC_MD2.ID02728.5p-miR	5	+	158526146	158526169	GCAGACAGCTCCAGGTCCTCCGGC	22419
TJU_CMC_MD2.ID02729.5p-miR	5	-	159399083	159399103	CCGGTAGGTGTAGGCGCAGCC	22420
TJU_CMC_MD2.ID02730.5p-miR	5	-	160848594	160848615	TCACACATATTTTCCATGCAGT	22421
TJU_CMC_MD2.ID02731.3p-miR	5	-	164454330	164454350	GTCACCAACATAATGAGAGCA	22422
TJU_CMC_MD2.ID02732.3p-miR	5	+	166405991	166406013	CGCGCGCGCGCGTGTGTTGTGCG	22423
TJU_CMC_MD2.ID02733.5p-miR	5	-	166714300	166714320	AAATTATTGTTATTACTGAGT	22424
TJU_CMC_MD2.ID02734.3p-miR	5	+	167592904	167592924	TCACCTGGCATAAGCAATTCA	22425
TJU_CMC_MD2.ID02735.3p-miR	5	-	167651294	167651314	ATCCACCGCTATCACTCGCCC	22426
TJU_CMC_MD2.ID02736.5p-miR	5	-	167987946	167987968	GGCTTCTTTACAGTGCTGCCTTG	22427
TJU_CMC_MD2.ID02737.3p-miR	5	-	169965774	169965795	TCTCTAAGTGCCAAAGACCTGT	22428
TJU_CMC_MD2.ID02738.3p-miR	5	+	170518013	170518034	AGTCCCTTCTGGAACATTGCCT	22429
TJU_CMC_MD2.ID02739.5p-miR	5	-	171831875	171831897	CAGACACAGGTATGGCTGGCTCC	22430
TJU_CMC_MD2.ID02740.3p-miR	5	-	172096862	172096881	TGGAAGCGCGGCGCCTCGCC	22431

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TJU_CMC_MD2.ID02741.3p-miR	5	-	173197301	173197321	ACCGCCATTACTTTTGCACCG
TJU_CMC_MD2.ID02743.5p-miR	5	-	174178746	174178765	GCCCCGGGCCGGTCGCGCCG
TJU_CMC_MD2.ID02744.3p-miR	5	-	174988083	174988104	TATAGGTATGAGCCACTGAGTT
TJU_CMC_MD2.ID02745.3p-miR	5	-	175819749	175819771	CCTGCTAGGTGCATGGCCACAGA
TJU_CMC_MD2.ID02746.5p-miR	5	-	175843439	175843460	CGGCTCGGGTGACAGCGTCGCG
TJU_CMC_MD2.ID02747.5p-miR	5	-	175843503	175843523	CCCGGTGGCGGAGAGGAAGTG
TJU_CMC_MD2.ID02748.3p-miR	5	+	176306698	176306720	TGACGGCCCCCCTCCCCTCCACA
TJU_CMC_MD2.ID02749.5p-miR	5	-	176433503	176433524	CGCCGGGGCGGCCCTTCCTGAT
TJU_CMC_MD2.ID02750.3p-miR	5	+	176560803	176560822	TCGCGCTCGCTGCCTTCTCC
TJU_CMC_MD2.ID02751.3p-miR	5	+	176560865	176560887	CCGCTCTCTCCCCACCGCTCCGC
TJU_CMC_MD2.ID02752.3p-miR	5	+	176730920	176730942	CTCGCGTGCCTCCCAGGCTCCGC
TJU_CMC_MD2.ID02754.5p-miR	5	+	176853063	176853083	AAGAGGTCGGGGAACGGCTGC
TJU_CMC_MD2.ID02756.3p-miR	5	-	176918979	176919001	TGCAGGCGCCCCACTTCCACCCA
TJU_CMC_MD2.ID02757.3p-miR	5	-	176932111	176932134	TTTGACTTGAACTCATTCCCCAGG
TJU_CMC_MD2.ID02758.3p-miR	5	-	176941854	176941876	CTGCCATCTGGTGCCAGCCTTTG
TJU_CMC_MD2.ID02759.3p-miR	5	+	177574710	177574730	CGCTTCGCTGCCCTTCCCAGA
TJU_CMC_MD2.ID02759.5p-miR	5	+	177574673	177574693	CTGGGGAGGACAGCCATGACA
TJU_CMC_MD2.ID02760.3p-miR	5	+	177660163	177660183	TCACCATGGGCTTGACCTTCA
TJU_CMC_MD2.ID02761.3p-miR	5	+	178772612	178772635	CTTGGCGCGGCCGCGCCGCCGCCGCC
TJU_CMC_MD2.ID02762.5p-miR	5	+	179126145	179126164	CCTCGGGGGGCTGGGAGCGC
TJU_CMC_MD2.ID02763.3p-miR	5	-	179224840	179224859	GCCGGGCCGCGGAGGAGGCA
TJU_CMC_MD2.ID02764.5p-miR	5	-	179232875	179232896	CTGGCCCCCGCCCTCCGCGTGC
TJU_CMC_MD2.ID02765.3p-miR	5	-	179233572	179233593	ACCCGAGGAGATGAGGCTCCGC
TJU_CMC_MD2.ID02766.3p-miR	5	-	179233978	179233999	CCGCCCCGCCCTGCGCCGTCGA
TJU_CMC_MD2.ID02767.3p-miR	5	+	179251161	179251181	CTCTGCTAATTCCTCCCCCAG
TJU_CMC_MD2.ID02768.3p-miR	5	+	179264096	179264118	TCCGCAATGTTGGTTTCACTGAG
TJU_CMC_MD2.ID02769.5p-miR	5	-	179334623	179334644	GGCGGCGGGCGGCGGGCGGGTC
TJU_CMC_MD2.ID02770.5p-miR	5	-	179636141	179636160	GGGCGGTCGGGCGGCGGCGG
TJU_CMC_MD2.ID02771.3p-miR	6	+	292780	292801	CGCCTGCCTTGCCAGCCGGTGC
TJU_CMC_MD2.ID02772.5p-miR	6	+	391761	391781	GCTCGATCTTGGGACCCACCG
TJU_CMC_MD2.ID02773.3p-miR	6	-	2634646	2634665	GGGCCCGGTTCGGGGGGGCG

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02774.5p-miR	6	-	2842070	2842089	CGCACCCAGCTCGGAGCCCG	22463
TJU_CMC_MD2.ID02775.5p-miR	6	+	2854275	2854295	ACCAGGCAAGAACTACTGTCT	22464
TJU_CMC_MD2.ID02776.5p-miR	6	+	3119201	3119222	TGGCTGCCCTGTCGCCCTTTGT	22465
TJU_CMC_MD2.ID02777.3p-miR	6	-	3738328	3738351	AGAGACCAGGCTTAATGAGGTGGA	22466
TJU_CMC_MD2.ID02778.3p-miR	6	+	3752450	3752472	ACCGCCCCGACGAGGGCCCAGGC	22467
TJU_CMC_MD2.ID02779.3p-miR	6	-	4775831	4775851	TGCCTCCGCTCTGCCCGCAGC	22468
TJU_CMC_MD2.ID02780.3p-miR	6	+	4776735	4776754	CCCCGCGGCGGGGCGCGATG	22469
TJU_CMC_MD2.ID02781.3p-miR	6	-	4776718	4776737	GGGCCGGGCGGGCTGGGGCG	22470
TJU_CMC_MD2.ID02783.5p-miR	6	+	6810645	6810664	TTCTTGCCTACCACCTCTCT	22471
TJU_CMC_MD2.ID02784.3p-miR	6	-	11255897	11255919	GATCCATGCAAGGCCTTTTGGGG	22472
TJU_CMC_MD2.ID02785.3p-miR	6	-	13328715	13328736	GCGCTGAGTTTTGTCTCCCGGG	22473
TJU_CMC_MD2.ID02786.5p-miR	6	+	13574639	13574659	CACCGCCCAGGGCCTGCCGCG	22474
TJU_CMC_MD2.ID02787.5p-miR	6	+	13712441	13712460	GCCGCGAGCCCAGGCCCCGG	22475
TJU_CMC_MD2.ID02788.3p-miR	6	-	17600382	17600405	CGGTGACTGGGACCAGACCGTCGC	22476
TJU_CMC_MD2.ID02789.5p-miR	6	-	17600916	17600937	CGCGGCTTCGGGCGCCTCGCAG	22477
TJU_CMC_MD2.ID02790.5p-miR	6	+	21215792	21215813	TCAGCTCTACAACTCAGTGTCT	22478
TJU_CMC_MD2.ID02791.5p-miR	6	+	21686030	21686052	CACTCACTTCCTGTTCTGTGGCC	22479
TJU_CMC_MD2.ID02792.3p-miR	6	-	26158019	26158038	TAACAGATTAGGAGAACTCA	22480
TJU_CMC_MD2.ID02793.3p-miR	6	+	26158386	26158409	ATTAACGCTACGATGCCTGAACCT	22481
TJU_CMC_MD2.ID02794.3p-miR	6	+	26365759	26365780	TGCACACTCGCACATGCACATA	22482
TJU_CMC_MD2.ID02795.3p-miR	6	-	27095058	27095078	GAGTTCTCCGGGCCGCACCCT	22483
TJU_CMC_MD2.ID02795.5p-miR	6	-	27095093	27095114	CGCTGCGGGCTGGAGAGCTGCT	22484
TJU_CMC_MD2.ID02796.3p-miR	6	+	27115446	27115466	GCAACTCTTTACAATGTTTCT	22485
TJU_CMC_MD2.ID02797.3p-miR	6	-	27392791	27392814	CCCAGCAGTGCTAGCCCACCGGTG	22486
TJU_CMC_MD2.ID02798.3p-miR	6	+	28106658	28106681	AACCTAGCAGAGGAATGCCAAGCT	22487
TJU_CMC_MD2.ID02799.5p-miR	6	-	30569800	30569822	AGGCCATGACCATCGAGGGCCGC	22488
TJU_CMC_MD2.ID02800.3p-miR	6	-	30710368	30710389	CGAGCGGCCCCTGCCCGGCTCC	22489
TJU_CMC_MD2.ID02801.3p-miR	6	+	30923465	30923484	GTCCCGGCGGAGTCGCAGCG	22490
TJU_CMC_MD2.ID02802.3p-miR	6	-	30994161	30994180	TCCTGCCGTAGAGGTGGTGG	22491
TJU_CMC_MD2.ID02803.5p-miR	6	+	31166500	31166520	ACCGCGCCTGGCCGGGAAATA	22492

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TJU_CMC_MD2.ID02804.5p-miR	6	-	31239791	31239814	TGCTCTCGGGAGGCCTGGCCCTGA	22493
TJU_CMC_MD2.ID02805.5p-miR	6	+	31588507	31588528	GCGGAGTGAGCGAGGGGAGACGG	22494
TJU_CMC_MD2.ID02806.3p-miR	6	-	31671018	31671040	TGCGTCCTAGGCCCCCGGCTCTA	22495
TJU_CMC_MD2.ID02807.3p-miR	6	+	31678027	31678048	CCGCCTCTGTACCCCACCTCCT	22496
TJU_CMC_MD2.ID02808.3p-miR	6	-	31704125	31704147	CCCGCCTTCCCCGGTCCCAGCCC	22497
TJU_CMC_MD2.ID02808.5p-miR	6	-	31704162	31704183	CCCTGGGTCTAGGGGAGAGAGT	22498
TJU_CMC_MD2.ID02809.3p-miR	6	+	31795635	31795654	CGGCGTTCCGAAGGACTGAG	22499
TJU_CMC_MD2.ID02810.5p-miR	6	-	31939902	31939924	CGGGGACTCGTTGGCGGCGTGGA	22500
TJU_CMC_MD2.ID02811.5p-miR	6	-	32632668	32632689	GATGCCGAGTACTGGAACAGCC	22501
TJU_CMC_MD2.ID02812.3p-miR	6	+	32862594	32862613	ATGCCTGAGGGGGTCCTCCG	22502
TJU_CMC_MD2.ID02813.3p-miR	6	+	32938693	32938712	CCGCCGCCTCCTCCGCTCGC	22503
TJU_CMC_MD2.ID02814.5p-miR	6	+	32940004	32940026	TAGAACGAGCTGGAGGATTCTGC	22504
TJU_CMC_MD2.ID02815.3p-miR	6	+	32948548	32948568	ACCCTGCCCCACCTGCCCCTT	22505
TJU_CMC_MD2.ID02816.3p-miR	6	+	33169495	33169517	TACTTGACCTTGACTCTCCCTCA	22506
TJU_CMC_MD2.ID02817.3p-miR	6	-	33175634	33175655	TCGAGAATTGCGTTTGGACAAT	22507
TJU_CMC_MD2.ID02817.5p-miR	6	-	33175671	33175691	GACGTCCAGACTCAACTCTCG	22508
TJU_CMC_MD2.ID02818.5p-miR	6	+	33244940	33244962	GCCGCAGTCGGCCAGCCATGGAG	22509
TJU_CMC_MD2.ID02819.5p-miR	6	-	33266695	33266714	GGTCCGGGGCCGGAGACCGA	22510
TJU_CMC_MD2.ID02820.3p-miR	6	+	33393552	33393574	TGACACACCCCCACCTCCCCTAG	22511
TJU_CMC_MD2.ID02821.3p-miR	6	-	33900020	33900042	CCACAGAATGCCATGTGAAGGAT	22512
TJU_CMC_MD2.ID02821.5p-miR	6	-	33900061	33900082	CTTCGCATGGTATTCTGTGACT	22513
TJU_CMC_MD2.ID02822.5p-miR	6	+	34217045	34217067	GGACGGGGTAGGGCGGGGGCGCGC	22514
TJU_CMC_MD2.ID02823.3p-miR	6	-	35656492	35656513	TCCAGGTCCCGCCGCGGTCGCA	22515
TJU_CMC_MD2.ID02824.3p-miR	6	+	36442674	36442696	ACCATGAACCTTTTATTGCTCCA	22516
TJU_CMC_MD2.ID02825.3p-miR	6	+	36562873	36562896	CGGCAAATAGGATGTGTCTGGACT	22517
TJU_CMC_MD2.ID02826.3p-miR	6	-	36953744	36953763	CGCAGGATGGATGGCGGGTC	22518
TJU_CMC_MD2.ID02829.5p-miR	6	+	41069101	41069121	ACATCTTTTGGGATGAACCGG	22519
TJU_CMC_MD2.ID02830.3p-miR	6	-	41162771	41162793	TCTCCCTTCTTCAGTACACCTAC	22520
TJU_CMC_MD2.ID02831.3p-miR	6	+	41191630	41191651	TTGGTCTTCTCTGCCCTCCAGC	22521
TJU_CMC_MD2.ID02831.5p-miR	6	+	41191590	41191611	TCAGAGGGCAGAGGGCCCACGT	22522
TJU_CMC_MD2.ID02832.3p-miR	6	+	41395768	41395787	CCGCTGGTGGTGGCTCTCGA	22523

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02833.5p-miR	6	-	41438194	41438215	AGGACGCGCGGCCCGGCCCTGG	22524
TJU_CMC_MD2.ID02834.3p-miR	6	-	41692215	41692234	CTCCCTGGGCCTCTCTGGCC	22525
TJU_CMC_MD2.ID02836.3p-miR	6	+	41702088	41702107	CGCGAACCTGCTCGCGCAGC	22526
TJU_CMC_MD2.ID02837.5p-miR	6	+	41702845	41702865	GCGCCTGAAGGGAGGGGCCGA	22527
TJU_CMC_MD2.ID02838.5p-miR	6	-	42296864	42296885	CCACCTGACCTGATTCAATGCT	22528
TJU_CMC_MD2.ID02839.3p-miR	6	+	42349083	42349105	GCCTTGTTTTAAGGAACCACCCA	22529
TJU_CMC_MD2.ID02840.3p-miR	6	+	42420974	42420994	GAGCCCGGAGTCGCTCCCTCG	22530
TJU_CMC_MD2.ID02841.5p-miR	6	+	42750814	42750833	GAGAGCAGGTCCGGGGTGCG	22531
TJU_CMC_MD2.ID02842.5p-miR	6	+	43139595	43139614	CCCGGCGCCCACCGCGGGGG	22532
TJU_CMC_MD2.ID02843.5p-miR	6	-	43478022	43478043	AGGCTCTCTCTGCCAGCCGTGC	22533
TJU_CMC_MD2.ID02844.5p-miR	6	+	43737994	43738013	GGCTAGCACCAGCGCTCTGT	22534
TJU_CMC_MD2.ID02845.5p-miR	6	+	43745961	43745983	TGCAGCCATGTCTTGGCCTCAAG	22535
TJU_CMC_MD2.ID02846.3p-miR	6	+	44215534	44215556	TCCTTCCTCCGCCCTTCCTCGAG	22536
TJU_CMC_MD2.ID02847.5p-miR	6	+	45345351	45345371	ACCACGAAGACCCAGGCAGCC	22537
TJU_CMC_MD2.ID02848.3p-miR	6	+	53141853	53141874	AGGGCTGTGATGTAGAGTCTGC	22538
TJU_CMC_MD2.ID02849.5p-miR	6	-	53141841	53141861	CACAGCCCTGCAGTTATCACG	22539
TJU_CMC_MD2.ID02850.3p-miR	6	-	53409564	53409586	TCCCTCCGCCGACTGCGGCCCGA	22540
TJU_CMC_MD2.ID02851.5p-miR	6	+	63755852	63755875	AGAATAAGAAGGATATTTTACTTC	22541
TJU_CMC_MD2.ID02852.5p-miR	6	-	71375189	71375211	TTCGAGACCCTGCTGGTCCATGG	22542
TJU_CMC_MD2.ID02853.3p-miR	6	-	71377532	71377553	CCGACGTGTCCCGCCTCCTTGA	22543
TJU_CMC_MD2.ID02854.5p-miR	6	+	73347096	73347116	GAACACAATATGCAGTGGACA	22544
TJU_CMC_MD2.ID02855.5p-miR	6	-	73860339	73860360	TGTTTAACCTTTTGCCTATTGG	22545
TJU_CMC_MD2.ID02856.5p-miR	6	-	81250419	81250440	TTGCTCAGACACCATCCCCAGA	22546
TJU_CMC_MD2.ID02857.3p-miR	6	+	82463105	82463127	ACTTCGCGGGGGTCAGGGCGCGT	22547
TJU_CMC_MD2.ID02858.3p-miR	6	-	86146447	86146466	CTCTATGATATATATATGAC	22548
TJU_CMC_MD2.ID02859.3p-miR	6	+	86159600	86159623	CACTCTTCCTGCAGGGAGCTGGTG	22549
TJU_CMC_MD2.ID02860.5p-miR	6	+	89855774	89855794	CTGGAGGCCTCTGGGCGCGTG	22550
TJU_CMC_MD2.ID02861.3p-miR	6	+	90062765	90062785	TCTCGTCCCGGCCCTGCCCGC	22551
TJU_CMC_MD2.ID02862.3p-miR	6	+	90243093	90243112	TTGGGTATTATCCTATTTGA	22552

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TJU_CMC_MD2.ID02863.3p-miR	6	+	91022524	91022543	ATTGCATGTATCCAAACCTT	22553
TJU_CMC_MD2.ID02864.5p-miR	6	+	91152086	91152105	TAGCTTATCAGTGACTGACT	22554
TJU_CMC_MD2.ID02865.5p-miR	6	+	91366187	91366209	TAGCTTGTCAGACTGATCAAAAC	22555
TJU_CMC_MD2.ID02866.5p-miR	6	+	94113290	94113312	CTGGGCTGTAGTGTGCTATGATC	22556
TJU_CMC_MD2.ID02867.3p-miR	6	+	94126630	94126653	GGCGCGCCAGCCGCGCCAAGCATC	22557
TJU_CMC_MD2.ID02868.3p-miR	6	+	99277238	99277260	CGCACACACACACACAGACACCT	22558
TJU_CMC_MD2.ID02869.3p-miR	6	-	99963322	99963343	CACCTCTGCCGGGAGCGGGACG	22559
TJU_CMC_MD2.ID02870.5p-miR	6	+	105388583	105388603	CCCCTCCTCCCCGCGCCCCGC	22560
TJU_CMC_MD2.ID02871.5p-miR	6	-	106689710	106689732	TCTGCAGCCTACCTCATCAGACC	22561
TJU_CMC_MD2.ID02873.3p-miR	6	-	108582159	108582181	GGCTGAACGCGGAGGGGGCGGAG	22562
TJU_CMC_MD2.ID02874.5p-miR	6	-	109638941	109638961	TGACCTTGACCCTCCCTGTGC	22563
TJU_CMC_MD2.ID02875.5p-miR	6	+	109703676	109703695	CCCCCGCGGGAGCGCGCAGG	22564
TJU_CMC_MD2.ID02877.5p-miR	6	+	122007584	122007603	CCGTGCCCTGCGCCCGCACT	22565
TJU_CMC_MD2.ID02878.3p-miR	6	-	122792156	122792177	TAGGCACAAAACATGCGTGTGT	22566
TJU_CMC_MD2.ID02878.5p-miR	6	-	122792194	122792215	ACACACGCATGCCTTGTGCCTA	22567
TJU_CMC_MD2.ID02879.3p-miR	6	+	126122455	126122476	TCGAGTTAACATCCAGGCCCAG	22568
TJU_CMC_MD2.ID02880.3p-miR	6	-	129969588	129969609	TGGACAGGCACAGTGGCTTACA	22569
TJU_CMC_MD2.ID02881.3p-miR	6	-	130340713	130340734	TCCGCCGCGCACACACACAGCA	22570
TJU_CMC_MD2.ID02882.3p-miR	6	+	130340753	130340773	ACCGCGCACACGCACACTCAC	22571
TJU_CMC_MD2.ID02883.3p-miR	6	-	133119681	133119702	CAGCTGAGCAGCGGCCGCCCGC	22572
TJU_CMC_MD2.ID02884.3p-miR	6	+	133552792	133552811	GCATGGGTGGTATGCACCAT	22573
TJU_CMC_MD2.ID02885.3p-miR	6	+	134273370	134273390	AGGACGCACTCGGGCCCCAGG	22574
TJU_CMC_MD2.ID02886.5p-miR	6	-	134374776	134374796	TAGCTGTGAGACTGTAGCCAA	22575
TJU_CMC_MD2.ID02887.3p-miR	6	+	134454784	134454806	GAGGTCTGGGCTGTAGTGCGCTA	22576
TJU_CMC_MD2.ID02888.5p-miR	6	+	134496773	134496795	GGCCAGCGCGCCCTGCATCTCCC	22577
TJU_CMC_MD2.ID02889.3p-miR	6	-	136871585	136871608	GCCGGCGGGAGCCAAGCCGAGGAA	22578
TJU_CMC_MD2.ID02890.3p-miR	6	-	137113032	137113054	GCAGCTCTGTTGGCGGGGGCAGC	22579
TJU_CMC_MD2.ID02890.5p-miR	6	-	137113064	137113085	ACCTCCTCGAGCAGTGCCACCC	22580
TJU_CMC_MD2.ID02891.3p-miR	6	+	140182732	140182754	GGGGGGGAAGGGTCGGGCGCCGT	22581
TJU_CMC_MD2.ID02892.3p-miR	6	+	141195155	141195177	AACACGCAATTAACTGTTGCACC	22582

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TJU_CMC_MD2.ID02893.5p-miR	6	-	142308616	142308637	TGACTACTTTGTTTGATTTTGT	22583
TJU_CMC_MD2.ID02894.3p-miR	6	+	142334837	142334857	TATATACAAGCACACACACAA	22584
TJU_CMC_MD2.ID02895.3p-miR	6	+	143248180	143248203	CTCTCCCGCTGGCGCTCCCGGCGC	22585
TJU_CMC_MD2.ID02896.5p-miR	6	+	143606468	143606487	CGCGTCCAGCTGGGAGGAGC	22586
TJU_CMC_MD2.ID02898.3p-miR	6	+	144471673	144471694	CGGAGCTCGGGCGGCCGTGGAG	22587
TJU_CMC_MD2.ID02899.3p-miR	6	+	146056488	146056511	GTCGCCCGCCGCGGTGCCGGCCGG	22588
TJU_CMC_MD2.ID02900.5p-miR	6	+	146363358	146363379	TCCTCCTAGCTCTGTCTTTCCA	22589
TJU_CMC_MD2.ID02902.5p-miR	6	+	147578320	147578341	TCCCCTCAGTGTGCCACTAAAT	22590
TJU_CMC_MD2.ID02903.3p-miR	6	+	149638872	149638893	CCGGCGGGGCGACCCAGCCCGA	22591
TJU_CMC_MD2.ID02904.5p-miR	6	-	149772531	149772554	GCAACTGGCGGTGGCCGACGAGCT	22592
TJU_CMC_MD2.ID02905.3p-miR	6	-	150772972	150772993	TTCACATCCAGAGGCTTTTCCT	22593
TJU_CMC_MD2.ID02906.3p-miR	6	+	151423869	151423890	TGTTTATTTGGAGAGGTGTACT	22594
TJU_CMC_MD2.ID02907.3p-miR	6	-	151711343	151711364	TCGGCCTCTGTGGCGCCGCCCT	22595
TJU_CMC_MD2.ID02908.3p-miR	6	+	151712288	151712309	CCCCGGCGCCAGGCGCAGCCGC	22596
TJU_CMC_MD2.ID02909.5p-miR	6	-	152443425	152443447	CTCCTCCAGATCACATGTGTGCA	22597
TJU_CMC_MD2.ID02910.5p-miR	6	+	153452058	153452079	CCGCTCCCGCTCAGGGCGCCGC	22598
TJU_CMC_MD2.ID02911.5p-miR	6	-	155054755	155054776	CGGCGGCGGGCGGGGGAGGGGC	22599
TJU_CMC_MD2.ID02913.5p-miR	6	+	157099136	157099157	CTCAAGGAGGGTGGAAGCGCCG	22600
TJU_CMC_MD2.ID02914.3p-miR	6	-	157099652	157099672	CGGGTGCTCGTAGCGGCCGCC	22601
TJU_CMC_MD2.ID02915.3p-miR	6	-	157342559	157342581	CTGCTGTGTGACTCGGTCCCCTC	22602
TJU_CMC_MD2.ID02916.5p-miR	6	+	157893370	157893391	ATAGACATTTATCTCCATGTGG	22603
TJU_CMC_MD2.ID02917.3p-miR	6	+	157914527	157914550	GAAGCCAGAAGCATGCCAGTCAGA	22604
TJU_CMC_MD2.ID02918.5p-miR	6	+	158244294	158244314	CCAGCGGCTGGGCCTGAGCGT	22605
TJU_CMC_MD2.ID02919.5p-miR	6	+	158669285	158669304	ACAACATAGCCAGGCCTCGT	22606
TJU_CMC_MD2.ID02920.3p-miR	6	+	158744136	158744159	AGATGCTGTTGGAACCTGGCTGAC	22607
TJU_CMC_MD2.ID02921.3p-miR	6	-	159193394	159193417	TCCCTTGAGATACCGGCATCCCTG	22608
TJU_CMC_MD2.ID02921.5p-miR	6	-	159193445	159193466	CGCCAGCATCTAATGGGACTGC	22609
TJU_CMC_MD2.ID02922.3p-miR	6	+	159736751	159736773	TGCTGCACCCCCAAATCCCTCAG	22610
TJU_CMC_MD2.ID02923.5p-miR	6	-	160183325	160183344	AGGTCAGGGAACGCGGGAGC	22611
TJU_CMC_MD2.ID02924.3p-miR	6	-	160210598	160210617	CGCTCGGGTACGCTCCACGC	22612
TJU_CMC_MD2.ID02925.3p-miR	6	-	167369306	167369329	GTGCGATGAGGGGAGTCCTGAGCA	22613

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TJU_CMC_MD2.ID02926.5p-miR	6	-	167411356	167411376	TTCCTGTATGTGGGCGTGCAC	22614
TJU_CMC_MD2.ID02927.5p-miR	6	+	167412477	167412498	CGATGGGATGCGGCCGTGGGCG	22615
TJU_CMC_MD2.ID02928.3p-miR	6	-	168100238	168100261	AGGCTGGGCTCCTCTCCCCACCCT	22616
TJU_CMC_MD2.ID02929.3p-miR	6	+	169613306	169613326	AGGGACGCCCCGACCCAAGCC	22617
TJU_CMC_MD2.ID02930.3p-miR	6	+	170124228	170124251	CCGTCGCCAGCGCGCCGCCCGCGC	22618
TJU_CMC_MD2.ID02931.3p-miR	6	-	170599951	170599971	GAGCGCAGGGGAACCCGGGCA	22619
TJU_CMC_MD2.ID02931.5p-miR	6	-	170599994	170600016	AGATCCTCTGCGCGCACCCGCGG	22620
TJU_CMC_MD2.ID02932.5p-miR	7	-	192317	192336	GGGAGGGCGCGCTCGGTTCT	22621
TJU_CMC_MD2.ID02933.5p-miR	7	-	466658	466679	AGCTATGCCACCTGCACCCAGG	22622
TJU_CMC_MD2.ID02934.5p-miR	7	+	780280	780301	CCGGCCACGCGCCTCTGTCTTG	22623
TJU_CMC_MD2.ID02935.3p-miR	7	-	994256	994279	CGGCGGAGCCCAGAGGGCGGCGGG	22624
TJU_CMC_MD2.ID02936.5p-miR	7	-	1067912	1067931	GCCGTCCGTGCCCGCGGGAC	22625
TJU_CMC_MD2.ID02937.5p-miR	7	-	1499037	1499056	GTCCCAGCGTCTGTCCCGCC	22626
TJU_CMC_MD2.ID02938.3p-miR	7	-	1507542	1507565	AGGTTAAGCTAAGCAGAGGCATCC	22627
TJU_CMC_MD2.ID02939.5p-miR	7	+	1620719	1620740	TAGCTCCAAAGGACAGGGCGTT	22628
TJU_CMC_MD2.ID02941.3p-miR	7	-	2815385	2815406	AGCCACTGATGAGCCTCTGAGG	22629
TJU_CMC_MD2.ID02942.5p-miR	7	+	5014043	5014062	CCGGCCCCTCGGGCCGCTTC	22630
TJU_CMC_MD2.ID02943.5p-miR	7	+	5463973	5463993	GGAGAGGGCCTGGGGCCCGGC	22631
TJU_CMC_MD2.ID02944.5p-miR	7	-	5531285	5531305	ATCAGGCCCACCGGGTCGCCT	22632
TJU_CMC_MD2.ID02945.3p-miR	7	-	5567539	5567561	CATCCAGGGTCCTCACTGCCTGT	22633
TJU_CMC_MD2.ID02945.5p-miR	7	-	5567578	5567598	TCGGCTGTGGGGTCCTGTGGT	22634
TJU_CMC_MD2.ID02946.5p-miR	7	-	5569191	5569213	GCCCCCCGGGCCGTCTTCCCCTC	22635
TJU_CMC_MD2.ID02947.3p-miR	7	-	6144190	6144212	CTCGTCCTGCGCTTGACCCCAGA	22636
TJU_CMC_MD2.ID02948.5p-miR	7	+	6414133	6414152	CGGATGTGAGTGGAGCGGCC	22637
TJU_CMC_MD2.ID02949.3p-miR	7	-	7106607	7106628	ATGCTACGAACAATATCACAGA	22638
TJU_CMC_MD2.ID02950.3p-miR	7	+	8008685	8008707	GGTGGCGGCGGCGGCTCCGGGCT	22639
TJU_CMC_MD2.ID02951.3p-miR	7	+	8008852	8008874	CCACAGCGATACCCCCGCCCCTC	22640
TJU_CMC_MD2.ID02952.3p-miR	7	+	18434940	18434961	TGAGTATTTAATGAGATAATGT	22641

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TJU_CMC_MD2.ID02953.5p-miR	7	-	20370515	20370535	GCTGGCGCGCTCTGGGGTGCA	22642
TJU_CMC_MD2.ID02954.3p-miR	7	+	20389002	20389023	CAAAACCGCAATTACTTTAGCA	22643
TJU_CMC_MD2.ID02955.3p-miR	7	+	22894054	22894073	CGTCCTCGTGGCGCTTGGGC	22644
TJU_CMC_MD2.ID02956.5p-miR	7	+	23145448	23145471	GAGCGTTTCTAAGGGGGGCCGCCCG	22645
TJU_CMC_MD2.ID02957.5p-miR	7	+	23338969	23338990	GCTATGGGGCCGGGCGGCCGTG	22646
TJU_CMC_MD2.ID02958.3p-miR	7	+	23719831	23719850	ACCGGCAATGGAGCGGTTGA	22647
TJU_CMC_MD2.ID02959.3p-miR	7	-	27975561	27975582	GGCACTCCAAGTACCTCACTCC	22648
TJU_CMC_MD2.ID02960.3p-miR	7	+	28403311	28403330	ACTGTGCCATTGAAGAAGAA	22649
TJU_CMC_MD2.ID02961.5p-miR	7	+	30028676	30028695	CCCGCGGAGAACCCAGGGGC	22650
TJU_CMC_MD2.ID02962.3p-miR	7	+	30155481	30155501	CATACATGTAGGCACGCATAC	22651
TJU_CMC_MD2.ID02963.5p-miR	7	+	30174639	30174660	CCCGGCCCCGGAGGAGCCCGCG	22652
TJU_CMC_MD2.ID02964.3p-miR	7	+	30178279	30178301	TACCCAGCAGTCATTTTGGATCT	22653
TJU_CMC_MD2.ID02965.5p-miR	7	+	30201593	30201614	CAAATATAAAAGACAACATATT	22654
TJU_CMC_MD2.ID02966.5p-miR	7	-	31760618	31760641	ATCATGCCACTGAGGATTTGGTGA	22655
TJU_CMC_MD2.ID02967.3p-miR	7	+	33643534	33643556	GATGTGGTTTTGAAATCAGTGCT	22656
TJU_CMC_MD2.ID02968.3p-miR	7	+	35841479	35841499	GTCACCGCGTCGCCTCCCCGC	22657
TJU_CMC_MD2.ID02969.3p-miR	7	+	37824541	37824562	CAACAGAACCCAGAGAGTCAGC	22658
TJU_CMC_MD2.ID02970.5p-miR	7	+	38285319	38285338	TGAGGCAGGATGTCACTGTC	22659
TJU_CMC_MD2.ID02971.3p-miR	7	+	39663473	39663493	GGCGGCGGCGGGGGTGTGTCC	22660
TJU_CMC_MD2.ID02972.5p-miR	7	-	39989656	39989677	ACTCCCGGCCTAGGGCCTCGCG	22661
TJU_CMC_MD2.ID02973.3p-miR	7	+	41697462	41697483	TCAGCCGTGTCTGTTCTCTGGC	22662
TJU_CMC_MD2.ID02974.3p-miR	7	-	44084142	44084162	GTCTAGCATGCAGGTCCCGCG	22663
TJU_CMC_MD2.ID02975.3p-miR	7	+	44151050	44151071	TGGTCAGCGGGGGGACGGATTGC	22664
TJU_CMC_MD2.ID02976.5p-miR	7	+	44364791	44364810	GGCTCGCGGGTCGGGGCCGC	22665
TJU_CMC_MD2.ID02977.3p-miR	7	-	44422978	44422999	TAAGATTTTGACCAGTGGGGAG	22666
TJU_CMC_MD2.ID02978.3p-miR	7	-	44788236	44788257	GACCTGCGCCCCCAGCCCCCTC	22667
TJU_CMC_MD2.ID02979.5p-miR	7	+	44788237	44788258	AGGGGGCTGGGGGGCGCAGGTCG	22668
TJU_CMC_MD2.ID02980.3p-miR	7	+	44804911	44804934	ATTCCCCACCTGTCCCTGCCCAGC	22669
TJU_CMC_MD2.ID02981.3p-miR	7	-	45128661	45128683	ACGCCCTCCGCAGTGCCTGGCGA	22670
TJU_CMC_MD2.ID02982.3p-miR	7	+	45960417	45960437	AGCAGCGCCTGCAGCGGTCGC	22671
TJU_CMC_MD2.ID02983.3p-miR	7	-	47408390	47408410	GGTGAGCCGCTGCCCTGCAGA	22672

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TJU_CMC_MD2.ID02984.3p-miR	7	+ 50861298	50861319	CGGCCGCCAGCGCGGGAGGAGC	22673
TJU_CMC_MD2.ID02985.3p-miR	7	+ 54612452	54612471	GATCCCGGGGCCGAGGGGGC	22674
TJU_CMC_MD2.ID02986.5p-miR	7	+ 55086731	55086750	CGCAGCGCGGCCGCAGCAGC	22675
TJU_CMC_MD2.ID02987.5p-miR	7	+ 55137027	55137048	TTAGCTCGTGTGGTGATTGCTG	22676
TJU_CMC_MD2.ID02988.5p-miR	7	- 55433565	55433584	GAGCGGGGCGTCTGAGCGTG	22677
TJU_CMC_MD2.ID02989.3p-miR	7	- 55603062	55603084	CAGTGCCCTCTGAGCTCACTGAG	22678
TJU_CMC_MD2.ID02990.3p-miR	7	+ 55639886	55639905	CGCCTCGGAACTGCGCGCCC	22679
TJU_CMC_MD2.ID02991.3p-miR	7	+ 55777510	55777530	ATATATATGAGCGTATATATA	22680
TJU_CMC_MD2.ID02992.5p-miR	7	+ 55955540	55955563	GCGGCGGCGGGCGGCGGGCGGCGG	22681
TJU_CMC_MD2.ID02993.5p-miR	7	+ 63811988	63812009	AATTAGGCCCAACAGTTCCCGT	22682
TJU_CMC_MD2.ID02994.3p-miR	7	+ 64254802	64254825	CTTTGTCTCGCTGCAGCGGGTGCT	22683
TJU_CMC_MD2.ID02995.3p-miR	7	+ 65392382	65392402	ATATATAGTGGATTCTGGGAT	22684
TJU_CMC_MD2.ID02996.5p-miR	7	- 65447155	65447175	GAAGCATGGCCCGGGGGTCGG	22685
TJU_CMC_MD2.ID02998.3p-miR	7	+ 66093903	66093923	CCGCCCTCCCGCCTGCGCACT	22686
TJU_CMC_MD2.ID02999.5p-miR	7	- 66197248	66197271	AGGCTCCGTGTCCAGACGCCAGCT	22687
TJU_CMC_MD2.ID03000.5p-miR	7	- 66205410	66205430	ACGCGCAACAGCTGGAGGGCG	22688
TJU_CMC_MD2.ID03001.3p-miR	7	+ 66309489	66309512	CCTGCCCAGGATGAGCGGCGCCGG	22689
TJU_CMC_MD2.ID03002.5p-miR	7	+ 69491291	69491312	TAGCTTTAGTCACTGCCAGCAG	22690
TJU_CMC_MD2.ID03003.5p-miR	7	+ 70604660	70604682	CAGGTCTCCAAGGTGGAGTCAGA	22691
TJU_CMC_MD2.ID03004.3p-miR	7	- 71544480	71544500	GCAAACACCAATTACTCTCGT	22692
TJU_CMC_MD2.ID03005.3p-miR	7	- 71757419	71757441	CAATCACCTCTCAAAGGCCCTAT	22693
TJU_CMC_MD2.ID03006.5p-miR	7	- 72837458	72837481	ATGTGAGCCCCTGTGCCCAGCCCA	22694
TJU_CMC_MD2.ID03007.5p-miR	7	- 72971532	72971552	CCCGGACTGGAGCTGCCTGGC	22695
TJU_CMC_MD2.ID03008.5p-miR	7	+ 73442006	73442029	CGCGGGACAGCTGGCCCGTATCCT	22696
TJU_CMC_MD2.ID03009.3p-miR	7	+ 73770713	73770735	CAGCTTGGGTCTCTCCTGCTTCC	22697
TJU_CMC_MD2.ID03011.5p-miR	7	- 74459144	74459165	GCAAGAAAGTGAGACTCTGCCT	22698
TJU_CMC_MD2.ID03012.3p-miR	7	- 74867604	74867623	CAGCTGCTCCCCGCGCCGGG	22699
TJU_CMC_MD2.ID03013.5p-miR	7	- 75157373	75157395	TGGCCTGCAGTGGACGAGCATCG	22700
TJU_CMC_MD2.ID03014.3p-miR	7	- 75544184	75544205	GCGGCTTCTACAGCTCGGACCC	22701

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TJU_CMC_MD2.ID03015.3p-miR	7	-	75623914	75623933	GGGTTGCTGCGCCGTCCTCC	22702
TJU_CMC_MD2.ID03016.3p-miR	7	+	77045322	77045344	TGGCCCGGGCTCTGCCCCCAGAC	22703
TJU_CMC_MD2.ID03017.5p-miR	7	+	77045780	77045802	CCCTGGCCTGAGAAGCTCCGGCA	22704
TJU_CMC_MD2.ID03018.3p-miR	7	+	80283655	80283676	CAAAAACCGTAATTACTTGTGT	22705
TJU_CMC_MD2.ID03019.5p-miR	7	-	88389097	88389118	CCTGCTGCCGACAGCTGCTGCT	22706
TJU_CMC_MD2.ID03020.3p-miR	7	-	92219649	92219671	GCCCTCTTCGGCAGTCTCTCCGG	22707
TJU_CMC_MD2.ID03022.3p-miR	7	+	93806172	93806193	ACTCCATTTTCCATAGGACTTA	22708
TJU_CMC_MD2.ID03023.3p-miR	7	-	97910461	97910482	TCAGCTGCGGCGCATTCCCTCC	22709
TJU_CMC_MD2.ID03024.5p-miR	7	+	98014286	98014307	CAGGCATGAGCCACGGCAATCA	22710
TJU_CMC_MD2.ID03025.5p-miR	7	+	99613299	99613318	GTCAGCTCCCCTTTCTCGCC	22711
TJU_CMC_MD2.ID03026.5p-miR	7	+	99691281	99691302	GCTGTCCTGTGAGGGAGACCAG	22712
TJU_CMC_MD2.ID03027.3p-miR	7	-	99716935	99716958	GCGCCGGGTGAGCAGCGTCTCGGC	22713
TJU_CMC_MD2.ID03028.3p-miR	7	+	100028018	100028040	CCCCTGCTCCTCCTCGACCCCGC	22714
TJU_CMC_MD2.ID03029.3p-miR	7	+	100028433	100028453	ACACCGGGGACAGCACCACCA	22715
TJU_CMC_MD2.ID03030.3p-miR	7	-	100033705	100033728	CCTCGCGCCCACCTGGTCACTGCC	22716
TJU_CMC_MD2.ID03031.5p-miR	7	-	100048424	100048446	CCCTCGGTCTAGTCTGGCCACCT	22717
TJU_CMC_MD2.ID03032.3p-miR	7	+	100271057	100271080	CCTTCCCAGTCTGGAGCCACCCAT	22718
TJU_CMC_MD2.ID03033.3p-miR	7	+	100494672	100494693	TCTAACCGCCGCGCGCCCCGCA	22719
TJU_CMC_MD2.ID03034.5p-miR	7	+	101932241	101932262	CTTCCCGGGGCTACGCTCATTC	22720
TJU_CMC_MD2.ID03035.3p-miR	7	+	101944141	101944162	GACACCTCTGCACTCAAGGCGG	22721
TJU_CMC_MD2.ID03036.3p-miR	7	+	102106236	102106258	CCCCTAAGCCTTCTGCCCCCAAC	22722
TJU_CMC_MD2.ID03037.3p-miR	7	+	102111955	102111976	CAGCCCCTGGGCCGCCGCCTCC	22723
TJU_CMC_MD2.ID03038.3p-miR	7	+	106685214	106685236	CCGCCGGGGCCCAGTGCGCCGCG	22724
TJU_CMC_MD2.ID03039.3p-miR	7	-	107184623	107184644	TGAGTCAGGCCTGGTCTTGGGT	22725
TJU_CMC_MD2.ID03040.3p-miR	7	-	107384462	107384483	CAAAGACTTCCTTCTCTCGCCT	22726
TJU_CMC_MD2.ID03041.3p-miR	7	-	107439650	107439669	CGGCAATGTAGTAATAGAAT	22727
TJU_CMC_MD2.ID03042.5p-miR	7	-	107642218	107642240	TTTTTTTCGGGCTCCACTCCCTG	22728
TJU_CMC_MD2.ID03044.3p-miR	7	+	110608221	110608240	GGACTCATTTTCAGGAAGGT	22729
TJU_CMC_MD2.ID03045.3p-miR	7	+	114562216	114562238	CGGCTCTGGCCTCCTGACCCAGA	22730

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TJU_CMC_MD2.ID03046.3p-miR	7	+	116660317	116660340	CTGCTGCTCCCAGTCCTGCCCCTG	22731
TJU_CMC_MD2.ID03047.3p-miR	7	+	121513794	121513817	CGCCCCCTCCCCCGCCCCGCGCCCT	22732
TJU_CMC_MD2.ID03048.3p-miR	7	-	124097636	124097659	TTGGGTAAGGTTGAGATTCTGCAT	22733
TJU_CMC_MD2.ID03049.5p-miR	7	-	124405951	124405970	GGGCGCGCGCAGCGGCTGGA	22734
TJU_CMC_MD2.ID03050.3p-miR	7	-	126698163	126698184	TCATCACGTGGTGACGCAACAT	22735
TJU_CMC_MD2.ID03051.3p-miR	7	+	127672645	127672664	CGGCGGCCCGCGGCGGGGCT	22736
TJU_CMC_MD2.ID03052.5p-miR	7	-	128171079	128171098	GGCGTCCTGCGACTGCCCGA	22737
TJU_CMC_MD2.ID03053.3p-miR	7	+	129252166	129252187	GCCGGGCTGGGGCGCGGGAGCC	22738
TJU_CMC_MD2.ID03054.3p-miR	7	+	129793444	129793465	TCCTCCCTCTCCCTGCCTGGTC	22739
TJU_CMC_MD2.ID03055.5p-miR	7	+	130131951	130131973	CACCTCCTCTGCGGCAGCTGCGC	22740
TJU_CMC_MD2.ID03056.3p-miR	7	+	131012593	131012615	CCACGCCCCCTCCCCTCCTCCCG	22741
TJU_CMC_MD2.ID03057.3p-miR	7	+	132468613	132468633	TAGTGTTGCTCAGAATCAACG	22742
TJU_CMC_MD2.ID03058.3p-miR	7	-	133978353	133978376	ACCAGGAGATTCCCCTCTGCCCGA	22743
TJU_CMC_MD2.ID03059.3p-miR	7	+	134855600	134855622	TCGGAGGTCCGCGGGCGCCCCAT	22744
TJU_CMC_MD2.ID03060.3p-miR	7	-	138666295	138666317	CCGCAGGCAGGCAGGCAGGCAGG	22745
TJU_CMC_MD2.ID03061.3p-miR	7	-	138728849	138728870	TACTCTCTCGGACAAGCTGTAG	22746
TJU_CMC_MD2.ID03061.5p-miR	7	-	138728883	138728903	AATTACAGATTGTCTCAGAGA	22747
TJU_CMC_MD2.ID03062.3p-miR	7	-	139208503	139208524	CCGGCTCCCCGCGCTGGAGCCT	22748
TJU_CMC_MD2.ID03063.3p-miR	7	+	139553949	139553970	AGCCCTGAGAGTGAGGACCTCC	22749
TJU_CMC_MD2.ID03063.5p-miR	7	+	139553910	139553931	ACTCTCAGGGTTGTACAAGAGC	22750
TJU_CMC_MD2.ID03064.3p-miR	7	+	139876159	139876182	GGGGCGGGGCGGCGGCGGCCCGGG	22751
TJU_CMC_MD2.ID03065.3p-miR	7	+	139876870	139876890	CGGCTGGCGGAGGGGGGAGGAG	22752
TJU_CMC_MD2.ID03066.3p-miR	7	-	142157356	142157377	CCACAGTGTGGCACAGTCGTGT	22753
TJU_CMC_MD2.ID03066.5p-miR	7	-	142157388	142157408	TCGGCTGTGTATCTCTGTGCC	22754
TJU_CMC_MD2.ID03067.5p-miR	7	+	143078418	143078438	AGGCTGCTCCGGACCGGGACG	22755
TJU_CMC_MD2.ID03068.3p-miR	7	-	143088628	143088650	CCCCACCCTTCCTTGCCCACAGG	22756
TJU_CMC_MD2.ID03069.5p-miR	7	-	149194814	149194837	CCCAGGATGCAGTGTGGACCGGCC	22757
TJU_CMC_MD2.ID03070.3p-miR	7	+	149482604	149482625	GCCAGCGGCGCAGTGGGCGGTG	22758

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TJU_CMC_MD2.ID03071.3p-miR	7	+	149516785	149516806	TGGCCGTTCTCTTTCCCACAGT	22759
TJU_CMC_MD2.ID03072.5p-miR	7	-	150069009	150069028	TCGACGGCATCTCCACCGGG	22760
TJU_CMC_MD2.ID03073.3p-miR	7	-	150076124	150076146	TCGGGCCCCAGATGGCCGGCGGC	22761
TJU_CMC_MD2.ID03074.5p-miR	7	-	150413627	150413648	AGCTCAGGGTGGGCCCCATGGT	22762
TJU_CMC_MD2.ID03075.5p-miR	7	+	150417595	150417616	ACACAGAGAACCGGGCCTTGCG	22763
TJU_CMC_MD2.ID03076.5p-miR	7	-	150655369	150655388	CGGGCCCGCGGAGGAGCGGC	22764
TJU_CMC_MD2.ID03077.3p-miR	7	+	150676313	150676335	CCTGGCCTAGCCGCAGGCCCCTC	22765
TJU_CMC_MD2.ID03078.3p-miR	7	+	150761591	150761613	CAAGTCCCCCTCCTCCCTGCAGA	22766
TJU_CMC_MD2.ID03079.5p-miR	7	-	150777454	150777477	AGCCCGCGTTCCACCCTCTGTGCC	22767
TJU_CMC_MD2.ID03080.5p-miR	7	-	152133590	152133609	GCGAGTTGGAGAGGTCTGTG	22768
TJU_CMC_MD2.ID03081.5p-miR	7	-	154074944	154074965	GCCTGGTCTAGCATGCTATAAT	22769
TJU_CMC_MD2.ID03082.3p-miR	7	+	155089779	155089798	CCCGCTGGGGCCGGGGATGC	22770
TJU_CMC_MD2.ID03083.5p-miR	7	+	155246782	155246804	CCCACCCCTGCTCCCCGCGCCCC	22771
TJU_CMC_MD2.ID03084.3p-miR	7	-	155383153	155383175	TGGCTTGTAGATAGCAGGCTGGC	22772
TJU_CMC_MD2.ID03085.5p-miR	7	-	155602677	155602698	GTGTCCCCGGCGGCGGGGGCGC	22773
TJU_CMC_MD2.ID03086.5p-miR	7	-	155647551	155647573	TGTGCAAATCTATATGGAACTGA	22774
TJU_CMC_MD2.ID03087.3p-miR	7	-	155973071	155973091	TCTCACCTGATTCCCTCTCTA	22775
TJU_CMC_MD2.ID03088.3p-miR	7	-	156400518	156400537	GATGCCCCGGGCCGCCGCCT	22776
TJU_CMC_MD2.ID03089.5p-miR	7	-	156741853	156741876	CGCGCGGGTCGGCGCGGTGCCGGA	22777
TJU_CMC_MD2.ID03090.3p-miR	7	-	158351683	158351702	CTGGACCCCCCCAGTGTGGCC	22778
TJU_CMC_MD2.ID03091.5p-miR	8	-	356798	356819	TGCCCCTCCGTCCGCGCGCGTC	22779
TJU_CMC_MD2.ID03092.3p-miR	8	-	494805	494828	TCCGGCGCCGGGAGGGACGCGGA	22780
TJU_CMC_MD2.ID03093.3p-miR	8	+	698367	698388	ACTGAGGTCCACAGAGCCAGCT	22781
TJU_CMC_MD2.ID03093.5p-miR	8	+	698328	698348	AGGCTCTGGTGCTTTCTGTCT	22782
TJU_CMC_MD2.ID03096.5p-miR	8	+	1734341	1734361	GCCAGCAGCCTGGCTCCCAGG	22783
TJU_CMC_MD2.ID03097.3p-miR	8	+	1949638	1949660	CCTGAGGAGCGCGCGTGCCCGGA	22784
TJU_CMC_MD2.ID03098.3p-miR	8	+	1949724	1949744	GCCCGGGGAGCCCGCGCCCGT	22785
TJU_CMC_MD2.ID03099.3p-miR	8	-	2380673	2380694	CACGGATATGGAACCCACGATA	22786
TJU_CMC_MD2.ID03100.3p-miR	8	+	6636778	6636799	AGCCCTGGAGGTAGAGACTGCA	22787
TJU_CMC_MD2.ID03101.3p-miR	8	-	9912172	9912192	GCCTTCCGTGTGGCCAGTGCT	22788
TJU_CMC_MD2.ID03102.5p-miR	8	+	10699734	10699754	TGGCCAGAAAGCAGCTAAACA	22789

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TJU_CMC_MD2.ID03104.3p-miR	8	-	11400518	11400537	CCCATACAGCAGAAAGCACT	22790
TJU_CMC_MD2.ID03105.3p-miR	8	+	11660564	11660584	TTCCCGTCCCCCTTTCCTCGA	22791
TJU_CMC_MD2.ID03106.3p-miR	8	-	11702151	11702172	TCCCAGGCCCCCTGCATCTATC	22792
TJU_CMC_MD2.ID03107.3p-miR	8	+	12584787	12584810	TGCCTGCTTTTTGGCCAGCTCCAT	22793
TJU_CMC_MD2.ID03108.5p-miR	8	-	12613058	12613077	GCCCCGCCCTCGGGGCTTCC	22794
TJU_CMC_MD2.ID03110.3p-miR	8	+	17104508	17104528	GGGCCGTGAAGGTGGGACCTC	22795
TJU_CMC_MD2.ID03111.5p-miR	8	-	17539134	17539155	TGAGCAAAAGTAATTGCGGTTT	22796
TJU_CMC_MD2.ID03112.5p-miR	8	-	18961113	18961133	TTGTACTTCAGAATCTCCAGG	22797
TJU_CMC_MD2.ID03113.3p-miR	8	-	21960438	21960459	ACCGCCCTGGTGCTGGCTCAGA	22798
TJU_CMC_MD2.ID03114.3p-miR	8	-	21999310	21999330	CTCCAGCGCGGGACCAGCAGC	22799
TJU_CMC_MD2.ID03115.5p-miR	8	-	22102520	22102541	GCCTTCTCTTCCCGGTTCTTCC	22800
TJU_CMC_MD2.ID03116.3p-miR	8	+	22108648	22108668	GCACTCAATAAACGTTCATGT	22801
TJU_CMC_MD2.ID03117.3p-miR	8	+	22224796	22224815	GACGCAGTGAGGGGGGTCGG	22802
TJU_CMC_MD2.ID03118.3p-miR	8	-	22411586	22411606	GGAAGTGGGGCAGCCGGCAGA	22803
TJU_CMC_MD2.ID03119.5p-miR	8	+	22462376	22462399	CCGCCCCTCTGCCCCTTCGCCCCT	22804
TJU_CMC_MD2.ID03120.3p-miR	8	+	22856935	22856955	AGCGCGGGCGGTGGGCGGGAG	22805
TJU_CMC_MD2.ID03121.3p-miR	8	-	23207292	23207314	TGGGTCCTCAAACATGGTTGGAA	22806
TJU_CMC_MD2.ID03122.3p-miR	8	-	23305254	23305274	AATGGCAATCCACATGATCTG	22807
TJU_CMC_MD2.ID03123.5p-miR	8	+	23386886	23386907	TGGGCGCCGCGCCTTCCGCCGA	22808
TJU_CMC_MD2.ID03124.3p-miR	8	+	25042412	25042433	GAGGTCGCCGCCATGGCCCGCT	22809
TJU_CMC_MD2.ID03125.3p-miR	8	-	27157215	27157236	TGGGAATGAGGCTTTGGGCGAC	22810
TJU_CMC_MD2.ID03126.5p-miR	8	-	27588509	27588530	CCCCCAAAGCCCAGGAGGTCCT	22811
TJU_CMC_MD2.ID03127.5p-miR	8	-	27630120	27630139	GCCGCCGCGAGTCTGGTATC	22812
TJU_CMC_MD2.ID03128.5p-miR	8	-	28158906	28158927	TGGCATGGTTGGGAGCAATTGT	22813
TJU_CMC_MD2.ID03129.3p-miR	8	-	28243647	28243666	GCGGCCGGAGCGGAGCCGGG	22814
TJU_CMC_MD2.ID03130.5p-miR	8	-	28269959	28269982	GCCGAGGACGAGCCACGCGCCCAA	22815
TJU_CMC_MD2.ID03131.3p-miR	8	+	28603085	28603105	CCTTATATATCCTTTCTTATG	22816
TJU_CMC_MD2.ID03132.5p-miR	8	-	28925027	28925049	AACAGCTTCTCTATGTGTGGATT	22817

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TJU_CMC_MD2.ID03133.3p-miR	8	+	37357304	37357323	ATATAGTGTGGTCTATAGCA	22818
TJU_CMC_MD2.ID03134.3p-miR	8	+	38034345	38034365	CCGTGGGGAGCGGGGCGGGAA	22819
TJU_CMC_MD2.ID03135.5p-miR	8	-	38131610	38131632	ACCTGGTAGCATTTATTTTCCCT	22820
TJU_CMC_MD2.ID03136.3p-miR	8	+	38644775	38644796	GAGCAGCAGAGGTCTAGCAGCC	22821
TJU_CMC_MD2.ID03137.5p-miR	8	-	38758609	38758628	GCGGGGGCGGGGCGCCCGGA	22822
TJU_CMC_MD2.ID03138.3p-miR	8	+	41518004	41518026	CGGGGCAGCTCAGTACAGGATGC	22823
TJU_CMC_MD2.ID03138.5p-miR	8	+	41517962	41517985	TCCTGTACTGAGCTGCCCCGAGCT	22824
TJU_CMC_MD2.ID03139.5p-miR	8	-	41692090	41692111	CCAGCCGCACCTGTGCAACTGT	22825
TJU_CMC_MD2.ID03140.3p-miR	8	-	41733457	41733477	GCGCCCGGGCGCGCGCCGGCC	22826
TJU_CMC_MD2.ID03141.3p-miR	8	-	41909812	41909835	GAGACGGGAGAGGAGGAACCCCCG	22827
TJU_CMC_MD2.ID03141.5p-miR	8	-	41909855	41909875	AGCTCCTCCTCTCCCGGGTCG	22828
TJU_CMC_MD2.ID03142.5p-miR	8	-	42128753	42128772	AGGCAGACCAGGTCCGGATG	22829
TJU_CMC_MD2.ID03143.3p-miR	8	-	42396398	42396421	GCCCACGTGGACCTGGCCGTCGCT	22830
TJU_CMC_MD2.ID03144.5p-miR	8	-	48173340	48173362	AGTGCCCCGCGGAGAGTCGAGCT	22831
TJU_CMC_MD2.ID03145.5p-miR	8	+	48873542	48873562	CGAGCGTCGTCGGCAAGCGGC	22832
TJU_CMC_MD2.ID03146.5p-miR	8	+	48921199	48921218	GCCCCGGCGGCCGTCGGGTT	22833
TJU_CMC_MD2.ID03147.5p-miR	8	-	52811659	52811679	CTCTGCGCATGCCCGGACCCC	22834
TJU_CMC_MD2.ID03148.3p-miR	8	-	54164182	54164203	GCCGCCAGTAGTGGGAGACGTG	22835
TJU_CMC_MD2.ID03149.5p-miR	8	+	54935558	54935579	ACCTGAGCCACTGCACCCGGCT	22836
TJU_CMC_MD2.ID03150.3p-miR	8	+	59323992	59324013	TTCCGGGCCGCGGCCTCCGAGC	22837
TJU_CMC_MD2.ID03151.3p-miR	8	+	65493950	65493969	CGGCGGCGGCGGCGGGGGTA	22838
TJU_CMC_MD2.ID03153.3p-miR	8	+	71314807	71314828	GACCCCGGCCCCCTCCCCCAGC	22839
TJU_CMC_MD2.ID03154.3p-miR	8	+	71520676	71520699	TGGTGCCGCGGCCGCCTCCGCGAG	22840
TJU_CMC_MD2.ID03155.3p-miR	8	+	72744890	72744912	AAACCTCAGTAACTTTGCACCA	22841
TJU_CMC_MD2.ID03156.5p-miR	8	-	74198021	74198044	CCGCCCCGACGCCGTGGCCAGCCC	22842
TJU_CMC_MD2.ID03157.5p-miR	8	+	74206839	74206860	AGCCGGCCCGGAGCGCTCTGAC	22843
TJU_CMC_MD2.ID03158.5p-miR	8	+	74903858	74903879	TACACTGTTGTGGCTGGAACAC	22844
TJU_CMC_MD2.ID03161.3p-miR	8	-	79578181	79578202	TCCTCCTGGCTGCCACCCCTGT	22845
TJU_CMC_MD2.ID03162.3p-miR	8	+	79637652	79637673	CTTGGGCATTGTTTCTGGCTGA	22846
TJU_CMC_MD2.ID03163.3p-miR	8	-	80680196	80680219	TCGGCCTCGCTCCCGCCCCTCCCC	22847

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TJU_CMC_MD2.ID03164.3p-miR	8	-	86988308	86988328	CTCATAGGCTCCTCTGCTTCT	22848
TJU_CMC_MD2.ID03165.5p-miR	8	-	91657896	91657918	CCACGGTCCGCCCGAGGCTTCGG	22849
TJU_CMC_MD2.ID03166.5p-miR	8	-	96146520	96146542	CCCGCGGCGGCGGCGGCGTCCTA	22850
TJU_CMC_MD2.ID03168.3p-miR	8	+	99306577	99306596	CCTCGGGGAGCCCGGCGGTC	22851
TJU_CMC_MD2.ID03169.5p-miR	8	+	99307058	99307079	GCTTCAGATGGGATCAGGTGGA	22852
TJU_CMC_MD2.ID03171.5p-miR	8	+	101964853	101964872	AGGGCCGTCCCCGGGCAGGA	22853
TJU_CMC_MD2.ID03172.3p-miR	8	+	102218399	102218419	CCAGGACACCGCGGCCCCGGC	22854
TJU_CMC_MD2.ID03173.3p-miR	8	-	102506021	102506041	GCGCAGGCTGTGGCTCCCCGA	22855
TJU_CMC_MD2.ID03174.5p-miR	8	-	103424323	103424342	TCCCCCACGGGCCGTGCCGG	22856
TJU_CMC_MD2.ID03175.3p-miR	8	-	103819284	103819305	TCCTTCAGTCGCCCGCCGTCAG	22857
TJU_CMC_MD2.ID03176.5p-miR	8	-	103822648	103822668	TCCGCAGCAGGGAGAGCCCGG	22858
TJU_CMC_MD2.ID03177.5p-miR	8	+	103875537	103875556	CCAGCCGTTGCAGCCCACAG	22859
TJU_CMC_MD2.ID03178.5p-miR	8	-	104427258	104427280	GGTCCCGGAGGTGGGGTTGCGCT	22860
TJU_CMC_MD2.ID03179.5p-miR	8	-	107282502	107282523	GGGCTGGGCGGGCGCGGCGCCGG	22861
TJU_CMC_MD2.ID03180.5p-miR	8	+	107282451	107282470	TGGGCTGCGTCAGGCTGAGC	22862
TJU_CMC_MD2.ID03181.3p-miR	8	+	107300813	107300834	TACACACCATATATATACTCTC	22863
TJU_CMC_MD2.ID03182.3p-miR	8	+	107923761	107923782	CAAGAACCGTAATTACTTTTGT	22864
TJU_CMC_MD2.ID03183.3p-miR	8	-	116546694	116546717	TTAGAGCTTCAACCTCCAGTGTGA	22865
TJU_CMC_MD2.ID03184.3p-miR	8	+	128750066	128750089	CTAGCGCCCAGGCGCCTCTCGCCT	22866
TJU_CMC_MD2.ID03185.5p-miR	8	-	130496353	130496374	TTACCTTCTCTTACAGATCACT	22867
TJU_CMC_MD2.ID03186.3p-miR	8	-	130951934	130951955	CTCCGGACCCGGGGCTCCCCCT	22868
TJU_CMC_MD2.ID03187.3p-miR	8	-	131370879	131370899	CCCGTGACTGCAGCGCGAGCG	22869
TJU_CMC_MD2.ID03188.3p-miR	8	-	131540318	131540338	TCTCTATTTCTTGTGTTCCCT	22870
TJU_CMC_MD2.ID03188.5p-miR	8	-	131540352	131540374	AGGAACACAGGAAATAAAGTGCT	22871
TJU_CMC_MD2.ID03189.3p-miR	8	-	135576101	135576122	GCTGGCTGGCTCACAGAACAGT	22872
TJU_CMC_MD2.ID03190.5p-miR	8	-	141467809	141467829	GCCCAGAGCCTGGGAAGTGGC	22873
TJU_CMC_MD2.ID03191.3p-miR	8	+	141645872	141645892	GCGCGCGGGCGGGGTCCGCGG	22874
TJU_CMC_MD2.ID03192.5p-miR	8	-	142138414	142138433	GTGCGCGGCGTCGGAGCAAG	22875
TJU_CMC_MD2.ID03193.3p-miR	8	-	143693614	143693636	GACCCGCGCTTTCTCTCCCCCAG	22876

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TJU_CMC_MD2.ID03194.3p-miR	8	-	143807900	143807919	TCGGCTGTCCTGTGCCCCTT	22877
TJU_CMC_MD2.ID03195.3p-miR	8	-	143808493	143808514	GCGGGCGGCGCGCTGAGCGCCA	22878
TJU_CMC_MD2.ID03196.3p-miR	8	-	143854675	143854698	TCCCAGAGCTCCCAAGGGCCCCCA	22879
TJU_CMC_MD2.ID03197.5p-miR	8	+	143867205	143867226	CCTGCTGCCCTTGCCCTAGGCC	22880
TJU_CMC_MD2.ID03198.3p-miR	8	+	143927177	143927197	CGATCGATAACCTTCACCAGA	22881
TJU_CMC_MD2.ID03199.5p-miR	8	+	144373605	144373625	CTGCTCTGGACGCTGAGGCCC	22882
TJU_CMC_MD2.ID03200.3p-miR	8	-	144480370	144480391	CTGGCGGAGCTTCCGAATATCC	22883
TJU_CMC_MD2.ID03201.3p-miR	8	-	144550470	144550492	TCCCTGCCGGCCCTTCCTCATAC	22884
TJU_CMC_MD2.ID03202.3p-miR	8	-	144554850	144554872	CCCACGTTTGTTGGGCTGGGTGG	22885
TJU_CMC_MD2.ID03204.3p-miR	8	-	144659982	144660004	CTCCCTCGCCTTCCCCGGAGTGA	22886
TJU_CMC_MD2.ID03205.3p-miR	8	-	144660322	144660344	CCGTTCGGCGGCGCCTTCGCCTT	22887
TJU_CMC_MD2.ID03206.5p-miR	8	+	144897567	144897586	CGGCGGCGGCGCTCGGCGGG	22888
TJU_CMC_MD2.ID03207.3p-miR	8	-	144898992	144899012	TTCCCCTCGGCCCTGCCCCAC	22889
TJU_CMC_MD2.ID03208.5p-miR	8	-	145006766	145006789	GGGCCAGCCGGGGGGAGGTGGGTAG	22890
TJU_CMC_MD2.ID03209.5p-miR	8	-	145047686	145047707	CCGCGGGGACAGAGTGGCCGCC	22891
TJU_CMC_MD2.ID03210.5p-miR	8	+	145060650	145060673	GGAGGGAGCAGCTGGGCCCTGGGC	22892
TJU_CMC_MD2.ID03211.3p-miR	8	-	145107229	145107250	GCGACCAGGTGCCCTCACCAGG	22893
TJU_CMC_MD2.ID03212.5p-miR	8	+	145137562	145137581	GAGCAGCCTGTGGGCACCGC	22894
TJU_CMC_MD2.ID03213.5p-miR	8	-	145150347	145150369	CCACGGCAGCTAGCCCGTCCCGC	22895
TJU_CMC_MD2.ID03214.3p-miR	8	-	145154111	145154132	CAGTCCTGAGCTCCACCCCCTC	22896
TJU_CMC_MD2.ID03215.3p-miR	8	+	145552478	145552497	TCAGAGAGGTCTGGACCTGG	22897
TJU_CMC_MD2.ID03216.3p-miR	8	+	145561490	145561511	CGCGGGTGCCTCTGTCCCCAAT	22898
TJU_CMC_MD2.ID03217.5p-miR	8	+	145584178	145584197	TGCGGGTGGAACTCAGGGCT	22899
TJU_CMC_MD2.ID03218.3p-miR	8	+	145597743	145597763	TAAGCGGCGCCGGGCGGGAGA	22900
TJU_CMC_MD2.ID03219.3p-miR	8	+	145643889	145643910	GTAGGCCTCAGTGCTGGGCTAC	22901
TJU_CMC_MD2.ID03220.3p-miR	8	+	145661047	145661068	CTGGCCTGCCGCAGAGCTGTCC	22902
TJU_CMC_MD2.ID03221.5p-miR	8	-	145687903	145687922	CGGCGGCGGCGGCTCTGGGC	22903
TJU_CMC_MD2.ID03222.5p-miR	8	-	145742950	145742970	GGCGGCGGGGGCGAGAAGACA	22904
TJU_CMC_MD2.ID03223.5p-miR	8	-	145816763	145816785	GGCCTCAAGACAAGTTTCCTGCA	22905
TJU_CMC_MD2.ID03224.5p-miR	8	+	146026858	146026880	CCCGCCTGGGCAACAAGAGCGAG	22906

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TJU_CMC_MD2.ID03225.3p-miR	8	- 146045933	146045955	GCTCCTGCCTTGCCGGAGTCTGT	22907
TJU_CMC_MD2.ID03226.3p-miR	9	+ 215133	215152	CCGCGGCGGGGGCGCGCCTGA	22908
TJU_CMC_MD2.ID03227.3p-miR	9	+ 396337	396359	TCTCCTTACTGTAGTTTCAGGAA	22909
TJU_CMC_MD2.ID03228.5p-miR	9	- 1288724	1288746	TGCTATTACAAAGTTGCATATAT	22910
TJU_CMC_MD2.ID03229.5p-miR	9	+ 2622156	2622177	CGGCGGCGGCGGCGCACCATC	22911
TJU_CMC_MD2.ID03230.5p-miR	9	- 3525628	3525649	GTGGCTGTGCTGGGGTCTCACT	22912
TJU_CMC_MD2.ID03231.5p-miR	9	- 4490284	4490307	CTGCGGCAGGAGCTGGGGCGGCCT	22913
TJU_CMC_MD2.ID03232.3p-miR	9	+ 4740839	4740858	CCCGCAGCCAGGGACCCGCG	22914
TJU_CMC_MD2.ID03233.5p-miR	9	+ 4804651	4804674	TCCAACGCCCCGATGCCCCTGGCC	22915
TJU_CMC_MD2.ID03234.5p-miR	9	+ 4850308	4850330	TCGGTTATCATGGTACCGATGCT	22916
TJU_CMC_MD2.ID03235.3p-miR	9	- 5437834	5437854	GGCGAAAGGAGCCCGGGCCTG	22917
TJU_CMC_MD2.ID03236.3p-miR	9	- 5509901	5509921	AGCACATTTAGGAATAGGGGA	22918
TJU_CMC_MD2.ID03236.5p-miR	9	- 5509943	5509964	TCCCCTATTCTTATATGTGCTC	22919
TJU_CMC_MD2.ID03237.3p-miR	9	+ 5509944	5509965	AGCACATATAAGAATAGGGGAA	22920
TJU_CMC_MD2.ID03238.3p-miR	9	- 6007989	6008011	TCCTCTTCTCTCCCCCCTCCTCG	22921
TJU_CMC_MD2.ID03239.5p-miR	9	+ 6029661	6029682	ACGCAGGAGTCTTGTATCTTTT	22922
TJU_CMC_MD2.ID03240.3p-miR	9	+ 6411179	6411200	CCCAATGACTTTTGCACCAACC	22923
TJU_CMC_MD2.ID03241.5p-miR	9	+ 6413212	6413232	CTGCGCGGCGCAGACATGGCC	22924
TJU_CMC_MD2.ID03242.5p-miR	9	+ 6757995	6758014	TCGCCGCTGCCTCCCACCCA	22925
TJU_CMC_MD2.ID03243.3p-miR	9	- 7967921	7967943	TGGTTAGGAATGTGGGATCTGGA	22926
TJU_CMC_MD2.ID03244.3p-miR	9	+ 7967958	7967979	TGGTTAGGAATGTGGGCTCTGG	22927
TJU_CMC_MD2.ID03244.5p-miR	9	+ 7967926	7967946	ATCCCACATTCCTAACCACCT	22928
TJU_CMC_MD2.ID03245.5p-miR	9	+ 10967882	10967905	CCCCACGATATAGGGAGTGATGGC	22929
TJU_CMC_MD2.ID03246.3p-miR	9	+ 12775899	12775921	ACTGCAGCTTCCCTCCCTCCTTG	22930
TJU_CMC_MD2.ID03247.3p-miR	9	- 14347260	14347280	CCCCCACTCTCAGTGCCTCGA	22931
TJU_CMC_MD2.ID03248.3p-miR	9	+ 15307283	15307302	TCCCCGCCCCCGGAGCCGGC	22932
TJU_CMC_MD2.ID03249.3p-miR	9	+ 20140763	20140784	TCCTGGTTTGGACAATACATTA	22933
TJU_CMC_MD2.ID03250.5p-miR	9	- 20411199	20411221	CTTGTAATGGAGAACACTAAGCT	22934

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TJU_CMC_MD2.ID03251.5p-miR	9	+	21965035	21965058	CCCAGGAAGGATCCCAGCCAGTTT	22935
TJU_CMC_MD2.ID03252.5p-miR	9	+	27079519	27079540	CTAGGGATTTGGATGTGAACAG	22936
TJU_CMC_MD2.ID03253.3p-miR	9	+	30845960	30845979	AGGAGTACTGATGAGATCTC	22937
TJU_CMC_MD2.ID03254.5p-miR	9	-	32456348	32456368	AAAAGCTGTCCACTGTAGAGT	22938
TJU_CMC_MD2.ID03256.3p-miR	9	-	34637723	34637743	CAGGCCCCGGCTCCCTCCTGA	22939
TJU_CMC_MD2.ID03257.3p-miR	9	+	34995566	34995589	CAATGTGTGAATGACACTCCCTAA	22940
TJU_CMC_MD2.ID03258.5p-miR	9	-	35060503	35060524	AGTATCCTGTGGAGCACCCAGA	22941
TJU_CMC_MD2.ID03259.3p-miR	9	-	35719491	35719510	CCGGATGCTAGCTTCCGGGT	22942
TJU_CMC_MD2.ID03260.3p-miR	9	+	35749169	35749188	GCCAGCCCGTGGGAAGGTGA	22943
TJU_CMC_MD2.ID03261.5p-miR	9	-	35791652	35791671	CCCCGCGCGCGCCGCTCGTC	22944
TJU_CMC_MD2.ID03262.5p-miR	9	+	36893461	36893482	AAGCCTGTCCCTAAATCCTTCC	22945
TJU_CMC_MD2.ID03263.3p-miR	9	+	37157068	37157089	ACACCAAAACAATGAAAACAGA	22946
TJU_CMC_MD2.ID03263.5p-miR	9	+	37157026	37157048	GTTATCATTGTTTTAGTGTTTGT	22947
TJU_CMC_MD2.ID03265.3p-miR	9	-	37465371	37465391	CTGGCTGGAGGAGCTAGGGGA	22948
TJU_CMC_MD2.ID03266.5p-miR	9	+	37501454	37501476	TAGCAGTGCCCAGGTAGAGTGTA	22949
TJU_CMC_MD2.ID03267.3p-miR	9	-	37804225	37804246	TCTTTAGGAACTCTGGCTAACT	22950
TJU_CMC_MD2.ID03268.3p-miR	9	+	37804261	37804282	TCTTCAGGAACTCTGGCTAACT	22951
TJU_CMC_MD2.ID03269.5p-miR	9	-	68998507	68998527	TTCTGGTACTCTGCATGAGGG	22952
TJU_CMC_MD2.ID03270.3p-miR	9	-	72873732	72873752	AGGCAGGACTGGGTGGAGACG	22953
TJU_CMC_MD2.ID03272.5p-miR	9	-	74980097	74980118	CGGCCGGGACGCGGAGCTGTGT	22954
TJU_CMC_MD2.ID03273.3p-miR	9	+	77703450	77703471	CTGCGTCCGCTCTTCCCGCAGC	22955
TJU_CMC_MD2.ID03274.3p-miR	9	+	79172800	79172821	CTAGCCTTAGGGTTTAGTAATC	22956
TJU_CMC_MD2.ID03275.5p-miR	9	+	79792416	79792436	CGCGCAGACTTGCGCACGCGT	22957
TJU_CMC_MD2.ID03276.5p-miR	9	+	80647061	80647084	CGGCCCCCGCGGGCTCTGCGGACG	22958
TJU_CMC_MD2.ID03277.5p-miR	9	-	80647391	80647410	GCAGACAGGCACAGCCCGGG	22959
TJU_CMC_MD2.ID03278.3p-miR	9	+	80912061	80912082	CCAGGAACGCCAGCCGTTCACG	22960
TJU_CMC_MD2.ID03279.3p-miR	9	+	86535986	86536006	GGACCCGCTCCTCAGGGCTGA	22961
TJU_CMC_MD2.ID03279.5p-miR	9	+	86535937	86535960	TGCGCTCTGAAAGGCCGGGTCCCG	22962
TJU_CMC_MD2.ID03280.3p-miR	9	+	88357152	88357173	CAGCCCCGGCCACCGCCCCTCC	22963
TJU_CMC_MD2.ID03282.3p-miR	9	-	88969255	88969278	CCTTCTCCCAACGTCCCTGCCAGA	22964
TJU_CMC_MD2.ID03283.5p-miR	9	+	88969553	88969574	GCTCCAGGTGTCGGGCGCCGGG	22965

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TJU_CMC_MD2.ID03284.3p-miR	9	-	90411840	90411860	TCTGAGAAAGCAGGGGTGAGC	22966
TJU_CMC_MD2.ID03286.5p-miR	9	+	91150627	91150646	TGCCCTTCCACGACCCCTAC	22967
TJU_CMC_MD2.ID03287.3p-miR	9	-	91925383	91925405	GAGCCTGCGGAGCCACGCGTAGA	22968
TJU_CMC_MD2.ID03288.5p-miR	9	+	91927153	91927175	TGTCCCTGTCCCCTTCCCCCCAA	22969
TJU_CMC_MD2.ID03289.5p-miR	9	+	91933549	91933568	CTCGGCAGCCTCAGTCCGTC	22970
TJU_CMC_MD2.ID03290.3p-miR	9	-	93563853	93563874	GCCTCTCTCCTCCCGCCGGACA	22971
TJU_CMC_MD2.ID03291.3p-miR	9	+	93563888	93563910	GCTCCTCTACACCTGCCGCCGCC	22972
TJU_CMC_MD2.ID03293.3p-miR	9	-	94124190	94124212	GGCGGAGCGGCCGTCGCAGGTCC	22973
TJU_CMC_MD2.ID03294.5p-miR	9	+	94204899	94204919	TTTGGCAGCACAGGCAGCTCC	22974
TJU_CMC_MD2.ID03295.3p-miR	9	-	95432346	95432369	TCCTCCCCCGACCGCAGCGGCTGG	22975
TJU_CMC_MD2.ID03296.3p-miR	9	-	95500878	95500899	TACAGGTTTGTCCGGAGACTGA	22976
TJU_CMC_MD2.ID03296.5p-miR	9	-	95500912	95500934	CTCAGTCTCCTGTGCAGACCTGT	22977
TJU_CMC_MD2.ID03297.3p-miR	9	+	95798497	95798517	TAAACACTGGCCACCAGCAGT	22978
TJU_CMC_MD2.ID03298.3p-miR	9	+	97767263	97767285	CCGCGCCTGAGGTGATGCGGACC	22979
TJU_CMC_MD2.ID03299.5p-miR	9	+	97847722	97847744	CGATGACCTCTCTAACAAGGTGC	22980
TJU_CMC_MD2.ID03300.5p-miR	9	+	97848287	97848307	GTCGATTGGACCCGCCCTCCG	22981
TJU_CMC_MD2.ID03301.3p-miR	9	-	98638030	98638051	ACCTAGTTCTCTCGGGCTCCGC	22982
TJU_CMC_MD2.ID03302.3p-miR	9	-	99180473	99180494	CCTGCCCGCCGGTGCCGTCTGC	22983
TJU_CMC_MD2.ID03303.3p-miR	9	+	100277030	100277051	TATTGCAGTCGCTGTGCCAGGA	22984
TJU_CMC_MD2.ID03304.3p-miR	9	-	100818833	100818854	TCCGCGGCCCTCTCCTGTGCGA	22985
TJU_CMC_MD2.ID03305.5p-miR	9	-	100954927	100954946	GGAGGCGGCGGCGGCTCTGG	22986
TJU_CMC_MD2.ID03306.3p-miR	9	-	102582326	102582346	AGGGCGCGCGGGGCGGGGCGG	22987
TJU_CMC_MD2.ID03307.3p-miR	9	+	102965015	102965036	TCCACTATTAGGTCAGCAGGCT	22988
TJU_CMC_MD2.ID03308.3p-miR	9	+	103189705	103189725	AGCCGGGCGGGGGCGGGGGTG	22989
TJU_CMC_MD2.ID03309.5p-miR	9	+	107510239	107510260	CGCGCCCAGACCTGGGGCCCCG	22990
TJU_CMC_MD2.ID03311.5p-miR	9	-	111929358	111929378	CGCTGCTCCTGCTGCTACTGA	22991
TJU_CMC_MD2.ID03312.5p-miR	9	-	112081678	112081697	CCCCGGGGTGCCCGGGGGGC	22992

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TJU_CMC_MD2.ID03313.3p-miR	9	+	112404769	112404790	AACCGCAAATTACTGTTGCACC	22993
TJU_CMC_MD2.ID03314.5p-miR	9	+	114033439	114033462	CTTAGACTACCAGACTCCCTGAAA	22994
TJU_CMC_MD2.ID03315.3p-miR	9	+	114393611	114393630	GCCAGACGGGACTAGCCGGG	22995
TJU_CMC_MD2.ID03316.3p-miR	9	+	114938134	114938155	ATGCCAGCCCCTACCTCCATCA	22996
TJU_CMC_MD2.ID03317.3p-miR	9	+	117063936	117063959	TCACTCTTCTTCTCTTGTTCCCCC	22997
TJU_CMC_MD2.ID03318.3p-miR	9	+	120176964	120176984	CGCTCCAGCCGATGTCGCTCT	22998
TJU_CMC_MD2.ID03319.3p-miR	9	+	123477052	123477071	CGCGGAGCAGACAAAGGATG	22999
TJU_CMC_MD2.ID03320.3p-miR	9	+	124030477	124030498	TCTCCAGTGCCGCAGCAGCAGG	23000
TJU_CMC_MD2.ID03321.3p-miR	9	+	124062018	124062038	TCCCCGCCCCGCGCCCTCCCT	23001
TJU_CMC_MD2.ID03322.3p-miR	9	+	124360769	124360791	CCCGCTGGCCGAGGCACTGCCGA	23002
TJU_CMC_MD2.ID03323.5p-miR	9	-	124855201	124855220	CCCAGTGCGGCTGAGGAGGG	23003
TJU_CMC_MD2.ID03324.3p-miR	9	+	125703388	125703409	CCCTCCTCCTCCTCCCACCCTC	23004
TJU_CMC_MD2.ID03325.5p-miR	9	-	125873876	125873897	CATAGGAAGGCTCTTGTCTGTC	23005
TJU_CMC_MD2.ID03326.3p-miR	9	-	127010425	127010446	TTCAAAGCTTGGCTCTGCCACC	23006
TJU_CMC_MD2.ID03327.3p-miR	9	+	127456042	127456062	CTCACTGATCAATGAATGCAA	23007
TJU_CMC_MD2.ID03328.5p-miR	9	-	127465250	127465273	CCCAGGAGGTGGAGTGCAGTGAAC	23008
TJU_CMC_MD2.ID03329.3p-miR	9	+	127631473	127631493	AGCCGCTTCCCGCCCCCGAGC	23009
TJU_CMC_MD2.ID03330.3p-miR	9	+	127631557	127631578	CCGAGCTCCCGCCATGGCCCGG	23010
TJU_CMC_MD2.ID03331.3p-miR	9	-	128508823	128508845	CCGCCGGCACCGCCCCCGGGGCC	23011
TJU_CMC_MD2.ID03332.3p-miR	9	+	128509449	128509472	GGCGCCGCCGCCTCCGCCTCCGCC	23012
TJU_CMC_MD2.ID03333.3p-miR	9	+	129202453	129202472	CCTCCTGTAACGGGCTCTGG	23013
TJU_CMC_MD2.ID03334.5p-miR	9	-	129484676	129484696	GCCAGGCAGGCCAGCCAGGTC	23014
TJU_CMC_MD2.ID03335.3p-miR	9	+	129987537	129987557	CCGAGGCCCGAGCCCACCCGA	23015
TJU_CMC_MD2.ID03336.5p-miR	9	+	130160163	130160184	TCAGCAGCCGCCCGCCTCCAGG	23016
TJU_CMC_MD2.ID03337.3p-miR	9	-	130639884	130639904	CAGGTCAGTGCGTGCCCGCGC	23017
TJU_CMC_MD2.ID03338.5p-miR	9	-	130661919	130661942	TCCCAGGCCTGGGCCGGGCCGTGA	23018
TJU_CMC_MD2.ID03339.5p-miR	9	-	130743242	130743262	CAAGCGGCGCCTCGCAGCATC	23019
TJU_CMC_MD2.ID03341.5p-miR	9	-	131023617	131023639	GTCATGGGTCTGGGCTTTGTGGC	23020
TJU_CMC_MD2.ID03342.3p-miR	9	+	131566213	131566235	CCCCCATCCTGCTCTCTCCCAGA	23021

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TJU_CMC_MD2.ID03343.3p-miR	9	+	131910331	131910352	GCTCCTTTTCACCCTGCCCCCT	23022
TJU_CMC_MD2.ID03344.3p-miR	9	+	132146185	132146206	CCGCCGGGCGTCGCGGGGCCTA	23023
TJU_CMC_MD2.ID03345.5p-miR	9	-	132175587	132175610	CTCCTCGCCCCTTCCCCCGCCACC	23024
TJU_CMC_MD2.ID03346.3p-miR	9	+	132404696	132404718	CCGCTGGGCGCCGTCCGAGTTCC	23025
TJU_CMC_MD2.ID03347.5p-miR	9	-	133320419	133320438	GAAGCGGGTGCTCTCGGCTA	23026
TJU_CMC_MD2.ID03348.3p-miR	9	-	134404444	134404464	TCCTGAGGTCTGAAGCACGCC	23027
TJU_CMC_MD2.ID03349.3p-miR	9	-	134406575	134406594	GCGGGGACCCGATGCGCGGG	23028
TJU_CMC_MD2.ID03350.5p-miR	9	+	135169082	135169101	TAAGCGTGCGCCACTGTGCC	23029
TJU_CMC_MD2.ID03352.3p-miR	9	+	135821134	135821156	CCGCGATGACTTTTGCATCAACC	23030
TJU_CMC_MD2.ID03353.5p-miR	9	-	135878189	135878209	AACCCCAGACTGGGAGGACCT	23031
TJU_CMC_MD2.ID03354.5p-miR	9	-	135996551	135996572	GCCGGCCCCGCGCCCGCGCTGC	23032
TJU_CMC_MD2.ID03355.5p-miR	9	+	136007692	136007712	CAGGCGGCAGGGGTTGGTATC	23033
TJU_CMC_MD2.ID03356.5p-miR	9	-	136027966	136027987	CCTGCCTGTGTCCCCAGTGTCT	23034
TJU_CMC_MD2.ID03357.3p-miR	9	-	136127766	136127787	GTCCTGCTGCTTGGTGAGCTGG	23035
TJU_CMC_MD2.ID03358.3p-miR	9	-	136203058	136203078	TCGGCGTTCGTTTGGCCGCGC	23036
TJU_CMC_MD2.ID03359.5p-miR	9	-	136223327	136223348	GCCCGCGGGGCCGGGTGCGATG	23037
TJU_CMC_MD2.ID03360.3p-miR	9	-	136844717	136844738	CTGTCCTGCCGGCGGCCGTGGC	23038
TJU_CMC_MD2.ID03361.5p-miR	9	-	136857016	136857038	CCTCCGAGACGCGACCTCAGGAG	23039
TJU_CMC_MD2.ID03362.5p-miR	9	+	136857767	136857788	CGCCGCGGCTCCTGCCCCGCCC	23040
TJU_CMC_MD2.ID03363.5p-miR	9	-	136912447	136912470	CTCCCAGGGACGTGCAGGCAGTTG	23041
TJU_CMC_MD2.ID03364.3p-miR	9	+	137002267	137002288	AATCGGCCTGTGGCATGCAGTC	23042
TJU_CMC_MD2.ID03365.5p-miR	9	-	137040687	137040707	TGAGGGCTGCTGGGTGCCTGG	23043
TJU_CMC_MD2.ID03366.3p-miR	9	+	137218182	137218204	TCGCGGGCCCCCCGCCACCCCCC	23044
TJU_CMC_MD2.ID03367.5p-miR	9	-	137218352	137218371	CGGTGGCGGCGGCGGCGCGC	23045
TJU_CMC_MD2.ID03368.3p-miR	9	+	137395048	137395070	CCCCCATGTCCAACCCACGCTGC	23046
TJU_CMC_MD2.ID03369.3p-miR	9	-	138237745	138237764	AAGGATAGCCCCGGGTTTGGG	23047
TJU_CMC_MD2.ID03370.5p-miR	9	+	138798924	138798943	GCACGAGGTCGGCGGCGCCG	23048
TJU_CMC_MD2.ID03371.3p-miR	9	-	138903464	138903486	CGCTGCCCCGCCGATGGCCAGAGC	23049
TJU_CMC_MD2.ID03372.3p-miR	9	-	138971955	138971975	ACAGTGGCATGGGCTTTGGCT	23050
TJU_CMC_MD2.ID03373.3p-miR	9	-	138995678	138995699	TGGACAGGTGGAGTGTGGCCTG	23051

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TJU_CMC_MD2.ID03374.3p-miR	9	-	139223691	139223711	CCCCCAAGTCTGGGCCTGACT	23052
TJU_CMC_MD2.ID03375.5p-miR	9	+	139268269	139268290	TGGCCGGGGGCTGGGGGTCCTG	23053
TJU_CMC_MD2.ID03376.3p-miR	9	-	139334199	139334221	TTCGGAGTCTGCGAGCCCAGCCA	23054
TJU_CMC_MD2.ID03377.3p-miR	9	-	139401094	139401117	TCTCACTGCCCTGCTCTTACCCCT	23055
TJU_CMC_MD2.ID03378.3p-miR	9	-	139412762	139412783	CCCAGGGGCCGTGCCCACTGAC	23056
TJU_CMC_MD2.ID03380.3p-miR	9	-	139565067	139565088	CGCGTACCAAAAGTAATAATGT	23057
TJU_CMC_MD2.ID03381.3p-miR	9	+	139565972	139565991	TGGACACTGACCAGGACCCC	23058
TJU_CMC_MD2.ID03381.5p-miR	9	+	139565938	139565959	GCCCTGGCCTGGATCCATGCTG	23059
TJU_CMC_MD2.ID03382.3p-miR	9	+	139608252	139608275	GGAGCCCAGCCTGCCCCTCTAGTG	23060
TJU_CMC_MD2.ID03383.3p-miR	9	+	139747711	139747733	ACACACCTGACCACCCACTCTCC	23061
TJU_CMC_MD2.ID03384.3p-miR	9	-	139835623	139835645	TCACCCAGGCGCTGTTCTGCAGC	23062
TJU_CMC_MD2.ID03385.3p-miR	9	-	139838619	139838641	CGGTTGGGGCTGGAGGAACAGGA	23063
TJU_CMC_MD2.ID03386.5p-miR	9	-	139872364	139872386	GCCCGGTGTCTGCGTGGCCCATC	23064
TJU_CMC_MD2.ID03387.3p-miR	9	-	139909262	139909285	CTCCCCCTCCACCGCCCCTGCAGC	23065
TJU_CMC_MD2.ID03388.5p-miR	9	+	139971985	139972005	ATGGCTTCGGAGCAGGACGTG	23066
TJU_CMC_MD2.ID03389.3p-miR	9	+	140063767	140063786	CGCAGCGCGCACCCGCAGCC	23067
TJU_CMC_MD2.ID03390.3p-miR	9	-	140094875	140094898	TGCGCGCCCTCCGCGCCGACAGCG	23068
TJU_CMC_MD2.ID03391.5p-miR	9	-	140095157	140095177	GCCGCGTTCGCAGCATGGCCG	23069
TJU_CMC_MD2.ID03392.3p-miR	9	+	140110929	140110949	CACGAGGGAGCTCCTGGCCAG	23070
TJU_CMC_MD2.ID03393.3p-miR	9	-	140117392	140117413	CCCTGCCTCACGGTGACCAGCA	23071
TJU_CMC_MD2.ID03394.3p-miR	9	+	140136136	140136156	GCCCCGGCCCGCCCGGGCCCG	23072
TJU_CMC_MD2.ID03395.3p-miR	9	+	140317884	140317905	CCGCCTCGGAGACCCCGCAGCC	23073
TJU_CMC_MD2.ID03396.5p-miR	9	-	140513367	140513390	TACGTCTGCGCCTGCGCCTGCGCC	23074
TJU_CMC_MD2.ID03397.3p-miR	9	+	140513516	140513536	CGGCGGGGGGCGGCGCGGGGG	23075
TJU_CMC_MD2.ID03398.5p-miR	9	-	140918047	140918066	CCGCGCGCGCCGCTCGCCCT	23076
TJU_CMC_MD2.ID03399.5p-miR	MT	+	8162	8182	TACGGTCAATGCTCTGAAATC	23077
TJU_CMC_MD2.ID03400.3p-miR	MT	-	15821	15840	AGGATTAGGATTGTTGTGAA	23078
TJU_CMC_MD2.ID03402.5p-miR	X	+	70396	70417	GGTGCTGAGGTCGCCTCGGTGC	23079
TJU_CMC_MD2.ID03403.5p-miR	X	+	334431	334453	CGCCGCGCTCTCGGGGCAGGGCC	23080
TJU_CMC_MD2.ID03404.5p-miR	X	+	1511274	1511295	CCGCTGGGGGTTCCGCGGCAGC	23081

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TJU_CMC_MD2.ID03406.5p-miR	X	-	1571752	1571772	GCTCAGAAGTGCGGACGCCCG	23082
TJU_CMC_MD2.ID03407.3p-miR	X	+	2871675	2871696	TCTCAACCACCTGGGCTCAAAC	23083
TJU_CMC_MD2.ID03408.3p-miR	X	-	3731611	3731632	GCCACTGCACTTCCCAGGCTCA	23084
TJU_CMC_MD2.ID03409.3p-miR	X	-	9983497	9983517	CGCCCGCCGCTCCTGGCGCAT	23085
TJU_CMC_MD2.ID03409.5p-miR	X	-	9983569	9983588	CCCCGCGCGCGCCGCCTCCT	23086
TJU_CMC_MD2.ID03410.5p-miR	X	+	10106832	10106855	GAGGCAGCTGAATGAGGAGCTCTG	23087
TJU_CMC_MD2.ID03411.3p-miR	X	+	11446095	11446116	CGCCCACGACAGGTGTCAGGCT	23088
TJU_CMC_MD2.ID03412.5p-miR	X	+	11777118	11777139	GGTCCACCTAAGTCTCCGGGAG	23089
TJU_CMC_MD2.ID03413.5p-miR	X	-	12940833	12940854	AAGGGAAAATAGTTGATGACCA	23090
TJU_CMC_MD2.ID03414.3p-miR	X	-	12974321	12974342	CCGCTCTCAGCCTCTCATCTGT	23091
TJU_CMC_MD2.ID03416.5p-miR	X	+	18372846	18372865	CCCCGCCCCCCGCGCGGCCG	23092
TJU_CMC_MD2.ID03417.5p-miR	X	-	18921832	18921853	TAGGTTGGGAGTGAGAGGTGGT	23093
TJU_CMC_MD2.ID03418.3p-miR	X	+	19140734	19140756	CGGCGGCGGCGAGGCTGGGCGCG	23094
TJU_CMC_MD2.ID03419.5p-miR	X	-	20135215	20135235	CGCCGCGTGAGAACCGGTGCG	23095
TJU_CMC_MD2.ID03420.3p-miR	X	+	20285327	20285350	GAGCCCAACAGATCTGGGGGCGTC	23096
TJU_CMC_MD2.ID03422.3p-miR	X	+	24043093	24043113	CTACGAGCAGCCGCTCCCGGC	23097
TJU_CMC_MD2.ID03423.5p-miR	X	-	32280727	32280748	GCTACGGTAATCTTTATACTTA	23098
TJU_CMC_MD2.ID03424.3p-miR	X	-	32601792	32601813	TAAGACCATCCTTTCCTCAATA	23099
TJU_CMC_MD2.ID03425.5p-miR	X	-	34675355	34675376	AGGTCCGGGGTGGAATCGACGT	23100
TJU_CMC_MD2.ID03427.3p-miR	X	+	37706997	37707018	AGGGATGAATGTAAAGAACTGG	23101
TJU_CMC_MD2.ID03428.5p-miR	X	+	40944890	40944911	GGCCGCCTTAGCGCCCGGTGCT	23102
TJU_CMC_MD2.ID03429.3p-miR	X	+	42574686	42574706	CATGCCTTGGCTCCCACTCAA	23103
TJU_CMC_MD2.ID03430.3p-miR	X	+	47092541	47092561	AGGCCTGGACAGCCAGTGGCG	23104
TJU_CMC_MD2.ID03431.5p-miR	X	+	48650438	48650461	GAAGACAGAGCGGCTGAGCCCAGA	23105
TJU_CMC_MD2.ID03432.3p-miR	X	+	48673347	48673369	CTGACCCTCCATGTCCCCCCAGG	23106
TJU_CMC_MD2.ID03433.3p-miR	X	-	48748787	48748806	GGCCGGACCCACCCGCGGGG	23107
TJU_CMC_MD2.ID03434.5p-miR	X	+	49056695	49056715	CGGCGGGGGCGGCGCGCGCTC	23108
TJU_CMC_MD2.ID03435.3p-miR	X	+	52964484	52964504	CATCGGGGTTCGCCGCAGGCT	23109

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TJU_CMC_MD2.ID03436.5p-miR	X	+	53224265	53224286	CAAGAGAGGGAATGACTGGGCT	23110
TJU_CMC_MD2.ID03437.5p-miR	X	-	53931347	53931368	GGCTAATTATTTGTATTTTTGT	23111
TJU_CMC_MD2.ID03438.5p-miR	X	+	54589739	54589761	CTACTTCCTGGTAAACCCATTGT	23112
TJU_CMC_MD2.ID03440.5p-miR	X	+	71130727	71130746	CCCGGGGGAGCCGGCGCTCT	23113
TJU_CMC_MD2.ID03442.3p-miR	X	-	76189149	76189168	ATCACATTATTGAAACAGAA	23114
TJU_CMC_MD2.ID03443.3p-miR	X	+	84395571	84395592	GATTAGTTTTAATGAATTATTT	23115
TJU_CMC_MD2.ID03444.3p-miR	X	-	100615746	100615768	CCTACCTTTTCTCCTAACTACAT	23116
TJU_CMC_MD2.ID03444.5p-miR	X	-	100615793	100615814	AGAGTTGGGAGAGAAGAGAAGA	23117
TJU_CMC_MD2.ID03445.3p-miR	X	-	101186812	101186834	TCCTCCGCCACCTCCGCCCCTGC	23118
TJU_CMC_MD2.ID03446.3p-miR	X	+	101967948	101967968	GCTACTCCGGGTCCCGATTCC	23119
TJU_CMC_MD2.ID03447.3p-miR	X	-	103035124	103035145	TGAAGCTGATTTGGGGAACCTT	23120
TJU_CMC_MD2.ID03448.3p-miR	X	+	106243167	106243188	AGGGCCGGCGGGGGCCCCTCGG	23121
TJU_CMC_MD2.ID03449.3p-miR	X	+	106445935	106445957	AACATTCATGGCTGGGCCCAGTG	23122
TJU_CMC_MD2.ID03450.5p-miR	X	+	106983122	106983143	CAGCCCAGTGGTGTGTGATCGA	23123
TJU_CMC_MD2.ID03451.3p-miR	X	+	107014251	107014273	TGTCACAGGACTGGGATGGTTGG	23124
TJU_CMC_MD2.ID03452.5p-miR	X	+	107069179	107069199	GAGCCTGGGAAGGTGGCCGAG	23125
TJU_CMC_MD2.ID03453.3p-miR	X	+	108976635	108976656	CTCGGCCCACCCACGCGCCCGC	23126
TJU_CMC_MD2.ID03454.3p-miR	X	+	113873970	113873992	GAGGAGGCCATAGTGGCAACTGT	23127
TJU_CMC_MD2.ID03455.5p-miR	X	+	113887130	113887151	AGGTCCTCAATAAGTATTTGTT	23128
TJU_CMC_MD2.ID03456.5p-miR	X	+	114058028	114058049	GAACATCCTGCATAGTGCTGCC	23129
TJU_CMC_MD2.ID03457.3p-miR	X	+	117575371	117575394	TCCGCCTTTGGAACATACCTGACA	23130
TJU_CMC_MD2.ID03458.5p-miR	X	+	117861513	117861533	GGCGGCGGAGCCGGGAAGTGG	23131
TJU_CMC_MD2.ID03459.3p-miR	X	+	118533351	118533372	CCCGGGTCGGGGCTCGATGGCT	23132
TJU_CMC_MD2.ID03459.5p-miR	X	+	118533313	118533334	CCGGAGAGCCCCAGGCCCGAGC	23133
TJU_CMC_MD2.ID03460.3p-miR	X	+	125715194	125715213	ACGCTCCCCGGACCCCGTCC	23134
TJU_CMC_MD2.ID03461.3p-miR	X	-	125836051	125836072	TCTACTGTGGCTGTGGTTGCAC	23135
TJU_CMC_MD2.ID03462.5p-miR	X	-	128657034	128657055	CGGCGGGTGCGGGGGTCGGCGG	23136
TJU_CMC_MD2.ID03463.3p-miR	X	+	128924455	128924476	ACTCCTCATTTGTAAACTCAGG	23137

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TJU_CMC_MD2.ID03464.3p-miR	X	+	128926941	128926963	CCGATGGCCTGCCTCTGCCTACA	23138
TJU_CMC_MD2.ID03465.3p-miR	X	+	129065745	129065766	GCCGCCCCCGCCACCCTTCTCT	23139
TJU_CMC_MD2.ID03466.3p-miR	X	-	133674388	133674409	ATTGGGAACATTTTGCATGTAT	23140
TJU_CMC_MD2.ID03467.5p-miR	X	-	133675453	133675472	ATGCACAGATCTCAGACATC	23141
TJU_CMC_MD2.ID03468.3p-miR	X	-	134166254	134166274	TCTCATGGACTCCGCCCACAA	23142
TJU_CMC_MD2.ID03469.5p-miR	X	-	134459159	134459181	TCAGAACAGTGGCTGGCATGCAC	23143
TJU_CMC_MD2.ID03470.5p-miR	X	+	134478753	134478775	CTGAGGCGGTGAGTCCCCGAGCG	23144
TJU_CMC_MD2.ID03471.3p-miR	X	-	135067544	135067564	CGTCGGAGCGCGCGCCGCCGC	23145
TJU_CMC_MD2.ID03472.3p-miR	X	+	135633087	135633108	GAGTCTCCAGTAATGGACGGGA	23146
TJU_CMC_MD2.ID03473.3p-miR	X	-	139005493	139005513	TAGGCATTCAGAAGGAGGCAC	23147
TJU_CMC_MD2.ID03475.5p-miR	X	-	149533990	149534011	TCCGCGCCTCCAAACAAAGGGC	23148
TJU_CMC_MD2.ID03476.3p-miR	X	-	149861814	149861835	CGCGCGGGGGTCGGGGGGCGGG	23149
TJU_CMC_MD2.ID03477.3p-miR	X	+	152599648	152599667	GGGCGGCTCCGTGGCGCTTC	23150
TJU_CMC_MD2.ID03478.3p-miR	X	+	152599735	152599755	CGGGCCTGGGTGAGTGTGCGG	23151
TJU_CMC_MD2.ID03479.3p-miR	X	+	152600967	152600988	GGATGTACTGAACTGGGTCAGA	23152
TJU_CMC_MD2.ID03480.3p-miR	X	+	152771299	152771321	TCCTCCGCCCACCCTGCTTCAGG	23153
TJU_CMC_MD2.ID03481.3p-miR	X	+	153033255	153033275	AGCATGGAGCAGGCCCGGAGA	23154
TJU_CMC_MD2.ID03481.5p-miR	X	+	153033222	153033243	CTCTGTGCCTTCCCCATGGTGG	23155
TJU_CMC_MD2.ID03482.3p-miR	X	+	153039850	153039872	CTCAGGAACCCTGCCCGCCCCCC	23156
TJU_CMC_MD2.ID03483.3p-miR	X	-	153055279	153055300	CCTGACCCTGCCGTGCCTCAGG	23157
TJU_CMC_MD2.ID03484.3p-miR	X	-	153178950	153178970	ACCAGCCCCTCCACCGAGTCC	23158
TJU_CMC_MD2.ID03485.5p-miR	X	-	153200373	153200395	TTCACGATCCGCTGGGACCCGCG	23159
TJU_CMC_MD2.ID03486.3p-miR	X	-	153285049	153285070	CTGACGCCCCCCGCCCCGCAGC	23160
TJU_CMC_MD2.ID03487.3p-miR	X	-	153285339	153285360	GGGAAGTGAGTCAGTGTCCGCG	23161
TJU_CMC_MD2.ID03488.3p-miR	X	-	153590952	153590974	TCAGCCTCCGCTCCTCTCCCCGC	23162
TJU_CMC_MD2.ID03489.3p-miR	X	-	153593854	153593877	TCAGCTGGCCCCTCTGCCTGCAGC	23163
TJU_CMC_MD2.ID03489.5p-miR	X	-	153593887	153593910	AAGGGAGGGGTCGCCCAGCCGAGC	23164

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TJU_CMC_MD2.ID03490.3p-miR	X	+	153665237	153665256	CGCGCGCGGCTCCCGCGCAC	23165
TJU_CMC_MD2.ID03491.3p-miR	X	+	153718796	153718819	CCCCGCGGCCCCGCCAGGCCTCGC	23166
TJU_CMC_MD2.ID03492.5p-miR	X	-	154254968	154254987	ACCGCGGCCGTCGGGGCTCG	23167
TJU_CMC_MD2.ID03494.5p-miR	Y	+	15016808	15016827	ACCTACAGTGGACTACCCGA	23168
TJU_CMC_MD2.ID03495.5p-miR	Y	+	19149885	19149908	TAGCTTATCTCTGCAGCCTTGACA	23169
TJU_CMC_MD2.ID00011.3p-miR	1	+	1284728	1284748	CCCTCCCGCCTGCGCCCCTCG	23170
TJU_CMC_MD2.ID00011.5p-miR	1	+	1284693	1284713	GGGACGCAGCACGGAGGGCGC	23171
TJU_CMC_MD2.ID00019.3p-miR	1	-	1729949	1729971	CATTGATCAGAAGTCCAGCCTAA	23172
TJU_CMC_MD2.ID00057.3p-miR	1	-	12647947	12647968	TCCCTCCCTCACTCACTCAACA	23173
TJU_CMC_MD2.ID00126.5p-miR	1	+	44066139	44066160	CTCAGGACTGGGTCATTCTGTT	23174
TJU_CMC_MD2.ID00133.3p-miR	1	-	45187053	45187074	TCTTATACTTTGGACTGGTCTC	23175
TJU_CMC_MD2.ID00134.3p-miR	1	-	45349964	45349984	CCCATACTTTCACCCCTCTCT	23176
TJU_CMC_MD2.ID00146.3p-miR	1	-	56902175	56902196	CACTAAAGAGACACTGGAGAAT	23177
TJU_CMC_MD2.ID00146.5p-miR	1	-	56902216	56902238	TCCAGTGTTTCTTTAGTGCCTGG	23178
TJU_CMC_MD2.ID00147.5p-miR	1	+	56902177	56902198	TCTCCAGTGTCTCTTTAGTGCC	23179
TJU_CMC_MD2.ID00158.5p-miR	1	-	84228809	84228829	TGACAACACCCCAAGAATATT	23180
TJU_CMC_MD2.ID00168.3p-miR	1	+	94713435	94713457	CGGTCAGCTGCGCCCGGCCTGAA	23181
TJU_CMC_MD2.ID00182.5p-miR	1	+	113230669	113230691	TGCCCCCAGACTGGGCTCAGTGT	23182
TJU_CMC_MD2.ID00193.5p-miR	1	+	149900286	149900307	TGGATGGGATCGGAGCTCTAGA	23183
TJU_CMC_MD2.ID00194.3p-miR	1	+	150207116	150207138	TGAGGCCGAGAAGGCAACCGCGA	23184
TJU_CMC_MD2.ID00208.5p-miR	1	-	154974278	154974300	GGCGCCCTGCGTCCCTCCCCACG	23185
TJU_CMC_MD2.ID00237.5p-miR	1	+	171560219	171560242	TGGTAGGAGCTATCAGAACTTAGT	23186
TJU_CMC_MD2.ID00251.5p-miR	1	+	193126397	193126419	CCTGTTCGTAAATGTTAGTGGAT	23187
TJU_CMC_MD2.ID00254.3p-miR	1	-	200960859	200960880	AGCCCAGCCCTCTTCTGTCTCC	23188
TJU_CMC_MD2.ID00260.3p-miR	1	+	204965493	204965513	TTAGCTCCCTCTTCCCATGTT	23189
TJU_CMC_MD2.ID00275.3p-miR	1	+	221250039	221250060	TCTGGGCGTGGTGAGAAGTTCA	23190
TJU_CMC_MD2.ID00279.5p-miR	1	-	226033913	226033936	TGTGCAGTACTCACCCCCTCCGTC	23191
TJU_CMC_MD2.ID00292.3p-miR	1	+	236070089	236070110	TCTGAGACTAGAGCAAAGCCCT	23192
TJU_CMC_MD2.ID00308.3p-miR	10	+	1095230	1095251	TCAGACGTCTCGAGGCTCGCGT	23193
TJU_CMC_MD2.ID00314.3p-miR	10	-	4673210	4673232	GCTGGTGTTCCCACCCTTTGAGC	23194
TJU_CMC_MD2.ID00314.5p-miR	10	-	4673249	4673271	AAAGGGTGAGAATACCAGCCATT	23195

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TJU_CMC_MD2.ID00317.5p-miR	10	+	5729070	5729090	TTAATATGTACTGACAAAGCG	23196
TJU_CMC_MD2.ID00319.3p-miR	10	-	5994724	5994746	TGGTAATGAAATAAAAACCCTGC	23197
TJU_CMC_MD2.ID00341.5p-miR	10	+	32020219	32020241	AACCCTTTCCTATAGTTGTTGCT	23198
TJU_CMC_MD2.ID00350.3p-miR	10	+	43966722	43966744	CGTGTCCAGAATGGCCAGCCAGA	23199
TJU_CMC_MD2.ID00350.5p-miR	10	+	43966686	43966706	TGGCTGGCTGCTCCGGGCACT	23200
TJU_CMC_MD2.ID00357.3p-miR	10	+	50035566	50035588	TCTCTCTCTCCGTGTCAGTGT	23201
TJU_CMC_MD2.ID00357.5p-miR	10	+	50035527	50035548	TGACACAGAGAGAGAGACAGGA	23202
TJU_CMC_MD2.ID00371.5p-miR	10	-	72082711	72082733	AGGCCATTCCCCATCAGATGAGT	23203
TJU_CMC_MD2.ID00383.3p-miR	10	-	75888466	75888487	GCAGAGCAAAACGGACCATGCA	23204
TJU_CMC_MD2.ID00383.5p-miR	10	-	75888511	75888531	CATGGTCCATTTTGCTCTGCT	23205
TJU_CMC_MD2.ID00405.3p-miR	10	+	94624545	94624568	CCCCCTGGTTTGCAGGCCTTTTGA	23206
TJU_CMC_MD2.ID00410.3p-miR	10	-	99635581	99635601	TCTGGCTGCTATGGCCCCCTC	23207
TJU_CMC_MD2.ID00415.5p-miR	10	+	102757024	102757045	CCCGCCTCCCGCTCATCCCCGC	23208
TJU_CMC_MD2.ID00438.3p-miR	10	-	115051389	115051411	AAATGAATCATGTTGGGCCTGTA	23209
TJU_CMC_MD2.ID00468.3p-miR	11	-	418401	418423	CTGCCCATCCCACCCCAGCATCC	23210
TJU_CMC_MD2.ID00501.5p-miR	11	+	12343060	12343082	GCAGGAAGAGACGCAGCAGCTTG	23211
TJU_CMC_MD2.ID00506.3p-miR	11	-	19733668	19733689	TGCTGCGTTTCATGGAGCCCCT	23212
TJU_CMC_MD2.ID00511.5p-miR	11	-	31821733	31821755	ATGGGGCATTGGAAGTGGTGGTC	23213
TJU_CMC_MD2.ID00514.3p-miR	11	+	33199150	33199170	ATTTGCTGTTAAGATATGGGA	23214
TJU_CMC_MD2.ID00532.3p-miR	11	-	57176274	57176295	AGGGATGCTCTGAGGTCCTGCT	23215
TJU_CMC_MD2.ID00532.5p-miR	11	-	57176314	57176336	ACAGGACCTCTGTGCTTTCACCT	23216
TJU_CMC_MD2.ID00533.3p-miR	11	-	58272090	58272111	CAAAAATAGGAAGTCCAAGGAC	23217
TJU_CMC_MD2.ID00533.5p-miR	11	-	58272127	58272147	CCTGGACTTCTTATTTTGGCT	23218
TJU_CMC_MD2.ID00543.3p-miR	11	+	64024068	64024090	TGCTGATCCTCTCCCACCCCAGA	23219
TJU_CMC_MD2.ID00547.3p-miR	11	+	64109360	64109381	TGGCCCAAGACCCCAGACCACA	23220
TJU_CMC_MD2.ID00599.5p-miR	11	+	76156409	76156430	TATCCGCTGGCTTACTCTCTCT	23221
TJU_CMC_MD2.ID00608.3p-miR	11	+	92379120	92379141	TGTATTCTACTTCATTTATCCA	23222
TJU_CMC_MD2.ID00612.3p-miR	11	+	100841641	100841662	ATTCGCTGGGAATTCAGCCTCT	23223
TJU_CMC_MD2.ID00617.3p-miR	11	+	112563075	112563098	AGCAGTCTCAGCCCAGCTTCCTTC	23224
TJU_CMC_MD2.ID00618.3p-miR	11	-	113644391	113644412	TCAGCGTTGGTTCCCGTCTTGG	23225
TJU_CMC_MD2.ID00636.3p-miR	11	+	121353216	121353237	CCAGAGAAGGCTGCTCCTCACC	23226

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TJU_CMC_MD2.ID00638.5p-miR	11	-	122026946	122026967	CCAGGAATCCTGCTGTGGTGGA	23227
TJU_CMC_MD2.ID00639.3p-miR	11	+	122650546	122650568	AGCCTTTTCCTGCAGCACCCCAC	23228
TJU_CMC_MD2.ID00639.5p-miR	11	+	122650510	122650532	GAGGACCCTGCAGGAATGGACGT	23229
TJU_CMC_MD2.ID00641.3p-miR	11	+	123480476	123480497	CATTCCAGGGCTCTCCTCTACC	23230
TJU_CMC_MD2.ID00661.5p-miR	12	-	2027643	2027664	TCTGGGAGGAAGGCAGACAGAG	23231
TJU_CMC_MD2.ID00679.5p-miR	12	+	13041605	13041626	TCAGGATTTAAAGGGGCACTCA	23232
TJU_CMC_MD2.ID00683.3p-miR	12	+	21671639	21671660	GAATAGTTTTAGTAACTCTTGA	23233
TJU_CMC_MD2.ID00685.3p-miR	12	-	26957043	26957063	TCCCTTTTCTGGTAGTTCTCA	23234
TJU_CMC_MD2.ID00685.5p-miR	12	-	26957084	26957106	AGGAATTACCTGGGAATGGGAAG	23235
TJU_CMC_MD2.ID00691.3p-miR	12	-	46590646	46590668	ATTCTTGTTTCCAGGTCTGGTGA	23236
TJU_CMC_MD2.ID00691.5p-miR	12	-	46590685	46590705	ACAGACCTGGATTCAAAAACT	23237
TJU_CMC_MD2.ID00716.3p-miR	12	-	66251818	66251839	TCCCAGCTGGTCATTAATCCTC	23238
TJU_CMC_MD2.ID00716.5p-miR	12	-	66251864	66251884	GAATTAATGGCTGGCTGGGAG	23239
TJU_CMC_MD2.ID00720.5p-miR	12	-	70631164	70631186	TGCACACCTTTTCTCCCATACCT	23240
TJU_CMC_MD2.ID00724.5p-miR	12	-	81300390	81300410	TCTGGCTCCTTTCTAATCACT	23241
TJU_CMC_MD2.ID00726.3p-miR	12	-	87138856	87138877	CCTCTAGGGAAGAGAAGGTTGG	23242
TJU_CMC_MD2.ID00726.5p-miR	12	-	87138890	87138913	TTTCCTCTCTGCCCCATAGGGTGT	23243
TJU_CMC_MD2.ID00745.5p-miR	12	+	105721693	105721714	AGTGCAAAAGTAATCGCAGTTT	23244
TJU_CMC_MD2.ID00750.3p-miR	12	-	108141102	108141123	TAGGTCACTGGGGTCAGAGCCA	23245
TJU_CMC_MD2.ID00763.3p-miR	12	+	116822738	116822759	TTGCGTGAACCTGAGAATGAGC	23246
TJU_CMC_MD2.ID00771.3p-miR	12	-	121312442	121312462	ATGCCATATTGGAAGCAAGGC	23247
TJU_CMC_MD2.ID00771.5p-miR	12	-	121312475	121312496	CTCTGCTTCCAGTGTGACATCG	23248
TJU_CMC_MD2.ID00785.3p-miR	12	-	124921988	124922009	CCCCCTTTCCCTGAGCCTGCAT	23249
TJU_CMC_MD2.ID00785.5p-miR	12	-	124922026	124922048	CCAGGCTCAGGGAAACTGAGACA	23250
TJU_CMC_MD2.ID00790.3p-miR	12	+	125514125	125514147	TACACACACACACACTTTCCAAT	23251
TJU_CMC_MD2.ID00804.3p-miR	13	+	21974151	21974173	AACCACTAAACTGCTTCCTGTCT	23252
TJU_CMC_MD2.ID00806.5p-miR	13	+	27259472	27259493	GAGTAGCCACTAGCCACATGTC	23253
TJU_CMC_MD2.ID00815.5p-miR	13	+	35537588	35537609	TCCCCCCAAAATTCATAATGTT	23254
TJU_CMC_MD2.ID00820.5p-miR	13	-	48602685	48602706	TCGTTGTAAGTTGAAAATATAG	23255
TJU_CMC_MD2.ID00834.3p-miR	13	-	80583317	80583338	TCCCCTACTCTTTCCACAGTGA	23256
TJU_CMC_MD2.ID00873.5p-miR	14	+	33748766	33748787	GCTTGTTAGACATGCAGCATCT	23257

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TJU_CMC_MD2.ID00876.3p-miR	14	+ 36673799	36673820	CTGGGGTGGAGCCCTGGAGTCT	23258
TJU_CMC_MD2.ID00876.5p-miR	14	+ 36673763	36673786	TGTCCAGGGCCTTACCTCTTCAGA	23259
TJU_CMC_MD2.ID00924.3p-miR	14	+ 94580022	94580043	TTTTGTGTGTCAGGGTGCAGGT	23260
TJU_CMC_MD2.ID00957.5p-miR	14	- 105198098	105198120	TCACTCTGTCTTTCCTGCCTCAT	23261
TJU_CMC_MD2.ID00963.3p-miR	14	+ 105993502	105993523	TCCGTCCCTTCGCCAGCGCAGA	23262
TJU_CMC_MD2.ID00971.3p-miR	15	+ 34277622	34277643	AGCTCAGTGTTCCTTTTTCAGT	23263
TJU_CMC_MD2.ID00971.5p-miR	15	+ 34277596	34277617	GAACACTGAGCTGAGTGCATGC	23264
TJU_CMC_MD2.ID00977.3p-miR	15	+ 40226390	40226411	CGCTGCCATGGCTGGGGGCCGT	23265
TJU_CMC_MD2.ID01021.3p-miR	15	+ 68095211	68095232	CAAGCCCAGGGGAGGGACCAGC	23266
TJU_CMC_MD2.ID01038.3p-miR	15	- 76486416	76486436	TCAGCCAAGTGGTCCCCACCA	23267
TJU_CMC_MD2.ID01038.5p-miR	15	- 76486453	76486472	GTGTGGGGAGCACGTGAGGC	23268
TJU_CMC_MD2.ID01060.3p-miR	15	+ 94776566	94776587	TAACATATTTTGAAAGGCCTGA	23269
TJU_CMC_MD2.ID01111.3p-miR	16	+ 3704501	3704523	AAAGTGACCTTGGGGCCCCCAGA	23270
TJU_CMC_MD2.ID01118.3p-miR	16	- 10622727	10622749	AACCTAGAACTCCAAGCCTGTTT	23271
TJU_CMC_MD2.ID01165.3p-miR	16	- 57466275	57466296	AAGCCCAGATTTGTGACTATGC	23272
TJU_CMC_MD2.ID01179.3p-miR	16	- 70453021	70453044	CCAGCCTGCTGGAGCTTACAGTGG	23273
TJU_CMC_MD2.ID01188.3p-miR	16	+ 78414432	78414452	CTCTTTAAGGATAGGGCTGAA	23274
TJU_CMC_MD2.ID01188.5p-miR	16	+ 78414401	78414422	CAGCCGTATCAGTGAAGAGTGA	23275
TJU_CMC_MD2.ID01192.5p-miR	16	+ 81567510	81567532	CTTCCATCTCCATCACCTTGAGC	23276
TJU_CMC_MD2.ID01193.3p-miR	16	+ 81706024	81706045	TGTGCACTGTACACATACATGT	23277
TJU_CMC_MD2.ID01198.3p-miR	16	+ 85507526	85507548	GAGCTGGTCCAATGCCTGGGAGA	23278
TJU_CMC_MD2.ID01198.5p-miR	16	+ 85507487	85507510	TCCCAGGCACTAGCATGACCAGCT	23279
TJU_CMC_MD2.ID01239.3p-miR	17	+ 2936088	2936110	TCAGGCAGCTGTTCCCTCCTTGT	23280
TJU_CMC_MD2.ID01250.3p-miR	17	- 7210150	7210172	GAGGCCATTCGGCTCTGAGGTCC	23281
TJU_CMC_MD2.ID01250.5p-miR	17	- 7210185	7210207	ACCCTCAGTCCGTATTGGTCTCT	23282
TJU_CMC_MD2.ID01283.3p-miR	17	- 27908860	27908879	TCTGAGCCATACCCCCTCCT	23283
TJU_CMC_MD2.ID01296.5p-miR	17	- 36742256	36742277	TAGTCCAGGCAGACTCTCCTGA	23284
TJU_CMC_MD2.ID01300.3p-miR	17	+ 37043173	37043194	AAACAGGCTCTCGCTCTGTAGC	23285
TJU_CMC_MD2.ID01301.3p-miR	17	+ 37043329	37043350	CAGGGTTTTGCAGACCGGGTCT	23286
TJU_CMC_MD2.ID01317.5p-miR	17	- 41960458	41960480	GGGATGGGAAGAGACCCGGGACA	23287

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TJU_CMC_MD2.ID01325.3p-miR	17	+	42299306	42299326	CAGCAGCTACCCCGGCGTCGG	23288
TJU_CMC_MD2.ID01326.3p-miR	17	+	42344368	42344388	TTTGGGGATTCTAAGAGGAAG	23289
TJU_CMC_MD2.ID01326.5p-miR	17	+	42344334	42344354	ACTCTTAGAATCCCCAAAGCA	23290
TJU_CMC_MD2.ID01348.3p-miR	17	+	46134685	46134706	AGCCTCTGTGTTTTGCCCTAGT	23291
TJU_CMC_MD2.ID01349.3p-miR	17	-	46199548	46199567	CCCCTGGGCTGTTACTGTTC	23292
TJU_CMC_MD2.ID01349.5p-miR	17	-	46199587	46199607	AGACAGTAACAGCCCGGGACA	23293
TJU_CMC_MD2.ID01365.3p-miR	17	+	56412700	56412722	CTCCAGGCTCATGGTCCCTCACT	23294
TJU_CMC_MD2.ID01372.3p-miR	17	-	61515866	61515888	TGCAGCATGGTCGGGGCACTTCT	23295
TJU_CMC_MD2.ID01377.3p-miR	17	-	65822074	65822093	GGGGGGCCGGCGGCGGCGGC	23296
TJU_CMC_MD2.ID01380.3p-miR	17	+	66383181	66383202	AACTGCAATGACTTTCGCACCA	23297
TJU_CMC_MD2.ID01383.3p-miR	17	-	70406767	70406788	ATCTGGAGTGGAGCTCAGGAAC	23298
TJU_CMC_MD2.ID01408.3p-miR	17	+	75675491	75675512	TCAGTGCACGTTAGCTGTCATT	23299
TJU_CMC_MD2.ID01408.5p-miR	17	+	75675458	75675478	AGCACCTGCCGAGCACTGAGA	23300
TJU_CMC_MD2.ID01438.3p-miR	17	+	79825095	79825115	CTGGGCACCTACTTCCTGCCT	23301
TJU_CMC_MD2.ID01446.5p-miR	17	+	80057224	80057245	GCGGCCTGAGCCCTGAAGCGCG	23302
TJU_CMC_MD2.ID01463.3p-miR	18	+	980092	980114	CAGGGAGGTGAATGGTTCTGTCT	23303
TJU_CMC_MD2.ID01475.5p-miR	18	-	9017280	9017301	CGCGGTCGCGCTGAGTCACAGC	23304
TJU_CMC_MD2.ID01490.3p-miR	18	+	43423145	43423166	TCTGACCTCTCTGACCTGCAGC	23305
TJU_CMC_MD2.ID01496.3p-miR	18	+	47824938	47824957	GGACCCCATGGGAACTCTAC	23306
TJU_CMC_MD2.ID01499.5p-miR	18	+	55904938	55904961	ACACAGCTCTGATGATCTCTATGT	23307
TJU_CMC_MD2.ID01504.3p-miR	18	-	71811346	71811367	AAAAGCCGCAATTACTTTAGCA	23308
TJU_CMC_MD2.ID01506.3p-miR	18	-	72264718	72264741	CAGAACGGGTTCTTCCCAGGCCGA	23309
TJU_CMC_MD2.ID01534.3p-miR	19	-	1253359	1253381	TCAGAACCGACCGCCTCCCAGCT	23310
TJU_CMC_MD2.ID01556.3p-miR	19	+	2630764	2630784	CAGCCACACTACATCCAAACT	23311
TJU_CMC_MD2.ID01581.5p-miR	19	+	5978316	5978337	CATCTCCCGCCTCCTTTTCCCG	23312
TJU_CMC_MD2.ID01607.3p-miR	19	-	10926305	10926327	GCCCTGCACCTGACACAGCCTCC	23313
TJU_CMC_MD2.ID01607.5p-miR	19	-	10926346	10926367	TGGCTGTGCCATCCCAGGGACC	23314
TJU_CMC_MD2.ID01620.3p-miR	19	+	13063482	13063502	CTTCCCCACCCTCTCCTGCAG	23315
TJU_CMC_MD2.ID01664.3p-miR	19	+	18395531	18395552	GACAGACGCAGGTACACACAGA	23316
TJU_CMC_MD2.ID01664.5p-miR	19	+	18395493	18395516	GTGTGTGCACCTGTGTCTGTCTGT	23317

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01692.3p-miR	19	+	35652467	35652488	TCTCATTGGTCAGGCCTGAGTC	23318
TJU_CMC_MD2.ID01692.5p-miR	19	+	35652429	35652450	TCATGTCTGAACCAATGAGAGC	23319
TJU_CMC_MD2.ID01727.5p-miR	19	+	43772416	43772438	GCACACATACAAACAAACACACA	23320
TJU_CMC_MD2.ID01731.5p-miR	19	+	45492635	45492657	GCAGGCCTCACTTGGCACCAGTG	23321
TJU_CMC_MD2.ID01772.3p-miR	19	-	55736855	55736876	AAACCTCCACTTCCTCCTCATC	23322
TJU_CMC_MD2.ID01772.5p-miR	19	-	55736888	55736909	TGAGGAGGATCTGAAGGATTGG	23323
TJU_CMC_MD2.ID01780.5p-miR	19	+	57950479	57950500	TTAGTGGCTCCCTCTGCCTGCA	23324
TJU_CMC_MD2.ID01789.3p-miR	2	+	7057921	7057940	TCCCGGGCGGGGACTCGCGG	23325
TJU_CMC_MD2.ID01794.5p-miR	2	-	17934575	17934597	GTCCCCAGACTCTCCCGGGCTGT	23326
TJU_CMC_MD2.ID01807.3p-miR	2	+	28616564	28616586	CCTCTCCGGCCCCCACCGCGGAT	23327
TJU_CMC_MD2.ID01809.3p-miR	2	+	29510641	29510661	TTTCTCTGGCCTTGGAATCCT	23328
TJU_CMC_MD2.ID01813.3p-miR	2	+	33498441	33498462	ACAACTTACAACATGGCCTTTT	23329
TJU_CMC_MD2.ID01813.5p-miR	2	+	33498399	33498420	TAGGCCATTTTGGAAGCTGTTT	23330
TJU_CMC_MD2.ID01818.3p-miR	2	-	38603908	38603929	GGAGGTCGGCTGCGGCTCCGCT	23331
TJU_CMC_MD2.ID01826.3p-miR	2	-	46496700	46496720	ACAGAGACCTCTAAACCCAAA	23332
TJU_CMC_MD2.ID01826.5p-miR	2	-	46496736	46496757	TTCGGGTTTAGAGGTTTCTGTT	23333
TJU_CMC_MD2.ID01844.5p-miR	2	-	71084003	71084024	CTGGAATTCTGTATCTGAGCAG	23334
TJU_CMC_MD2.ID01852.3p-miR	2	-	83220571	83220592	TAAGGCTGATTTACAGGAGAGA	23335
TJU_CMC_MD2.ID01862.5p-miR	2	-	96648887	96648906	AGGTGACAATGTCAGGTGCT	23336
TJU_CMC_MD2.ID01886.3p-miR	2	+	109870463	109870485	CAACTCAGGGGCCAGGCACCATT	23337
TJU_CMC_MD2.ID01887.5p-miR	2	+	111892962	111892982	TTGTGTCCAGTTGTTGGGGGA	23338
TJU_CMC_MD2.ID01914.5p-miR	2	-	133670698	133670719	ATTCAGCTACGATCACCAGGGC	23339
TJU_CMC_MD2.ID01952.5p-miR	2	+	200548430	200548451	ACGAACTCATAAGATAATACCT	23340
TJU_CMC_MD2.ID01963.3p-miR	2	-	218905715	218905736	CTAGAGAACCATCTGAAAGACT	23341
TJU_CMC_MD2.ID01963.5p-miR	2	-	218905746	218905767	TCCTTTCAGATGGTTCTCTAGA	23342
TJU_CMC_MD2.ID01974.5p-miR	2	-	225805584	225805606	TACAACAGATGAGACATACCTAA	23343
TJU_CMC_MD2.ID01979.3p-miR	2	+	227716010	227716031	ATACCCCCCCAATGCAGAGACA	23344
TJU_CMC_MD2.ID01980.5p-miR	2	-	227989021	227989041	AGAAGTAATTGCGGTCTTTGC	23345
TJU_CMC_MD2.ID02026.5p-miR	20	-	3987485	3987507	TGGCCCAAGAATAGCTGGCCAGT	23346
TJU_CMC_MD2.ID02034.5p-miR	20	+	18488483	18488504	TTTGATTGGCCAGTGGACAGCG	23347
TJU_CMC_MD2.ID02086.5p-miR	20	-	50733229	50733251	TTGGGCATATGTGTATATATGTG	23348

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02131.5p-miR	21	+	25488877	25488896	ATGGACACATAAGAGGTACT	23349
TJU_CMC_MD2.ID02138.5p-miR	21	+	34103298	34103319	TCAGGATCAGGATCTGCAGAGT	23350
TJU_CMC_MD2.ID02168.5p-miR	22	+	18190166	18190187	GCCTCAGAAATATAAAACTAGC	23351
TJU_CMC_MD2.ID02176.3p-miR	22	+	20052742	20052764	CCCTCCTCTCCTGTGGCCACAGA	23352
TJU_CMC_MD2.ID02176.5p-miR	22	+	20052703	20052723	TGGTCCAACGACAGGAGTAGG	23353
TJU_CMC_MD2.ID02185.5p-miR	22	+	24752938	24752959	ATCTCCCCAGTTATGACAACCA	23354
TJU_CMC_MD2.ID02186.5p-miR	22	+	24833922	24833943	TGTGGGCGACAAGGTTTGCTGC	23355
TJU_CMC_MD2.ID02188.3p-miR	22	-	26968292	26968314	CAGCTTTGCAGGTGGTGACTAGA	23356
TJU_CMC_MD2.ID02188.5p-miR	22	-	26968328	26968349	GGCTCCACCTTCCTAGGTTGGC	23357
TJU_CMC_MD2.ID02206.5p-miR	22	-	34200035	34200055	GCTGTGTTAATTCTCTTCTGT	23358
TJU_CMC_MD2.ID02208.5p-miR	22	-	36309716	36309737	TCCCCACCTGGAATTTCTATGA	23359
TJU_CMC_MD2.ID02218.3p-miR	22	-	38640810	38640831	CAATGCCCAGGTCTGCCCTAGA	23360
TJU_CMC_MD2.ID02241.3p-miR	22	-	44010719	44010740	CAGACTGTCTGTGCTGTGGACT	23361
TJU_CMC_MD2.ID02253.3p-miR	22	-	50002784	50002807	CCGCGTGTTCCTGGGGAGCCGAAG	23362
TJU_CMC_MD2.ID02282.5p-miR	3	-	9884983	9885004	CCTCTCCCCGCTTTTAACCCTA	23363
TJU_CMC_MD2.ID02283.3p-miR	3	+	9884983	9885006	TAGGGTTAAAAGCGGGGAGAGGGT	23364
TJU_CMC_MD2.ID02341.3p-miR	3	+	52557419	52557441	CAACAGGCCTTGCTCTGCTCACA	23365
TJU_CMC_MD2.ID02347.5p-miR	3	+	53797073	53797094	CACAGGCAGGAGACCCCACAGC	23366
TJU_CMC_MD2.ID02364.3p-miR	3	+	105289222	105289243	CAAATTGACATTTGGGAACTGA	23367
TJU_CMC_MD2.ID02365.5p-miR	3	+	108181262	108181282	TCAGGGATGCTACTTAACTTC	23368
TJU_CMC_MD2.ID02367.3p-miR	3	+	113311139	113311160	CAAAAATCACAATTATTTTCGC	23369
TJU_CMC_MD2.ID02367.5p-miR	3	+	113311103	113311125	TGAAAGTAATTGCGGTTTTGCCA	23370
TJU_CMC_MD2.ID02377.5p-miR	3	+	122888090	122888113	AAACAAATGTATCTATGTGTATGT	23371
TJU_CMC_MD2.ID02389.3p-miR	3	-	127305954	127305975	AGATCAAAAGCCTCAGGGCAGA	23372
TJU_CMC_MD2.ID02390.3p-miR	3	-	127478545	127478567	TGCATCAGGCCACTCCTTCCTCC	23373
TJU_CMC_MD2.ID02412.3p-miR	3	-	145249912	145249932	CTGACACTTCTCAGAATTCTT	23374
TJU_CMC_MD2.ID02419.3p-miR	3	+	157480679	157480698	AACCGCCATTACTTTTGCAA	23375
TJU_CMC_MD2.ID02441.5p-miR	3	-	189900560	189900580	CGAGTTATAATTCCAAAGTCA	23376
TJU_CMC_MD2.ID02454.5p-miR	3	+	197750691	197750714	GAAGAGTAATTGTGGTTTTGCCGT	23377
TJU_CMC_MD2.ID02475.5p-miR	4	+	2945616	2945637	AGCACTGCTTTTCCCCATGTGG	23378

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TJU_CMC_MD2.ID02488.3p-miR	4	+	8271525	8271547	GATGCCCCTGCCGCCCTGACGCC	23379
TJU_CMC_MD2.ID02488.5p-miR	4	+	8271486	8271506	GCTGGAGGGAGCTGGTCCCTG	23380
TJU_CMC_MD2.ID02495.3p-miR	4	+	16229494	16229515	AAAGGGGACAGCTCACAGGATT	23381
TJU_CMC_MD2.ID02497.3p-miR	4	-	21466322	21466343	AACAACAGTATACACCAAATAG	23382
TJU_CMC_MD2.ID02508.5p-miR	4	+	39240138	39240159	GAGCTAGGGATATCTCCTGAGA	23383
TJU_CMC_MD2.ID02514.3p-miR	4	-	48222139	48222160	AGATTGAGTTCTCCCCATCTCC	23384
TJU_CMC_MD2.ID02514.5p-miR	4	-	48222180	48222200	AGATGGGGAGAACTCAATCCT	23385
TJU_CMC_MD2.ID02535.3p-miR	4	-	76895035	76895057	TGTGCAGGCATGCAGTTTATGTT	23386
TJU_CMC_MD2.ID02536.5p-miR	4	-	77969682	77969703	CCCTGGTGACCTGTGACAAAGG	23387
TJU_CMC_MD2.ID02555.5p-miR	4	+	104343275	104343296	AAGTGACTGTGGTTTTTGCCAT	23388
TJU_CMC_MD2.ID02559.5p-miR	4	+	114027987	114028008	ATTCCTGTAACTGGGCCAGTTT	23389
TJU_CMC_MD2.ID02563.3p-miR	4	+	129471349	129471369	CTACGTGACCAGAAGTTTCAG	23390
TJU_CMC_MD2.ID02565.3p-miR	4	-	139228328	139228349	CCTAGCAGTCTCAGGACACACA	23391
TJU_CMC_MD2.ID02565.5p-miR	4	-	139228366	139228386	TGTGCCCTGAGACTGCTAAGT	23392
TJU_CMC_MD2.ID02569.3p-miR	4	+	141073481	141073501	TTCCCCGCTTCCCCCCTAGGG	23393
TJU_CMC_MD2.ID02614.3p-miR	5	+	31219647	31219667	TGAATGATGTAAATGAGGCAG	23394
TJU_CMC_MD2.ID02615.5p-miR	5	-	31470572	31470592	CTGGCACAAAAGTAGTTGCGG	23395
TJU_CMC_MD2.ID02619.5p-miR	5	-	34045881	34045902	TCTGCCATTGACCCATTATTGA	23396
TJU_CMC_MD2.ID02620.5p-miR	5	-	34538048	34538069	GTTGTCAGTCAGGGGTCCCTGG	23397
TJU_CMC_MD2.ID02637.3p-miR	5	+	56680111	56680133	TCTAAATGGGAGTTGAGCAATGA	23398
TJU_CMC_MD2.ID02641.5p-miR	5	+	66760366	66760388	CAAAGGTACTTGCAGTTTTTGCT	23399
TJU_CMC_MD2.ID02647.3p-miR	5	+	72144677	72144697	GGGAGCGGGCGGGCGGGAGCG	23400
TJU_CMC_MD2.ID02656.5p-miR	5	+	81268060	81268081	CCCCCTGGCCCCGTCGCCCCGC	23401
TJU_CMC_MD2.ID02663.5p-miR	5	-	94251443	94251463	TGAACTTGACTTACAGGGTGA	23402
TJU_CMC_MD2.ID02671.5p-miR	5	+	108949189	108949210	TAGCAAGGGCTCCGGAAGGTCA	23403
TJU_CMC_MD2.ID02674.3p-miR	5	+	118407421	118407443	CAGAACGACGGGCAGAGGCGCGA	23404
TJU_CMC_MD2.ID02676.5p-miR	5	-	118665522	118665545	TTCCCCAAACCTTGTCTGGACATG	23405
TJU_CMC_MD2.ID02725.3p-miR	5	+	156737037	156737057	CAAAAGGGCTCAGAGCACAGC	23406
TJU_CMC_MD2.ID02742.5p-miR	5	+	173278563	173278584	GAGGGTCTGACTGTCACTTGGA	23407

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TJU_CMC_MD2.ID02753.3p-miR	5	-	176766350	176766371	GCTGGGGAGGTGAACTGGTGAA	23408
TJU_CMC_MD2.ID02753.5p-miR	5	-	176766392	176766412	ACCAGCTCTCATCCCCAGCGC	23409
TJU_CMC_MD2.ID02755.3p-miR	5	+	176862006	176862027	TCCACCTGTTTCTCCACCCACA	23410
TJU_CMC_MD2.ID02782.5p-miR	6	+	5773857	5773877	TGAGGGAACAGAGGACTGAAG	23411
TJU_CMC_MD2.ID02827.3p-miR	6	+	38630513	38630534	GCAAAAACCTTAATTACCTTTG	23412
TJU_CMC_MD2.ID02828.3p-miR	6	+	39042136	39042157	TTTTTTGCTGGAACATTTCTGG	23413
TJU_CMC_MD2.ID02835.3p-miR	6	-	41701291	41701312	GCCCGGAGAGCTGGGAGCCAGA	23414
TJU_CMC_MD2.ID02835.5p-miR	6	-	41701327	41701348	TGGCTCCCTTCTCTCCGTCTGC	23415
TJU_CMC_MD2.ID02872.3p-miR	6	-	108097507	108097527	TAAAAACCGTGACTACTTCTG	23416
TJU_CMC_MD2.ID02876.3p-miR	6	+	120144291	120144312	CCACATACTTCACTTGCTCAGT	23417
TJU_CMC_MD2.ID02876.5p-miR	6	+	120144252	120144273	ATTGAGCAAGTGAAGTATGTGG	23418
TJU_CMC_MD2.ID02897.3p-miR	6	-	143770740	143770762	CTATAGGATTATAATGAAGCTGA	23419
TJU_CMC_MD2.ID02901.3p-miR	6	+	147525325	147525345	CTGAGCGGGCTCGGGCGCCGC	23420
TJU_CMC_MD2.ID02912.3p-miR	6	-	156653677	156653698	GCTGGAGGAGGTTTGTCCCACA	23421
TJU_CMC_MD2.ID02912.5p-miR	6	-	156653716	156653738	TGGGACAAACCTCCCCCAGCATG	23422
TJU_CMC_MD2.ID02940.3p-miR	7	-	1987345	1987366	GCAGGTTCCACAACCCAGCCGT	23423
TJU_CMC_MD2.ID02997.5p-miR	7	+	65544886	65544907	TGAGCCACCACTCCCAGTCCTA	23424
TJU_CMC_MD2.ID03010.5p-miR	7	-	74072617	74072638	ATCGCCTCGTTTCGGCCACTGC	23425
TJU_CMC_MD2.ID03021.5p-miR	7	-	92311827	92311848	GACCGTAAGGATACAATGATTG	23426
TJU_CMC_MD2.ID03043.5p-miR	7	-	110356197	110356219	GACAGACAGATCTTTTCCCAACC	23427
TJU_CMC_MD2.ID03094.3p-miR	8	+	893039	893060	TGCGTGACTGACCACAATCCGA	23428
TJU_CMC_MD2.ID03094.5p-miR	8	+	893004	893026	TGGATTGTGGGTTGGCCACATGG	23429
TJU_CMC_MD2.ID03095.3p-miR	8	-	1703298	1703319	TTGCTGGGAAAGGGAGAAGTTC	23430
TJU_CMC_MD2.ID03095.5p-miR	8	-	1703339	1703360	ACCAACTTCTCCCTTTCCCAGA	23431
TJU_CMC_MD2.ID03103.3p-miR	8	+	11352780	11352800	ATCCACCCACATTACCAAGGA	23432
TJU_CMC_MD2.ID03109.3p-miR	8	-	14858096	14858116	AAAGAGAAGCGAAGATGGAGC	23433
TJU_CMC_MD2.ID03109.5p-miR	8	-	14858133	14858153	GCCATCTCCTCTGTTCTTTGC	23434
TJU_CMC_MD2.ID03152.3p-miR	8	-	71129383	71129404	TGGCTAACCCAAAACAGAGACT	23435
TJU_CMC_MD2.ID03159.3p-miR	8	+	75585012	75585032	ATATCTGCTGAATTCTGCTGA	23436
TJU_CMC_MD2.ID03159.5p-miR	8	+	75584969	75584988	TGCTGAATTCTGTTGATATT	23437
TJU_CMC_MD2.ID03160.5p-miR	8	-	77846816	77846836	CGTAACATTCCACAGGCTGCT	23438

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TJU_CMC_MD2.ID03167.3p-miR	8	+	99306433	99306455	GAGGAGGCCGCCGCCGCAGCCACT	23439
TJU_CMC_MD2.ID03170.3p-miR	8	-	99405895	99405916	TTATCCTCCAGTAGACTAGGGA	23440
TJU_CMC_MD2.ID03170.5p-miR	8	-	99405932	99405952	CCAGCCTACTGGAGGATAAGA	23441
TJU_CMC_MD2.ID03203.3p-miR	8	-	144573493	144573514	TTCCGTGTGGGCCGGCAGTGGC	23442
TJU_CMC_MD2.ID03255.5p-miR	9	-	33108730	33108751	TGGAGCACACCAGTGAAAGGTT	23443
TJU_CMC_MD2.ID03264.3p-miR	9	+	37296068	37296089	CATAAACCACAATTACTTTTGC	23444
TJU_CMC_MD2.ID03271.5p-miR	9	+	74922790	74922810	GATGCTCTCTACATAAACCTA	23445
TJU_CMC_MD2.ID03281.3p-miR	9	+	88601408	88601427	ATGGAGGTGGAAGTCAGAGA	23446
TJU_CMC_MD2.ID03285.3p-miR	9	+	91079206	91079227	TGGCCAAAACAGCAGTTACTTT	23447
TJU_CMC_MD2.ID03292.3p-miR	9	+	93698895	93698917	CAAGAACCACAGAGCAACACAGA	23448
TJU_CMC_MD2.ID03310.5p-miR	9	+	108860517	108860536	TGCCCCCACCCACACTGGAG	23449
TJU_CMC_MD2.ID03340.3p-miR	9	-	131017806	131017827	CCAGGTGTCTTCCATTCTGTCC	23450
TJU_CMC_MD2.ID03340.5p-miR	9	-	131017845	131017867	ACAGGATGCCAGCACCCAAGGGC	23451
TJU_CMC_MD2.ID03351.5p-miR	9	-	135796370	135796391	TGGAGAAAGGACTTCAGGGAGT	23452
TJU_CMC_MD2.ID03379.3p-miR	9	-	139423985	139424006	CATCTTCCCAAGCCTCCTCCAT	23453
TJU_CMC_MD2.ID03405.3p-miR	X	+	1514317	1514337	CAGCAGGGTGGTGCTGTCTGT	23454
TJU_CMC_MD2.ID03415.5p-miR	X	-	15510210	15510230	TCTGTCAGCCTCATTGGTAGC	23455
TJU_CMC_MD2.ID03421.5p-miR	X	+	21520311	21520330	ACAGTAGGCACAGAATCCCA	23456
TJU_CMC_MD2.ID03426.5p-miR	X	+	36124382	36124403	AGATTGCTCTTTGACTAATTAG	23457
TJU_CMC_MD2.ID03439.5p-miR	X	+	55028324	55028346	TAGCTGTGCACCCTCTGGCAAGT	23458
TJU_CMC_MD2.ID03441.3p-miR	X	-	74064374	74064395	TGAGGCTCGCCAGGGGGAGTTGA	23459
TJU_CMC_MD2.ID03474.3p-miR	X	-	148586778	148586801	CGGGCGGCGGCTGTGTTGCGCAGT	23460
TJU_CMC_MD2.ID03493.3p-miR	Y	+	3498240	3498261	CTCAATTACTTTTGTGCCTATC	23461

Table 2. Additional miRNA sequences

Hairpin Label	SEQ ID NO:	Hairpin Coordinates			
TJU_CMC_MD2.ID00001.hairpin	23462	1	-	955236	955289
TJU_CMC_MD2.ID00002.hairpin	23463	1	+	1002074	1002139
TJU_CMC_MD2.ID00003.hairpin	23464	1	-	1093536	1093616
TJU_CMC_MD2.ID00004.hairpin	23465	1	-	1103256	1103316
TJU_CMC_MD2.ID00004.hairpin	23466	1	-	1103256	1103316
TJU_CMC_MD2.ID00005.hairpin;ID=MI0001641;Alias=MI0001641;Name=hsa-mir-429	23467	1	+	1104385	1104467
TJU_CMC_MD2.ID00006.hairpin	23468	1	-	1140872	1140928
TJU_CMC_MD2.ID00007.hairpin	23469	1	-	1231660	1231730
TJU_CMC_MD2.ID00008.hairpin	23470	1	-	1273563	1273627
TJU_CMC_MD2.ID00009.hairpin	23471	1	-	1284578	1284639
TJU_CMC_MD2.ID00010.hairpin	23472	1	-	1284693	1284743
TJU_CMC_MD2.ID00012.hairpin	23473	1	+	1284914	1284986
TJU_CMC_MD2.ID00013.hairpin	23474	1	-	1289889	1289965
TJU_CMC_MD2.ID00014.hairpin	23475	1	+	1290959	1291027
TJU_CMC_MD2.ID00015.hairpin	23476	1	+	1368120	1368195
TJU_CMC_MD2.ID00016.hairpin	23477	1	+	1551668	1551723
TJU_CMC_MD2.ID00017.hairpin	23478	1	-	1562099	1562175
TJU_CMC_MD2.ID00018.hairpin	23479	1	+	1564629	1564710
TJU_CMC_MD2.ID00020.hairpin	23480	1	+	1950958	1951041
TJU_CMC_MD2.ID00021.hairpin	23481	1	+	2159704	2159754
TJU_CMC_MD2.ID00022.hairpin	23482	1	+	2160839	2160915
TJU_CMC_MD2.ID00023.hairpin	23483	1	+	2243342	2243395
TJU_CMC_MD2.ID00024.hairpin	23484	1	+	2360381	2360437

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TJU_CMC_MD2.ID00025.hairpin	23485	1	-	2476569	2476624
TJU_CMC_MD2.ID00026.hairpin	23486	1	-	2477767	2477854
TJU_CMC_MD2.ID00027.hairpin	23487	1	-	2509630	2509691
TJU_CMC_MD2.ID00028.hairpin	23488	1	-	2517848	2517908
TJU_CMC_MD2.ID00029.hairpin	23489	1	-	2929204	2929268
TJU_CMC_MD2.ID00030.hairpin	23490	1	-	2984078	2984151
TJU_CMC_MD2.ID00031.hairpin	23491	1	-	3551642	3551723
TJU_CMC_MD2.ID00032.hairpin	23492	1	-	3773648	3773701
TJU_CMC_MD2.ID00033.hairpin	23493	1	+	4664320	4664383
TJU_CMC_MD2.ID00034.hairpin	23494	1	-	6295950	6296005
TJU_CMC_MD2.ID00035.hairpin	23495	1	-	6320951	6321020
TJU_CMC_MD2.ID00036.hairpin	23496	1	-	6453562	6453631
TJU_CMC_MD2.ID00037.hairpin	23497	1	-	6535198	6535266
TJU_CMC_MD2.ID00038.hairpin	23498	1	-	6548991	6549054
TJU_CMC_MD2.ID00039.hairpin	23499	1	-	6662701	6662751
TJU_CMC_MD2.ID00040.hairpin	23500	1	+	6685758	6685818
TJU_CMC_MD2.ID00041.hairpin	23501	1	+	7253545	7253607
TJU_CMC_MD2.ID00041.hairpin	23502	1	+	7253545	7253607
TJU_CMC_MD2.ID00042.hairpin	23503	1	+	7496620	7496678
TJU_CMC_MD2.ID00043.hairpin	23504	1	+	7764584	7764658
TJU_CMC_MD2.ID00044.hairpin	23505	1	-	8319741	8319817
TJU_CMC_MD2.ID00045.hairpin	23506	1	+	8324253	8324331
TJU_CMC_MD2.ID00046.hairpin	23507	1	+	9673862	9673925
TJU_CMC_MD2.ID00046.hairpin	23508	1	+	9673862	9673925
TJU_CMC_MD2.ID00047.hairpin	23509	1	+	9780726	9780797
TJU_CMC_MD2.ID00048.hairpin	23510	1	+	10270601	10270659
TJU_CMC_MD2.ID00049.hairpin	23511	1	+	10754515	10754601
TJU_CMC_MD2.ID00050.hairpin	23512	1	-	10754982	10755044
TJU_CMC_MD2.ID00051.hairpin	23513	1	+	10809082	10809147
TJU_CMC_MD2.ID00052.hairpin	23514	1	+	11072687	11072756
TJU_CMC_MD2.ID00053.hairpin	23515	1	-	11333463	11333538

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00054.hairpin	23516	1	+	11538707	11538761
TJU_CMC_MD2.ID00055.hairpin	23517	1	-	11586569	11586642
TJU_CMC_MD2.ID00056.hairpin	23518	1	-	12600031	12600111
TJU_CMC_MD2.ID00058.hairpin	23519	1	-	14075667	14075718
TJU_CMC_MD2.ID00059.hairpin	23520	1	+	15755851	15755905
TJU_CMC_MD2.ID00060.hairpin	23521	1	+	16010834	16010884
TJU_CMC_MD2.ID00061.hairpin	23522	1	+	16010967	16011022
TJU_CMC_MD2.ID00062.hairpin	23523	1	-	16163471	16163550
TJU_CMC_MD2.ID00063.hairpin	23524	1	-	16173990	16174061
TJU_CMC_MD2.ID00064.hairpin	23525	1	+	16400049	16400127
TJU_CMC_MD2.ID00065.hairpin	23526	1	-	16678906	16678968
TJU_CMC_MD2.ID00066.hairpin	23527	1	+	17287192	17287253
TJU_CMC_MD2.ID00067.hairpin	23528	1	-	17318897	17318963
TJU_CMC_MD2.ID00068.hairpin	23529	1	+	17765107	17765163
TJU_CMC_MD2.ID00069.hairpin	23530	1	-	17872362	17872446
TJU_CMC_MD2.ID00070.hairpin	23531	1	+	17945709	17945773
TJU_CMC_MD2.ID00071.hairpin	23532	1	-	19043523	19043599
TJU_CMC_MD2.ID00072.hairpin	23533	1	-	19811895	19811972
TJU_CMC_MD2.ID00073.hairpin	23534	1	-	19812054	19812103
TJU_CMC_MD2.ID00074.hairpin	23535	1	-	19838574	19838647
TJU_CMC_MD2.ID00075.hairpin	23536	1	+	19838574	19838651
TJU_CMC_MD2.ID00076.hairpin	23537	1	+	19923672	19923730
TJU_CMC_MD2.ID00077.hairpin	23538	1	+	20209221	20209310
TJU_CMC_MD2.ID00078.hairpin	23539	1	+	20236917	20237005
TJU_CMC_MD2.ID00079.hairpin;ID=MI0006390;Alia s=MI0006390;Name=hsa-mir-1256	23540	1	-	21314807	21314925
TJU_CMC_MD2.ID00080.hairpin	23541	1	-	22447856	22447936
TJU_CMC_MD2.ID00081.hairpin	23542	1	-	23346282	23346343
TJU_CMC_MD2.ID00082.hairpin	23543	1	+	23695412	23695488
TJU_CMC_MD2.ID00083.hairpin	23544	1	-	23880360	23880417

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00084.hairpin	23545	1	+	24127489	24127572
TJU_CMC_MD2.ID00085.hairpin	23546	1	+	24195263	24195318
TJU_CMC_MD2.ID00086.hairpin	23547	1	+	24286293	24286354
TJU_CMC_MD2.ID00087.hairpin	23548	1	-	25071793	25071873
TJU_CMC_MD2.ID00088.hairpin;ID=MI0016764;Alias=MI0016764;Name=hsa-mir-4425	23549	1	+	25349994	25350077
TJU_CMC_MD2.ID00089.hairpin	23550	1	+	25943141	25943208
TJU_CMC_MD2.ID00090.hairpin	23551	1	-	26438129	26438196
TJU_CMC_MD2.ID00091.hairpin;ID=MI0009986;Alias=MI0009986;Name=hsa-mir-1976	23552	1	+	26881033	26881084
TJU_CMC_MD2.ID00092.hairpin	23553	1	-	27481558	27481620
TJU_CMC_MD2.ID00093.hairpin	23554	1	+	27692774	27692837
TJU_CMC_MD2.ID00094.hairpin	23555	1	+	28052505	28052579
TJU_CMC_MD2.ID00095.hairpin	23556	1	+	28157366	28157430
TJU_CMC_MD2.ID00096.hairpin	23557	1	-	28200819	28200894
TJU_CMC_MD2.ID00097.hairpin	23558	1	+	28202668	28202721
TJU_CMC_MD2.ID00098.hairpin	23559	1	+	28845090	28845149
TJU_CMC_MD2.ID00099.hairpin	23560	1	+	29063432	29063483
TJU_CMC_MD2.ID00100.hairpin	23561	1	+	29214888	29214943
TJU_CMC_MD2.ID00101.hairpin	23562	1	-	32201494	32201551
TJU_CMC_MD2.ID00102.hairpin	23563	1	+	32229913	32229975
TJU_CMC_MD2.ID00103.hairpin	23564	1	-	32403863	32403939
TJU_CMC_MD2.ID00104.hairpin	23565	1	+	32479361	32479451
TJU_CMC_MD2.ID00105.hairpin	23566	1	+	32633047	32633114
TJU_CMC_MD2.ID00106.hairpin	23567	1	-	33642655	33642724
TJU_CMC_MD2.ID00107.hairpin	23568	1	+	35247440	35247506
TJU_CMC_MD2.ID00108.hairpin	23569	1	-	35442490	35442554
TJU_CMC_MD2.ID00109.hairpin	23570	1	-	36184405	36184466
TJU_CMC_MD2.ID00110.hairpin	23571	1	+	36641877	36641942
TJU_CMC_MD2.ID00111.hairpin	23572	1	-	36810070	36810134

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00112.hairpin	23573	1	+	36865778	36865830
TJU_CMC_MD2.ID00113.hairpin	23574	1	-	36929879	36929952
TJU_CMC_MD2.ID00114.hairpin	23575	1	+	37948495	37948550
TJU_CMC_MD2.ID00115.hairpin	23576	1	-	38003349	38003426
TJU_CMC_MD2.ID00116.hairpin	23577	1	-	38388579	38388644
TJU_CMC_MD2.ID00117.hairpin	23578	1	+	38511211	38511283
TJU_CMC_MD2.ID00118.hairpin;ID=MI0016060;Alia s=MI0016060;Name=hsa-mir-3659	23579	1	+	38554903	38555001
TJU_CMC_MD2.ID00119.hairpin	23580	1	+	39957305	39957361
TJU_CMC_MD2.ID00120.hairpin	23581	1	-	40149825	40149884
TJU_CMC_MD2.ID00121.hairpin	23582	1	+	40254261	40254339
TJU_CMC_MD2.ID00122.hairpin	23583	1	+	41283775	41283836
TJU_CMC_MD2.ID00122.hairpin	23584	1	+	41283775	41283836
TJU_CMC_MD2.ID00123.hairpin	23585	1	+	43805574	43805635
TJU_CMC_MD2.ID00124.hairpin	23586	1	-	43821951	43822007
TJU_CMC_MD2.ID00125.hairpin	23587	1	-	43831294	43831345
TJU_CMC_MD2.ID00127.hairpin	23588	1	+	44440622	44440681
TJU_CMC_MD2.ID00128.hairpin	23589	1	+	44451113	44451189
TJU_CMC_MD2.ID00129.hairpin	23590	1	+	44457481	44457542
TJU_CMC_MD2.ID00130.hairpin	23591	1	-	44464934	44464994
TJU_CMC_MD2.ID00131.hairpin	23592	1	-	44569103	44569161
TJU_CMC_MD2.ID00132.hairpin	23593	1	-	44705709	44705766
TJU_CMC_MD2.ID00135.hairpin	23594	1	-	46598225	46598296
TJU_CMC_MD2.ID00136.hairpin	23595	1	-	46598360	46598411
TJU_CMC_MD2.ID00137.hairpin	23596	1	+	46645994	46646051
TJU_CMC_MD2.ID00138.hairpin	23597	1	-	46913944	46914018
TJU_CMC_MD2.ID00139.hairpin	23598	1	+	47692357	47692412
TJU_CMC_MD2.ID00140.hairpin	23599	1	+	47904485	47904564
TJU_CMC_MD2.ID00141.hairpin	23600	1	-	55266699	55266763
TJU_CMC_MD2.ID00142.hairpin	23601	1	+	55685246	55685310

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TJU_CMC_MD2.ID00143.hairpin;ID=MI0016759;Alias	23602	1	+	55691314	55691396
s=MI0016759;Name=hsa-mir-4422					
TJU_CMC_MD2.ID00144.hairpin	23603	1	-	55784363	55784415
TJU_CMC_MD2.ID00145.hairpin	23604	1	+	55784363	55784417
TJU_CMC_MD2.ID00145.hairpin	23605	1	+	55784363	55784417
TJU_CMC_MD2.ID00148.hairpin	23606	1	-	59483496	59483546
TJU_CMC_MD2.ID00149.hairpin	23607	1	-	61542763	61542825
TJU_CMC_MD2.ID00150.hairpin;ID=MI0014128;Alias	23608	1	+	62544458	62544531
s=MI0014128;Name=hsa-mir-3116-1					
TJU_CMC_MD2.ID00151.hairpin	23609	1	-	63154018	63154079
TJU_CMC_MD2.ID00152.hairpin	23610	1	+	64059327	64059389
TJU_CMC_MD2.ID00153.hairpin	23611	1	-	65532907	65532963
TJU_CMC_MD2.ID00154.hairpin	23612	1	-	67388939	67389012
TJU_CMC_MD2.ID00155.hairpin;ID=MI0006397;Alias	23613	1	-	68649201	68649293
s=MI0006397;Name=hsa-mir-1262					
TJU_CMC_MD2.ID00156.hairpin	23614	1	-	75139288	75139359
TJU_CMC_MD2.ID00157.hairpin	23615	1	+	80530365	80530426
TJU_CMC_MD2.ID00159.hairpin	23616	1	-	86861594	86861674
TJU_CMC_MD2.ID00160.hairpin	23617	1	-	87169013	87169074
TJU_CMC_MD2.ID00161.hairpin	23618	1	+	87516996	87517052
TJU_CMC_MD2.ID00162.hairpin	23619	1	+	88285215	88285279
TJU_CMC_MD2.ID00163.hairpin	23620	1	+	89990464	89990555
TJU_CMC_MD2.ID00164.hairpin	23621	1	-	90873239	90873299
TJU_CMC_MD2.ID00165.hairpin	23622	1	+	91487355	91487425
TJU_CMC_MD2.ID00166.hairpin;ID=MI0005567;Alias	23623	1	+	94312388	94312467
s=MI0005567;Name=hsa-mir-760					
TJU_CMC_MD2.ID00167.hairpin	23624	1	-	94312391	94312460
TJU_CMC_MD2.ID00169.hairpin	23625	1	+	95009266	95009331
TJU_CMC_MD2.ID00170.hairpin	23626	1	-	95392613	95392665
TJU_CMC_MD2.ID00171.hairpin	23627	1	-	95582951	95583002

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00172.hairpin	23628	1	-	96219789	96219860
TJU_CMC_MD2.ID00173.hairpin	23629	1	+	98386644	98386700
TJU_CMC_MD2.ID00174.hairpin;ID=MI0000454;Alia s=MI0000454;Name=hsa-mir-137	23630	1	-	98511626	98511727
TJU_CMC_MD2.ID00175.hairpin	23631	1	-	100688868	100688951
TJU_CMC_MD2.ID00176.hairpin;ID=MI0025522;Alia s=MI0025522;Name=hsa-mir-7852	23632	1	+	108439845	108439926
TJU_CMC_MD2.ID00177.hairpin	23633	1	-	108439857	108439912
TJU_CMC_MD2.ID00178.hairpin	23634	1	-	109815219	109815282
TJU_CMC_MD2.ID00179.hairpin	23635	1	+	109815220	109815285
TJU_CMC_MD2.ID00180.hairpin;ID=MI0000239;Alia s=MI0000239;Name=hsa-mir-197	23636	1	+	110141515	110141589
TJU_CMC_MD2.ID00181.hairpin	23637	1	+	111747022	111747096
TJU_CMC_MD2.ID00183.hairpin	23638	1	-	114414737	114414793
TJU_CMC_MD2.ID00183.hairpin	23639	1	-	114414737	114414793
TJU_CMC_MD2.ID00184.hairpin	23640	1	+	115053929	115053985
TJU_CMC_MD2.ID00185.hairpin	23641	1	-	116519117	116519199
TJU_CMC_MD2.ID00186.hairpin	23642	1	-	118148036	118148088
TJU_CMC_MD2.ID00187.hairpin	23643	1	+	119683453	119683529
TJU_CMC_MD2.ID00188.hairpin	23644	1	+	145293014	145293069
TJU_CMC_MD2.ID00189.hairpin	23645	1	-	146629732	146629787
TJU_CMC_MD2.ID00190.hairpin	23646	1	+	146767057	146767112
TJU_CMC_MD2.ID00191.hairpin	23647	1	-	149821782	149821833
TJU_CMC_MD2.ID00192.hairpin	23648	1	-	149900284	149900340
TJU_CMC_MD2.ID00195.hairpin	23649	1	+	150337186	150337249
TJU_CMC_MD2.ID00196.hairpin	23650	1	-	150551797	150551869
TJU_CMC_MD2.ID00197.hairpin	23651	1	-	150972530	150972618
TJU_CMC_MD2.ID00198.hairpin	23652	1	-	151024065	151024116
TJU_CMC_MD2.ID00199.hairpin	23653	1	-	151299823	151299893
TJU_CMC_MD2.ID00200.hairpin	23654	1	-	151431185	151431270
TJU_CMC_MD2.ID00201.hairpin	23655	1	+	151800162	151800239

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00202.hairpin	23656	1	+	151810804	151810867
TJU_CMC_MD2.ID00203.hairpin	23657	1	+	153508754	153508809
TJU_CMC_MD2.ID00204.hairpin	23658	1	+	153941531	153941596
TJU_CMC_MD2.ID00205.hairpin;ID=MI0005545;Alias=MI0005545;Name=hsa-mir-190b	23659	1	-	154166141	154166219
TJU_CMC_MD2.ID00206.hairpin	23660	1	-	154531046	154531111
TJU_CMC_MD2.ID00207.hairpin	23661	1	-	154819677	154819741
TJU_CMC_MD2.ID00209.hairpin	23662	1	+	154974248	154974299
TJU_CMC_MD2.ID00210.hairpin	23663	1	+	154987804	154987868
TJU_CMC_MD2.ID00211.hairpin	23664	1	+	155029587	155029664
TJU_CMC_MD2.ID00212.hairpin	23665	1	-	155164987	155165045
TJU_CMC_MD2.ID00213.hairpin	23666	1	-	155225216	155225272
TJU_CMC_MD2.ID00214.hairpin	23667	1	-	155449154	155449204
TJU_CMC_MD2.ID00215.hairpin	23668	1	-	155881147	155881204
TJU_CMC_MD2.ID00216.hairpin	23669	1	-	156123639	156123702
TJU_CMC_MD2.ID00217.hairpin	23670	1	+	156186571	156186660
TJU_CMC_MD2.ID00217.hairpin	23671	1	+	156186571	156186660
TJU_CMC_MD2.ID00218.hairpin	23672	1	-	156391269	156391330
TJU_CMC_MD2.ID00219.hairpin	23673	1	-	156721266	156721317
TJU_CMC_MD2.ID00220.hairpin	23674	1	+	156721691	156721754
TJU_CMC_MD2.ID00221.hairpin	23675	1	+	159824808	159824870
TJU_CMC_MD2.ID00222.hairpin	23676	1	+	159894491	159894547
TJU_CMC_MD2.ID00223.hairpin	23677	1	-	160062694	160062754
TJU_CMC_MD2.ID00224.hairpin	23678	1	-	161083905	161083990
TJU_CMC_MD2.ID00225.hairpin	23679	1	+	161135086	161135147
TJU_CMC_MD2.ID00226.hairpin	23680	1	-	161696567	161696650
TJU_CMC_MD2.ID00227.hairpin	23681	1	+	162205420	162205470
TJU_CMC_MD2.ID00228.hairpin	23682	1	-	162531055	162531107
TJU_CMC_MD2.ID00229.hairpin	23683	1	+	164107687	164107736

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TJU_CMC_MD2.ID00230.hairpin	23684	1	+	165325750	165325801
TJU_CMC_MD2.ID00231.hairpin	23685	1	-	166808526	166808583
TJU_CMC_MD2.ID00231.hairpin	23686	1	-	166808526	166808583
TJU_CMC_MD2.ID00232.hairpin	23687	1	-	167440521	167440584
TJU_CMC_MD2.ID00233.hairpin	23688	1	-	167522880	167522963
TJU_CMC_MD2.ID00234.hairpin	23689	1	+	170649590	170649649
TJU_CMC_MD2.ID00235.hairpin;ID=MI0006357;Alia s=MI0006357;Name=hsa-mir-1295a	23690	1	-	171070869	171070947
TJU_CMC_MD2.ID00236.hairpin	23691	1	+	171220864	171220929
TJU_CMC_MD2.ID00238.hairpin	23692	1	+	173846772	173846839
TJU_CMC_MD2.ID00239.hairpin	23693	1	+	174969188	174969239
TJU_CMC_MD2.ID00240.hairpin	23694	1	+	176176805	176176871
TJU_CMC_MD2.ID00241.hairpin;ID=MI0016763;Alia s=MI0016763;Name=hsa-mir-4424	23695	1	+	178646884	178646969
TJU_CMC_MD2.ID00242.hairpin	23696	1	-	178694248	178694299
TJU_CMC_MD2.ID00243.hairpin	23697	1	+	179923940	179923994
TJU_CMC_MD2.ID00244.hairpin	23698	1	+	180123996	180124054
TJU_CMC_MD2.ID00245.hairpin	23699	1	-	180235604	180235659
TJU_CMC_MD2.ID00246.hairpin	23700	1	+	180768894	180768949
TJU_CMC_MD2.ID00247.hairpin	23701	1	-	182360849	182360925
TJU_CMC_MD2.ID00247.hairpin	23702	1	-	182360849	182360925
TJU_CMC_MD2.ID00248.hairpin	23703	1	-	182992097	182992181
TJU_CMC_MD2.ID00249.hairpin	23704	1	+	185126601	185126675
TJU_CMC_MD2.ID00250.hairpin	23705	1	-	185286278	185286365
TJU_CMC_MD2.ID00252.hairpin	23706	1	+	198126255	198126334
TJU_CMC_MD2.ID00253.hairpin	23707	1	-	199052117	199052180
TJU_CMC_MD2.ID00255.hairpin;ID=MI0018170;Alia s=MI0018170;Name=hsa-mir-5191	23708	1	+	201688636	201688755
TJU_CMC_MD2.ID00256.hairpin;ID=MI0006321;Alia s=MI0006321;Name=hsa-mir-1231	23709	1	+	201777739	201777830
TJU_CMC_MD2.ID00257.hairpin	23710	1	+	201858004	201858083

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TJU_CMC_MD2.ID00258.hairpin	23711	1	-	203430670	203430727
TJU_CMC_MD2.ID00259.hairpin	23712	1	+	204041512	204041567
TJU_CMC_MD2.ID00261.hairpin	23713	1	-	205405227	205405293
TJU_CMC_MD2.ID00262.hairpin	23714	1	+	205497223	205497282
TJU_CMC_MD2.ID00263.hairpin	23715	1	+	205600653	205600740
TJU_CMC_MD2.ID00264.hairpin	23716	1	-	205639093	205639166
TJU_CMC_MD2.ID00265.hairpin	23717	1	+	206907409	206907476
TJU_CMC_MD2.ID00266.hairpin	23718	1	+	207845779	207845836
TJU_CMC_MD2.ID00267.hairpin	23719	1	-	208042453	208042502
TJU_CMC_MD2.ID00268.hairpin	23720	1	-	208132519	208132606
TJU_CMC_MD2.ID00269.hairpin	23721	1	+	209712234	209712292
TJU_CMC_MD2.ID00270.hairpin	23722	1	-	210111402	210111457
TJU_CMC_MD2.ID00271.hairpin	23723	1	+	215235891	215235951
TJU_CMC_MD2.ID00272.hairpin	23724	1	+	215761740	215761806
TJU_CMC_MD2.ID00273.hairpin;ID=MI0000488;Alia s=MI0000488;Name=hsa-mir-194-1	23725	1	-	220291499	220291583
TJU_CMC_MD2.ID00274.hairpin	23726	1	+	221052910	221052970
TJU_CMC_MD2.ID00276.hairpin	23727	1	-	223673745	223673798
TJU_CMC_MD2.ID00277.hairpin	23728	1	+	224033786	224033852
TJU_CMC_MD2.ID00278.hairpin	23729	1	+	225615280	225615344
TJU_CMC_MD2.ID00280.hairpin	23730	1	-	226298303	226298356
TJU_CMC_MD2.ID00281.hairpin	23731	1	-	226309806	226309886
TJU_CMC_MD2.ID00282.hairpin	23732	1	+	226793219	226793272
TJU_CMC_MD2.ID00283.hairpin	23733	1	-	227506506	227506561
TJU_CMC_MD2.ID00284.hairpin	23734	1	+	228070941	228071008
TJU_CMC_MD2.ID00285.hairpin	23735	1	+	228336013	228336064
TJU_CMC_MD2.ID00286.hairpin	23736	1	-	228897841	228897909
TJU_CMC_MD2.ID00287.hairpin	23737	1	-	229478261	229478344
TJU_CMC_MD2.ID00288.hairpin	23738	1	-	229689424	229689488
TJU_CMC_MD2.ID00288.hairpin	23739	1	-	229689424	229689488
TJU_CMC_MD2.ID00289.hairpin	23740	1	+	232423543	232423600

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00290.hairpin	23741	1	-	234745783	234745857	
TJU_CMC_MD2.ID00291.hairpin	23742	1	+	235047776	235047830	
TJU_CMC_MD2.ID00293.hairpin	23743	1	-	236104876	236104938	
TJU_CMC_MD2.ID00293.hairpin	23744	1	-	236104876	236104938	
TJU_CMC_MD2.ID00294.hairpin	23745	1	+	236305870	236305945	
TJU_CMC_MD2.ID00295.hairpin	23746	1	-	241682462	241682514	
TJU_CMC_MD2.ID00296.hairpin	23747	1	+	242687971	242688045	
TJU_CMC_MD2.ID00297.hairpin	23748	1	+	243419591	243419649	
TJU_CMC_MD2.ID00298.hairpin	23749	1	+	244013772	244013829	
TJU_CMC_MD2.ID00299.hairpin	23750	1	-	244198691	244198764	
TJU_CMC_MD2.ID00300.hairpin	23751	1	-	244211416	244211490	
TJU_CMC_MD2.ID00301.hairpin	23752	1	-	247374110	247374183	
TJU_CMC_MD2.ID00302.hairpin	23753	1	+	247495349	247495400	
TJU_CMC_MD2.ID00303.hairpin	23754	1	+	248020756	248020817	
TJU_CMC_MD2.ID00304.hairpin	23755	1	+	249200417	249200481	
TJU_CMC_MD2.ID00305.hairpin	23756	10	-	413792	413861	
TJU_CMC_MD2.ID00306.hairpin	23757	10	-	735518	735588	
TJU_CMC_MD2.ID00307.hairpin	23758	10	-	735822	735882	
TJU_CMC_MD2.ID00309.hairpin	23759	10	+	1102387	1102462	
TJU_CMC_MD2.ID00310.hairpin	23760	10	-	1102582	1102636	
TJU_CMC_MD2.ID00311.hairpin	23761	10	+	1419398	1419463	
TJU_CMC_MD2.ID00312.hairpin	23762	10	+	3827721	3827787	
TJU_CMC_MD2.ID00313.hairpin	23763	10	+	3827795	3827875	
TJU_CMC_MD2.ID00315.hairpin	23764	10	+	5003146	5003209	
TJU_CMC_MD2.ID00315.hairpin	23765	10	+	5003146	5003209	
TJU_CMC_MD2.ID00316.hairpin	23766	10	+	5488541	5488613	
TJU_CMC_MD2.ID00318.hairpin	23767	10	+	5932140	5932228	
TJU_CMC_MD2.ID00320.hairpin	23768	10	-	6183633	6183715	
TJU_CMC_MD2.ID00321.hairpin;ID=MI0014183;Alias=MI0014183;Name=hsa-mir-3155a	23769	10	+	6194159	6194240	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00322.hairpin	23770	10	+	10967356	10967409
TJU_CMC_MD2.ID00323.hairpin	23771	10	-	12391687	12391746
TJU_CMC_MD2.ID00324.hairpin	23772	10	+	20148385	20148441
TJU_CMC_MD2.ID00325.hairpin	23773	10	-	21783683	21783741
TJU_CMC_MD2.ID00326.hairpin	23774	10	-	21805745	21805814
TJU_CMC_MD2.ID00327.hairpin	23775	10	+	21823747	21823882
TJU_CMC_MD2.ID00327.hairpin	23776	10	+	21823747	21823882
TJU_CMC_MD2.ID00328.hairpin	23777	10	-	22541343	22541433
TJU_CMC_MD2.ID00329.hairpin	23778	10	-	23463540	23463600
TJU_CMC_MD2.ID00330.hairpin	23779	10	-	24497799	24497888
TJU_CMC_MD2.ID00331.hairpin	23780	10	-	25012532	25012606
TJU_CMC_MD2.ID00332.hairpin	23781	10	-	25241639	25241720
TJU_CMC_MD2.ID00333.hairpin	23782	10	-	26500865	26500916
TJU_CMC_MD2.ID00334.hairpin	23783	10	+	26507178	26507230
TJU_CMC_MD2.ID00335.hairpin	23784	10	-	26915379	26915437
TJU_CMC_MD2.ID00336.hairpin	23785	10	-	28591898	28591968
TJU_CMC_MD2.ID00337.hairpin	23786	10	+	28868192	28868254
TJU_CMC_MD2.ID00338.hairpin	23787	10	+	28966401	28966468
TJU_CMC_MD2.ID00339.hairpin	23788	10	+	30723061	30723141
TJU_CMC_MD2.ID00340.hairpin	23789	10	-	31892438	31892527
TJU_CMC_MD2.ID00342.hairpin	23790	10	-	32635956	32636019
TJU_CMC_MD2.ID00343.hairpin	23791	10	+	35625386	35625464
TJU_CMC_MD2.ID00344.hairpin	23792	10	-	35929715	35929788
TJU_CMC_MD2.ID00345.hairpin	23793	10	+	38383758	38383820
TJU_CMC_MD2.ID00346.hairpin	23794	10	-	43250030	43250091

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00347.hairpin	23795	10	+	43762038	43762132	
TJU_CMC_MD2.ID00348.hairpin	23796	10	-	43892111	43892165	
TJU_CMC_MD2.ID00349.hairpin	23797	10	+	43916026	43916106	
TJU_CMC_MD2.ID00351.hairpin	23798	10	+	45496340	45496401	
TJU_CMC_MD2.ID00352.hairpin	23799	10	-	45496479	45496529	
TJU_CMC_MD2.ID00353.hairpin	23800	10	+	45869636	45869707	
TJU_CMC_MD2.ID00354.hairpin	23801	10	-	46168192	46168256	
TJU_CMC_MD2.ID00355.hairpin	23802	10	+	47007347	47007438	
TJU_CMC_MD2.ID00356.hairpin	23803	10	-	48370869	48370947	
TJU_CMC_MD2.ID00358.hairpin	23804	10	+	50174480	50174571	
TJU_CMC_MD2.ID00358.hairpin	23805	10	+	50174480	50174571	
TJU_CMC_MD2.ID00359.hairpin	23806	10	+	50178343	50178392	
TJU_CMC_MD2.ID00360.hairpin	23807	10	-	52384298	52384347	
TJU_CMC_MD2.ID00361.hairpin	23808	10	+	52957581	52957638	
TJU_CMC_MD2.ID00362.hairpin	23809	10	+	59207236	59207307	
TJU_CMC_MD2.ID00363.hairpin	23810	10	+	60648503	60648572	
TJU_CMC_MD2.ID00364.hairpin	23811	10	+	61666149	61666199	
TJU_CMC_MD2.ID00365.hairpin	23812	10	+	62828853	62828915	
TJU_CMC_MD2.ID00365.hairpin	23813	10	+	62828853	62828915	
TJU_CMC_MD2.ID00366.hairpin	23814	10	+	63748059	63748117	
TJU_CMC_MD2.ID00367.hairpin	23815	10	-	65094442	65094525	
TJU_CMC_MD2.ID00368.hairpin	23816	10	-	65281608	65281668	
TJU_CMC_MD2.ID00369.hairpin	23817	10	+	65281778	65281845	
TJU_CMC_MD2.ID00370.hairpin	23818	10	-	71872227	71872293	
TJU_CMC_MD2.ID00370.hairpin	23819	10	-	71872227	71872293	
TJU_CMC_MD2.ID00372.hairpin	23820	10	+	72163928	72163992	
TJU_CMC_MD2.ID00373.hairpin	23821	10	+	72182450	72182514	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00374.hairpin	23822	10	+	72238393	72238457
TJU_CMC_MD2.ID00375.hairpin	23823	10	+	72503756	72503822
TJU_CMC_MD2.ID00376.hairpin	23824	10	-	72648231	72648292
TJU_CMC_MD2.ID00377.hairpin	23825	10	+	72972316	72972369
TJU_CMC_MD2.ID00378.hairpin	23826	10	+	73079006	73079078
TJU_CMC_MD2.ID00379.hairpin	23827	10	-	75532846	75532902
TJU_CMC_MD2.ID00380.hairpin	23828	10	+	75542021	75542081
TJU_CMC_MD2.ID00381.hairpin	23829	10	+	75571716	75571788
TJU_CMC_MD2.ID00382.hairpin	23830	10	+	75633878	75633961
TJU_CMC_MD2.ID00382.hairpin	23831	10	+	75633878	75633961
TJU_CMC_MD2.ID00384.hairpin	23832	10	-	76994967	76995025
TJU_CMC_MD2.ID00385.hairpin	23833	10	-	77161465	77161517
TJU_CMC_MD2.ID00386.hairpin	23834	10	+	79609219	79609280
TJU_CMC_MD2.ID00387.hairpin	23835	10	-	81003274	81003329
TJU_CMC_MD2.ID00388.hairpin	23836	10	+	81892499	81892561
TJU_CMC_MD2.ID00389.hairpin	23837	10	-	81965244	81965312
TJU_CMC_MD2.ID00390.hairpin	23838	10	-	82263385	82263439
TJU_CMC_MD2.ID00391.hairpin	23839	10	+	82263385	82263442
TJU_CMC_MD2.ID00392.hairpin	23840	10	+	82350723	82350789
TJU_CMC_MD2.ID00392.hairpin	23841	10	+	82350723	82350789
TJU_CMC_MD2.ID00393.hairpin	23842	10	-	82906026	82906085
TJU_CMC_MD2.ID00394.hairpin	23843	10	+	84241953	84242019
TJU_CMC_MD2.ID00395.hairpin	23844	10	+	88471046	88471126
TJU_CMC_MD2.ID00396.hairpin;ID=MI0017309;Alia s=MI0017309;Name=hsa-mir-4678	23845	10	+	89263638	89263711
TJU_CMC_MD2.ID00397.hairpin	23846	10	+	89307592	89307646
TJU_CMC_MD2.ID00398.hairpin	23847	10	+	89440442	89440502
TJU_CMC_MD2.ID00399.hairpin	23848	10	-	91295279	91295333
TJU_CMC_MD2.ID00400.hairpin;ID=MI0000114;Alia s=MI0000114;Name=hsa-mir-107	23849	10	-	91352504	91352584
TJU_CMC_MD2.ID00401.hairpin	23850	10	+	92922972	92923034

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00402.hairpin	23851	10	+	92980442	92980494
TJU_CMC_MD2.ID00403.hairpin	23852	10	+	93170062	93170141
TJU_CMC_MD2.ID00404.hairpin	23853	10	+	94449693	94449744
TJU_CMC_MD2.ID00406.hairpin	23854	10	+	95562426	95562477
TJU_CMC_MD2.ID00407.hairpin	23855	10	-	97050674	97050734
TJU_CMC_MD2.ID00408.hairpin;ID=MI0003620;Alias=MI0003620;Name=hsa-mir-607	23856	10	-	98588426	98588521
TJU_CMC_MD2.ID00409.hairpin	23857	10	+	98593007	98593092
TJU_CMC_MD2.ID00411.hairpin	23858	10	+	100027909	100027977
TJU_CMC_MD2.ID00412.hairpin	23859	10	-	102106566	102106622
TJU_CMC_MD2.ID00413.hairpin	23860	10	+	102351546	102351610
TJU_CMC_MD2.ID00414.hairpin	23861	10	-	102672534	102672585
TJU_CMC_MD2.ID00416.hairpin	23862	10	+	103051419	103051468
TJU_CMC_MD2.ID00417.hairpin	23863	10	+	103454072	103454124
TJU_CMC_MD2.ID00418.hairpin	23864	10	-	103454221	103454290
TJU_CMC_MD2.ID00419.hairpin	23865	10	-	103662358	103662413
TJU_CMC_MD2.ID00420.hairpin	23866	10	-	103880568	103880627
TJU_CMC_MD2.ID00421.hairpin	23867	10	+	104139222	104139278
TJU_CMC_MD2.ID00422.hairpin	23868	10	+	104154268	104154326
TJU_CMC_MD2.ID00423.hairpin	23869	10	+	104159980	104160035
TJU_CMC_MD2.ID00424.hairpin	23870	10	+	104210199	104210285
TJU_CMC_MD2.ID00425.hairpin	23871	10	-	104473975	104474061
TJU_CMC_MD2.ID00426.hairpin	23872	10	+	105037139	105037191
TJU_CMC_MD2.ID00427.hairpin	23873	10	+	105110367	105110428
TJU_CMC_MD2.ID00428.hairpin	23874	10	-	105453233	105453286
TJU_CMC_MD2.ID00429.hairpin	23875	10	+	105453233	105453288
TJU_CMC_MD2.ID00430.hairpin;ID=MI0003622;Alias=MI0003622;Name=hsa-mir-609	23876	10	-	105978547	105978641
TJU_CMC_MD2.ID00431.hairpin	23877	10	-	107803662	107803745
TJU_CMC_MD2.ID00432.hairpin	23878	10	-	107964957	107965029
TJU_CMC_MD2.ID00433.hairpin	23879	10	+	110226318	110226394

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TJU_CMC_MD2.ID00434.hairpin	23880	10	-	112257438	112257507	
TJU_CMC_MD2.ID00435.hairpin	23881	10	+	114136686	114136736	
TJU_CMC_MD2.ID00435.hairpin	23882	10	+	114136686	114136736	
TJU_CMC_MD2.ID00436.hairpin	23883	10	-	114305898	114305949	
TJU_CMC_MD2.ID00437.hairpin	23884	10	+	114468976	114469035	
TJU_CMC_MD2.ID00439.hairpin;ID=MI0010629;Alias=MI0010629;Name=hsa-mir-2110	23885	10	-	115933864	115933938	
TJU_CMC_MD2.ID00440.hairpin	23886	10	-	117818771	117818827	
TJU_CMC_MD2.ID00441.hairpin	23887	10	-	117818997	117819080	
TJU_CMC_MD2.ID00442.hairpin	23888	10	-	117822433	117822495	
TJU_CMC_MD2.ID00443.hairpin	23889	10	+	118927207	118927268	
TJU_CMC_MD2.ID00444.hairpin	23890	10	-	119134781	119134856	
TJU_CMC_MD2.ID00445.hairpin	23891	10	+	121201771	121201828	
TJU_CMC_MD2.ID00446.hairpin	23892	10	-	121302112	121302172	
TJU_CMC_MD2.ID00447.hairpin;ID=MI0016598;Alias=MI0016598;Name=hsa-mir-3941	23893	10	+	124176481	124176583	
TJU_CMC_MD2.ID00448.hairpin	23894	10	-	124176496	124176565	
TJU_CMC_MD2.ID00448.hairpin	23895	10	-	124176496	124176565	
TJU_CMC_MD2.ID00449.hairpin	23896	10	-	125671002	125671063	
TJU_CMC_MD2.ID00450.hairpin	23897	10	+	126847417	126847481	
TJU_CMC_MD2.ID00451.hairpin	23898	10	-	127472573	127472662	
TJU_CMC_MD2.ID00452.hairpin	23899	10	-	129215568	129215629	
TJU_CMC_MD2.ID00453.hairpin	23900	10	+	129535449	129535505	
TJU_CMC_MD2.ID00454.hairpin	23901	10	+	129866327	129866387	
TJU_CMC_MD2.ID00455.hairpin	23902	10	-	129906029	129906090	
TJU_CMC_MD2.ID00456.hairpin	23903	10	+	131964101	131964156	
TJU_CMC_MD2.ID00457.hairpin	23904	10	+	133109751	133109805	
TJU_CMC_MD2.ID00458.hairpin	23905	10	+	134209540	134209597	
TJU_CMC_MD2.ID00459.hairpin	23906	10	-	134598696	134598783	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00460.hairpin	23907	10	+	135075009	135075072
TJU_CMC_MD2.ID00461.hairpin	23908	10	-	135080920	135080978
TJU_CMC_MD2.ID00462.hairpin	23909	10	-	135081622	135081701
TJU_CMC_MD2.ID00463.hairpin	23910	10	+	135207681	135207741
TJU_CMC_MD2.ID00464.hairpin	23911	11	-	268941	269000
TJU_CMC_MD2.ID00464.hairpin	23912	11	-	268941	269000
TJU_CMC_MD2.ID00465.hairpin	23913	11	-	369480	369545
TJU_CMC_MD2.ID00466.hairpin	23914	11	-	406966	407036
TJU_CMC_MD2.ID00467.hairpin	23915	11	+	409810	409872
TJU_CMC_MD2.ID00469.hairpin	23916	11	+	488139	488200
TJU_CMC_MD2.ID00470.hairpin	23917	11	+	490775	490847
TJU_CMC_MD2.ID00471.hairpin	23918	11	-	535530	535602
TJU_CMC_MD2.ID00472.hairpin	23919	11	+	569756	569819
TJU_CMC_MD2.ID00472.hairpin	23920	11	+	569756	569819
TJU_CMC_MD2.ID00473.hairpin	23921	11	+	591202	591259
TJU_CMC_MD2.ID00474.hairpin	23922	11	+	617952	618015
TJU_CMC_MD2.ID00475.hairpin	23923	11	-	801365	801425
TJU_CMC_MD2.ID00476.hairpin	23924	11	-	842495	842564
TJU_CMC_MD2.ID00477.hairpin	23925	11	+	910675	910743
TJU_CMC_MD2.ID00478.hairpin	23926	11	+	1358426	1358489
TJU_CMC_MD2.ID00479.hairpin	23927	11	+	1411393	1411463
TJU_CMC_MD2.ID00480.hairpin	23928	11	-	1498840	1498901
TJU_CMC_MD2.ID00480.hairpin	23929	11	-	1498840	1498901
TJU_CMC_MD2.ID00481.hairpin	23930	11	+	1664400	1664459
TJU_CMC_MD2.ID00482.hairpin	23931	11	-	1780553	1780602
TJU_CMC_MD2.ID00483.hairpin	23932	11	+	1857596	1857655
TJU_CMC_MD2.ID00484.hairpin	23933	11	-	2018544	2018621
TJU_CMC_MD2.ID00485.hairpin	23934	11	-	2221592	2221660
TJU_CMC_MD2.ID00486.hairpin	23935	11	+	2334412	2334472
TJU_CMC_MD2.ID00487.hairpin	23936	11	+	2337747	2337806
TJU_CMC_MD2.ID00488.hairpin	23937	11	+	2865255	2865338

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TJU_CMC_MD2.ID00489.hairpin	23938	11	+	3349234	3349294
TJU_CMC_MD2.ID00490.hairpin	23939	11	+	3862989	3863049
TJU_CMC_MD2.ID00491.hairpin	23940	11	+	6440660	6440710
TJU_CMC_MD2.ID00492.hairpin	23941	11	+	7110843	7110905
TJU_CMC_MD2.ID00493.hairpin	23942	11	+	8290232	8290310
TJU_CMC_MD2.ID00494.hairpin	23943	11	+	8737183	8737262
TJU_CMC_MD2.ID00495.hairpin	23944	11	+	8986060	8986121
TJU_CMC_MD2.ID00496.hairpin	23945	11	+	9113183	9113268
TJU_CMC_MD2.ID00497.hairpin	23946	11	+	9336311	9336381
TJU_CMC_MD2.ID00498.hairpin	23947	11	-	9594829	9594901
TJU_CMC_MD2.ID00499.hairpin	23948	11	+	10831005	10831068
TJU_CMC_MD2.ID00500.hairpin	23949	11	+	12132158	12132209
TJU_CMC_MD2.ID00502.hairpin	23950	11	+	12432758	12432820
TJU_CMC_MD2.ID00503.hairpin	23951	11	+	13299376	13299464
TJU_CMC_MD2.ID00504.hairpin	23952	11	-	17229438	17229498
TJU_CMC_MD2.ID00505.hairpin	23953	11	+	18352890	18352946
TJU_CMC_MD2.ID00507.hairpin	23954	11	+	19781563	19781618
TJU_CMC_MD2.ID00508.hairpin	23955	11	+	20402283	20402349
TJU_CMC_MD2.ID00509.hairpin	23956	11	-	24608632	24608695
TJU_CMC_MD2.ID00510.hairpin	23957	11	-	28078377	28078433
TJU_CMC_MD2.ID00512.hairpin	23958	11	+	31821698	31821759
TJU_CMC_MD2.ID00513.hairpin	23959	11	+	32112591	32112646
TJU_CMC_MD2.ID00515.hairpin	23960	11	+	33279042	33279091
TJU_CMC_MD2.ID00516.hairpin	23961	11	+	33397826	33397887
TJU_CMC_MD2.ID00517.hairpin	23962	11	-	33722052	33722113
TJU_CMC_MD2.ID00518.hairpin	23963	11	-	36189420	36189474
TJU_CMC_MD2.ID00519.hairpin	23964	11	+	44640532	44640594
TJU_CMC_MD2.ID00520.hairpin	23965	11	-	45168061	45168111
TJU_CMC_MD2.ID00521.hairpin	23966	11	+	45869038	45869098
TJU_CMC_MD2.ID00522.hairpin	23967	11	+	46369027	46369084

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00523.hairpin	23968	11	+	46400482	46400541
TJU_CMC_MD2.ID00524.hairpin	23969	11	-	46744998	46745069
TJU_CMC_MD2.ID00525.hairpin	23970	11	+	47291675	47291738
TJU_CMC_MD2.ID00526.hairpin	23971	11	+	47297383	47297451
TJU_CMC_MD2.ID00526.hairpin	23972	11	+	47297383	47297451
TJU_CMC_MD2.ID00527.hairpin	23973	11	+	47430038	47430087
TJU_CMC_MD2.ID00528.hairpin	23974	11	-	47663997	47664058
TJU_CMC_MD2.ID00529.hairpin	23975	11	-	47746105	47746164
TJU_CMC_MD2.ID00529.hairpin	23976	11	-	47746105	47746164
TJU_CMC_MD2.ID00530.hairpin;ID=MI0014191;Alias=MI0014191;Name=hsa-mir-3161	23977	11	+	48118334	48118410
TJU_CMC_MD2.ID00531.hairpin	23978	11	-	48236601	48236658
TJU_CMC_MD2.ID00534.hairpin	23979	11	+	58346919	58346972
TJU_CMC_MD2.ID00535.hairpin	23980	11	-	60928602	60928667
TJU_CMC_MD2.ID00536.hairpin	23981	11	+	60929965	60930024
TJU_CMC_MD2.ID00537.hairpin	23982	11	+	61533354	61533431
TJU_CMC_MD2.ID00538.hairpin	23983	11	+	61735266	61735338
TJU_CMC_MD2.ID00539.hairpin	23984	11	-	62370149	62370230
TJU_CMC_MD2.ID00539.hairpin	23985	11	-	62370149	62370230
TJU_CMC_MD2.ID00540.hairpin	23986	11	+	62607492	62607551
TJU_CMC_MD2.ID00541.hairpin	23987	11	-	62610033	62610087
TJU_CMC_MD2.ID00542.hairpin	23988	11	+	63987823	63987908
TJU_CMC_MD2.ID00544.hairpin	23989	11	+	64026463	64026530
TJU_CMC_MD2.ID00545.hairpin	23990	11	-	64051735	64051788
TJU_CMC_MD2.ID00546.hairpin	23991	11	+	64073064	64073119
TJU_CMC_MD2.ID00548.hairpin	23992	11	+	64128547	64128606
TJU_CMC_MD2.ID00549.hairpin	23993	11	-	64480415	64480464
TJU_CMC_MD2.ID00550.hairpin	23994	11	-	64507281	64507353
TJU_CMC_MD2.ID00550.hairpin	23995	11	-	64507281	64507353
TJU_CMC_MD2.ID00551.hairpin	23996	11	+	64510516	64510575
TJU_CMC_MD2.ID00552.hairpin	23997	11	-	64545177	64545226

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00553.hairpin	23998	11	-	64559747	64559822
TJU_CMC_MD2.ID00554.hairpin	23999	11	-	64568504	64568561
TJU_CMC_MD2.ID00555.hairpin	24000	11	+	64612363	64612431
TJU_CMC_MD2.ID00556.hairpin	24001	11	-	64646004	64646071
TJU_CMC_MD2.ID00557.hairpin	24002	11	+	64789119	64789193
TJU_CMC_MD2.ID00558.hairpin	24003	11	-	64846371	64846428
TJU_CMC_MD2.ID00558.hairpin	24004	11	-	64846371	64846428
TJU_CMC_MD2.ID00559.hairpin	24005	11	+	65154084	65154150
TJU_CMC_MD2.ID00560.hairpin	24006	11	-	65189642	65189707
TJU_CMC_MD2.ID00561.hairpin	24007	11	-	65244966	65245028
TJU_CMC_MD2.ID00562.hairpin	24008	11	+	65309169	65309238
TJU_CMC_MD2.ID00563.hairpin	24009	11	+	65326497	65326566
TJU_CMC_MD2.ID00564.hairpin	24010	11	+	65346461	65346543
TJU_CMC_MD2.ID00565.hairpin;ID=MI0016850;Alia s=MI0016850;Name=hsa-mir-4489	24011	11	+	65416663	65416724
TJU_CMC_MD2.ID00566.hairpin	24012	11	-	65487969	65488040
TJU_CMC_MD2.ID00567.hairpin	24013	11	+	65625259	65625321
TJU_CMC_MD2.ID00568.hairpin	24014	11	+	65733941	65733998
TJU_CMC_MD2.ID00569.hairpin	24015	11	+	66025025	66025077
TJU_CMC_MD2.ID00570.hairpin	24016	11	+	66031452	66031510
TJU_CMC_MD2.ID00571.hairpin	24017	11	-	66084399	66084486
TJU_CMC_MD2.ID00572.hairpin	24018	11	-	66106692	66106758
TJU_CMC_MD2.ID00573.hairpin	24019	11	+	66392805	66392869
TJU_CMC_MD2.ID00574.hairpin	24020	11	+	66394594	66394653
TJU_CMC_MD2.ID00574.hairpin	24021	11	+	66394594	66394653
TJU_CMC_MD2.ID00575.hairpin	24022	11	+	66610428	66610503
TJU_CMC_MD2.ID00576.hairpin	24023	11	+	66701914	66701970
TJU_CMC_MD2.ID00577.hairpin	24024	11	+	67067231	67067288
TJU_CMC_MD2.ID00578.hairpin	24025	11	+	67074252	67074308
TJU_CMC_MD2.ID00579.hairpin	24026	11	+	67084969	67085024
TJU_CMC_MD2.ID00580.hairpin	24027	11	+	67085562	67085621

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00581.hairpin	24028	11	+	67140691	67140753
TJU_CMC_MD2.ID00582.hairpin	24029	11	-	67159260	67159317
TJU_CMC_MD2.ID00583.hairpin	24030	11	+	67204740	67204792
TJU_CMC_MD2.ID00584.hairpin	24031	11	+	67232606	67232658
TJU_CMC_MD2.ID00585.hairpin	24032	11	+	67272900	67272951
TJU_CMC_MD2.ID00586.hairpin	24033	11	+	67810780	67810838
TJU_CMC_MD2.ID00587.hairpin;ID=MI0014194;Alias=MI0014194;Name=hsa-mir-3164	24034	11	+	68850644	68850726
TJU_CMC_MD2.ID00588.hairpin;ID=MI0014195;Alias=MI0014195;Name=hsa-mir-3165	24035	11	-	71783274	71783348
TJU_CMC_MD2.ID00589.hairpin	24036	11	-	72409151	72409228
TJU_CMC_MD2.ID00590.hairpin	24037	11	+	72929635	72929706
TJU_CMC_MD2.ID00591.hairpin	24038	11	+	72946793	72946857
TJU_CMC_MD2.ID00591.hairpin	24039	11	+	72946793	72946857
TJU_CMC_MD2.ID00592.hairpin	24040	11	-	73074287	73074357
TJU_CMC_MD2.ID00593.hairpin	24041	11	+	73096319	73096372
TJU_CMC_MD2.ID00594.hairpin	24042	11	-	74460193	74460269
TJU_CMC_MD2.ID00595.hairpin	24043	11	-	75017685	75017748
TJU_CMC_MD2.ID00596.hairpin;ID=MI0000808;Alias=MI0000808;Name=hsa-mir-326	24044	11	-	75046136	75046230
TJU_CMC_MD2.ID00597.hairpin	24045	11	-	75048110	75048172
TJU_CMC_MD2.ID00598.hairpin	24046	11	+	75894747	75894801
TJU_CMC_MD2.ID00600.hairpin	24047	11	-	77185246	77185314
TJU_CMC_MD2.ID00601.hairpin	24048	11	+	77300960	77301013
TJU_CMC_MD2.ID00602.hairpin	24049	11	+	78128866	78128949
TJU_CMC_MD2.ID00603.hairpin	24050	11	+	79152147	79152200
TJU_CMC_MD2.ID00604.hairpin	24051	11	+	85956054	85956123
TJU_CMC_MD2.ID00605.hairpin	24052	11	+	86326675	86326734
TJU_CMC_MD2.ID00606.hairpin	24053	11	+	86511600	86511654
TJU_CMC_MD2.ID00607.hairpin	24054	11	+	91957854	91957908
TJU_CMC_MD2.ID00609.hairpin	24055	11	+	93466861	93466913

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TJU_CMC_MD2.ID00610.hairpin	24056	11	-	94800637	94800692
TJU_CMC_MD2.ID00611.hairpin	24057	11	-	94964229	94964286
TJU_CMC_MD2.ID00613.hairpin	24058	11	-	101217287	101217339
TJU_CMC_MD2.ID00614.hairpin	24059	11	-	107729456	107729521
TJU_CMC_MD2.ID00615.hairpin	24060	11	+	108369215	108369280
TJU_CMC_MD2.ID00616.hairpin	24061	11	-	109292873	109292941
TJU_CMC_MD2.ID00619.hairpin	24062	11	-	113746153	113746218
TJU_CMC_MD2.ID00620.hairpin	24063	11	-	116969046	116969108
TJU_CMC_MD2.ID00621.hairpin	24064	11	-	117392410	117392478
TJU_CMC_MD2.ID00622.hairpin	24065	11	-	117522554	117522611
TJU_CMC_MD2.ID00623.hairpin	24066	11	+	117534205	117534259
TJU_CMC_MD2.ID00623.hairpin	24067	11	+	117534205	117534259
TJU_CMC_MD2.ID00624.hairpin	24068	11	+	118501675	118501734
TJU_CMC_MD2.ID00625.hairpin	24069	11	+	118784503	118784558
TJU_CMC_MD2.ID00626.hairpin	24070	11	-	118965339	118965423
TJU_CMC_MD2.ID00627.hairpin	24071	11	-	118977744	118977800
TJU_CMC_MD2.ID00628.hairpin	24072	11	-	119039545	119039625
TJU_CMC_MD2.ID00629.hairpin	24073	11	-	120207133	120207186
TJU_CMC_MD2.ID00630.hairpin	24074	11	+	120207134	120207189
TJU_CMC_MD2.ID00631.hairpin	24075	11	+	120207279	120207356
TJU_CMC_MD2.ID00632.hairpin	24076	11	-	120388141	120388198
TJU_CMC_MD2.ID00633.hairpin	24077	11	+	121163456	121163526
TJU_CMC_MD2.ID00634.hairpin	24078	11	+	121323104	121323158
TJU_CMC_MD2.ID00635.hairpin	24079	11	-	121353179	121353233
TJU_CMC_MD2.ID00637.hairpin	24080	11	-	121563167	121563223
TJU_CMC_MD2.ID00640.hairpin	24081	11	-	122928627	122928692
TJU_CMC_MD2.ID00640.hairpin	24082	11	-	122928627	122928692
TJU_CMC_MD2.ID00642.hairpin	24083	11	+	124632284	124632339
TJU_CMC_MD2.ID00643.hairpin	24084	11	+	124669389	124669446
TJU_CMC_MD2.ID00644.hairpin	24085	11	+	124744645	124744734

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TJU_CMC_MD2.ID00645.hairpin	24086	11	+	126138710	126138768
TJU_CMC_MD2.ID00646.hairpin	24087	11	+	128611488	128611552
TJU_CMC_MD2.ID00647.hairpin	24088	11	-	130113782	130113842
TJU_CMC_MD2.ID00648.hairpin	24089	11	+	130297696	130297772
TJU_CMC_MD2.ID00649.hairpin	24090	11	-	130442143	130442198
TJU_CMC_MD2.ID00649.hairpin	24091	11	-	130442143	130442198
TJU_CMC_MD2.ID00650.hairpin	24092	11	+	130442145	130442200
TJU_CMC_MD2.ID00651.hairpin	24093	11	+	132998372	132998437
TJU_CMC_MD2.ID00651.hairpin	24094	11	+	132998372	132998437
TJU_CMC_MD2.ID00652.hairpin	24095	11	-	133012736	133012795
TJU_CMC_MD2.ID00653.hairpin	24096	11	+	133012740	133012795
TJU_CMC_MD2.ID00654.hairpin	24097	11	-	133027227	133027286
TJU_CMC_MD2.ID00655.hairpin	24098	12	-	672122	672178
TJU_CMC_MD2.ID00656.hairpin	24099	12	-	737441	737507
TJU_CMC_MD2.ID00657.hairpin	24100	12	+	737443	737509
TJU_CMC_MD2.ID00657.hairpin	24101	12	+	737443	737509
TJU_CMC_MD2.ID00658.hairpin	24102	12	+	751971	752023
TJU_CMC_MD2.ID00659.hairpin	24103	12	+	1906248	1906312
TJU_CMC_MD2.ID00660.hairpin	24104	12	+	1914342	1914402
TJU_CMC_MD2.ID00662.hairpin	24105	12	-	2786438	2786510
TJU_CMC_MD2.ID00663.hairpin	24106	12	-	3186290	3186364
TJU_CMC_MD2.ID00664.hairpin	24107	12	-	6438788	6438852
TJU_CMC_MD2.ID00665.hairpin	24108	12	+	6533113	6533183
TJU_CMC_MD2.ID00666.hairpin	24109	12	+	6749690	6749754
TJU_CMC_MD2.ID00667.hairpin	24110	12	+	6875533	6875610
TJU_CMC_MD2.ID00668.hairpin	24111	12	+	7060489	7060550
TJU_CMC_MD2.ID00669.hairpin	24112	12	+	7069184	7069247
TJU_CMC_MD2.ID00670.hairpin	24113	12	-	8781593	8781656
TJU_CMC_MD2.ID00671.hairpin	24114	12	+	8850369	8850419
TJU_CMC_MD2.ID00672.hairpin	24115	12	+	10366075	10366129
TJU_CMC_MD2.ID00672.hairpin	24116	12	+	10366075	10366129

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TJU_CMC_MD2.ID00673.hairpin	24117	12	+	11403659	11403715
TJU_CMC_MD2.ID00674.hairpin	24118	12	+	11802412	11802471
TJU_CMC_MD2.ID00675.hairpin	24119	12	+	11802792	11802850
TJU_CMC_MD2.ID00676.hairpin	24120	12	+	12019903	12019960
TJU_CMC_MD2.ID00677.hairpin	24121	12	+	12603190	12603246
TJU_CMC_MD2.ID00678.hairpin	24122	12	-	12869949	12870007
TJU_CMC_MD2.ID00680.hairpin	24123	12	+	13154129	13154182
TJU_CMC_MD2.ID00681.hairpin	24124	12	+	17407814	17407868
TJU_CMC_MD2.ID00682.hairpin	24125	12	+	19282503	19282574
TJU_CMC_MD2.ID00684.hairpin	24126	12	+	25019048	25019125
TJU_CMC_MD2.ID00686.hairpin	24127	12	+	27397203	27397257
TJU_CMC_MD2.ID00687.hairpin	24128	12	+	29935825	29935883
TJU_CMC_MD2.ID00688.hairpin	24129	12	-	31881942	31882027
TJU_CMC_MD2.ID00689.hairpin	24130	12	-	46121582	46121640
TJU_CMC_MD2.ID00690.hairpin	24131	12	+	46123156	46123220
TJU_CMC_MD2.ID00692.hairpin	24132	12	-	48151826	48151914
TJU_CMC_MD2.ID00693.hairpin	24133	12	+	48282911	48282985
TJU_CMC_MD2.ID00694.hairpin	24134	12	-	49454207	49454266
TJU_CMC_MD2.ID00695.hairpin	24135	12	+	49760851	49760915
TJU_CMC_MD2.ID00696.hairpin	24136	12	+	49951925	49951991
TJU_CMC_MD2.ID00697.hairpin	24137	12	-	50451268	50451321
TJU_CMC_MD2.ID00698.hairpin	24138	12	+	50516476	50516540
TJU_CMC_MD2.ID00699.hairpin;ID=MI0006355;Alias=MI0006355;Name=hsa-mir-1293	24139	12	-	50627925	50627995
TJU_CMC_MD2.ID00700.hairpin	24140	12	+	52430904	52430982
TJU_CMC_MD2.ID00701.hairpin	24141	12	-	52502622	52502674
TJU_CMC_MD2.ID00702.hairpin	24142	12	-	52984782	52984845
TJU_CMC_MD2.ID00703.hairpin	24143	12	+	53454400	53454459
TJU_CMC_MD2.ID00704.hairpin	24144	12	-	53774406	53774466
TJU_CMC_MD2.ID00705.hairpin	24145	12	+	56122929	56123010
TJU_CMC_MD2.ID00706.hairpin	24146	12	-	56497892	56497967

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00707.hairpin	24147	12	-	56740695	56740760
TJU_CMC_MD2.ID00708.hairpin	24148	12	+	56873861	56873921
TJU_CMC_MD2.ID00709.hairpin	24149	12	-	57499126	57499184
TJU_CMC_MD2.ID00710.hairpin	24150	12	+	57573768	57573831
TJU_CMC_MD2.ID00711.hairpin	24151	12	-	57824537	57824596
TJU_CMC_MD2.ID00712.hairpin	24152	12	-	58145524	58145584
TJU_CMC_MD2.ID00713.hairpin	24153	12	+	64217443	64217506
TJU_CMC_MD2.ID00714.hairpin	24154	12	-	65004736	65004788
TJU_CMC_MD2.ID00715.hairpin	24155	12	+	65806367	65806424
TJU_CMC_MD2.ID00717.hairpin	24156	12	+	68042506	68042584
TJU_CMC_MD2.ID00718.hairpin	24157	12	-	68894139	68894197
TJU_CMC_MD2.ID00719.hairpin	24158	12	+	69202131	69202191
TJU_CMC_MD2.ID00721.hairpin	24159	12	+	70631129	70631188
TJU_CMC_MD2.ID00722.hairpin	24160	12	+	76425256	76425338
TJU_CMC_MD2.ID00723.hairpin	24161	12	+	81226339	81226398
TJU_CMC_MD2.ID00725.hairpin;ID=MI0003632;Alia s=MI0003632;Name=hsa-mir-618	24162	12	-	81329515	81329612
TJU_CMC_MD2.ID00727.hairpin	24163	12	+	90102690	90102748
TJU_CMC_MD2.ID00728.hairpin	24164	12	+	90300300	90300358
TJU_CMC_MD2.ID00729.hairpin	24165	12	-	92539317	92539404
TJU_CMC_MD2.ID00730.hairpin	24166	12	-	93771471	93771540
TJU_CMC_MD2.ID00731.hairpin	24167	12	-	94543037	94543099
TJU_CMC_MD2.ID00732.hairpin	24168	12	+	95266869	95266924
TJU_CMC_MD2.ID00733.hairpin	24169	12	-	95342560	95342625
TJU_CMC_MD2.ID00734.hairpin;ID=MI0000812;Alia s=MI0000812;Name=hsa-mir-331	24170	12	+	95702196	95702289
TJU_CMC_MD2.ID00735.hairpin	24171	12	+	96418830	96418880
TJU_CMC_MD2.ID00736.hairpin	24172	12	+	97662479	97662564
TJU_CMC_MD2.ID00737.hairpin;ID=MI0000453;Alia s=MI0000453;Name=hsa-mir-135a-2	24173	12	+	97957590	97957689
TJU_CMC_MD2.ID00738.hairpin	24174	12	-	98909616	98909674

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TJU_CMC_MD2.ID00739.hairpin	24175	12	-	99288582	99288642	
TJU_CMC_MD2.ID00740.hairpin	24176	12	-	104458184	104458250	
TJU_CMC_MD2.ID00741.hairpin	24177	12	+	104458550	104458613	
TJU_CMC_MD2.ID00742.hairpin	24178	12	-	104985423	104985480	
TJU_CMC_MD2.ID00743.hairpin	24179	12	+	105394379	105394437	
TJU_CMC_MD2.ID00744.hairpin	24180	12	-	105478079	105478153	
TJU_CMC_MD2.ID00746.hairpin	24181	12	+	107006980	107007043	
TJU_CMC_MD2.ID00747.hairpin	24182	12	+	107036075	107036126	
TJU_CMC_MD2.ID00748.hairpin	24183	12	+	107712201	107712283	
TJU_CMC_MD2.ID00749.hairpin	24184	12	+	107779138	107779205	
TJU_CMC_MD2.ID00751.hairpin	24185	12	-	109042148	109042208	
TJU_CMC_MD2.ID00752.hairpin	24186	12	+	109592415	109592467	
TJU_CMC_MD2.ID00753.hairpin	24187	12	+	109703110	109703194	
TJU_CMC_MD2.ID00754.hairpin	24188	12	+	110788135	110788201	
TJU_CMC_MD2.ID00755.hairpin	24189	12	+	110906561	110906615	
TJU_CMC_MD2.ID00755.hairpin	24190	12	+	110906561	110906615	
TJU_CMC_MD2.ID00756.hairpin	24191	12	-	111020731	111020805	
TJU_CMC_MD2.ID00757.hairpin	24192	12	+	111779520	111779583	
TJU_CMC_MD2.ID00757.hairpin	24193	12	+	111779520	111779583	
TJU_CMC_MD2.ID00758.hairpin;ID=MI0016057;Alia s=MI0016057;Name=hsa-mir-3657	24194	12	-	112475403	112475519	
TJU_CMC_MD2.ID00759.hairpin	24195	12	+	113735033	113735082	
TJU_CMC_MD2.ID00760.hairpin	24196	12	+	113826210	113826264	
TJU_CMC_MD2.ID00761.hairpin	24197	12	-	115174370	115174431	
TJU_CMC_MD2.ID00762.hairpin	24198	12	-	116429177	116429238	
TJU_CMC_MD2.ID00764.hairpin	24199	12	-	117627985	117628047	
TJU_CMC_MD2.ID00765.hairpin	24200	12	-	120426897	120426959	
TJU_CMC_MD2.ID00766.hairpin	24201	12	-	120638839	120638911	
TJU_CMC_MD2.ID00767.hairpin	24202	12	-	120907376	120907434	
TJU_CMC_MD2.ID00768.hairpin	24203	12	+	120934148	120934205	
TJU_CMC_MD2.ID00769.hairpin	24204	12	-	120966864	120966916	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00770.hairpin	24205	12	+	121174722	121174789
TJU_CMC_MD2.ID00772.hairpin	24206	12	-	121442297	121442361
TJU_CMC_MD2.ID00772.hairpin	24207	12	-	121442297	121442361
TJU_CMC_MD2.ID00773.hairpin	24208	12	-	121706715	121706770
TJU_CMC_MD2.ID00774.hairpin	24209	12	-	122016889	122016962
TJU_CMC_MD2.ID00775.hairpin	24210	12	+	122076768	122076832
TJU_CMC_MD2.ID00776.hairpin	24211	12	+	122238849	122238909
TJU_CMC_MD2.ID00776.hairpin	24212	12	+	122238849	122238909
TJU_CMC_MD2.ID00777.hairpin	24213	12	+	122255533	122255598
TJU_CMC_MD2.ID00778.hairpin	24214	12	+	123125855	123125922
TJU_CMC_MD2.ID00779.hairpin	24215	12	+	123463234	123463300
TJU_CMC_MD2.ID00780.hairpin	24216	12	-	123470897	123470979
TJU_CMC_MD2.ID00781.hairpin	24217	12	-	123756300	123756353
TJU_CMC_MD2.ID00782.hairpin	24218	12	+	124196919	124196986
TJU_CMC_MD2.ID00783.hairpin	24219	12	-	124230945	124231013
TJU_CMC_MD2.ID00784.hairpin	24220	12	+	124496339	124496398
TJU_CMC_MD2.ID00786.hairpin	24221	12	-	125035284	125035351
TJU_CMC_MD2.ID00787.hairpin	24222	12	-	125051683	125051757
TJU_CMC_MD2.ID00788.hairpin	24223	12	-	125399126	125399191
TJU_CMC_MD2.ID00789.hairpin;ID=MI0018167;Alias=MI0018167;Name=hsa-mir-5188	24224	12	+	125400093	125400205
TJU_CMC_MD2.ID00791.hairpin	24225	12	+	128752949	128753014
TJU_CMC_MD2.ID00792.hairpin	24226	12	-	129338235	129338305
TJU_CMC_MD2.ID00793.hairpin	24227	12	-	131299459	131299515
TJU_CMC_MD2.ID00794.hairpin	24228	12	-	132313163	132313213
TJU_CMC_MD2.ID00795.hairpin	24229	12	+	132379184	132379268
TJU_CMC_MD2.ID00796.hairpin	24230	12	+	132381085	132381143
TJU_CMC_MD2.ID00797.hairpin	24231	12	+	132393392	132393442
TJU_CMC_MD2.ID00798.hairpin	24232	12	-	132906081	132906161
TJU_CMC_MD2.ID00799.hairpin	24233	12	-	133159729	133159779
TJU_CMC_MD2.ID00800.hairpin	24234	12	-	133372558	133372631

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00801.hairpin	24235	13	-	19239688	19239776
TJU_CMC_MD2.ID00802.hairpin	24236	13	+	20495859	20495923
TJU_CMC_MD2.ID00803.hairpin	24237	13	+	21476972	21477025
TJU_CMC_MD2.ID00805.hairpin	24238	13	-	24040488	24040541
TJU_CMC_MD2.ID00807.hairpin	24239	13	-	27334988	27335049
TJU_CMC_MD2.ID00808.hairpin	24240	13	-	29106657	29106720
TJU_CMC_MD2.ID00809.hairpin	24241	13	-	29293040	29293110
TJU_CMC_MD2.ID00810.hairpin	24242	13	+	30510238	30510295
TJU_CMC_MD2.ID00810.hairpin	24243	13	+	30510238	30510295
TJU_CMC_MD2.ID00811.hairpin	24244	13	+	31038804	31038855
TJU_CMC_MD2.ID00812.hairpin	24245	13	+	33182410	33182480
TJU_CMC_MD2.ID00813.hairpin	24246	13	+	33590516	33590603
TJU_CMC_MD2.ID00814.hairpin	24247	13	+	33924205	33924261
TJU_CMC_MD2.ID00816.hairpin	24248	13	-	36687607	36687664
TJU_CMC_MD2.ID00817.hairpin	24249	13	-	39611945	39612018
TJU_CMC_MD2.ID00818.hairpin	24250	13	-	41065162	41065224
TJU_CMC_MD2.ID00819.hairpin	24251	13	-	47102081	47102146
TJU_CMC_MD2.ID00821.hairpin	24252	13	+	49107051	49107105
TJU_CMC_MD2.ID00822.hairpin	24253	13	-	50698911	50698968
TJU_CMC_MD2.ID00823.hairpin	24254	13	-	50945684	50945762
TJU_CMC_MD2.ID00824.hairpin	24255	13	+	51904919	51904982
TJU_CMC_MD2.ID00825.hairpin	24256	13	+	55161773	55161830
TJU_CMC_MD2.ID00826.hairpin	24257	13	-	60971472	60971548
TJU_CMC_MD2.ID00827.hairpin	24258	13	-	64315699	64315756
TJU_CMC_MD2.ID00828.hairpin	24259	13	+	73633555	73633615
TJU_CMC_MD2.ID00829.hairpin	24260	13	-	77122964	77123033
TJU_CMC_MD2.ID00830.hairpin	24261	13	+	77566336	77566413
TJU_CMC_MD2.ID00831.hairpin	24262	13	+	77600943	77601024
TJU_CMC_MD2.ID00832.hairpin	24263	13	+	78585870	78585929

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TJU_CMC_MD2.ID00833.hairpin	24264	13	+	80583254	80583310
TJU_CMC_MD2.ID00835.hairpin	24265	13	+	81917925	81917977
TJU_CMC_MD2.ID00836.hairpin	24266	13	+	90882764	90882820
TJU_CMC_MD2.ID00837.hairpin;ID=MI0000073;Alias=MI0000073;Name=hsa-mir-19a	24267	13	+	92003145	92003226
TJU_CMC_MD2.ID00838.hairpin	24268	13	+	94416454	94416514
TJU_CMC_MD2.ID00839.hairpin	24269	13	+	95254098	95254164
TJU_CMC_MD2.ID00840.hairpin	24270	13	-	95829975	95830032
TJU_CMC_MD2.ID00840.hairpin	24271	13	-	95829975	95830032
TJU_CMC_MD2.ID00841.hairpin	24272	13	-	96564598	96564655
TJU_CMC_MD2.ID00842.hairpin;ID=MI0014201;Alias=MI0014201;Name=hsa-mir-3170	24273	13	+	98860778	98860854
TJU_CMC_MD2.ID00843.hairpin	24274	13	-	110438839	110438892
TJU_CMC_MD2.ID00844.hairpin	24275	13	+	110574225	110574306
TJU_CMC_MD2.ID00845.hairpin	24276	13	-	110889375	110889435
TJU_CMC_MD2.ID00846.hairpin	24277	13	+	110959612	110959677
TJU_CMC_MD2.ID00847.hairpin	24278	13	+	111509246	111509302
TJU_CMC_MD2.ID00848.hairpin	24279	13	-	111567245	111567323
TJU_CMC_MD2.ID00849.hairpin	24280	13	-	113548474	113548548
TJU_CMC_MD2.ID00850.hairpin	24281	13	-	113548623	113548689
TJU_CMC_MD2.ID00851.hairpin	24282	13	-	113744285	113744340
TJU_CMC_MD2.ID00852.hairpin	24283	13	-	113952002	113952059
TJU_CMC_MD2.ID00853.hairpin	24284	13	-	114144926	114144976
TJU_CMC_MD2.ID00854.hairpin	24285	13	+	114239141	114239224
TJU_CMC_MD2.ID00855.hairpin	24286	13	-	114239712	114239787
TJU_CMC_MD2.ID00856.hairpin	24287	13	-	114853060	114853124
TJU_CMC_MD2.ID00857.hairpin	24288	13	-	114897975	114898039
TJU_CMC_MD2.ID00858.hairpin	24289	14	-	20811341	20811397
TJU_CMC_MD2.ID00859.hairpin	24290	14	-	20887825	20887877
TJU_CMC_MD2.ID00860.hairpin	24291	14	+	21637619	21637676
TJU_CMC_MD2.ID00861.hairpin	24292	14	-	22387622	22387687

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TJU_CMC_MD2.ID00862.hairpin	24293	14	+	23342455	23342520
TJU_CMC_MD2.ID00863.hairpin	24294	14	-	23449989	23450048
TJU_CMC_MD2.ID00864.hairpin	24295	14	+	23790924	23791012
TJU_CMC_MD2.ID00865.hairpin	24296	14	-	23816094	23816166
TJU_CMC_MD2.ID00866.hairpin	24297	14	+	23961554	23961610
TJU_CMC_MD2.ID00867.hairpin	24298	14	-	24520790	24520839
TJU_CMC_MD2.ID00868.hairpin	24299	14	+	24616546	24616626
TJU_CMC_MD2.ID00869.hairpin	24300	14	+	24838902	24838966
TJU_CMC_MD2.ID00870.hairpin	24301	14	-	31343617	31343674
TJU_CMC_MD2.ID00871.hairpin	24302	14	-	32434764	32434823
TJU_CMC_MD2.ID00872.hairpin	24303	14	-	32545970	32546027
TJU_CMC_MD2.ID00874.hairpin	24304	14	+	34488666	34488720
TJU_CMC_MD2.ID00875.hairpin	24305	14	+	35586165	35586240
TJU_CMC_MD2.ID00877.hairpin	24306	14	+	38053189	38053281
TJU_CMC_MD2.ID00878.hairpin	24307	14	+	40092347	40092405
TJU_CMC_MD2.ID00879.hairpin	24308	14	-	50087854	50087915
TJU_CMC_MD2.ID00880.hairpin	24309	14	+	50234850	50234927
TJU_CMC_MD2.ID00881.hairpin	24310	14	+	50779038	50779092
TJU_CMC_MD2.ID00882.hairpin	24311	14	+	51921477	51921535
TJU_CMC_MD2.ID00883.hairpin	24312	14	+	54415142	54415206
TJU_CMC_MD2.ID00884.hairpin	24313	14	+	55518371	55518438
TJU_CMC_MD2.ID00885.hairpin	24314	14	-	58666794	58666860
TJU_CMC_MD2.ID00886.hairpin	24315	14	+	59217577	59217628
TJU_CMC_MD2.ID00887.hairpin	24316	14	+	60113682	60113741
TJU_CMC_MD2.ID00888.hairpin	24317	14	-	60503118	60503172
TJU_CMC_MD2.ID00889.hairpin	24318	14	+	61189457	61189520
TJU_CMC_MD2.ID00890.hairpin	24319	14	-	63296052	63296101
TJU_CMC_MD2.ID00891.hairpin	24320	14	-	64194701	64194773
TJU_CMC_MD2.ID00892.hairpin	24321	14	-	64299018	64299076

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TJU_CMC_MD2.ID00893.hairpin	24322	14	+	65007424	65007502
TJU_CMC_MD2.ID00894.hairpin	24323	14	-	65438952	65439024
TJU_CMC_MD2.ID00895.hairpin	24324	14	-	65568377	65568428
TJU_CMC_MD2.ID00896.hairpin	24325	14	+	65801842	65801898
TJU_CMC_MD2.ID00897.hairpin	24326	14	+	65937582	65937640
TJU_CMC_MD2.ID00898.hairpin	24327	14	-	65937832	65937890
TJU_CMC_MD2.ID00898.hairpin	24328	14	-	65937832	65937890
TJU_CMC_MD2.ID00899.hairpin	24329	14	-	67708484	67708537
TJU_CMC_MD2.ID00900.hairpin	24330	14	+	67999857	67999941
TJU_CMC_MD2.ID00901.hairpin	24331	14	+	69281866	69281923
TJU_CMC_MD2.ID00902.hairpin	24332	14	+	70161390	70161443
TJU_CMC_MD2.ID00903.hairpin	24333	14	+	73394796	73394852
TJU_CMC_MD2.ID00904.hairpin	24334	14	-	74181051	74181100
TJU_CMC_MD2.ID00905.hairpin	24335	14	-	74228831	74228901
TJU_CMC_MD2.ID00906.hairpin	24336	14	-	74485362	74485418
TJU_CMC_MD2.ID00907.hairpin	24337	14	+	75747900	75747960
TJU_CMC_MD2.ID00908.hairpin	24338	14	-	77279122	77279188
TJU_CMC_MD2.ID00909.hairpin	24339	14	-	77495012	77495090
TJU_CMC_MD2.ID00910.hairpin	24340	14	-	77787739	77787801
TJU_CMC_MD2.ID00911.hairpin	24341	14	+	77787744	77787800
TJU_CMC_MD2.ID00912.hairpin	24342	14	+	81686544	81686597
TJU_CMC_MD2.ID00913.hairpin	24343	14	-	81946775	81946841
TJU_CMC_MD2.ID00914.hairpin	24344	14	+	86948715	86948787
TJU_CMC_MD2.ID00915.hairpin	24345	14	-	90085491	90085540
TJU_CMC_MD2.ID00916.hairpin	24346	14	-	90979909	90979991
TJU_CMC_MD2.ID00917.hairpin	24347	14	-	91167041	91167108
TJU_CMC_MD2.ID00918.hairpin	24348	14	+	91883689	91883741
TJU_CMC_MD2.ID00919.hairpin	24349	14	+	92325358	92325418
TJU_CMC_MD2.ID00919.hairpin	24350	14	+	92325358	92325418
TJU_CMC_MD2.ID00920.hairpin	24351	14	+	93581869	93581952
TJU_CMC_MD2.ID00921.hairpin	24352	14	-	93673461	93673511

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TJU_CMC_MD2.ID00922.hairpin	24353	14	-	94236247	94236318
TJU_CMC_MD2.ID00923.hairpin	24354	14	-	94424960	94425012
TJU_CMC_MD2.ID00925.hairpin	24355	14	+	95418054	95418134
TJU_CMC_MD2.ID00926.hairpin	24356	14	-	95876046	95876101
TJU_CMC_MD2.ID00927.hairpin	24357	14	-	95996008	95996065
TJU_CMC_MD2.ID00928.hairpin	24358	14	-	96000144	96000203
TJU_CMC_MD2.ID00928.hairpin	24359	14	-	96000144	96000203
TJU_CMC_MD2.ID00929.hairpin	24360	14	-	99738361	99738414
TJU_CMC_MD2.ID00930.hairpin	24361	14	-	100196891	100196968
TJU_CMC_MD2.ID00931.hairpin	24362	14	-	100608947	100609010
TJU_CMC_MD2.ID00932.hairpin	24363	14	+	100611948	100612009
TJU_CMC_MD2.ID00933.hairpin	24364	14	-	100706655	100706729
TJU_CMC_MD2.ID00934.hairpin;ID=MI0005118;Alias=MI0005118;Name=hsa-mir-770	24365	14	+	101318727	101318824
TJU_CMC_MD2.ID00935.hairpin;ID=MI0000778;Alias=MI0000778;Name=hsa-mir-370	24366	14	+	101377476	101377550
TJU_CMC_MD2.ID00936.hairpin;ID=MI0005565;Alias=MI0005565;Name=hsa-mir-543	24367	14	+	101498324	101498401
TJU_CMC_MD2.ID00937.hairpin	24368	14	+	101506189	101506245
TJU_CMC_MD2.ID00938.hairpin;ID=MI0003530;Alias=MI0003530;Name=hsa-mir-487b	24369	14	+	101512792	101512875
TJU_CMC_MD2.ID00939.hairpin;ID=MI0003136;Alias=MI0003136;Name=hsa-mir-496	24370	14	+	101526910	101527011
TJU_CMC_MD2.ID00940.hairpin	24371	14	+	102430880	102430946
TJU_CMC_MD2.ID00941.hairpin	24372	14	+	102553691	102553763
TJU_CMC_MD2.ID00942.hairpin	24373	14	-	102881498	102881563
TJU_CMC_MD2.ID00942.hairpin	24374	14	-	102881498	102881563
TJU_CMC_MD2.ID00943.hairpin	24375	14	+	102975990	102976043
TJU_CMC_MD2.ID00944.hairpin	24376	14	+	103373629	103373687
TJU_CMC_MD2.ID00945.hairpin	24377	14	-	103432665	103432724
TJU_CMC_MD2.ID00946.hairpin	24378	14	+	103603255	103603307

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID00947.hairpin	24379	14	+	103673885	103673975
TJU_CMC_MD2.ID00948.hairpin	24380	14	-	103988337	103988388
TJU_CMC_MD2.ID00949.hairpin	24381	14	-	104000804	104000859
TJU_CMC_MD2.ID00950.hairpin	24382	14	-	104095221	104095282
TJU_CMC_MD2.ID00951.hairpin	24383	14	-	104313856	104313912
TJU_CMC_MD2.ID00952.hairpin	24384	14	+	104575412	104575467
TJU_CMC_MD2.ID00953.hairpin;ID=MI0000283;Alias=MI0000283;Name=hsa-mir-203a	24385	14	+	104583742	104583851
TJU_CMC_MD2.ID00954.hairpin	24386	14	+	105147058	105147112
TJU_CMC_MD2.ID00955.hairpin	24387	14	+	105169557	105169632
TJU_CMC_MD2.ID00956.hairpin	24388	14	+	105185557	105185636
TJU_CMC_MD2.ID00958.hairpin	24389	14	-	105266691	105266758
TJU_CMC_MD2.ID00959.hairpin	24390	14	+	105293075	105293135
TJU_CMC_MD2.ID00960.hairpin	24391	14	-	105633974	105634052
TJU_CMC_MD2.ID00961.hairpin	24392	14	-	105766975	105767041
TJU_CMC_MD2.ID00962.hairpin	24393	14	-	105780478	105780531
TJU_CMC_MD2.ID00964.hairpin	24394	14	-	106331736	106331794
TJU_CMC_MD2.ID00965.hairpin	24395	15	+	25222071	25222120
TJU_CMC_MD2.ID00966.hairpin	24396	15	+	27216459	27216522
TJU_CMC_MD2.ID00967.hairpin	24397	15	-	30114593	30114663
TJU_CMC_MD2.ID00968.hairpin	24398	15	-	31508255	31508308
TJU_CMC_MD2.ID00969.hairpin	24399	15	+	31666866	31666920
TJU_CMC_MD2.ID00970.hairpin	24400	15	+	31684169	31684245
TJU_CMC_MD2.ID00972.hairpin	24401	15	+	34630233	34630296
TJU_CMC_MD2.ID00973.hairpin	24402	15	-	36983453	36983513
TJU_CMC_MD2.ID00974.hairpin	24403	15	+	36983454	36983516
TJU_CMC_MD2.ID00975.hairpin	24404	15	+	39651584	39651664
TJU_CMC_MD2.ID00976.hairpin	24405	15	-	40226212	40226283
TJU_CMC_MD2.ID00978.hairpin	24406	15	+	40583167	40583228
TJU_CMC_MD2.ID00979.hairpin	24407	15	+	40632730	40632786

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TJU_CMC_MD2.ID00980.hairpin	24408	15	+	41099292	41099349
TJU_CMC_MD2.ID00981.hairpin	24409	15	-	41136539	41136599
TJU_CMC_MD2.ID00982.hairpin	24410	15	+	41409327	41409378
TJU_CMC_MD2.ID00983.hairpin	24411	15	-	41815294	41815355
TJU_CMC_MD2.ID00984.hairpin	24412	15	+	41861016	41861075
TJU_CMC_MD2.ID00985.hairpin	24413	15	+	42109519	42109581
TJU_CMC_MD2.ID00986.hairpin	24414	15	-	42208311	42208363
TJU_CMC_MD2.ID00987.hairpin	24415	15	-	42362757	42362822
TJU_CMC_MD2.ID00988.hairpin	24416	15	-	43024886	43024937
TJU_CMC_MD2.ID00989.hairpin	24417	15	-	43033368	43033439
TJU_CMC_MD2.ID00990.hairpin	24418	15	-	44828716	44828779
TJU_CMC_MD2.ID00991.hairpin;ID=MI0005544;Alia s=MI0005544;Name=hsa-mir-147b	24419	15	+	45725248	45725327
TJU_CMC_MD2.ID00992.hairpin	24420	15	-	48470438	48470499
TJU_CMC_MD2.ID00993.hairpin	24421	15	-	48873182	48873235
TJU_CMC_MD2.ID00994.hairpin	24422	15	-	50978991	50979052
TJU_CMC_MD2.ID00995.hairpin;ID=MI0025749;Alia s=MI0025749;Name=hsa-mir-7973-2	24423	15	-	51606229	51606304
TJU_CMC_MD2.ID00996.hairpin	24424	15	+	52121956	52122042
TJU_CMC_MD2.ID00997.hairpin	24425	15	+	52122228	52122283
TJU_CMC_MD2.ID00998.hairpin	24426	15	+	52311949	52312006
TJU_CMC_MD2.ID00999.hairpin	24427	15	-	52471840	52471896
TJU_CMC_MD2.ID01000.hairpin	24428	15	+	52569328	52569392
TJU_CMC_MD2.ID01001.hairpin	24429	15	-	56477747	56477831
TJU_CMC_MD2.ID01002.hairpin	24430	15	-	56535910	56535965
TJU_CMC_MD2.ID01003.hairpin	24431	15	-	56536002	56536072
TJU_CMC_MD2.ID01004.hairpin	24432	15	-	56657483	56657534
TJU_CMC_MD2.ID01005.hairpin	24433	15	+	57608855	57608911
TJU_CMC_MD2.ID01006.hairpin	24434	15	-	57887718	57887777
TJU_CMC_MD2.ID01007.hairpin	24435	15	+	58476200	58476262
TJU_CMC_MD2.ID01008.hairpin	24436	15	-	58904190	58904244

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01009.hairpin	24437	15	-	59730354	59730405
TJU_CMC_MD2.ID01010.hairpin	24438	15	-	63335874	63335953
TJU_CMC_MD2.ID01011.hairpin	24439	15	+	63610837	63610895
TJU_CMC_MD2.ID01012.hairpin	24440	15	-	63893055	63893127
TJU_CMC_MD2.ID01013.hairpin	24441	15	+	63893111	63893163
TJU_CMC_MD2.ID01014.hairpin	24442	15	+	64338853	64338910
TJU_CMC_MD2.ID01015.hairpin	24443	15	-	64635953	64636007
TJU_CMC_MD2.ID01016.hairpin	24444	15	+	64752845	64752910
TJU_CMC_MD2.ID01017.hairpin	24445	15	+	65477006	65477073
TJU_CMC_MD2.ID01018.hairpin	24446	15	-	65578686	65578745
TJU_CMC_MD2.ID01019.hairpin	24447	15	+	66586137	66586216
TJU_CMC_MD2.ID01020.hairpin	24448	15	-	67358332	67358406
TJU_CMC_MD2.ID01022.hairpin	24449	15	-	69075344	69075418
TJU_CMC_MD2.ID01023.hairpin	24450	15	-	69978093	69978153
TJU_CMC_MD2.ID01023.hairpin	24451	15	-	69978093	69978153
TJU_CMC_MD2.ID01024.hairpin	24452	15	-	70325994	70326058
TJU_CMC_MD2.ID01025.hairpin	24453	15	+	70371728	70371788
TJU_CMC_MD2.ID01025.hairpin	24454	15	+	70371728	70371788
TJU_CMC_MD2.ID01026.hairpin	24455	15	+	71386519	71386608
TJU_CMC_MD2.ID01027.hairpin	24456	15	-	72176278	72176332
TJU_CMC_MD2.ID01028.hairpin	24457	15	+	72530285	72530345
TJU_CMC_MD2.ID01028.hairpin	24458	15	+	72530285	72530345
TJU_CMC_MD2.ID01029.hairpin	24459	15	-	73925647	73925712
TJU_CMC_MD2.ID01030.hairpin	24460	15	-	74462405	74462461
TJU_CMC_MD2.ID01031.hairpin	24461	15	-	74492006	74492067
TJU_CMC_MD2.ID01032.hairpin	24462	15	-	74687732	74687791
TJU_CMC_MD2.ID01033.hairpin	24463	15	-	74726154	74726226
TJU_CMC_MD2.ID01034.hairpin	24464	15	+	75074367	75074419
TJU_CMC_MD2.ID01035.hairpin	24465	15	+	75091554	75091613
TJU_CMC_MD2.ID01036.hairpin	24466	15	-	75653532	75653612

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01037.hairpin	24467	15	-	75932521	75932570	
TJU_CMC_MD2.ID01039.hairpin	24468	15	+	76630332	76630400	
TJU_CMC_MD2.ID01040.hairpin	24469	15	+	77224273	77224328	
TJU_CMC_MD2.ID01041.hairpin	24470	15	-	77925093	77925167	
TJU_CMC_MD2.ID01042.hairpin	24471	15	+	78441767	78441830	
TJU_CMC_MD2.ID01043.hairpin;ID=MI0000481;Alia s=MI0000481;Name=hsa-mir-184	24472	15	+	79502130	79502213	
TJU_CMC_MD2.ID01044.hairpin	24473	15	-	80544461	80544522	
TJU_CMC_MD2.ID01045.hairpin;ID=MI0003679;Alia s=MI0003679;Name=hsa-mir-549a	24474	15	-	81134319	81134414	
TJU_CMC_MD2.ID01046.hairpin	24475	15	+	81134336	81134391	
TJU_CMC_MD2.ID01046.hairpin	24476	15	+	81134336	81134391	
TJU_CMC_MD2.ID01047.hairpin	24477	15	-	85291999	85292073	
TJU_CMC_MD2.ID01048.hairpin	24478	15	-	85777836	85777897	
TJU_CMC_MD2.ID01049.hairpin	24479	15	-	90348488	90348569	
TJU_CMC_MD2.ID01050.hairpin;ID=MI0014208;Alia s=MI0014208;Name=hsa-mir-3174	24480	15	+	90549987	90550073	
TJU_CMC_MD2.ID01051.hairpin	24481	15	+	90744559	90744612	
TJU_CMC_MD2.ID01052.hairpin	24482	15	+	90931444	90931514	
TJU_CMC_MD2.ID01053.hairpin	24483	15	+	91073128	91073200	
TJU_CMC_MD2.ID01054.hairpin	24484	15	-	91208568	91208640	
TJU_CMC_MD2.ID01055.hairpin	24485	15	+	91245471	91245520	
TJU_CMC_MD2.ID01056.hairpin	24486	15	+	91473452	91473505	
TJU_CMC_MD2.ID01057.hairpin	24487	15	+	91643436	91643485	
TJU_CMC_MD2.ID01058.hairpin	24488	15	+	93131579	93131643	
TJU_CMC_MD2.ID01059.hairpin	24489	15	-	93375113	93375172	
TJU_CMC_MD2.ID01061.hairpin	24490	15	+	94901755	94901809	
TJU_CMC_MD2.ID01062.hairpin	24491	15	+	95870210	95870263	
TJU_CMC_MD2.ID01063.hairpin	24492	15	-	96475515	96475589	
TJU_CMC_MD2.ID01064.hairpin	24493	15	+	99506054	99506124	
TJU_CMC_MD2.ID01065.hairpin	24494	15	+	100105629	100105696	

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TJU_CMC_MD2.ID01066.hairpin	24495	15	+	101460164	101460242
TJU_CMC_MD2.ID01067.hairpin	24496	15	-	102264553	102264621
TJU_CMC_MD2.ID01068.hairpin	24497	16	+	284829	284890
TJU_CMC_MD2.ID01069.hairpin	24498	16	-	325912	325965
TJU_CMC_MD2.ID01070.hairpin	24499	16	+	332560	332615
TJU_CMC_MD2.ID01071.hairpin	24500	16	+	447309	447382
TJU_CMC_MD2.ID01072.hairpin;ID=MI0014210;Alias=MI0014210;Name=hsa-mir-3176	24501	16	+	593277	593366
TJU_CMC_MD2.ID01073.hairpin	24502	16	-	606412	606469
TJU_CMC_MD2.ID01074.hairpin	24503	16	+	716144	716220
TJU_CMC_MD2.ID01075.hairpin	24504	16	-	725767	725845
TJU_CMC_MD2.ID01076.hairpin	24505	16	+	730442	730509
TJU_CMC_MD2.ID01077.hairpin	24506	16	-	735597	735663
TJU_CMC_MD2.ID01078.hairpin	24507	16	+	756045	756094
TJU_CMC_MD2.ID01079.hairpin	24508	16	+	799981	800044
TJU_CMC_MD2.ID01080.hairpin	24509	16	+	1090174	1090260
TJU_CMC_MD2.ID01081.hairpin	24510	16	+	1359602	1359682
TJU_CMC_MD2.ID01082.hairpin	24511	16	-	1360040	1360092
TJU_CMC_MD2.ID01083.hairpin	24512	16	+	1395908	1395987
TJU_CMC_MD2.ID01084.hairpin	24513	16	+	1396093	1396171
TJU_CMC_MD2.ID01085.hairpin	24514	16	-	1448615	1448682
TJU_CMC_MD2.ID01086.hairpin	24515	16	-	1505796	1505860
TJU_CMC_MD2.ID01087.hairpin	24516	16	+	1662351	1662428
TJU_CMC_MD2.ID01088.hairpin	24517	16	+	1811958	1812039
TJU_CMC_MD2.ID01089.hairpin	24518	16	+	1812622	1812676
TJU_CMC_MD2.ID01090.hairpin	24519	16	+	1814238	1814300
TJU_CMC_MD2.ID01091.hairpin	24520	16	+	2009534	2009589
TJU_CMC_MD2.ID01092.hairpin	24521	16	+	2059902	2059959
TJU_CMC_MD2.ID01093.hairpin	24522	16	+	2097981	2098055
TJU_CMC_MD2.ID01094.hairpin	24523	16	-	2140697	2140757
TJU_CMC_MD2.ID01095.hairpin	24524	16	-	2141859	2141926

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TJU_CMC_MD2.ID01096.hairpin	24525	16	-	2145807	2145867
TJU_CMC_MD2.ID01097.hairpin	24526	16	+	2228668	2228722
TJU_CMC_MD2.ID01098.hairpin	24527	16	-	2239335	2239406
TJU_CMC_MD2.ID01099.hairpin	24528	16	-	2264720	2264804
TJU_CMC_MD2.ID01100.hairpin;ID=MI0005762;Alias=MI0005762;Name=hsa-mir-940	24529	16	+	2321748	2321841
TJU_CMC_MD2.ID01101.hairpin	24530	16	+	2329224	2329291
TJU_CMC_MD2.ID01102.hairpin	24531	16	+	2577795	2577860
TJU_CMC_MD2.ID01103.hairpin	24532	16	+	2802681	2802752
TJU_CMC_MD2.ID01104.hairpin	24533	16	+	2812453	2812512
TJU_CMC_MD2.ID01104.hairpin	24534	16	+	2812453	2812512
TJU_CMC_MD2.ID01105.hairpin	24535	16	+	2816290	2816351
TJU_CMC_MD2.ID01106.hairpin	24536	16	+	2962038	2962098
TJU_CMC_MD2.ID01107.hairpin	24537	16	-	2988088	2988146
TJU_CMC_MD2.ID01108.hairpin	24538	16	+	3185207	3185262
TJU_CMC_MD2.ID01109.hairpin	24539	16	+	3222172	3222235
TJU_CMC_MD2.ID01110.hairpin	24540	16	-	3598217	3598270
TJU_CMC_MD2.ID01112.hairpin	24541	16	+	4365909	4365963
TJU_CMC_MD2.ID01113.hairpin	24542	16	-	4663939	4664009
TJU_CMC_MD2.ID01114.hairpin	24543	16	-	4812336	4812408
TJU_CMC_MD2.ID01115.hairpin	24544	16	-	4852456	4852509
TJU_CMC_MD2.ID01116.hairpin	24545	16	-	5039834	5039885
TJU_CMC_MD2.ID01117.hairpin	24546	16	-	9184489	9184546
TJU_CMC_MD2.ID01119.hairpin	24547	16	-	10710810	10710879
TJU_CMC_MD2.ID01120.hairpin	24548	16	-	11349940	11350017
TJU_CMC_MD2.ID01121.hairpin	24549	16	-	11680643	11680725
TJU_CMC_MD2.ID01122.hairpin	24550	16	+	12594560	12594632
TJU_CMC_MD2.ID01123.hairpin	24551	16	-	15149842	15149919
TJU_CMC_MD2.ID01124.hairpin	24552	16	-	15669650	15669701
TJU_CMC_MD2.ID01125.hairpin	24553	16	-	16982938	16982993
TJU_CMC_MD2.ID01126.hairpin	24554	16	-	17564381	17564450

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TJU_CMC_MD2.ID01127.hairpin	24555	16	+	19128700	19128753
TJU_CMC_MD2.ID01128.hairpin	24556	16	+	19131338	19131396
TJU_CMC_MD2.ID01129.hairpin	24557	16	-	20715944	20716021
TJU_CMC_MD2.ID01130.hairpin	24558	16	-	22327881	22327951
TJU_CMC_MD2.ID01131.hairpin	24559	16	-	24424481	24424536
TJU_CMC_MD2.ID01132.hairpin	24560	16	+	24741001	24741061
TJU_CMC_MD2.ID01133.hairpin	24561	16	+	27455450	27455508
TJU_CMC_MD2.ID01134.hairpin	24562	16	+	28834646	28834714
TJU_CMC_MD2.ID01135.hairpin	24563	16	+	28875310	28875384
TJU_CMC_MD2.ID01136.hairpin	24564	16	-	28917199	28917251
TJU_CMC_MD2.ID01137.hairpin	24565	16	+	28936604	28936677
TJU_CMC_MD2.ID01138.hairpin	24566	16	-	29606780	29606833
TJU_CMC_MD2.ID01139.hairpin	24567	16	+	29816044	29816105
TJU_CMC_MD2.ID01140.hairpin	24568	16	+	29816369	29816429
TJU_CMC_MD2.ID01141.hairpin	24569	16	+	29818330	29818418
TJU_CMC_MD2.ID01142.hairpin	24570	16	+	29821485	29821560
TJU_CMC_MD2.ID01143.hairpin	24571	16	-	29883605	29883678
TJU_CMC_MD2.ID01144.hairpin	24572	16	+	30078495	30078551
TJU_CMC_MD2.ID01145.hairpin	24573	16	-	30582937	30582998
TJU_CMC_MD2.ID01145.hairpin	24574	16	-	30582937	30582998
TJU_CMC_MD2.ID01146.hairpin	24575	16	+	30670932	30671003
TJU_CMC_MD2.ID01147.hairpin	24576	16	+	30673820	30673880
TJU_CMC_MD2.ID01148.hairpin	24577	16	+	30709929	30709988
TJU_CMC_MD2.ID01149.hairpin	24578	16	+	30783352	30783408
TJU_CMC_MD2.ID01150.hairpin	24579	16	-	30913826	30913883
TJU_CMC_MD2.ID01151.hairpin	24580	16	+	31123377	31123434
TJU_CMC_MD2.ID01152.hairpin	24581	16	+	31226784	31226847
TJU_CMC_MD2.ID01153.hairpin	24582	16	+	33293874	33293947
TJU_CMC_MD2.ID01154.hairpin	24583	16	+	33965015	33965088
TJU_CMC_MD2.ID01155.hairpin	24584	16	+	33966063	33966122
TJU_CMC_MD2.ID01156.hairpin	24585	16	+	47708272	47708329

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TJU_CMC_MD2.ID01157.hairpin	24586	16	+	48643910	48643962
TJU_CMC_MD2.ID01158.hairpin	24587	16	+	49872496	49872570
TJU_CMC_MD2.ID01159.hairpin	24588	16	-	50187299	50187368
TJU_CMC_MD2.ID01160.hairpin	24589	16	+	50332730	50332790
TJU_CMC_MD2.ID01161.hairpin	24590	16	+	50830176	50830235
TJU_CMC_MD2.ID01162.hairpin	24591	16	+	53165485	53165562
TJU_CMC_MD2.ID01163.hairpin	24592	16	-	53644725	53644779
TJU_CMC_MD2.ID01164.hairpin	24593	16	+	56225267	56225323
TJU_CMC_MD2.ID01166.hairpin	24594	16	+	57693229	57693307
TJU_CMC_MD2.ID01167.hairpin	24595	16	+	57794733	57794794
TJU_CMC_MD2.ID01167.hairpin	24596	16	+	57794733	57794794
TJU_CMC_MD2.ID01168.hairpin	24597	16	-	66730725	66730792
TJU_CMC_MD2.ID01169.hairpin	24598	16	-	67201154	67201243
TJU_CMC_MD2.ID01170.hairpin	24599	16	+	67236225	67236295
TJU_CMC_MD2.ID01171.hairpin	24600	16	+	67693907	67693979
TJU_CMC_MD2.ID01172.hairpin	24601	16	-	67700187	67700258
TJU_CMC_MD2.ID01173.hairpin	24602	16	-	67970215	67970300
TJU_CMC_MD2.ID01174.hairpin	24603	16	-	67976689	67976742
TJU_CMC_MD2.ID01175.hairpin	24604	16	-	67991716	67991789
TJU_CMC_MD2.ID01176.hairpin	24605	16	-	69419807	69419887
TJU_CMC_MD2.ID01177.hairpin;ID=MI0007259;Alias=MI0007259;Name=hsa-mir-1538	24606	16	-	69599711	69599771
TJU_CMC_MD2.ID01178.hairpin	24607	16	+	69796285	69796347
TJU_CMC_MD2.ID01180.hairpin	24608	16	-	70733733	70733789
TJU_CMC_MD2.ID01181.hairpin	24609	16	-	71323200	71323304
TJU_CMC_MD2.ID01181.hairpin	24610	16	-	71323200	71323304
TJU_CMC_MD2.ID01182.hairpin	24611	16	+	72142303	72142384
TJU_CMC_MD2.ID01183.hairpin	24612	16	-	72828140	72828193
TJU_CMC_MD2.ID01184.hairpin	24613	16	+	73091831	73091903

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TJU_CMC_MD2.ID01185.hairpin	24614	16	+	73327732	73327802
TJU_CMC_MD2.ID01186.hairpin	24615	16	-	74988455	74988526
TJU_CMC_MD2.ID01187.hairpin	24616	16	-	75498266	75498322
TJU_CMC_MD2.ID01189.hairpin	24617	16	+	78659661	78659714
TJU_CMC_MD2.ID01190.hairpin	24618	16	-	80837920	80837999
TJU_CMC_MD2.ID01191.hairpin	24619	16	+	81511738	81511796
TJU_CMC_MD2.ID01194.hairpin	24620	16	+	84004049	84004108
TJU_CMC_MD2.ID01194.hairpin	24621	16	+	84004049	84004108
TJU_CMC_MD2.ID01195.hairpin	24622	16	+	84538415	84538475
TJU_CMC_MD2.ID01196.hairpin	24623	16	-	84599929	84599984
TJU_CMC_MD2.ID01197.hairpin	24624	16	-	85496408	85496471
TJU_CMC_MD2.ID01199.hairpin	24625	16	-	87090022	87090085
TJU_CMC_MD2.ID01200.hairpin	24626	16	-	87406749	87406831
TJU_CMC_MD2.ID01201.hairpin	24627	16	+	87799662	87799716
TJU_CMC_MD2.ID01202.hairpin	24628	16	-	87874519	87874576
TJU_CMC_MD2.ID01203.hairpin	24629	16	+	87887472	87887532
TJU_CMC_MD2.ID01204.hairpin	24630	16	+	88519645	88519722
TJU_CMC_MD2.ID01205.hairpin	24631	16	+	88577726	88577798
TJU_CMC_MD2.ID01206.hairpin	24632	16	-	88600546	88600618
TJU_CMC_MD2.ID01207.hairpin	24633	16	-	88772310	88772367
TJU_CMC_MD2.ID01208.hairpin	24634	16	-	88797725	88797797
TJU_CMC_MD2.ID01208.hairpin	24635	16	-	88797725	88797797
TJU_CMC_MD2.ID01209.hairpin	24636	16	-	88798953	88799006
TJU_CMC_MD2.ID01210.hairpin	24637	16	+	88826302	88826357
TJU_CMC_MD2.ID01211.hairpin	24638	16	-	88833737	88833804
TJU_CMC_MD2.ID01212.hairpin	24639	16	+	88877956	88878038
TJU_CMC_MD2.ID01213.hairpin	24640	16	-	88943654	88943705
TJU_CMC_MD2.ID01214.hairpin	24641	16	-	88968182	88968238
TJU_CMC_MD2.ID01215.hairpin	24642	16	+	89007544	89007598
TJU_CMC_MD2.ID01216.hairpin	24643	16	-	89284005	89284058
TJU_CMC_MD2.ID01217.hairpin	24644	16	+	89588885	89588951

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TJU_CMC_MD2.ID01218.hairpin	24645	16	+	89760993	89761053
TJU_CMC_MD2.ID01219.hairpin	24646	16	-	89768025	89768082
TJU_CMC_MD2.ID01220.hairpin	24647	16	-	89785737	89785805
TJU_CMC_MD2.ID01221.hairpin	24648	16	+	89992784	89992839
TJU_CMC_MD2.ID01222.hairpin	24649	16	+	90092680	90092758
TJU_CMC_MD2.ID01223.hairpin	24650	17	-	246894	246969
TJU_CMC_MD2.ID01224.hairpin	24651	17	-	934992	935051
TJU_CMC_MD2.ID01225.hairpin	24652	17	-	942733	942798
TJU_CMC_MD2.ID01226.hairpin	24653	17	-	1200551	1200602
TJU_CMC_MD2.ID01227.hairpin	24654	17	-	1359454	1359516
TJU_CMC_MD2.ID01228.hairpin	24655	17	-	1359537	1359605
TJU_CMC_MD2.ID01229.hairpin	24656	17	+	1359790	1359848
TJU_CMC_MD2.ID01230.hairpin	24657	17	-	1374452	1374511
TJU_CMC_MD2.ID01231.hairpin	24658	17	-	1465947	1466010
TJU_CMC_MD2.ID01232.hairpin	24659	17	+	1552365	1552440
TJU_CMC_MD2.ID01233.hairpin	24660	17	+	1633610	1633672
TJU_CMC_MD2.ID01234.hairpin	24661	17	-	1733067	1733126
TJU_CMC_MD2.ID01235.hairpin	24662	17	+	1733188	1733261
TJU_CMC_MD2.ID01236.hairpin	24663	17	-	1960617	1960689
TJU_CMC_MD2.ID01237.hairpin	24664	17	-	2343523	2343586
TJU_CMC_MD2.ID01238.hairpin	24665	17	-	2614921	2614975
TJU_CMC_MD2.ID01240.hairpin	24666	17	-	4046234	4046291
TJU_CMC_MD2.ID01241.hairpin	24667	17	-	4269910	4269986
TJU_CMC_MD2.ID01242.hairpin	24668	17	+	4447817	4447888
TJU_CMC_MD2.ID01243.hairpin	24669	17	+	4799886	4799947
TJU_CMC_MD2.ID01244.hairpin	24670	17	-	4802402	4802462
TJU_CMC_MD2.ID01245.hairpin	24671	17	-	4862938	4863014
TJU_CMC_MD2.ID01246.hairpin	24672	17	-	4886187	4886250
TJU_CMC_MD2.ID01247.hairpin	24673	17	-	5404101	5404174
TJU_CMC_MD2.ID01248.hairpin	24674	17	+	5973735	5973807
TJU_CMC_MD2.ID01249.hairpin	24675	17	+	6916013	6916070

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TJU_CMC_MD2.ID01251.hairpin	24676	17	-	7297695	7297755
TJU_CMC_MD2.ID01252.hairpin	24677	17	-	7738773	7738834
TJU_CMC_MD2.ID01253.hairpin	24678	17	+	7738991	7739070
TJU_CMC_MD2.ID01254.hairpin	24679	17	+	7746127	7746209
TJU_CMC_MD2.ID01255.hairpin	24680	17	-	8042715	8042769
TJU_CMC_MD2.ID01256.hairpin	24681	17	+	8170472	8170543
TJU_CMC_MD2.ID01257.hairpin	24682	17	+	8644993	8645047
TJU_CMC_MD2.ID01258.hairpin	24683	17	-	8725974	8726039
TJU_CMC_MD2.ID01259.hairpin	24684	17	-	10031364	10031424
TJU_CMC_MD2.ID01260.hairpin	24685	17	+	13709778	13709848
TJU_CMC_MD2.ID01261.hairpin	24686	17	-	15645090	15645162
TJU_CMC_MD2.ID01262.hairpin	24687	17	+	15903229	15903298
TJU_CMC_MD2.ID01263.hairpin	24688	17	+	16144087	16144169
TJU_CMC_MD2.ID01264.hairpin	24689	17	-	17109651	17109717
TJU_CMC_MD2.ID01265.hairpin	24690	17	-	17140424	17140482
TJU_CMC_MD2.ID01266.hairpin	24691	17	+	17410579	17410657
TJU_CMC_MD2.ID01267.hairpin	24692	17	+	17598216	17598275
TJU_CMC_MD2.ID01268.hairpin	24693	17	+	17717171	17717234
TJU_CMC_MD2.ID01269.hairpin	24694	17	-	17721622	17721680
TJU_CMC_MD2.ID01270.hairpin	24695	17	+	17739746	17739806
TJU_CMC_MD2.ID01271.hairpin	24696	17	-	18086360	18086418
TJU_CMC_MD2.ID01272.hairpin	24697	17	-	18149386	18149442
TJU_CMC_MD2.ID01273.hairpin	24698	17	+	20166503	20166562
TJU_CMC_MD2.ID01273.hairpin	24699	17	+	20166503	20166562
TJU_CMC_MD2.ID01274.hairpin	24700	17	-	20945937	20946000
TJU_CMC_MD2.ID01275.hairpin	24701	17	+	20946126	20946177
TJU_CMC_MD2.ID01276.hairpin	24702	17	-	21145498	21145570
TJU_CMC_MD2.ID01277.hairpin	24703	17	+	21224421	21224479
TJU_CMC_MD2.ID01278.hairpin	24704	17	+	27071065	27071122
TJU_CMC_MD2.ID01278.hairpin	24705	17	+	27071065	27071122
TJU_CMC_MD2.ID01279.hairpin	24706	17	+	27074788	27074858

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01280.hairpin	24707	17	-	27422077	27422131	
TJU_CMC_MD2.ID01281.hairpin	24708	17	+	27467367	27467423	
TJU_CMC_MD2.ID01282.hairpin	24709	17	+	27895743	27895805	
TJU_CMC_MD2.ID01284.hairpin	24710	17	-	28088314	28088366	
TJU_CMC_MD2.ID01285.hairpin	24711	17	-	29151698	29151750	
TJU_CMC_MD2.ID01286.hairpin	24712	17	+	29421379	29421432	
TJU_CMC_MD2.ID01287.hairpin	24713	17	+	30884892	30884969	
TJU_CMC_MD2.ID01288.hairpin	24714	17	-	32835601	32835659	
TJU_CMC_MD2.ID01289.hairpin	24715	17	-	33288409	33288465	
TJU_CMC_MD2.ID01290.hairpin	24716	17	-	33416250	33416311	
TJU_CMC_MD2.ID01291.hairpin	24717	17	+	35716356	35716426	
TJU_CMC_MD2.ID01292.hairpin	24718	17	+	35766999	35767058	
TJU_CMC_MD2.ID01293.hairpin	24719	17	+	35767187	35767276	
TJU_CMC_MD2.ID01294.hairpin	24720	17	-	35849810	35849885	
TJU_CMC_MD2.ID01295.hairpin	24721	17	+	36621823	36621904	
TJU_CMC_MD2.ID01297.hairpin	24722	17	+	36743251	36743310	
TJU_CMC_MD2.ID01298.hairpin	24723	17	-	36760796	36760873	
TJU_CMC_MD2.ID01299.hairpin	24724	17	+	36886637	36886695	
TJU_CMC_MD2.ID01302.hairpin	24725	17	+	37049553	37049622	
TJU_CMC_MD2.ID01303.hairpin	24726	17	+	37557380	37557433	
TJU_CMC_MD2.ID01304.hairpin	24727	17	+	37558715	37558791	
TJU_CMC_MD2.ID01305.hairpin	24728	17	+	37832084	37832141	
TJU_CMC_MD2.ID01306.hairpin	24729	17	+	37872688	37872765	
TJU_CMC_MD2.ID01307.hairpin	24730	17	-	37910505	37910564	
TJU_CMC_MD2.ID01308.hairpin	24731	17	+	37910847	37910896	
TJU_CMC_MD2.ID01309.hairpin	24732	17	+	38242905	38242960	
TJU_CMC_MD2.ID01310.hairpin	24733	17	-	38278621	38278682	
TJU_CMC_MD2.ID01310.hairpin	24734	17	-	38278621	38278682	
TJU_CMC_MD2.ID01311.hairpin	24735	17	-	38278944	38278994	
TJU_CMC_MD2.ID01312.hairpin	24736	17	+	38508521	38508582	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01313.hairpin	24737	17	-	39890861	39890948
TJU_CMC_MD2.ID01314.hairpin	24738	17	-	40224419	40224508
TJU_CMC_MD2.ID01315.hairpin	24739	17	+	40610804	40610871
TJU_CMC_MD2.ID01316.hairpin	24740	17	-	40821958	40822037
TJU_CMC_MD2.ID01318.hairpin	24741	17	+	42200809	42200869
TJU_CMC_MD2.ID01319.hairpin	24742	17	+	42276848	42276927
TJU_CMC_MD2.ID01320.hairpin	24743	17	-	42284741	42284803
TJU_CMC_MD2.ID01321.hairpin	24744	17	+	42296034	42296113
TJU_CMC_MD2.ID01322.hairpin	24745	17	+	42296523	42296580
TJU_CMC_MD2.ID01322.hairpin	24746	17	+	42296523	42296580
TJU_CMC_MD2.ID01323.hairpin	24747	17	-	42297103	42297167
TJU_CMC_MD2.ID01324.hairpin	24748	17	+	42297277	42297340
TJU_CMC_MD2.ID01327.hairpin	24749	17	-	42344333	42344383
TJU_CMC_MD2.ID01328.hairpin	24750	17	+	42430068	42430117
TJU_CMC_MD2.ID01329.hairpin	24751	17	-	42464299	42464370
TJU_CMC_MD2.ID01330.hairpin	24752	17	+	42849708	42849765
TJU_CMC_MD2.ID01331.hairpin	24753	17	+	42907003	42907056
TJU_CMC_MD2.ID01332.hairpin	24754	17	-	42961486	42961555
TJU_CMC_MD2.ID01333.hairpin	24755	17	-	43004453	43004514
TJU_CMC_MD2.ID01334.hairpin	24756	17	+	43245530	43245590
TJU_CMC_MD2.ID01334.hairpin	24757	17	+	43245530	43245590
TJU_CMC_MD2.ID01335.hairpin	24758	17	+	43249486	43249551
TJU_CMC_MD2.ID01336.hairpin	24759	17	+	43299473	43299544
TJU_CMC_MD2.ID01337.hairpin	24760	17	+	43394710	43394770
TJU_CMC_MD2.ID01338.hairpin	24761	17	+	43662639	43662699
TJU_CMC_MD2.ID01339.hairpin	24762	17	-	44270827	44270901
TJU_CMC_MD2.ID01340.hairpin	24763	17	-	45050390	45050455
TJU_CMC_MD2.ID01341.hairpin	24764	17	-	45266403	45266466
TJU_CMC_MD2.ID01342.hairpin	24765	17	-	45331121	45331184

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TJU_CMC_MD2.ID01343.hairpin	24766	17	+	45376355	45376416
TJU_CMC_MD2.ID01344.hairpin	24767	17	+	45727665	45727752
TJU_CMC_MD2.ID01345.hairpin	24768	17	+	45728149	45728209
TJU_CMC_MD2.ID01346.hairpin	24769	17	-	45928462	45928530
TJU_CMC_MD2.ID01347.hairpin	24770	17	-	46048110	46048170
TJU_CMC_MD2.ID01350.hairpin;ID=MI0000238;Alias=MI0000238;Name=hsa-mir-196a-1	24771	17	-	46709852	46709921
TJU_CMC_MD2.ID01351.hairpin	24772	17	-	46719966	46720028
TJU_CMC_MD2.ID01351.hairpin	24773	17	-	46719966	46720028
TJU_CMC_MD2.ID01352.hairpin	24774	17	+	46806468	46806526
TJU_CMC_MD2.ID01353.hairpin	24775	17	+	46986024	46986080
TJU_CMC_MD2.ID01354.hairpin	24776	17	-	48219562	48219622
TJU_CMC_MD2.ID01355.hairpin	24777	17	+	48423418	48423487
TJU_CMC_MD2.ID01356.hairpin	24778	17	-	48474846	48474917
TJU_CMC_MD2.ID01357.hairpin	24779	17	-	48943070	48943119
TJU_CMC_MD2.ID01358.hairpin	24780	17	-	48943645	48943715
TJU_CMC_MD2.ID01359.hairpin	24781	17	-	48996545	48996613
TJU_CMC_MD2.ID01360.hairpin	24782	17	+	53586202	53586270
TJU_CMC_MD2.ID01361.hairpin	24783	17	+	54911455	54911520
TJU_CMC_MD2.ID01362.hairpin	24784	17	-	54968030	54968094
TJU_CMC_MD2.ID01363.hairpin	24785	17	+	56065784	56065845
TJU_CMC_MD2.ID01364.hairpin	24786	17	-	56116643	56116697
TJU_CMC_MD2.ID01366.hairpin	24787	17	+	57409027	57409119
TJU_CMC_MD2.ID01367.hairpin	24788	17	+	57409418	57409489
TJU_CMC_MD2.ID01368.hairpin;ID=MI0017366;Alias=MI0017366;Name=hsa-mir-4729	24789	17	+	57443444	57443515
TJU_CMC_MD2.ID01369.hairpin	24790	17	+	57754489	57754539
TJU_CMC_MD2.ID01370.hairpin	24791	17	+	58469873	58469940
TJU_CMC_MD2.ID01371.hairpin	24792	17	+	61043596	61043694

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TJU_CMC_MD2.ID01371.hairpin	24793	17	+	61043596	61043694
TJU_CMC_MD2.ID01373.hairpin	24794	17	+	61777009	61777067
TJU_CMC_MD2.ID01374.hairpin	24795	17	-	61777439	61777523
TJU_CMC_MD2.ID01375.hairpin	24796	17	-	62007751	62007811
TJU_CMC_MD2.ID01376.hairpin	24797	17	+	62223339	62223411
TJU_CMC_MD2.ID01378.hairpin	24798	17	+	66016234	66016291
TJU_CMC_MD2.ID01379.hairpin	24799	17	-	66243764	66243825
TJU_CMC_MD2.ID01381.hairpin	24800	17	-	66440862	66440923
TJU_CMC_MD2.ID01382.hairpin	24801	17	-	66453755	66453814
TJU_CMC_MD2.ID01384.hairpin	24802	17	-	70414158	70414212
TJU_CMC_MD2.ID01385.hairpin	24803	17	-	71640938	71640988
TJU_CMC_MD2.ID01386.hairpin	24804	17	+	72450393	72450480
TJU_CMC_MD2.ID01387.hairpin	24805	17	-	72519044	72519105
TJU_CMC_MD2.ID01388.hairpin	24806	17	-	72726775	72726831
TJU_CMC_MD2.ID01389.hairpin;ID=MI0016005;Alias=MI0016005;Name=hsa-mir-3615	24807	17	+	72744752	72744838
TJU_CMC_MD2.ID01390.hairpin	24808	17	-	72869057	72869123
TJU_CMC_MD2.ID01391.hairpin	24809	17	-	73042957	73043015
TJU_CMC_MD2.ID01392.hairpin	24810	17	+	73084295	73084354
TJU_CMC_MD2.ID01393.hairpin	24811	17	+	73257946	73258012
TJU_CMC_MD2.ID01394.hairpin	24812	17	-	73402150	73402241
TJU_CMC_MD2.ID01395.hairpin	24813	17	+	73492307	73492363
TJU_CMC_MD2.ID01396.hairpin	24814	17	+	73513026	73513090
TJU_CMC_MD2.ID01397.hairpin	24815	17	+	73549085	73549151
TJU_CMC_MD2.ID01398.hairpin	24816	17	-	73586082	73586148
TJU_CMC_MD2.ID01399.hairpin	24817	17	+	73616260	73616324
TJU_CMC_MD2.ID01400.hairpin	24818	17	-	73900950	73900999
TJU_CMC_MD2.ID01401.hairpin	24819	17	+	73901268	73901338
TJU_CMC_MD2.ID01402.hairpin	24820	17	-	74137297	74137350

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TJU_CMC_MD2.ID01403.hairpin	24821	17	+	74261469	74261539	
TJU_CMC_MD2.ID01404.hairpin	24822	17	+	74479169	74479233	
TJU_CMC_MD2.ID01405.hairpin	24823	17	-	74683700	74683775	
TJU_CMC_MD2.ID01406.hairpin	24824	17	+	75456490	75456539	
TJU_CMC_MD2.ID01407.hairpin	24825	17	+	75463547	75463602	
TJU_CMC_MD2.ID01409.hairpin	24826	17	+	75730932	75730985	
TJU_CMC_MD2.ID01410.hairpin	24827	17	-	76050675	76050746	
TJU_CMC_MD2.ID01411.hairpin	24828	17	-	76113427	76113493	
TJU_CMC_MD2.ID01412.hairpin	24829	17	-	76120580	76120634	
TJU_CMC_MD2.ID01413.hairpin	24830	17	-	76124104	76124174	
TJU_CMC_MD2.ID01414.hairpin	24831	17	+	76127914	76127963	
TJU_CMC_MD2.ID01415.hairpin	24832	17	+	76136835	76136897	
TJU_CMC_MD2.ID01415.hairpin	24833	17	+	76136835	76136897	
TJU_CMC_MD2.ID01416.hairpin	24834	17	-	76356139	76356209	
TJU_CMC_MD2.ID01417.hairpin	24835	17	+	76553888	76553964	
TJU_CMC_MD2.ID01418.hairpin	24836	17	+	76777635	76777703	
TJU_CMC_MD2.ID01419.hairpin	24837	17	-	76793853	76793912	
TJU_CMC_MD2.ID01420.hairpin	24838	17	+	76926563	76926619	
TJU_CMC_MD2.ID01421.hairpin	24839	17	-	77005809	77005868	
TJU_CMC_MD2.ID01422.hairpin;ID=MI0017377;Alia s=MI0017377;Name=hsa-mir-4739	24840	17	-	77680985	77681058	
TJU_CMC_MD2.ID01423.hairpin	24841	17	-	77812603	77812693	
TJU_CMC_MD2.ID01424.hairpin	24842	17	-	77813006	77813098	
TJU_CMC_MD2.ID01425.hairpin	24843	17	+	78234695	78234760	
TJU_CMC_MD2.ID01426.hairpin	24844	17	+	78280193	78280257	
TJU_CMC_MD2.ID01427.hairpin	24845	17	+	78428699	78428754	
TJU_CMC_MD2.ID01428.hairpin	24846	17	-	78450320	78450380	
TJU_CMC_MD2.ID01429.hairpin	24847	17	+	78967600	78967654	
TJU_CMC_MD2.ID01430.hairpin	24848	17	-	79008314	79008375	

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TJU_CMC_MD2.ID01431.hairpin	24849	17	+	79095578	79095638
TJU_CMC_MD2.ID01432.hairpin	24850	17	+	79102828	79102885
TJU_CMC_MD2.ID01433.hairpin	24851	17	-	79268986	79269063
TJU_CMC_MD2.ID01434.hairpin	24852	17	+	79479608	79479682
TJU_CMC_MD2.ID01435.hairpin	24853	17	-	79505944	79506007
TJU_CMC_MD2.ID01436.hairpin	24854	17	-	79780673	79780734
TJU_CMC_MD2.ID01436.hairpin	24855	17	-	79780673	79780734
TJU_CMC_MD2.ID01437.hairpin	24856	17	+	79791253	79791311
TJU_CMC_MD2.ID01439.hairpin	24857	17	-	79859838	79859901
TJU_CMC_MD2.ID01440.hairpin	24858	17	+	79919291	79919368
TJU_CMC_MD2.ID01441.hairpin	24859	17	-	79935300	79935349
TJU_CMC_MD2.ID01442.hairpin	24860	17	-	79987491	79987558
TJU_CMC_MD2.ID01443.hairpin	24861	17	-	79994203	79994259
TJU_CMC_MD2.ID01444.hairpin	24862	17	-	80048263	80048315
TJU_CMC_MD2.ID01445.hairpin	24863	17	-	80056229	80056310
TJU_CMC_MD2.ID01447.hairpin	24864	17	+	80170750	80170826
TJU_CMC_MD2.ID01448.hairpin	24865	17	-	80201646	80201714
TJU_CMC_MD2.ID01449.hairpin	24866	17	-	80279404	80279465
TJU_CMC_MD2.ID01450.hairpin	24867	17	-	80290363	80290421
TJU_CMC_MD2.ID01451.hairpin	24868	17	+	80349569	80349642
TJU_CMC_MD2.ID01452.hairpin	24869	17	+	80477561	80477613
TJU_CMC_MD2.ID01453.hairpin	24870	17	+	80477757	80477829
TJU_CMC_MD2.ID01454.hairpin;ID=MI0016892;Alias=MI0016892;Name=hsa-mir-4525	24871	17	-	80626109	80626183
TJU_CMC_MD2.ID01455.hairpin	24872	17	-	80656476	80656537
TJU_CMC_MD2.ID01456.hairpin	24873	17	+	80788360	80788416
TJU_CMC_MD2.ID01457.hairpin	24874	17	+	80795926	80795991
TJU_CMC_MD2.ID01458.hairpin	24875	17	-	81037698	81037775
TJU_CMC_MD2.ID01459.hairpin	24876	17	-	81039090	81039160
TJU_CMC_MD2.ID01460.hairpin	24877	17	+	81057739	81057801
TJU_CMC_MD2.ID01461.hairpin	24878	17	-	81146705	81146779

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TJU_CMC_MD2.ID01462.hairpin	24879	18	-	812155	812216
TJU_CMC_MD2.ID01464.hairpin	24880	18	+	2655734	2655791
TJU_CMC_MD2.ID01465.hairpin	24881	18	+	3448410	3448496
TJU_CMC_MD2.ID01466.hairpin;ID=MI0022553;Alia s=MI0022553;Name=hsa-mir-6718	24882	18	+	3885353	3885432
TJU_CMC_MD2.ID01467.hairpin	24883	18	-	3885361	3885422
TJU_CMC_MD2.ID01468.hairpin	24884	18	+	5238043	5238118
TJU_CMC_MD2.ID01469.hairpin	24885	18	-	5295448	5295507
TJU_CMC_MD2.ID01470.hairpin	24886	18	+	5295525	5295585
TJU_CMC_MD2.ID01471.hairpin	24887	18	-	5296480	5296560
TJU_CMC_MD2.ID01472.hairpin	24888	18	-	5895650	5895712
TJU_CMC_MD2.ID01473.hairpin	24889	18	+	8705283	8705355
TJU_CMC_MD2.ID01474.hairpin	24890	18	-	8948009	8948088
TJU_CMC_MD2.ID01476.hairpin	24891	18	+	9614626	9614682
TJU_CMC_MD2.ID01477.hairpin	24892	18	+	10526195	10526266
TJU_CMC_MD2.ID01478.hairpin	24893	18	+	12408060	12408114
TJU_CMC_MD2.ID01479.hairpin	24894	18	-	12884176	12884228
TJU_CMC_MD2.ID01480.hairpin;ID=MI0016893;Alia s=MI0016893;Name=hsa-mir-4526	24895	18	+	13611113	13611199
TJU_CMC_MD2.ID01481.hairpin	24896	18	+	13726949	13727009
TJU_CMC_MD2.ID01482.hairpin	24897	18	+	18692017	18692089
TJU_CMC_MD2.ID01483.hairpin;ID=MI0000437;Alia s=MI0000437;Name=hsa-mir-1-2	24898	18	-	19408965	19409049
TJU_CMC_MD2.ID01484.hairpin	24899	18	+	29600507	29600568
TJU_CMC_MD2.ID01485.hairpin	24900	18	-	32835171	32835236
TJU_CMC_MD2.ID01486.hairpin	24901	18	-	33161001	33161059
TJU_CMC_MD2.ID01487.hairpin	24902	18	+	35147161	35147220
TJU_CMC_MD2.ID01488.hairpin	24903	18	+	42647698	42647755
TJU_CMC_MD2.ID01489.hairpin	24904	18	+	43386098	43386154
TJU_CMC_MD2.ID01491.hairpin	24905	18	-	45456879	45456943
TJU_CMC_MD2.ID01492.hairpin	24906	18	+	45457436	45457497

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TJU_CMC_MD2.ID01493.hairpin	24907	18	+	45457665	45457748
TJU_CMC_MD2.ID01494.hairpin	24908	18	-	46478677	46478737
TJU_CMC_MD2.ID01495.hairpin	24909	18	-	47721532	47721612
TJU_CMC_MD2.ID01497.hairpin	24910	18	+	48494438	48494525
TJU_CMC_MD2.ID01498.hairpin	24911	18	-	53146454	53146520
TJU_CMC_MD2.ID01500.hairpin	24912	18	-	57567050	57567099
TJU_CMC_MD2.ID01501.hairpin	24913	18	+	60758539	60758607
TJU_CMC_MD2.ID01502.hairpin	24914	18	+	61151587	61151643
TJU_CMC_MD2.ID01503.hairpin	24915	18	+	67067943	67068002
TJU_CMC_MD2.ID01505.hairpin	24916	18	+	71816193	71816251
TJU_CMC_MD2.ID01505.hairpin	24917	18	+	71816193	71816251
TJU_CMC_MD2.ID01507.hairpin	24918	18	+	73759077	73759129
TJU_CMC_MD2.ID01508.hairpin	24919	18	-	74534645	74534724
TJU_CMC_MD2.ID01509.hairpin	24920	18	-	77711647	77711717
TJU_CMC_MD2.ID01510.hairpin	24921	19	-	308925	308977
TJU_CMC_MD2.ID01511.hairpin	24922	19	-	327022	327073
TJU_CMC_MD2.ID01512.hairpin	24923	19	-	488960	489021
TJU_CMC_MD2.ID01513.hairpin	24924	19	+	531802	531874
TJU_CMC_MD2.ID01514.hairpin	24925	19	+	572549	572619
TJU_CMC_MD2.ID01515.hairpin	24926	19	+	582426	582514
TJU_CMC_MD2.ID01516.hairpin	24927	19	-	617874	617939
TJU_CMC_MD2.ID01517.hairpin	24928	19	-	620487	620543
TJU_CMC_MD2.ID01518.hairpin	24929	19	-	652296	652365
TJU_CMC_MD2.ID01519.hairpin	24930	19	-	663216	663288
TJU_CMC_MD2.ID01520.hairpin	24931	19	+	708741	708803
TJU_CMC_MD2.ID01521.hairpin	24932	19	-	757918	757976
TJU_CMC_MD2.ID01522.hairpin	24933	19	+	798276	798336
TJU_CMC_MD2.ID01523.hairpin	24934	19	+	811057	811116
TJU_CMC_MD2.ID01524.hairpin	24935	19	+	855899	855953
TJU_CMC_MD2.ID01525.hairpin	24936	19	-	900146	900222

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01526.hairpin	24937	19	-	1011662	1011727
TJU_CMC_MD2.ID01527.hairpin	24938	19	+	1074734	1074799
TJU_CMC_MD2.ID01528.hairpin	24939	19	+	1081762	1081823
TJU_CMC_MD2.ID01529.hairpin	24940	19	+	1104084	1104134
TJU_CMC_MD2.ID01530.hairpin	24941	19	+	1105418	1105474
TJU_CMC_MD2.ID01531.hairpin	24942	19	+	1211449	1211518
TJU_CMC_MD2.ID01532.hairpin	24943	19	-	1252647	1252709
TJU_CMC_MD2.ID01533.hairpin	24944	19	-	1253226	1253292
TJU_CMC_MD2.ID01535.hairpin	24945	19	+	1269749	1269806
TJU_CMC_MD2.ID01536.hairpin	24946	19	+	1275960	1276040
TJU_CMC_MD2.ID01537.hairpin	24947	19	+	1296044	1296100
TJU_CMC_MD2.ID01538.hairpin	24948	19	+	1326542	1326591
TJU_CMC_MD2.ID01539.hairpin	24949	19	+	1412123	1412191
TJU_CMC_MD2.ID01540.hairpin	24950	19	-	1466266	1466326
TJU_CMC_MD2.ID01541.hairpin	24951	19	-	1592278	1592335
TJU_CMC_MD2.ID01542.hairpin	24952	19	+	1592441	1592522
TJU_CMC_MD2.ID01543.hairpin	24953	19	-	1621973	1622037
TJU_CMC_MD2.ID01544.hairpin	24954	19	+	1725390	1725464
TJU_CMC_MD2.ID01545.hairpin	24955	19	-	1760030	1760087
TJU_CMC_MD2.ID01546.hairpin	24956	19	+	1912472	1912535
TJU_CMC_MD2.ID01547.hairpin	24957	19	+	1978530	1978601
TJU_CMC_MD2.ID01548.hairpin	24958	19	-	2051150	2051224
TJU_CMC_MD2.ID01549.hairpin	24959	19	+	2051472	2051542
TJU_CMC_MD2.ID01550.hairpin	24960	19	-	2130757	2130819
TJU_CMC_MD2.ID01551.hairpin	24961	19	+	2190937	2191023
TJU_CMC_MD2.ID01552.hairpin	24962	19	+	2237025	2237100
TJU_CMC_MD2.ID01553.hairpin	24963	19	+	2246807	2246881
TJU_CMC_MD2.ID01554.hairpin	24964	19	+	2269799	2269856
TJU_CMC_MD2.ID01555.hairpin	24965	19	-	2428524	2428596
TJU_CMC_MD2.ID01557.hairpin	24966	19	-	2762640	2762692
TJU_CMC_MD2.ID01558.hairpin	24967	19	-	2783217	2783274

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01559.hairpin	24968	19	+	2841530	2841584
TJU_CMC_MD2.ID01560.hairpin	24969	19	-	2841677	2841728
TJU_CMC_MD2.ID01561.hairpin	24970	19	+	3097828	3097885
TJU_CMC_MD2.ID01562.hairpin	24971	19	+	3101573	3101647
TJU_CMC_MD2.ID01563.hairpin	24972	19	+	3193400	3193462
TJU_CMC_MD2.ID01564.hairpin	24973	19	+	3201463	3201521
TJU_CMC_MD2.ID01565.hairpin	24974	19	+	3463987	3464046
TJU_CMC_MD2.ID01566.hairpin	24975	19	-	3613584	3613638
TJU_CMC_MD2.ID01567.hairpin	24976	19	+	3758541	3758613
TJU_CMC_MD2.ID01568.hairpin	24977	19	-	3964371	3964429
TJU_CMC_MD2.ID01569.hairpin	24978	19	+	4038228	4038300
TJU_CMC_MD2.ID01570.hairpin	24979	19	-	4048242	4048304
TJU_CMC_MD2.ID01571.hairpin	24980	19	-	4065842	4065898
TJU_CMC_MD2.ID01572.hairpin	24981	19	-	4066048	4066102
TJU_CMC_MD2.ID01573.hairpin	24982	19	-	4084250	4084302
TJU_CMC_MD2.ID01574.hairpin	24983	19	+	4123884	4123960
TJU_CMC_MD2.ID01575.hairpin	24984	19	+	4215924	4215976
TJU_CMC_MD2.ID01576.hairpin	24985	19	+	4352815	4352892
TJU_CMC_MD2.ID01577.hairpin;ID=MI0000265;Alias=MI0000265;Name=hsa-mir-7-3	24986	19	+	4770682	4770791
TJU_CMC_MD2.ID01578.hairpin	24987	19	-	5128369	5128449
TJU_CMC_MD2.ID01579.hairpin	24988	19	-	5293198	5293254
TJU_CMC_MD2.ID01580.hairpin	24989	19	-	5696770	5696837
TJU_CMC_MD2.ID01582.hairpin	24990	19	+	6210801	6210874
TJU_CMC_MD2.ID01583.hairpin	24991	19	+	6372940	6372998
TJU_CMC_MD2.ID01584.hairpin	24992	19	+	6729173	6729233
TJU_CMC_MD2.ID01585.hairpin	24993	19	-	6732166	6732235
TJU_CMC_MD2.ID01586.hairpin	24994	19	+	7506733	7506798
TJU_CMC_MD2.ID01587.hairpin	24995	19	+	7533655	7533711
TJU_CMC_MD2.ID01587.hairpin	24996	19	+	7533655	7533711
TJU_CMC_MD2.ID01588.hairpin	24997	19	+	7591569	7591647

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01589.hairpin	24998	19	+	7604955	7605030
TJU_CMC_MD2.ID01590.hairpin	24999	19	+	7705722	7705786
TJU_CMC_MD2.ID01591.hairpin	25000	19	+	7706524	7706590
TJU_CMC_MD2.ID01592.hairpin	25001	19	+	7975084	7975145
TJU_CMC_MD2.ID01593.hairpin	25002	19	-	8429221	8429291
TJU_CMC_MD2.ID01594.hairpin	25003	19	+	8455246	8455298
TJU_CMC_MD2.ID01595.hairpin	25004	19	-	8591449	8591514
TJU_CMC_MD2.ID01596.hairpin	25005	19	+	9435051	9435111
TJU_CMC_MD2.ID01597.hairpin	25006	19	+	9945999	9946066
TJU_CMC_MD2.ID01598.hairpin	25007	19	-	10206780	10206832
TJU_CMC_MD2.ID01599.hairpin	25008	19	-	10341994	10342048
TJU_CMC_MD2.ID01600.hairpin	25009	19	-	10428448	10428533
TJU_CMC_MD2.ID01601.hairpin	25010	19	+	10541514	10541563
TJU_CMC_MD2.ID01602.hairpin	25011	19	-	10713171	10713234
TJU_CMC_MD2.ID01603.hairpin	25012	19	+	10713531	10713584
TJU_CMC_MD2.ID01604.hairpin	25013	19	-	10713902	10713968
TJU_CMC_MD2.ID01605.hairpin;ID=MI0017387;Alias=MI0017387;Name=hsa-mir-4748	25014	19	+	10890930	10891011
TJU_CMC_MD2.ID01606.hairpin	25015	19	+	10922882	10922940
TJU_CMC_MD2.ID01608.hairpin	25016	19	-	11039118	11039177
TJU_CMC_MD2.ID01609.hairpin	25017	19	+	11200991	11201047
TJU_CMC_MD2.ID01610.hairpin	25018	19	+	11708349	11708437
TJU_CMC_MD2.ID01611.hairpin	25019	19	-	12146497	12146577
TJU_CMC_MD2.ID01612.hairpin	25020	19	-	12788025	12788079
TJU_CMC_MD2.ID01613.hairpin	25021	19	-	12814412	12814482
TJU_CMC_MD2.ID01613.hairpin	25022	19	-	12814412	12814482
TJU_CMC_MD2.ID01614.hairpin	25023	19	-	12901065	12901137
TJU_CMC_MD2.ID01615.hairpin	25024	19	-	12904271	12904349
TJU_CMC_MD2.ID01616.hairpin	25025	19	+	12904339	12904394
TJU_CMC_MD2.ID01617.hairpin	25026	19	+	12969277	12969343

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01618.hairpin	25027	19	-	13039477	13039547	
TJU_CMC_MD2.ID01619.hairpin	25028	19	-	13056960	13057016	
TJU_CMC_MD2.ID01621.hairpin	25029	19	-	13065349	13065402	
TJU_CMC_MD2.ID01622.hairpin	25030	19	+	13106576	13106639	
TJU_CMC_MD2.ID01623.hairpin	25031	19	+	13169317	13169388	
TJU_CMC_MD2.ID01624.hairpin	25032	19	+	13206285	13206355	
TJU_CMC_MD2.ID01625.hairpin	25033	19	-	13210548	13210606	
TJU_CMC_MD2.ID01626.hairpin	25034	19	+	13262565	13262625	
TJU_CMC_MD2.ID01627.hairpin	25035	19	+	13263874	13263955	
TJU_CMC_MD2.ID01628.hairpin	25036	19	-	13318644	13318733	
TJU_CMC_MD2.ID01629.hairpin	25037	19	+	13943918	13943979	
TJU_CMC_MD2.ID01630.hairpin	25038	19	-	13953652	13953733	
TJU_CMC_MD2.ID01631.hairpin	25039	19	-	14070311	14070376	
TJU_CMC_MD2.ID01632.hairpin	25040	19	+	14070488	14070568	
TJU_CMC_MD2.ID01633.hairpin	25041	19	-	14074086	14074150	
TJU_CMC_MD2.ID01634.hairpin	25042	19	+	14116722	14116790	
TJU_CMC_MD2.ID01635.hairpin	25043	19	+	14192509	14192568	
TJU_CMC_MD2.ID01636.hairpin	25044	19	-	14229252	14229316	
TJU_CMC_MD2.ID01637.hairpin	25045	19	+	14544169	14544219	
TJU_CMC_MD2.ID01638.hairpin	25046	19	-	14629105	14629191	
TJU_CMC_MD2.ID01639.hairpin	25047	19	+	14676888	14676976	
TJU_CMC_MD2.ID01640.hairpin	25048	19	+	15059436	15059505	
TJU_CMC_MD2.ID01641.hairpin	25049	19	+	15543287	15543355	
TJU_CMC_MD2.ID01642.hairpin	25050	19	-	15575190	15575253	
TJU_CMC_MD2.ID01642.hairpin	25051	19	-	15575190	15575253	
TJU_CMC_MD2.ID01643.hairpin	25052	19	+	16187302	16187371	
TJU_CMC_MD2.ID01644.hairpin	25053	19	+	16198770	16198837	
TJU_CMC_MD2.ID01645.hairpin	25054	19	-	16229369	16229430	
TJU_CMC_MD2.ID01646.hairpin	25055	19	-	16477968	16478029	
TJU_CMC_MD2.ID01646.hairpin	25056	19	-	16477968	16478029	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01647.hairpin	25057	19	+	16477970	16478030
TJU_CMC_MD2.ID01648.hairpin	25058	19	-	16482088	16482147
TJU_CMC_MD2.ID01648.hairpin	25059	19	-	16482088	16482147
TJU_CMC_MD2.ID01649.hairpin	25060	19	+	17337631	17337687
TJU_CMC_MD2.ID01650.hairpin	25061	19	+	17356285	17356350
TJU_CMC_MD2.ID01651.hairpin	25062	19	-	17356378	17356431
TJU_CMC_MD2.ID01652.hairpin	25063	19	-	17356681	17356764
TJU_CMC_MD2.ID01653.hairpin	25064	19	+	17356873	17356960
TJU_CMC_MD2.ID01654.hairpin	25065	19	-	17438159	17438230
TJU_CMC_MD2.ID01655.hairpin	25066	19	+	17791369	17791423
TJU_CMC_MD2.ID01656.hairpin	25067	19	-	17846789	17846847
TJU_CMC_MD2.ID01657.hairpin	25068	19	+	17859111	17859177
TJU_CMC_MD2.ID01658.hairpin	25069	19	+	17888885	17888946
TJU_CMC_MD2.ID01659.hairpin	25070	19	+	18120943	18121005
TJU_CMC_MD2.ID01660.hairpin	25071	19	+	18134919	18134991
TJU_CMC_MD2.ID01661.hairpin	25072	19	+	18239157	18239210
TJU_CMC_MD2.ID01662.hairpin	25073	19	-	18272251	18272329
TJU_CMC_MD2.ID01663.hairpin	25074	19	+	18392078	18392135
TJU_CMC_MD2.ID01665.hairpin	25075	19	+	18543446	18543511
TJU_CMC_MD2.ID01666.hairpin	25076	19	-	18547054	18547119
TJU_CMC_MD2.ID01666.hairpin	25077	19	-	18547054	18547119
TJU_CMC_MD2.ID01667.hairpin	25078	19	-	18548920	18548993
TJU_CMC_MD2.ID01668.hairpin	25079	19	+	18699628	18699703
TJU_CMC_MD2.ID01669.hairpin	25080	19	+	18699751	18699801
TJU_CMC_MD2.ID01670.hairpin	25081	19	-	18717646	18717696
TJU_CMC_MD2.ID01671.hairpin	25082	19	-	19011264	19011322
TJU_CMC_MD2.ID01672.hairpin	25083	19	-	19023594	19023675
TJU_CMC_MD2.ID01673.hairpin	25084	19	+	19345738	19345789
TJU_CMC_MD2.ID01674.hairpin	25085	19	-	19415708	19415765
TJU_CMC_MD2.ID01674.hairpin	25086	19	-	19415708	19415765
TJU_CMC_MD2.ID01675.hairpin	25087	19	-	19496703	19496770

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01676.hairpin	25088	19	+	19603053	19603113
TJU_CMC_MD2.ID01677.hairpin	25089	19	+	19779858	19779924
TJU_CMC_MD2.ID01678.hairpin	25090	19	+	21623443	21623492
TJU_CMC_MD2.ID01679.hairpin	25091	19	-	22700452	22700525
TJU_CMC_MD2.ID01680.hairpin	25092	19	-	23439774	23439834
TJU_CMC_MD2.ID01680.hairpin	25093	19	-	23439774	23439834
TJU_CMC_MD2.ID01681.hairpin	25094	19	+	28058378	28058440
TJU_CMC_MD2.ID01682.hairpin	25095	19	+	28271739	28271830
TJU_CMC_MD2.ID01683.hairpin	25096	19	-	32896840	32896898
TJU_CMC_MD2.ID01684.hairpin	25097	19	+	33167562	33167615
TJU_CMC_MD2.ID01685.hairpin	25098	19	+	33698214	33698268
TJU_CMC_MD2.ID01686.hairpin	25099	19	-	33792845	33792908
TJU_CMC_MD2.ID01687.hairpin	25100	19	+	33864193	33864249
TJU_CMC_MD2.ID01688.hairpin	25101	19	-	33892775	33892847
TJU_CMC_MD2.ID01689.hairpin	25102	19	+	34112954	34113003
TJU_CMC_MD2.ID01690.hairpin	25103	19	-	34396926	34397004
TJU_CMC_MD2.ID01691.hairpin	25104	19	+	34663427	34663479
TJU_CMC_MD2.ID01693.hairpin	25105	19	+	35739920	35739998
TJU_CMC_MD2.ID01694.hairpin	25106	19	+	35760328	35760381
TJU_CMC_MD2.ID01695.hairpin	25107	19	+	35760426	35760481
TJU_CMC_MD2.ID01696.hairpin	25108	19	+	35761295	35761350
TJU_CMC_MD2.ID01697.hairpin	25109	19	+	35790429	35790505
TJU_CMC_MD2.ID01698.hairpin	25110	19	+	36227734	36227813
TJU_CMC_MD2.ID01699.hairpin	25111	19	-	36229531	36229610
TJU_CMC_MD2.ID01700.hairpin	25112	19	-	36484965	36485028
TJU_CMC_MD2.ID01701.hairpin	25113	19	-	36517957	36518012
TJU_CMC_MD2.ID01702.hairpin	25114	19	+	36631894	36631962
TJU_CMC_MD2.ID01703.hairpin	25115	19	+	38534264	38534328
TJU_CMC_MD2.ID01704.hairpin	25116	19	+	38719147	38719208
TJU_CMC_MD2.ID01705.hairpin	25117	19	-	38720297	38720367

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01706.hairpin	25118	19	+	38755086	38755151
TJU_CMC_MD2.ID01707.hairpin	25119	19	+	39220132	39220207
TJU_CMC_MD2.ID01708.hairpin	25120	19	-	39340369	39340424
TJU_CMC_MD2.ID01709.hairpin	25121	19	-	39340539	39340597
TJU_CMC_MD2.ID01710.hairpin	25122	19	-	39371537	39371608
TJU_CMC_MD2.ID01711.hairpin	25123	19	-	39440979	39441036
TJU_CMC_MD2.ID01712.hairpin	25124	19	+	39869083	39869139
TJU_CMC_MD2.ID01713.hairpin	25125	19	+	40719516	40719579
TJU_CMC_MD2.ID01714.hairpin	25126	19	-	40743998	40744052
TJU_CMC_MD2.ID01715.hairpin;ID=MI0003656;Alias=MI0003656;Name=hsa-mir-641	25127	19	-	40788450	40788548
TJU_CMC_MD2.ID01716.hairpin	25128	19	+	40854552	40854620
TJU_CMC_MD2.ID01717.hairpin	25129	19	-	41175925	41175994
TJU_CMC_MD2.ID01718.hairpin	25130	19	+	41744322	41744375
TJU_CMC_MD2.ID01719.hairpin	25131	19	-	41769347	41769405
TJU_CMC_MD2.ID01720.hairpin	25132	19	+	41857676	41857732
TJU_CMC_MD2.ID01721.hairpin	25133	19	-	42485985	42486045
TJU_CMC_MD2.ID01722.hairpin	25134	19	-	42510964	42511032
TJU_CMC_MD2.ID01723.hairpin	25135	19	-	42592110	42592160
TJU_CMC_MD2.ID01724.hairpin	25136	19	-	42787810	42787892
TJU_CMC_MD2.ID01725.hairpin	25137	19	+	42788711	42788766
TJU_CMC_MD2.ID01726.hairpin	25138	19	+	42837697	42837758
TJU_CMC_MD2.ID01728.hairpin	25139	19	-	44029835	44029891
TJU_CMC_MD2.ID01729.hairpin	25140	19	-	44057060	44057116
TJU_CMC_MD2.ID01730.hairpin	25141	19	-	44488112	44488184
TJU_CMC_MD2.ID01732.hairpin	25142	19	+	45648218	45648280
TJU_CMC_MD2.ID01733.hairpin	25143	19	-	45889284	45889363
TJU_CMC_MD2.ID01734.hairpin	25144	19	-	46119814	46119877
TJU_CMC_MD2.ID01735.hairpin	25145	19	-	46389116	46389196
TJU_CMC_MD2.ID01736.hairpin	25146	19	-	47124929	47124996
TJU_CMC_MD2.ID01737.hairpin	25147	19	+	47249288	47249357

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01738.hairpin	25148	19	-	47341571	47341630
TJU_CMC_MD2.ID01739.hairpin	25149	19	+	47364235	47364299
TJU_CMC_MD2.ID01740.hairpin	25150	19	+	47729569	47729638
TJU_CMC_MD2.ID01741.hairpin	25151	19	-	48111795	48111867
TJU_CMC_MD2.ID01742.hairpin	25152	19	+	48257954	48258024
TJU_CMC_MD2.ID01743.hairpin	25153	19	+	48259798	48259853
TJU_CMC_MD2.ID01744.hairpin	25154	19	+	48281945	48281999
TJU_CMC_MD2.ID01745.hairpin	25155	19	+	48981470	48981532
TJU_CMC_MD2.ID01746.hairpin	25156	19	+	49122752	49122809
TJU_CMC_MD2.ID01747.hairpin	25157	19	+	49472627	49472677
TJU_CMC_MD2.ID01748.hairpin	25158	19	+	49982112	49982166
TJU_CMC_MD2.ID01749.hairpin	25159	19	+	50094429	50094498
TJU_CMC_MD2.ID01750.hairpin	25160	19	+	50180938	50180991
TJU_CMC_MD2.ID01751.hairpin;ID=MI0017977;Alias=MI0017977;Name=hsa-mir-5088	25161	19	+	50185374	50185452
TJU_CMC_MD2.ID01752.hairpin	25162	19	+	50188117	50188174
TJU_CMC_MD2.ID01753.hairpin	25163	19	-	50363423	50363494
TJU_CMC_MD2.ID01754.hairpin	25164	19	+	50387657	50387716
TJU_CMC_MD2.ID01755.hairpin	25165	19	+	50832201	50832258
TJU_CMC_MD2.ID01756.hairpin	25166	19	+	51071344	51071393
TJU_CMC_MD2.ID01757.hairpin	25167	19	+	51228373	51228453
TJU_CMC_MD2.ID01758.hairpin	25168	19	+	51871847	51871905
TJU_CMC_MD2.ID01759.hairpin	25169	19	+	52194156	52194211
TJU_CMC_MD2.ID01760.hairpin	25170	19	-	52303193	52303255
TJU_CMC_MD2.ID01761.hairpin	25171	19	+	52407691	52407741
TJU_CMC_MD2.ID01762.hairpin;ID=MI0003658;Alias=MI0003658;Name=hsa-mir-643	25172	19	+	52785050	52785146
TJU_CMC_MD2.ID01763.hairpin	25173	19	-	53839137	53839190
TJU_CMC_MD2.ID01764.hairpin;ID=MI0003156;Alias=MI0003156;Name=hsa-mir-518b	25174	19	+	54205991	54206073
TJU_CMC_MD2.ID01765.hairpin	25175	19	+	54485276	54485334

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01766.hairpin;ID=MI0005757;Alias=MI0005757;Name=hsa-mir-935	25176	19	+	54485561	54485651
TJU_CMC_MD2.ID01767.hairpin	25177	19	-	54712706	54712777
TJU_CMC_MD2.ID01768.hairpin	25178	19	+	54932370	54932451
TJU_CMC_MD2.ID01769.hairpin	25179	19	+	54967162	54967240
TJU_CMC_MD2.ID01770.hairpin	25180	19	-	55603910	55603983
TJU_CMC_MD2.ID01771.hairpin	25181	19	-	55628707	55628790
TJU_CMC_MD2.ID01773.hairpin	25182	19	-	55750870	55750946
TJU_CMC_MD2.ID01774.hairpin	25183	19	+	55881864	55881943
TJU_CMC_MD2.ID01775.hairpin	25184	19	-	55995593	55995648
TJU_CMC_MD2.ID01776.hairpin	25185	19	+	56112191	56112257
TJU_CMC_MD2.ID01777.hairpin	25186	19	+	56185438	56185506
TJU_CMC_MD2.ID01778.hairpin	25187	19	+	56186611	56186678
TJU_CMC_MD2.ID01779.hairpin	25188	19	-	57182596	57182659
TJU_CMC_MD2.ID01781.hairpin	25189	19	-	58204885	58204940
TJU_CMC_MD2.ID01782.hairpin	25190	19	+	58898158	58898215
TJU_CMC_MD2.ID01783.hairpin	25191	19	+	59060852	59060913
TJU_CMC_MD2.ID01784.hairpin	25192	2	-	1652728	1652790
TJU_CMC_MD2.ID01785.hairpin	25193	2	+	2708737	2708798
TJU_CMC_MD2.ID01786.hairpin	25194	2	+	3606135	3606213
TJU_CMC_MD2.ID01787.hairpin	25195	2	-	5836024	5836109
TJU_CMC_MD2.ID01788.hairpin	25196	2	+	7057643	7057706
TJU_CMC_MD2.ID01790.hairpin	25197	2	-	9461018	9461074
TJU_CMC_MD2.ID01791.hairpin	25198	2	+	10263048	10263108
TJU_CMC_MD2.ID01792.hairpin	25199	2	-	11241308	11241362
TJU_CMC_MD2.ID01793.hairpin	25200	2	-	16612738	16612800
TJU_CMC_MD2.ID01793.hairpin	25201	2	-	16612738	16612800
TJU_CMC_MD2.ID01795.hairpin	25202	2	-	17934706	17934766
TJU_CMC_MD2.ID01796.hairpin	25203	2	-	19558251	19558313
TJU_CMC_MD2.ID01797.hairpin	25204	2	+	20387202	20387278
TJU_CMC_MD2.ID01798.hairpin	25205	2	-	20850839	20850898

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01799.hairpin	25206	2	-	23608642	23608719
TJU_CMC_MD2.ID01800.hairpin	25207	2	-	24713935	24713989
TJU_CMC_MD2.ID01801.hairpin	25208	2	-	25109087	25109153
TJU_CMC_MD2.ID01801.hairpin	25209	2	-	25109087	25109153
TJU_CMC_MD2.ID01802.hairpin;ID=MI0003815;Alias=MI0003815;Name=hsa-mir-1301	25210	2	-	25551509	25551590
TJU_CMC_MD2.ID01803.hairpin	25211	2	-	25960724	25960786
TJU_CMC_MD2.ID01804.hairpin	25212	2	+	26915533	26915605
TJU_CMC_MD2.ID01805.hairpin	25213	2	-	27294393	27294451
TJU_CMC_MD2.ID01805.hairpin	25214	2	-	27294393	27294451
TJU_CMC_MD2.ID01806.hairpin	25215	2	+	27308941	27308995
TJU_CMC_MD2.ID01808.hairpin	25216	2	-	29352293	29352355
TJU_CMC_MD2.ID01810.hairpin	25217	2	+	30144353	30144426
TJU_CMC_MD2.ID01811.hairpin	25218	2	+	32533459	32533521
TJU_CMC_MD2.ID01812.hairpin;ID=MI0017406;Alias=MI0017406;Name=hsa-mir-4765	25219	2	+	32860322	32860398
TJU_CMC_MD2.ID01814.hairpin	25220	2	-	37074227	37074284
TJU_CMC_MD2.ID01815.hairpin	25221	2	+	37202528	37202597
TJU_CMC_MD2.ID01816.hairpin	25222	2	+	37551930	37551991
TJU_CMC_MD2.ID01817.hairpin	25223	2	-	38301921	38301995
TJU_CMC_MD2.ID01819.hairpin	25224	2	-	38604318	38604381
TJU_CMC_MD2.ID01820.hairpin	25225	2	-	40643950	40644006
TJU_CMC_MD2.ID01821.hairpin	25226	2	-	40645916	40645973
TJU_CMC_MD2.ID01822.hairpin	25227	2	+	42319678	42319767
TJU_CMC_MD2.ID01822.hairpin	25228	2	+	42319678	42319767
TJU_CMC_MD2.ID01823.hairpin	25229	2	+	43414612	43414662
TJU_CMC_MD2.ID01824.hairpin	25230	2	+	43451859	43451947
TJU_CMC_MD2.ID01825.hairpin	25231	2	-	43451862	43451913

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01827.hairpin	25232	2	+	46496703	46496756
TJU_CMC_MD2.ID01828.hairpin;ID=MI0003565;Alias=MI0003565;Name=hsa-mir-559	25233	2	+	47604814	47604909
TJU_CMC_MD2.ID01829.hairpin	25234	2	-	54806175	54806244
TJU_CMC_MD2.ID01830.hairpin	25235	2	-	55235308	55235381
TJU_CMC_MD2.ID01831.hairpin	25236	2	-	55276921	55276972
TJU_CMC_MD2.ID01832.hairpin	25237	2	+	55450676	55450727
TJU_CMC_MD2.ID01833.hairpin;ID=MI0000293;Alias=MI0000293;Name=hsa-mir-217	25238	2	-	56210102	56210211
TJU_CMC_MD2.ID01834.hairpin	25239	2	+	61765949	61766008
TJU_CMC_MD2.ID01835.hairpin	25240	2	-	62081231	62081319
TJU_CMC_MD2.ID01836.hairpin	25241	2	+	62566888	62566945
TJU_CMC_MD2.ID01837.hairpin	25242	2	-	62798258	62798317
TJU_CMC_MD2.ID01838.hairpin	25243	2	+	64824460	64824526
TJU_CMC_MD2.ID01839.hairpin	25244	2	-	64977962	64978024
TJU_CMC_MD2.ID01840.hairpin	25245	2	+	64990854	64990914
TJU_CMC_MD2.ID01841.hairpin	25246	2	+	65658426	65658504
TJU_CMC_MD2.ID01842.hairpin	25247	2	+	68622743	68622812
TJU_CMC_MD2.ID01842.hairpin	25248	2	+	68622743	68622812
TJU_CMC_MD2.ID01843.hairpin	25249	2	+	70336211	70336274
TJU_CMC_MD2.ID01845.hairpin	25250	2	-	71127165	71127255
TJU_CMC_MD2.ID01846.hairpin	25251	2	-	71221949	71222014
TJU_CMC_MD2.ID01847.hairpin	25252	2	-	72371661	72371747
TJU_CMC_MD2.ID01848.hairpin	25253	2	-	74689032	74689089
TJU_CMC_MD2.ID01849.hairpin	25254	2	-	74692354	74692416
TJU_CMC_MD2.ID01850.hairpin	25255	2	-	77714575	77714638
TJU_CMC_MD2.ID01851.hairpin	25256	2	-	78286220	78286281
TJU_CMC_MD2.ID01853.hairpin	25257	2	+	83562568	83562625
TJU_CMC_MD2.ID01854.hairpin	25258	2	-	85545448	85545511
TJU_CMC_MD2.ID01855.hairpin	25259	2	+	85788748	85788799

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TJU_CMC_MD2.ID01856.hairpin	25260	2	+	86850705	86850758
TJU_CMC_MD2.ID01857.hairpin	25261	2	-	87303424	87303483
TJU_CMC_MD2.ID01858.hairpin	25262	2	-	88329719	88329808
TJU_CMC_MD2.ID01859.hairpin	25263	2	-	88355176	88355240
TJU_CMC_MD2.ID01860.hairpin	25264	2	-	89111895	89111955
TJU_CMC_MD2.ID01860.hairpin	25265	2	-	89111895	89111955
TJU_CMC_MD2.ID01861.hairpin	25266	2	+	95967838	95967897
TJU_CMC_MD2.ID01863.hairpin	25267	2	-	97149284	97149346
TJU_CMC_MD2.ID01864.hairpin	25268	2	+	97534375	97534435
TJU_CMC_MD2.ID01865.hairpin	25269	2	+	97535203	97535278
TJU_CMC_MD2.ID01866.hairpin	25270	2	+	97536000	97536064
TJU_CMC_MD2.ID01867.hairpin	25271	2	-	98204785	98204845
TJU_CMC_MD2.ID01868.hairpin	25272	2	-	98280415	98280471
TJU_CMC_MD2.ID01869.hairpin	25273	2	+	99182041	99182103
TJU_CMC_MD2.ID01870.hairpin	25274	2	-	99347462	99347551
TJU_CMC_MD2.ID01871.hairpin	25275	2	+	99729301	99729361
TJU_CMC_MD2.ID01872.hairpin	25276	2	-	100083624	100083699
TJU_CMC_MD2.ID01873.hairpin	25277	2	+	100938492	100938542
TJU_CMC_MD2.ID01874.hairpin	25278	2	+	101619081	101619156
TJU_CMC_MD2.ID01875.hairpin	25279	2	-	101767809	101767881
TJU_CMC_MD2.ID01876.hairpin;ID=MI0019303;Alias=MI0019303;Name=hsa-mir-5696	25280	2	+	101925912	101925996
TJU_CMC_MD2.ID01877.hairpin	25281	2	+	103236049	103236106
TJU_CMC_MD2.ID01878.hairpin	25282	2	-	103914908	103914991
TJU_CMC_MD2.ID01879.hairpin	25283	2	-	105473521	105473594
TJU_CMC_MD2.ID01880.hairpin	25284	2	-	106438329	106438387
TJU_CMC_MD2.ID01881.hairpin	25285	2	+	106509618	106509669
TJU_CMC_MD2.ID01882.hairpin	25286	2	-	106712085	106712147
TJU_CMC_MD2.ID01883.hairpin	25287	2	+	107503227	107503279
TJU_CMC_MD2.ID01884.hairpin	25288	2	+	107503873	107503931

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TJU_CMC_MD2.ID01885.hairpin	25289	2	-	109151178	109151228
TJU_CMC_MD2.ID01888.hairpin	25290	2	-	113012628	113012703
TJU_CMC_MD2.ID01889.hairpin	25291	2	-	113033757	113033844
TJU_CMC_MD2.ID01890.hairpin	25292	2	+	114361524	114361603
TJU_CMC_MD2.ID01891.hairpin	25293	2	-	114514183	114514257
TJU_CMC_MD2.ID01892.hairpin	25294	2	+	114736872	114736944
TJU_CMC_MD2.ID01893.hairpin	25295	2	-	118674961	118675030
TJU_CMC_MD2.ID01893.hairpin	25296	2	-	118674961	118675030
TJU_CMC_MD2.ID01894.hairpin	25297	2	+	118760046	118760115
TJU_CMC_MD2.ID01895.hairpin	25298	2	-	119604626	119604691
TJU_CMC_MD2.ID01896.hairpin	25299	2	+	120517764	120517821
TJU_CMC_MD2.ID01897.hairpin	25300	2	-	120980936	120981008
TJU_CMC_MD2.ID01898.hairpin	25301	2	+	121499362	121499434
TJU_CMC_MD2.ID01899.hairpin	25302	2	+	128052331	128052416
TJU_CMC_MD2.ID01900.hairpin	25303	2	-	128145398	128145483
TJU_CMC_MD2.ID01901.hairpin	25304	2	+	128180770	128180834
TJU_CMC_MD2.ID01902.hairpin	25305	2	-	128412511	128412568
TJU_CMC_MD2.ID01903.hairpin	25306	2	-	128458909	128458969
TJU_CMC_MD2.ID01904.hairpin	25307	2	+	128459084	128459143
TJU_CMC_MD2.ID01905.hairpin	25308	2	-	128459705	128459774
TJU_CMC_MD2.ID01906.hairpin	25309	2	+	130267262	130267324
TJU_CMC_MD2.ID01907.hairpin	25310	2	-	130696407	130696484
TJU_CMC_MD2.ID01908.hairpin	25311	2	+	131103275	131103352
TJU_CMC_MD2.ID01909.hairpin	25312	2	-	131149114	131149167
TJU_CMC_MD2.ID01910.hairpin	25313	2	+	132218381	132218458
TJU_CMC_MD2.ID01911.hairpin	25314	2	-	133010528	133010595
TJU_CMC_MD2.ID01912.hairpin	25315	2	-	133015717	133015789
TJU_CMC_MD2.ID01913.hairpin	25316	2	+	133191304	133191364
TJU_CMC_MD2.ID01915.hairpin	25317	2	+	136633379	136633429
TJU_CMC_MD2.ID01916.hairpin	25318	2	-	139259197	139259253

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TJU_CMC_MD2.ID01917.hairpin	25319	2	-	141299458	141299516
TJU_CMC_MD2.ID01918.hairpin	25320	2	+	141406056	141406135
TJU_CMC_MD2.ID01919.hairpin	25321	2	-	143914831	143914911
TJU_CMC_MD2.ID01920.hairpin	25322	2	-	145273564	145273634
TJU_CMC_MD2.ID01921.hairpin	25323	2	+	149402490	149402551
TJU_CMC_MD2.ID01922.hairpin	25324	2	-	152425050	152425138
TJU_CMC_MD2.ID01923.hairpin	25325	2	-	152802887	152802946
TJU_CMC_MD2.ID01924.hairpin	25326	2	+	153246704	153246760
TJU_CMC_MD2.ID01925.hairpin	25327	2	-	161053359	161053428
TJU_CMC_MD2.ID01926.hairpin	25328	2	-	161126806	161126894
TJU_CMC_MD2.ID01927.hairpin	25329	2	-	168420409	168420469
TJU_CMC_MD2.ID01928.hairpin	25330	2	+	169312723	169312810
TJU_CMC_MD2.ID01929.hairpin	25331	2	+	170590353	170590410
TJU_CMC_MD2.ID01930.hairpin	25332	2	-	170681359	170681417
TJU_CMC_MD2.ID01931.hairpin	25333	2	+	170684030	170684108
TJU_CMC_MD2.ID01932.hairpin	25334	2	+	172016673	172016734
TJU_CMC_MD2.ID01933.hairpin	25335	2	+	173355880	173355949
TJU_CMC_MD2.ID01934.hairpin	25336	2	-	175464725	175464803
TJU_CMC_MD2.ID01935.hairpin	25337	2	+	178129566	178129621
TJU_CMC_MD2.ID01936.hairpin	25338	2	-	179056158	179056225
TJU_CMC_MD2.ID01937.hairpin	25339	2	-	179343240	179343315
TJU_CMC_MD2.ID01938.hairpin	25340	2	-	179885147	179885215
TJU_CMC_MD2.ID01939.hairpin	25341	2	+	181763676	181763761
TJU_CMC_MD2.ID01940.hairpin	25342	2	+	182013376	182013429
TJU_CMC_MD2.ID01941.hairpin	25343	2	+	187541226	187541289
TJU_CMC_MD2.ID01942.hairpin	25344	2	-	187558966	187559035
TJU_CMC_MD2.ID01943.hairpin;ID=MI0006380;Alias=MI0006380;Name=hsa-mir-1245a	25345	2	+	189842818	189842887
TJU_CMC_MD2.ID01944.hairpin	25346	2	+	190570726	190570784

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID01945.hairpin	25347	2	+	191001308	191001372
TJU_CMC_MD2.ID01946.hairpin	25348	2	-	191273510	191273573
TJU_CMC_MD2.ID01947.hairpin	25349	2	-	191399137	191399201
TJU_CMC_MD2.ID01948.hairpin	25350	2	-	191513517	191513603
TJU_CMC_MD2.ID01949.hairpin	25351	2	-	198159018	198159099
TJU_CMC_MD2.ID01950.hairpin	25352	2	+	198159024	198159103
TJU_CMC_MD2.ID01950.hairpin	25353	2	+	198159024	198159103
TJU_CMC_MD2.ID01951.hairpin	25354	2	+	198319860	198319910
TJU_CMC_MD2.ID01953.hairpin	25355	2	-	200715786	200715863
TJU_CMC_MD2.ID01954.hairpin	25356	2	-	201373530	201373592
TJU_CMC_MD2.ID01955.hairpin	25357	2	-	202818829	202818904
TJU_CMC_MD2.ID01956.hairpin	25358	2	+	206438599	206438658
TJU_CMC_MD2.ID01957.hairpin	25359	2	+	207308397	207308467
TJU_CMC_MD2.ID01958.hairpin	25360	2	-	208031142	208031194
TJU_CMC_MD2.ID01959.hairpin	25361	2	+	208031414	208031469
TJU_CMC_MD2.ID01959.hairpin	25362	2	+	208031414	208031469
TJU_CMC_MD2.ID01960.hairpin	25363	2	-	208634592	208634645
TJU_CMC_MD2.ID01961.hairpin	25364	2	-	211036059	211036133
TJU_CMC_MD2.ID01962.hairpin	25365	2	+	214390501	214390566
TJU_CMC_MD2.ID01964.hairpin	25366	2	+	219264413	219264484
TJU_CMC_MD2.ID01965.hairpin	25367	2	-	219270733	219270790
TJU_CMC_MD2.ID01966.hairpin;ID=MI0000783;Alias=MI0000783;Name=hsa-mir-375	25368	2	-	219866367	219866430
TJU_CMC_MD2.ID01967.hairpin;ID=MI0000463;Alias=MI0000463;Name=hsa-mir-153-1	25369	2	-	220158833	220158922
TJU_CMC_MD2.ID01968.hairpin	25370	2	+	220337556	220337609
TJU_CMC_MD2.ID01969.hairpin	25371	2	-	220408425	220408488
TJU_CMC_MD2.ID01970.hairpin	25372	2	+	220413794	220413872
TJU_CMC_MD2.ID01971.hairpin;ID=MI0014152;Alias=MI0014152;Name=hsa-mir-3132	25373	2	-	220413795	220413869
TJU_CMC_MD2.ID01972.hairpin	25374	2	-	220435540	220435605

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TJU_CMC_MD2.ID01973.hairpin	25375	2	+	225235722	225235783
TJU_CMC_MD2.ID01975.hairpin	25376	2	-	225875116	225875176
TJU_CMC_MD2.ID01976.hairpin	25377	2	-	227664521	227664603
TJU_CMC_MD2.ID01977.hairpin	25378	2	-	227665849	227665919
TJU_CMC_MD2.ID01978.hairpin	25379	2	-	227700572	227700630
TJU_CMC_MD2.ID01981.hairpin	25380	2	-	230195438	230195492
TJU_CMC_MD2.ID01982.hairpin	25381	2	-	230519302	230519368
TJU_CMC_MD2.ID01983.hairpin	25382	2	-	231037678	231037736
TJU_CMC_MD2.ID01984.hairpin	25383	2	-	232050778	232050846
TJU_CMC_MD2.ID01985.hairpin	25384	2	+	232826506	232826579
TJU_CMC_MD2.ID01986.hairpin	25385	2	+	233217224	233217278
TJU_CMC_MD2.ID01987.hairpin	25386	2	-	233346567	233346624
TJU_CMC_MD2.ID01988.hairpin	25387	2	+	234372708	234372764
TJU_CMC_MD2.ID01989.hairpin	25388	2	+	235406289	235406345
TJU_CMC_MD2.ID01990.hairpin	25389	2	+	235860604	235860662
TJU_CMC_MD2.ID01991.hairpin	25390	2	-	236175143	236175199
TJU_CMC_MD2.ID01992.hairpin	25391	2	-	238828450	238828517
TJU_CMC_MD2.ID01993.hairpin	25392	2	+	239050939	239050996
TJU_CMC_MD2.ID01994.hairpin	25393	2	+	239111974	239112033
TJU_CMC_MD2.ID01995.hairpin	25394	2	-	239148213	239148276
TJU_CMC_MD2.ID01996.hairpin	25395	2	-	239148586	239148638
TJU_CMC_MD2.ID01997.hairpin	25396	2	-	239313619	239313699
TJU_CMC_MD2.ID01998.hairpin	25397	2	-	239334685	239334744
TJU_CMC_MD2.ID01999.hairpin	25398	2	+	239355997	239356047
TJU_CMC_MD2.ID01999.hairpin	25399	2	+	239355997	239356047
TJU_CMC_MD2.ID02000.hairpin	25400	2	-	239755634	239755687
TJU_CMC_MD2.ID02001.hairpin	25401	2	+	240172153	240172214
TJU_CMC_MD2.ID02002.hairpin	25402	2	+	240322391	240322465
TJU_CMC_MD2.ID02003.hairpin	25403	2	+	241075347	241075439
TJU_CMC_MD2.ID02004.hairpin	25404	2	+	241375519	241375574

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TJU_CMC_MD2.ID02005.hairpin	25405	2	-	241500103	241500162
TJU_CMC_MD2.ID02006.hairpin	25406	2	+	241500208	241500264
TJU_CMC_MD2.ID02007.hairpin	25407	2	+	241516201	241516257
TJU_CMC_MD2.ID02008.hairpin	25408	2	-	241525927	241525976
TJU_CMC_MD2.ID02009.hairpin	25409	2	+	241938107	241938174
TJU_CMC_MD2.ID02010.hairpin	25410	2	+	242155521	242155583
TJU_CMC_MD2.ID02011.hairpin	25411	2	+	242295694	242295758
TJU_CMC_MD2.ID02012.hairpin	25412	2	-	242576539	242576601
TJU_CMC_MD2.ID02013.hairpin	25413	2	-	242576907	242576957
TJU_CMC_MD2.ID02014.hairpin	25414	2	+	242641144	242641204
TJU_CMC_MD2.ID02015.hairpin	25415	2	+	242674053	242674103
TJU_CMC_MD2.ID02016.hairpin	25416	2	+	242674228	242674292
TJU_CMC_MD2.ID02017.hairpin	25417	2	+	242675455	242675510
TJU_CMC_MD2.ID02018.hairpin	25418	2	+	242707178	242707235
TJU_CMC_MD2.ID02019.hairpin	25419	20	-	388468	388538
TJU_CMC_MD2.ID02020.hairpin	25420	20	-	1373677	1373743
TJU_CMC_MD2.ID02021.hairpin	25421	20	+	1447100	1447158
TJU_CMC_MD2.ID02022.hairpin	25422	20	-	2633033	2633100
TJU_CMC_MD2.ID02023.hairpin	25423	20	+	3026724	3026789
TJU_CMC_MD2.ID02024.hairpin	25424	20	+	3626168	3626222
TJU_CMC_MD2.ID02025.hairpin	25425	20	+	3846668	3846719
TJU_CMC_MD2.ID02027.hairpin	25426	20	-	4129352	4129421
TJU_CMC_MD2.ID02028.hairpin	25427	20	-	4667809	4667865
TJU_CMC_MD2.ID02029.hairpin	25428	20	-	5591541	5591593
TJU_CMC_MD2.ID02030.hairpin	25429	20	+	8379113	8379165
TJU_CMC_MD2.ID02031.hairpin	25430	20	-	9491466	9491536
TJU_CMC_MD2.ID02032.hairpin	25431	20	-	10414763	10414850
TJU_CMC_MD2.ID02033.hairpin	25432	20	-	15960231	15960289
TJU_CMC_MD2.ID02035.hairpin	25433	20	-	19192692	19192755
TJU_CMC_MD2.ID02036.hairpin	25434	20	+	21503245	21503313
TJU_CMC_MD2.ID02037.hairpin	25435	20	+	23078419	23078500

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TJU_CMC_MD2.ID02038.hairpin	25436	20	-	23291072	23291125
TJU_CMC_MD2.ID02039.hairpin	25437	20	-	24942970	24943053
TJU_CMC_MD2.ID02040.hairpin	25438	20	-	25062496	25062555
TJU_CMC_MD2.ID02041.hairpin	25439	20	+	25262611	25262669
TJU_CMC_MD2.ID02042.hairpin	25440	20	-	25566080	25566156
TJU_CMC_MD2.ID02043.hairpin	25441	20	-	26189317	26189369
TJU_CMC_MD2.ID02043.hairpin	25442	20	-	26189317	26189369
TJU_CMC_MD2.ID02044.hairpin	25443	20	+	30160973	30161032
TJU_CMC_MD2.ID02045.hairpin	25444	20	-	30449496	30449569
TJU_CMC_MD2.ID02046.hairpin	25445	20	+	30458101	30458165
TJU_CMC_MD2.ID02047.hairpin	25446	20	-	31171072	31171144
TJU_CMC_MD2.ID02048.hairpin	25447	20	+	31261727	31261781
TJU_CMC_MD2.ID02049.hairpin	25448	20	+	32251569	32251639
TJU_CMC_MD2.ID02050.hairpin	25449	20	-	32264471	32264530
TJU_CMC_MD2.ID02050.hairpin	25450	20	-	32264471	32264530
TJU_CMC_MD2.ID02051.hairpin	25451	20	+	32273832	32273920
TJU_CMC_MD2.ID02052.hairpin	25452	20	+	32274103	32274180
TJU_CMC_MD2.ID02053.hairpin	25453	20	+	32399197	32399261
TJU_CMC_MD2.ID02054.hairpin	25454	20	-	33440077	33440126
TJU_CMC_MD2.ID02055.hairpin	25455	20	-	33872292	33872368
TJU_CMC_MD2.ID02056.hairpin	25456	20	-	34252712	34252782
TJU_CMC_MD2.ID02057.hairpin	25457	20	+	34681388	34681462
TJU_CMC_MD2.ID02058.hairpin	25458	20	-	34742538	34742590
TJU_CMC_MD2.ID02059.hairpin	25459	20	-	35805481	35805549
TJU_CMC_MD2.ID02059.hairpin	25460	20	-	35805481	35805549
TJU_CMC_MD2.ID02060.hairpin	25461	20	+	35805490	35805549
TJU_CMC_MD2.ID02061.hairpin	25462	20	+	35807713	35807787
TJU_CMC_MD2.ID02062.hairpin	25463	20	+	36150930	36150987
TJU_CMC_MD2.ID02063.hairpin	25464	20	-	36841987	36842041
TJU_CMC_MD2.ID02064.hairpin	25465	20	-	37353016	37353097

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TJU_CMC_MD2.ID02065.hairpin	25466	20	-	39318652	39318715
TJU_CMC_MD2.ID02066.hairpin	25467	20	-	39995029	39995105
TJU_CMC_MD2.ID02067.hairpin	25468	20	+	42086560	42086617
TJU_CMC_MD2.ID02068.hairpin	25469	20	+	42287212	42287275
TJU_CMC_MD2.ID02069.hairpin	25470	20	-	42839194	42839252
TJU_CMC_MD2.ID02070.hairpin	25471	20	+	42839759	42839836
TJU_CMC_MD2.ID02071.hairpin	25472	20	+	43104491	43104566
TJU_CMC_MD2.ID02072.hairpin	25473	20	+	43272735	43272794
TJU_CMC_MD2.ID02073.hairpin	25474	20	-	44042701	44042774
TJU_CMC_MD2.ID02074.hairpin	25475	20	+	44044774	44044848
TJU_CMC_MD2.ID02074.hairpin	25476	20	+	44044774	44044848
TJU_CMC_MD2.ID02075.hairpin	25477	20	+	44523566	44523633
TJU_CMC_MD2.ID02076.hairpin	25478	20	-	44718506	44718589
TJU_CMC_MD2.ID02077.hairpin	25479	20	+	44992917	44992982
TJU_CMC_MD2.ID02078.hairpin	25480	20	+	47443760	47443830
TJU_CMC_MD2.ID02079.hairpin	25481	20	-	47444469	47444531
TJU_CMC_MD2.ID02080.hairpin	25482	20	-	47663204	47663271
TJU_CMC_MD2.ID02081.hairpin	25483	20	-	48531951	48532005
TJU_CMC_MD2.ID02082.hairpin	25484	20	+	48552902	48552973
TJU_CMC_MD2.ID02083.hairpin	25485	20	-	48599231	48599301
TJU_CMC_MD2.ID02084.hairpin	25486	20	-	48808062	48808134
TJU_CMC_MD2.ID02085.hairpin	25487	20	-	49212800	49212850
TJU_CMC_MD2.ID02085.hairpin	25488	20	-	49212800	49212850
TJU_CMC_MD2.ID02087.hairpin	25489	20	-	51728374	51728431
TJU_CMC_MD2.ID02088.hairpin	25490	20	+	51728376	51728433
TJU_CMC_MD2.ID02088.hairpin	25491	20	+	51728376	51728433
TJU_CMC_MD2.ID02089.hairpin	25492	20	-	52209639	52209699
TJU_CMC_MD2.ID02090.hairpin	25493	20	-	56224500	56224561
TJU_CMC_MD2.ID02091.hairpin	25494	20	-	56644939	56645000
TJU_CMC_MD2.ID02092.hairpin	25495	20	-	56964592	56964650
TJU_CMC_MD2.ID02093.hairpin	25496	20	-	57429597	57429682

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TJU_CMC_MD2.ID02094.hairpin	25497	20	+	57466448	57466503
TJU_CMC_MD2.ID02095.hairpin	25498	20	+	57485746	57485801
TJU_CMC_MD2.ID02096.hairpin	25499	20	+	57598914	57598971
TJU_CMC_MD2.ID02096.hairpin	25500	20	+	57598914	57598971
TJU_CMC_MD2.ID02097.hairpin	25501	20	+	60641262	60641314
TJU_CMC_MD2.ID02098.hairpin	25502	20	+	60696925	60696978
TJU_CMC_MD2.ID02099.hairpin	25503	20	+	60697524	60697599
TJU_CMC_MD2.ID02100.hairpin	25504	20	-	60718378	60718442
TJU_CMC_MD2.ID02101.hairpin	25505	20	+	60795998	60796052
TJU_CMC_MD2.ID02102.hairpin	25506	20	+	61002024	61002079
TJU_CMC_MD2.ID02103.hairpin	25507	20	+	61050309	61050375
TJU_CMC_MD2.ID02104.hairpin;ID=MI0000651;Alia s=MI0000651;Name=hsa-mir-1-1	25508	20	+	61151513	61151583
TJU_CMC_MD2.ID02105.hairpin	25509	20	+	61339953	61340029
TJU_CMC_MD2.ID02106.hairpin	25510	20	+	61425893	61425955
TJU_CMC_MD2.ID02107.hairpin	25511	20	-	61557758	61557834
TJU_CMC_MD2.ID02108.hairpin	25512	20	+	61648163	61648217
TJU_CMC_MD2.ID02109.hairpin	25513	20	+	61809102	61809159
TJU_CMC_MD2.ID02110.hairpin	25514	20	+	61937817	61937867
TJU_CMC_MD2.ID02111.hairpin	25515	20	-	62169034	62169088
TJU_CMC_MD2.ID02112.hairpin	25516	20	+	62179089	62179171
TJU_CMC_MD2.ID02113.hairpin	25517	20	-	62190312	62190367
TJU_CMC_MD2.ID02114.hairpin	25518	20	+	62371246	62371307
TJU_CMC_MD2.ID02115.hairpin	25519	20	+	62462247	62462331
TJU_CMC_MD2.ID02116.hairpin	25520	20	-	62572212	62572282
TJU_CMC_MD2.ID02117.hairpin	25521	20	-	62594792	62594855
TJU_CMC_MD2.ID02118.hairpin	25522	20	+	62653091	62653165
TJU_CMC_MD2.ID02119.hairpin	25523	20	+	62669353	62669420
TJU_CMC_MD2.ID02120.hairpin	25524	20	+	62711101	62711159
TJU_CMC_MD2.ID02121.hairpin	25525	20	-	62886959	62887020
TJU_CMC_MD2.ID02122.hairpin	25526	21	+	9825595	9825670

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TJU_CMC_MD2.ID02123.hairpin;ID=MI0016048;Alias=MI0016048;Name=hsa-mir-3648	25527	21	+	9825832	9826011
TJU_CMC_MD2.ID02124.hairpin;ID=MI0016088;Alias=MI0016088;Name=hsa-mir-3687	25528	21	+	9826203	9826263
TJU_CMC_MD2.ID02125.hairpin	25529	21	+	9826304	9826365
TJU_CMC_MD2.ID02125.hairpin	25530	21	+	9826304	9826365
TJU_CMC_MD2.ID02126.hairpin	25531	21	+	9826442	9826498
TJU_CMC_MD2.ID02126.hairpin	25532	21	+	9826442	9826498
TJU_CMC_MD2.ID02127.hairpin	25533	21	+	9826548	9826622
TJU_CMC_MD2.ID02128.hairpin	25534	21	+	9826783	9826855
TJU_CMC_MD2.ID02129.hairpin	25535	21	-	11168559	11168646
TJU_CMC_MD2.ID02130.hairpin	25536	21	+	17102256	17102344
TJU_CMC_MD2.ID02132.hairpin	25537	21	+	26882761	26882830
TJU_CMC_MD2.ID02133.hairpin	25538	21	+	30671280	30671335
TJU_CMC_MD2.ID02134.hairpin	25539	21	-	33065648	33065707
TJU_CMC_MD2.ID02135.hairpin	25540	21	-	33103565	33103625
TJU_CMC_MD2.ID02136.hairpin	25541	21	-	33895923	33896002
TJU_CMC_MD2.ID02137.hairpin	25542	21	-	33984622	33984682
TJU_CMC_MD2.ID02139.hairpin	25543	21	+	34775544	34775607
TJU_CMC_MD2.ID02140.hairpin	25544	21	+	34924133	34924198
TJU_CMC_MD2.ID02141.hairpin	25545	21	+	34932251	34932307
TJU_CMC_MD2.ID02142.hairpin	25546	21	-	35446301	35446356
TJU_CMC_MD2.ID02143.hairpin	25547	21	+	36824272	36824334
TJU_CMC_MD2.ID02143.hairpin	25548	21	+	36824272	36824334
TJU_CMC_MD2.ID02144.hairpin	25549	21	+	37786513	37786582
TJU_CMC_MD2.ID02145.hairpin	25550	21	-	40685446	40685514
TJU_CMC_MD2.ID02146.hairpin	25551	21	+	40685837	40685888
TJU_CMC_MD2.ID02147.hairpin	25552	21	-	41935306	41935359
TJU_CMC_MD2.ID02148.hairpin	25553	21	+	43430568	43430625

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TJU_CMC_MD2.ID02149.hairpin	25554	21	+	43951237	43951287
TJU_CMC_MD2.ID02150.hairpin	25555	21	-	44846898	44846968
TJU_CMC_MD2.ID02151.hairpin	25556	21	-	44897657	44897722
TJU_CMC_MD2.ID02152.hairpin	25557	21	-	45209218	45209296
TJU_CMC_MD2.ID02153.hairpin	25558	21	+	45622834	45622889
TJU_CMC_MD2.ID02154.hairpin	25559	21	-	45660792	45660848
TJU_CMC_MD2.ID02155.hairpin	25560	21	-	45720417	45720477
TJU_CMC_MD2.ID02156.hairpin	25561	21	-	46293422	46293494
TJU_CMC_MD2.ID02157.hairpin	25562	21	+	46294047	46294130
TJU_CMC_MD2.ID02158.hairpin	25563	21	+	46421505	46421589
TJU_CMC_MD2.ID02159.hairpin	25564	21	+	46708241	46708317
TJU_CMC_MD2.ID02160.hairpin	25565	21	+	46890893	46890967
TJU_CMC_MD2.ID02161.hairpin	25566	21	+	47010334	47010383
TJU_CMC_MD2.ID02162.hairpin	25567	21	-	47581663	47581722
TJU_CMC_MD2.ID02163.hairpin	25568	21	-	48055239	48055325
TJU_CMC_MD2.ID02164.hairpin	25569	21	-	48081624	48081683
TJU_CMC_MD2.ID02165.hairpin	25570	22	+	17589525	17589581
TJU_CMC_MD2.ID02165.hairpin	25571	22	+	17589525	17589581
TJU_CMC_MD2.ID02166.hairpin	25572	22	-	17640059	17640130
TJU_CMC_MD2.ID02167.hairpin	25573	22	-	17850158	17850213
TJU_CMC_MD2.ID02169.hairpin	25574	22	-	18313788	18313850
TJU_CMC_MD2.ID02169.hairpin	25575	22	-	18313788	18313850
TJU_CMC_MD2.ID02170.hairpin	25576	22	+	19710338	19710404
TJU_CMC_MD2.ID02171.hairpin	25577	22	-	19711675	19711743
TJU_CMC_MD2.ID02172.hairpin	25578	22	-	19791676	19791731
TJU_CMC_MD2.ID02173.hairpin	25579	22	+	19945170	19945232
TJU_CMC_MD2.ID02174.hairpin	25580	22	+	20008690	20008773
TJU_CMC_MD2.ID02175.hairpin	25581	22	-	20012651	20012709
TJU_CMC_MD2.ID02177.hairpin	25582	22	+	20114020	20114070
TJU_CMC_MD2.ID02178.hairpin	25583	22	-	20307507	20307565
TJU_CMC_MD2.ID02179.hairpin	25584	22	-	20786275	20786326

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TJU_CMC_MD2.ID02180.hairpin	25585	22	-	20796014	20796082
TJU_CMC_MD2.ID02181.hairpin	25586	22	+	21185307	21185383
TJU_CMC_MD2.ID02182.hairpin	25587	22	-	21983633	21983692
TJU_CMC_MD2.ID02183.hairpin;ID=MI0005568;Alias=MI0005568;Name=hsa-mir-301b	25588	22	+	22007270	22007347
TJU_CMC_MD2.ID02184.hairpin	25589	22	+	24237143	24237227
TJU_CMC_MD2.ID02187.hairpin	25590	22	-	25960927	25960993
TJU_CMC_MD2.ID02189.hairpin	25591	22	+	29168795	29168871
TJU_CMC_MD2.ID02190.hairpin	25592	22	+	29279834	29279890
TJU_CMC_MD2.ID02191.hairpin	25593	22	+	29656795	29656860
TJU_CMC_MD2.ID02192.hairpin	25594	22	-	29702915	29702985
TJU_CMC_MD2.ID02193.hairpin	25595	22	-	29703290	29703350
TJU_CMC_MD2.ID02194.hairpin	25596	22	+	29876735	29876803
TJU_CMC_MD2.ID02195.hairpin	25597	22	-	30737877	30737945
TJU_CMC_MD2.ID02196.hairpin	25598	22	+	30821783	30821850
TJU_CMC_MD2.ID02197.hairpin	25599	22	-	31051951	31052026
TJU_CMC_MD2.ID02198.hairpin	25600	22	+	31284149	31284210
TJU_CMC_MD2.ID02199.hairpin	25601	22	-	31459496	31459555
TJU_CMC_MD2.ID02200.hairpin	25602	22	-	31501114	31501182
TJU_CMC_MD2.ID02201.hairpin	25603	22	+	31686951	31687020
TJU_CMC_MD2.ID02202.hairpin	25604	22	+	31742815	31742874
TJU_CMC_MD2.ID02203.hairpin	25605	22	-	32014193	32014282
TJU_CMC_MD2.ID02204.hairpin	25606	22	-	32146021	32146087
TJU_CMC_MD2.ID02205.hairpin	25607	22	+	34199986	34200071
TJU_CMC_MD2.ID02207.hairpin;ID=MI0016413;Alias=MI0016413;Name=hsa-mir-3909	25608	22	+	35731633	35731751
TJU_CMC_MD2.ID02209.hairpin	25609	22	+	36425114	36425170
TJU_CMC_MD2.ID02210.hairpin	25610	22	-	36783821	36783870
TJU_CMC_MD2.ID02211.hairpin	25611	22	+	36865421	36865487
TJU_CMC_MD2.ID02212.hairpin	25612	22	-	37639994	37640051

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TJU_CMC_MD2.ID02213.hairpin	25613	22	-	37881537	37881593
TJU_CMC_MD2.ID02214.hairpin	25614	22	+	37956450	37956527
TJU_CMC_MD2.ID02215.hairpin	25615	22	-	38036422	38036483
TJU_CMC_MD2.ID02216.hairpin	25616	22	+	38198626	38198688
TJU_CMC_MD2.ID02217.hairpin	25617	22	+	38577709	38577775
TJU_CMC_MD2.ID02219.hairpin	25618	22	-	39097031	39097106
TJU_CMC_MD2.ID02220.hairpin	25619	22	+	39570757	39570838
TJU_CMC_MD2.ID02221.hairpin	25620	22	+	39631409	39631478
TJU_CMC_MD2.ID02222.hairpin	25621	22	+	39853416	39853481
TJU_CMC_MD2.ID02223.hairpin	25622	22	-	40390802	40390857
TJU_CMC_MD2.ID02224.hairpin	25623	22	+	40706263	40706324
TJU_CMC_MD2.ID02224.hairpin	25624	22	+	40706263	40706324
TJU_CMC_MD2.ID02225.hairpin	25625	22	+	40766647	40766717
TJU_CMC_MD2.ID02226.hairpin	25626	22	+	40805398	40805467
TJU_CMC_MD2.ID02227.hairpin	25627	22	+	41048068	41048125
TJU_CMC_MD2.ID02228.hairpin	25628	22	+	41048572	41048641
TJU_CMC_MD2.ID02229.hairpin	25629	22	+	41488393	41488463
TJU_CMC_MD2.ID02230.hairpin	25630	22	+	41621158	41621217
TJU_CMC_MD2.ID02231.hairpin	25631	22	+	41633837	41633891
TJU_CMC_MD2.ID02232.hairpin	25632	22	+	41732170	41732224
TJU_CMC_MD2.ID02233.hairpin	25633	22	+	42305945	42306011
TJU_CMC_MD2.ID02234.hairpin	25634	22	+	42475743	42475806
TJU_CMC_MD2.ID02235.hairpin	25635	22	+	42739442	42739508
TJU_CMC_MD2.ID02236.hairpin	25636	22	+	43011319	43011396
TJU_CMC_MD2.ID02236.hairpin	25637	22	+	43011319	43011396
TJU_CMC_MD2.ID02237.hairpin	25638	22	-	43019894	43019949
TJU_CMC_MD2.ID02237.hairpin	25639	22	-	43019894	43019949
TJU_CMC_MD2.ID02238.hairpin	25640	22	+	43058685	43058749
TJU_CMC_MD2.ID02239.hairpin	25641	22	-	43547395	43547449
TJU_CMC_MD2.ID02240.hairpin	25642	22	+	43807840	43807926

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TJU_CMC_MD2.ID02242.hairpin	25643	22	-	45064305	45064357	
TJU_CMC_MD2.ID02243.hairpin;ID=MI0006384;Alia	25644	22	-	45596835	45596900	
s=MI0006384;Name=hsa-mir-1249						
TJU_CMC_MD2.ID02244.hairpin	25645	22	+	45872506	45872566	
TJU_CMC_MD2.ID02245.hairpin	25646	22	+	46068200	46068262	
TJU_CMC_MD2.ID02246.hairpin	25647	22	+	46323221	46323286	
TJU_CMC_MD2.ID02247.hairpin	25648	22	-	46546163	46546221	
TJU_CMC_MD2.ID02248.hairpin	25649	22	-	46684259	46684314	
TJU_CMC_MD2.ID02249.hairpin	25650	22	-	46873301	46873366	
TJU_CMC_MD2.ID02250.hairpin	25651	22	+	46932438	46932522	
TJU_CMC_MD2.ID02251.hairpin	25652	22	+	46973072	46973135	
TJU_CMC_MD2.ID02252.hairpin	25653	22	+	47167318	47167371	
TJU_CMC_MD2.ID02254.hairpin	25654	22	+	50221263	50221328	
TJU_CMC_MD2.ID02255.hairpin	25655	22	+	50242897	50242960	
TJU_CMC_MD2.ID02256.hairpin	25656	22	+	50247450	50247521	
TJU_CMC_MD2.ID02257.hairpin	25657	22	+	50312334	50312388	
TJU_CMC_MD2.ID02258.hairpin	25658	22	+	50330727	50330792	
TJU_CMC_MD2.ID02259.hairpin	25659	22	-	50353823	50353878	
TJU_CMC_MD2.ID02260.hairpin	25660	22	-	50608789	50608844	
TJU_CMC_MD2.ID02261.hairpin	25661	22	-	50684360	50684428	
TJU_CMC_MD2.ID02262.hairpin	25662	22	-	50744254	50744313	
TJU_CMC_MD2.ID02263.hairpin	25663	22	-	50747038	50747090	
TJU_CMC_MD2.ID02264.hairpin	25664	22	+	50757117	50757177	
TJU_CMC_MD2.ID02264.hairpin	25665	22	+	50757117	50757177	
TJU_CMC_MD2.ID02265.hairpin	25666	22	+	50845885	50845941	
TJU_CMC_MD2.ID02266.hairpin	25667	22	+	50904068	50904135	
TJU_CMC_MD2.ID02267.hairpin	25668	22	-	50943557	50943616	
TJU_CMC_MD2.ID02268.hairpin	25669	22	-	50970203	50970270	
TJU_CMC_MD2.ID02269.hairpin	25670	22	+	51113043	51113101	
TJU_CMC_MD2.ID02270.hairpin	25671	22	+	51169317	51169375	
TJU_CMC_MD2.ID02271.hairpin	25672	3	-	3168413	3168478	

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02272.hairpin	25673	3	+	3841168	3841247
TJU_CMC_MD2.ID02273.hairpin	25674	3	+	4879229	4879283
TJU_CMC_MD2.ID02274.hairpin	25675	3	+	5022158	5022209
TJU_CMC_MD2.ID02275.hairpin	25676	3	+	5164015	5164090
TJU_CMC_MD2.ID02276.hairpin	25677	3	+	5200790	5200852
TJU_CMC_MD2.ID02276.hairpin	25678	3	+	5200790	5200852
TJU_CMC_MD2.ID02277.hairpin	25679	3	-	7127768	7127823
TJU_CMC_MD2.ID02277.hairpin	25680	3	-	7127768	7127823
TJU_CMC_MD2.ID02278.hairpin	25681	3	+	9439318	9439405
TJU_CMC_MD2.ID02279.hairpin	25682	3	-	9803220	9803290
TJU_CMC_MD2.ID02280.hairpin	25683	3	-	9811463	9811580
TJU_CMC_MD2.ID02280.hairpin	25684	3	-	9811463	9811580
TJU_CMC_MD2.ID02281.hairpin	25685	3	+	9834800	9834861
TJU_CMC_MD2.ID02284.hairpin	25686	3	+	9933561	9933617
TJU_CMC_MD2.ID02285.hairpin	25687	3	-	12994521	12994585
TJU_CMC_MD2.ID02286.hairpin	25688	3	-	13035444	13035533
TJU_CMC_MD2.ID02287.hairpin	25689	3	-	13324667	13324721
TJU_CMC_MD2.ID02288.hairpin	25690	3	-	13363035	13363115
TJU_CMC_MD2.ID02289.hairpin	25691	3	-	14797640	14797702
TJU_CMC_MD2.ID02289.hairpin	25692	3	-	14797640	14797702
TJU_CMC_MD2.ID02290.hairpin	25693	3	+	14797645	14797710
TJU_CMC_MD2.ID02290.hairpin	25694	3	+	14797645	14797710
TJU_CMC_MD2.ID02291.hairpin	25695	3	-	15124088	15124147
TJU_CMC_MD2.ID02291.hairpin	25696	3	-	15124088	15124147
TJU_CMC_MD2.ID02292.hairpin	25697	3	+	16555127	16555217
TJU_CMC_MD2.ID02293.hairpin	25698	3	-	17783607	17783672
TJU_CMC_MD2.ID02294.hairpin	25699	3	+	20081688	20081763

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TJU_CMC_MD2.ID02295.hairpin	25700	3	-	23958364	23958414
TJU_CMC_MD2.ID02295.hairpin	25701	3	-	23958364	23958414
TJU_CMC_MD2.ID02296.hairpin	25702	3	-	24536754	24536804
TJU_CMC_MD2.ID02297.hairpin	25703	3	-	25705933	25706009
TJU_CMC_MD2.ID02298.hairpin	25704	3	-	27314020	27314077
TJU_CMC_MD2.ID02299.hairpin;ID=MI0014157;Alia s=MI0014157;Name=hsa-mir-466	25705	3	-	31203196	31203279
TJU_CMC_MD2.ID02300.hairpin	25706	3	+	32544260	32544327
TJU_CMC_MD2.ID02301.hairpin	25707	3	+	33155602	33155664
TJU_CMC_MD2.ID02302.hairpin	25708	3	+	38064381	38064460
TJU_CMC_MD2.ID02303.hairpin	25709	3	+	38367136	38367196
TJU_CMC_MD2.ID02304.hairpin	25710	3	-	39306377	39306437
TJU_CMC_MD2.ID02305.hairpin	25711	3	+	40003055	40003116
TJU_CMC_MD2.ID02306.hairpin	25712	3	-	40730993	40731061
TJU_CMC_MD2.ID02307.hairpin	25713	3	-	41013847	41013912
TJU_CMC_MD2.ID02308.hairpin	25714	3	-	41240641	41240702
TJU_CMC_MD2.ID02309.hairpin	25715	3	+	41241328	41241388
TJU_CMC_MD2.ID02310.hairpin	25716	3	+	42695987	42696039
TJU_CMC_MD2.ID02311.hairpin	25717	3	-	43663355	43663414
TJU_CMC_MD2.ID02312.hairpin	25718	3	-	44620788	44620873
TJU_CMC_MD2.ID02313.hairpin	25719	3	+	44666831	44666888
TJU_CMC_MD2.ID02314.hairpin	25720	3	-	44970315	44970376
TJU_CMC_MD2.ID02315.hairpin	25721	3	-	44997789	44997844
TJU_CMC_MD2.ID02316.hairpin	25722	3	+	45159564	45159634
TJU_CMC_MD2.ID02317.hairpin	25723	3	-	45267234	45267320
TJU_CMC_MD2.ID02318.hairpin	25724	3	+	45720138	45720197
TJU_CMC_MD2.ID02319.hairpin	25725	3	-	45971952	45972011
TJU_CMC_MD2.ID02320.hairpin	25726	3	+	47043784	47043861
TJU_CMC_MD2.ID02321.hairpin	25727	3	-	48462037	48462112
TJU_CMC_MD2.ID02322.hairpin	25728	3	-	48643070	48643150
TJU_CMC_MD2.ID02323.hairpin	25729	3	-	48672838	48672891

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TJU_CMC_MD2.ID02324.hairpin	25730	3	-	48717662	48717715
TJU_CMC_MD2.ID02325.hairpin	25731	3	+	49058066	49058130
TJU_CMC_MD2.ID02325.hairpin	25732	3	+	49058066	49058130
TJU_CMC_MD2.ID02326.hairpin	25733	3	+	49377609	49377672
TJU_CMC_MD2.ID02327.hairpin	25734	3	-	49823862	49823949
TJU_CMC_MD2.ID02328.hairpin;ID=MI0018172;Alias=MI0018172;Name=hsa-mir-5193	25735	3	-	49843570	49843678
TJU_CMC_MD2.ID02329.hairpin	25736	3	+	49843597	49843660
TJU_CMC_MD2.ID02330.hairpin	25737	3	-	49928755	49928808
TJU_CMC_MD2.ID02331.hairpin	25738	3	-	50336294	50336344
TJU_CMC_MD2.ID02332.hairpin	25739	3	-	50395987	50396074
TJU_CMC_MD2.ID02333.hairpin	25740	3	+	50426586	50426647
TJU_CMC_MD2.ID02334.hairpin	25741	3	-	50605066	50605130
TJU_CMC_MD2.ID02335.hairpin	25742	3	-	50686388	50686454
TJU_CMC_MD2.ID02336.hairpin	25743	3	+	51229396	51229452
TJU_CMC_MD2.ID02337.hairpin	25744	3	+	52091544	52091596
TJU_CMC_MD2.ID02338.hairpin	25745	3	+	52427970	52428030
TJU_CMC_MD2.ID02338.hairpin	25746	3	+	52427970	52428030
TJU_CMC_MD2.ID02339.hairpin	25747	3	-	52478977	52479065
TJU_CMC_MD2.ID02340.hairpin	25748	3	+	52525312	52525365
TJU_CMC_MD2.ID02342.hairpin	25749	3	-	52567473	52567543
TJU_CMC_MD2.ID02343.hairpin	25750	3	-	52715085	52715142
TJU_CMC_MD2.ID02344.hairpin	25751	3	-	53080371	53080445
TJU_CMC_MD2.ID02345.hairpin	25752	3	+	53222662	53222736
TJU_CMC_MD2.ID02346.hairpin	25753	3	-	53365961	53366020
TJU_CMC_MD2.ID02348.hairpin	25754	3	-	56795231	56795287
TJU_CMC_MD2.ID02348.hairpin	25755	3	-	56795231	56795287
TJU_CMC_MD2.ID02349.hairpin	25756	3	-	57113282	57113334
TJU_CMC_MD2.ID02350.hairpin	25757	3	+	57678786	57678838
TJU_CMC_MD2.ID02351.hairpin	25758	3	-	58272436	58272523
TJU_CMC_MD2.ID02352.hairpin	25759	3	-	58553091	58553149

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TJU_CMC_MD2.ID02353.hairpin	25760	3	-	65163327	65163384
TJU_CMC_MD2.ID02354.hairpin;ID=MI0006431;Alia s=MI0006431;Name=hsa-mir-1284	25761	3	-	71591121	71591240
TJU_CMC_MD2.ID02355.hairpin	25762	3	-	71770399	71770454
TJU_CMC_MD2.ID02355.hairpin	25763	3	-	71770399	71770454
TJU_CMC_MD2.ID02356.hairpin	25764	3	-	74663812	74663898
TJU_CMC_MD2.ID02357.hairpin	25765	3	+	93692642	93692693
TJU_CMC_MD2.ID02358.hairpin	25766	3	+	94659133	94659198
TJU_CMC_MD2.ID02359.hairpin	25767	3	+	96802933	96802992
TJU_CMC_MD2.ID02360.hairpin	25768	3	+	97596517	97596576
TJU_CMC_MD2.ID02361.hairpin	25769	3	-	98312152	98312240
TJU_CMC_MD2.ID02362.hairpin	25770	3	+	99980057	99980124
TJU_CMC_MD2.ID02363.hairpin	25771	3	+	101568381	101568434
TJU_CMC_MD2.ID02366.hairpin	25772	3	+	112280523	112280613
TJU_CMC_MD2.ID02368.hairpin	25773	3	+	113415181	113415252
TJU_CMC_MD2.ID02369.hairpin	25774	3	+	114024856	114024912
TJU_CMC_MD2.ID02370.hairpin	25775	3	+	114865836	114865905
TJU_CMC_MD2.ID02371.hairpin	25776	3	-	117116350	117116419
TJU_CMC_MD2.ID02372.hairpin	25777	3	+	119187957	119188011
TJU_CMC_MD2.ID02373.hairpin;ID=MI0019282;Alia s=MI0019282;Name=hsa-mir-5682	25778	3	+	120768487	120768562
TJU_CMC_MD2.ID02374.hairpin	25779	3	+	121466168	121466235
TJU_CMC_MD2.ID02375.hairpin	25780	3	+	122399693	122399743
TJU_CMC_MD2.ID02376.hairpin	25781	3	-	122692548	122692608
TJU_CMC_MD2.ID02376.hairpin	25782	3	-	122692548	122692608
TJU_CMC_MD2.ID02378.hairpin	25783	3	-	123135512	123135591
TJU_CMC_MD2.ID02379.hairpin	25784	3	+	123811946	123812009
TJU_CMC_MD2.ID02380.hairpin;ID=MI0014159;Alia s=MI0014159;Name=hsa-mir-544b	25785	3	+	124451286	124451363

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TJU_CMC_MD2.ID02381.hairpin	25786	3	-	124605439	124605505
TJU_CMC_MD2.ID02382.hairpin	25787	3	+	124774819	124774869
TJU_CMC_MD2.ID02383.hairpin	25788	3	+	124777746	124777805
TJU_CMC_MD2.ID02384.hairpin;ID=MI0017981;Alias=MI0017981;Name=hsa-mir-5092	25789	3	-	124870309	124870396
TJU_CMC_MD2.ID02385.hairpin	25790	3	+	125846517	125846602
TJU_CMC_MD2.ID02386.hairpin	25791	3	+	125985992	125986069
TJU_CMC_MD2.ID02387.hairpin	25792	3	-	126403891	126403958
TJU_CMC_MD2.ID02388.hairpin	25793	3	+	126423249	126423302
TJU_CMC_MD2.ID02391.hairpin	25794	3	-	128200785	128200858
TJU_CMC_MD2.ID02392.hairpin	25795	3	-	128205919	128205984
TJU_CMC_MD2.ID02393.hairpin	25796	3	+	128274479	128274538
TJU_CMC_MD2.ID02394.hairpin	25797	3	+	128543409	128543460
TJU_CMC_MD2.ID02395.hairpin	25798	3	-	128735316	128735399
TJU_CMC_MD2.ID02396.hairpin	25799	3	+	128735318	128735401
TJU_CMC_MD2.ID02396.hairpin	25800	3	+	128735318	128735401
TJU_CMC_MD2.ID02397.hairpin	25801	3	-	129034231	129034300
TJU_CMC_MD2.ID02398.hairpin	25802	3	+	129324449	129324525
TJU_CMC_MD2.ID02399.hairpin	25803	3	-	129324821	129324872
TJU_CMC_MD2.ID02400.hairpin	25804	3	+	130612917	130612989
TJU_CMC_MD2.ID02401.hairpin	25805	3	+	130745702	130745761
TJU_CMC_MD2.ID02402.hairpin;ID=MI0019312;Alias=MI0019312;Name=hsa-mir-5704	25806	3	-	131704699	131704775
TJU_CMC_MD2.ID02403.hairpin	25807	3	-	135150220	135150271
TJU_CMC_MD2.ID02404.hairpin	25808	3	+	138553876	138553942
TJU_CMC_MD2.ID02405.hairpin	25809	3	+	139027864	139027920
TJU_CMC_MD2.ID02406.hairpin	25810	3	+	141098320	141098371
TJU_CMC_MD2.ID02407.hairpin	25811	3	+	141944500	141944560
TJU_CMC_MD2.ID02408.hairpin	25812	3	-	142802225	142802291
TJU_CMC_MD2.ID02409.hairpin	25813	3	+	142802227	142802293
TJU_CMC_MD2.ID02410.hairpin	25814	3	-	143136936	143136992

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TJU_CMC_MD2.ID02410.hairpin	25815	3	-	143136936	143136992
TJU_CMC_MD2.ID02411.hairpin	25816	3	-	143501965	143502022
TJU_CMC_MD2.ID02411.hairpin	25817	3	-	143501965	143502022
TJU_CMC_MD2.ID02413.hairpin	25818	3	-	148815915	148815975
TJU_CMC_MD2.ID02414.hairpin	25819	3	-	149375551	149375604
TJU_CMC_MD2.ID02415.hairpin	25820	3	-	149626232	149626293
TJU_CMC_MD2.ID02416.hairpin	25821	3	-	150264030	150264106
TJU_CMC_MD2.ID02417.hairpin	25822	3	+	151126970	151127026
TJU_CMC_MD2.ID02418.hairpin	25823	3	-	156877903	156877961
TJU_CMC_MD2.ID02420.hairpin;ID=MI0016425;Alia s=MI0016425;Name=hsa-mir-3919	25824	3	+	159000435	159000523
TJU_CMC_MD2.ID02421.hairpin	25825	3	-	159900419	159900484
TJU_CMC_MD2.ID02422.hairpin	25826	3	+	159900422	159900486
TJU_CMC_MD2.ID02422.hairpin	25827	3	+	159900422	159900486
TJU_CMC_MD2.ID02423.hairpin	25828	3	+	159944063	159944120
TJU_CMC_MD2.ID02424.hairpin	25829	3	-	161361809	161361880
TJU_CMC_MD2.ID02425.hairpin	25830	3	+	161558566	161558655
TJU_CMC_MD2.ID02426.hairpin	25831	3	-	162482781	162482833
TJU_CMC_MD2.ID02427.hairpin;ID=MI0006398;Alia s=MI0006398;Name=hsa-mir-1263	25832	3	-	163889259	163889344
TJU_CMC_MD2.ID02428.hairpin	25833	3	+	169380739	169380788
TJU_CMC_MD2.ID02429.hairpin	25834	3	+	178789643	178789700
TJU_CMC_MD2.ID02430.hairpin	25835	3	+	178866266	178866321
TJU_CMC_MD2.ID02431.hairpin	25836	3	+	179065665	179065715
TJU_CMC_MD2.ID02432.hairpin	25837	3	-	183536839	183536902
TJU_CMC_MD2.ID02433.hairpin	25838	3	+	183948561	183948645
TJU_CMC_MD2.ID02434.hairpin	25839	3	+	184017047	184017112
TJU_CMC_MD2.ID02434.hairpin	25840	3	+	184017047	184017112
TJU_CMC_MD2.ID02435.hairpin	25841	3	-	184429758	184429839
TJU_CMC_MD2.ID02436.hairpin	25842	3	+	186545427	186545481
TJU_CMC_MD2.ID02437.hairpin	25843	3	+	186793296	186793345

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TJU_CMC_MD2.ID02438.hairpin;ID=MI0005769;Alias=MI0005769;Name=hsa-mir-944	25844	3	+	189547711	189547798
TJU_CMC_MD2.ID02439.hairpin	25845	3	-	189547724	189547783
TJU_CMC_MD2.ID02440.hairpin	25846	3	+	189900521	189900589
TJU_CMC_MD2.ID02442.hairpin	25847	3	+	194407588	194407669
TJU_CMC_MD2.ID02443.hairpin	25848	3	+	194750233	194750319
TJU_CMC_MD2.ID02444.hairpin	25849	3	+	195459965	195460021
TJU_CMC_MD2.ID02445.hairpin	25850	3	-	195603603	195603671
TJU_CMC_MD2.ID02446.hairpin	25851	3	-	195627480	195627534
TJU_CMC_MD2.ID02447.hairpin	25852	3	-	195808889	195808940
TJU_CMC_MD2.ID02448.hairpin	25853	3	+	196045283	196045362
TJU_CMC_MD2.ID02449.hairpin	25854	3	+	196594760	196594831
TJU_CMC_MD2.ID02450.hairpin	25855	3	-	196695728	196695796
TJU_CMC_MD2.ID02451.hairpin	25856	3	+	197476772	197476830
TJU_CMC_MD2.ID02452.hairpin	25857	3	+	197518078	197518154
TJU_CMC_MD2.ID02453.hairpin	25858	3	-	197750689	197750745
TJU_CMC_MD2.ID02453.hairpin	25859	3	-	197750689	197750745
TJU_CMC_MD2.ID02455.hairpin	25860	4	-	570113	570174
TJU_CMC_MD2.ID02456.hairpin	25861	4	+	1005653	1005713
TJU_CMC_MD2.ID02457.hairpin	25862	4	-	1006330	1006390
TJU_CMC_MD2.ID02458.hairpin	25863	4	-	1242101	1242162
TJU_CMC_MD2.ID02459.hairpin	25864	4	+	1506945	1506994
TJU_CMC_MD2.ID02460.hairpin	25865	4	-	1554114	1554165
TJU_CMC_MD2.ID02461.hairpin	25866	4	-	1581536	1581598
TJU_CMC_MD2.ID02462.hairpin	25867	4	-	1613112	1613173
TJU_CMC_MD2.ID02463.hairpin	25868	4	-	1713718	1713786
TJU_CMC_MD2.ID02464.hairpin	25869	4	-	1714176	1714240
TJU_CMC_MD2.ID02465.hairpin	25870	4	+	1737218	1737288
TJU_CMC_MD2.ID02466.hairpin	25871	4	-	1799887	1799963
TJU_CMC_MD2.ID02467.hairpin	25872	4	+	1858069	1858145
TJU_CMC_MD2.ID02468.hairpin	25873	4	-	2252054	2252124

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02469.hairpin	25874	4	-	2464256	2464309
TJU_CMC_MD2.ID02470.hairpin	25875	4	-	2537986	2538061
TJU_CMC_MD2.ID02471.hairpin	25876	4	-	2758020	2758086
TJU_CMC_MD2.ID02472.hairpin	25877	4	+	2796983	2797042
TJU_CMC_MD2.ID02473.hairpin	25878	4	-	2845382	2845440
TJU_CMC_MD2.ID02474.hairpin	25879	4	-	2945614	2945674
TJU_CMC_MD2.ID02476.hairpin	25880	4	-	4471376	4471434
TJU_CMC_MD2.ID02477.hairpin	25881	4	+	6474335	6474402
TJU_CMC_MD2.ID02478.hairpin	25882	4	+	6576928	6576992
TJU_CMC_MD2.ID02479.hairpin	25883	4	-	6660388	6660467
TJU_CMC_MD2.ID02480.hairpin	25884	4	+	6717918	6717998
TJU_CMC_MD2.ID02481.hairpin	25885	4	+	6785497	6785568
TJU_CMC_MD2.ID02482.hairpin	25886	4	+	7105591	7105654
TJU_CMC_MD2.ID02483.hairpin	25887	4	-	7194872	7194925
TJU_CMC_MD2.ID02484.hairpin	25888	4	-	7728904	7728964
TJU_CMC_MD2.ID02485.hairpin	25889	4	-	7739972	7740021
TJU_CMC_MD2.ID02486.hairpin	25890	4	-	8024208	8024282
TJU_CMC_MD2.ID02487.hairpin	25891	4	-	8271479	8271544
TJU_CMC_MD2.ID02489.hairpin	25892	4	+	9747341	9747418
TJU_CMC_MD2.ID02490.hairpin;ID=MI0014161;Alia s=MI0014161;Name=hsa-mir-3138	25893	4	-	10080235	10080316
TJU_CMC_MD2.ID02491.hairpin	25894	4	-	14410310	14410375
TJU_CMC_MD2.ID02491.hairpin	25895	4	-	14410310	14410375
TJU_CMC_MD2.ID02492.hairpin	25896	4	+	15004617	15004679
TJU_CMC_MD2.ID02493.hairpin	25897	4	+	16228256	16228322
TJU_CMC_MD2.ID02494.hairpin	25898	4	-	16228270	16228334
TJU_CMC_MD2.ID02496.hairpin	25899	4	+	17644661	17644716
TJU_CMC_MD2.ID02498.hairpin	25900	4	-	25035179	25035242
TJU_CMC_MD2.ID02499.hairpin	25901	4	-	25235546	25235620
TJU_CMC_MD2.ID02500.hairpin	25902	4	+	25378835	25378921

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02501.hairpin	25903	4	+	26322411	26322474
TJU_CMC_MD2.ID02502.hairpin	25904	4	+	26862426	26862497
TJU_CMC_MD2.ID02503.hairpin	25905	4	-	37246283	37246364
TJU_CMC_MD2.ID02504.hairpin	25906	4	+	37828445	37828517
TJU_CMC_MD2.ID02505.hairpin	25907	4	+	37893021	37893095
TJU_CMC_MD2.ID02506.hairpin	25908	4	-	38326761	38326833
TJU_CMC_MD2.ID02507.hairpin	25909	4	+	38725990	38726050
TJU_CMC_MD2.ID02509.hairpin	25910	4	-	40057694	40057745
TJU_CMC_MD2.ID02510.hairpin	25911	4	-	40232146	40232200
TJU_CMC_MD2.ID02510.hairpin	25912	4	-	40232146	40232200
TJU_CMC_MD2.ID02511.hairpin	25913	4	+	40232148	40232202
TJU_CMC_MD2.ID02512.hairpin	25914	4	+	42659707	42659778
TJU_CMC_MD2.ID02513.hairpin	25915	4	-	46090766	46090823
TJU_CMC_MD2.ID02515.hairpin	25916	4	+	48222141	48222202
TJU_CMC_MD2.ID02516.hairpin	25917	4	+	48343474	48343563
TJU_CMC_MD2.ID02517.hairpin	25918	4	+	48425653	48425710
TJU_CMC_MD2.ID02518.hairpin	25919	4	-	48781512	48781571
TJU_CMC_MD2.ID02519.hairpin	25920	4	+	52807523	52807579
TJU_CMC_MD2.ID02520.hairpin	25921	4	+	53528579	53528663
TJU_CMC_MD2.ID02521.hairpin	25922	4	+	55498798	55498861
TJU_CMC_MD2.ID02522.hairpin	25923	4	+	57333771	57333828
TJU_CMC_MD2.ID02523.hairpin	25924	4	+	58030369	58030435
TJU_CMC_MD2.ID02524.hairpin	25925	4	-	66008090	66008168
TJU_CMC_MD2.ID02525.hairpin;ID=MI0006406;Alias=MI0006406;Name=hsa-mir-1269a	25926	4	+	67142542	67142646
TJU_CMC_MD2.ID02526.hairpin	25927	4	-	69210012	69210084
TJU_CMC_MD2.ID02527.hairpin	25928	4	+	70538661	70538724
TJU_CMC_MD2.ID02528.hairpin	25929	4	-	71522164	71522215
TJU_CMC_MD2.ID02528.hairpin	25930	4	-	71522164	71522215
TJU_CMC_MD2.ID02529.hairpin	25931	4	+	71554272	71554325

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02530.hairpin	25932	4	-	71705510	71705580
TJU_CMC_MD2.ID02531.hairpin	25933	4	-	74486077	74486131
TJU_CMC_MD2.ID02532.hairpin	25934	4	+	74965782	74965840
TJU_CMC_MD2.ID02533.hairpin	25935	4	+	75858294	75858352
TJU_CMC_MD2.ID02534.hairpin	25936	4	-	76862102	76862159
TJU_CMC_MD2.ID02537.hairpin	25937	4	-	77996553	77996605
TJU_CMC_MD2.ID02538.hairpin	25938	4	+	79697672	79697746
TJU_CMC_MD2.ID02539.hairpin	25939	4	-	79860507	79860581
TJU_CMC_MD2.ID02540.hairpin	25940	4	-	79877555	79877619
TJU_CMC_MD2.ID02541.hairpin	25941	4	+	81124400	81124457
TJU_CMC_MD2.ID02542.hairpin	25942	4	+	81952353	81952432
TJU_CMC_MD2.ID02543.hairpin	25943	4	+	83295478	83295534
TJU_CMC_MD2.ID02544.hairpin	25944	4	-	84205850	84205924
TJU_CMC_MD2.ID02545.hairpin	25945	4	-	86594813	86594872
TJU_CMC_MD2.ID02545.hairpin	25946	4	-	86594813	86594872
TJU_CMC_MD2.ID02546.hairpin	25947	4	+	86594817	86594872
TJU_CMC_MD2.ID02547.hairpin	25948	4	-	87927934	87928014
TJU_CMC_MD2.ID02548.hairpin	25949	4	+	88565829	88565893
TJU_CMC_MD2.ID02549.hairpin	25950	4	+	94280887	94280942
TJU_CMC_MD2.ID02550.hairpin	25951	4	-	98675854	98675924
TJU_CMC_MD2.ID02551.hairpin;ID=MI0006389;Alia s=MI0006389;Name=hsa-mir-1255a	25952	4	-	102251459	102251571
TJU_CMC_MD2.ID02552.hairpin	25953	4	+	103422561	103422622
TJU_CMC_MD2.ID02553.hairpin	25954	4	-	103748574	103748633
TJU_CMC_MD2.ID02554.hairpin	25955	4	+	103790449	103790518
TJU_CMC_MD2.ID02556.hairpin	25956	4	-	105885422	105885484
TJU_CMC_MD2.ID02556.hairpin	25957	4	-	105885422	105885484
TJU_CMC_MD2.ID02557.hairpin	25958	4	-	110354786	110354844
TJU_CMC_MD2.ID02558.hairpin	25959	4	+	113208453	113208536
TJU_CMC_MD2.ID02560.hairpin;ID=MI0003584;Alia s=MI0003584;Name=hsa-mir-577	25960	4	+	115577915	115578010

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02561.hairpin	25961	4	+	118198007	118198086
TJU_CMC_MD2.ID02562.hairpin	25962	4	+	125634148	125634206
TJU_CMC_MD2.ID02564.hairpin	25963	4	-	129732790	129732843
TJU_CMC_MD2.ID02566.hairpin	25964	4	+	139956309	139956389
TJU_CMC_MD2.ID02567.hairpin	25965	4	+	140657006	140657079
TJU_CMC_MD2.ID02568.hairpin	25966	4	-	141072163	141072230
TJU_CMC_MD2.ID02570.hairpin	25967	4	-	142557607	142557671
TJU_CMC_MD2.ID02571.hairpin	25968	4	-	143768298	143768352
TJU_CMC_MD2.ID02572.hairpin	25969	4	+	146540582	146540638
TJU_CMC_MD2.ID02573.hairpin;ID=MI0025519;Alias=MI0025519;Name=hsa-mir-7849	25970	4	+	147329735	147329840
TJU_CMC_MD2.ID02574.hairpin	25971	4	+	149365883	149365951
TJU_CMC_MD2.ID02575.hairpin	25972	4	+	149876524	149876575
TJU_CMC_MD2.ID02576.hairpin	25973	4	+	154095342	154095403
TJU_CMC_MD2.ID02577.hairpin	25974	4	-	156681267	156681321
TJU_CMC_MD2.ID02578.hairpin	25975	4	-	166594744	166594809
TJU_CMC_MD2.ID02579.hairpin	25976	4	-	173993840	173993909
TJU_CMC_MD2.ID02579.hairpin	25977	4	-	173993840	173993909
TJU_CMC_MD2.ID02580.hairpin	25978	4	+	173993842	173993914
TJU_CMC_MD2.ID02581.hairpin	25979	4	+	174091315	174091369
TJU_CMC_MD2.ID02582.hairpin	25980	4	+	182243298	182243353
TJU_CMC_MD2.ID02583.hairpin	25981	4	-	184426557	184426616
TJU_CMC_MD2.ID02584.hairpin	25982	4	+	184426558	184426617
TJU_CMC_MD2.ID02585.hairpin	25983	4	+	184718496	184718546
TJU_CMC_MD2.ID02586.hairpin	25984	4	+	185747294	185747354
TJU_CMC_MD2.ID02587.hairpin;ID=MI0016602;Alias=MI0016602;Name=hsa-mir-3945	25985	4	-	185772167	185772264
TJU_CMC_MD2.ID02588.hairpin	25986	4	+	185939263	185939338
TJU_CMC_MD2.ID02589.hairpin	25987	4	+	187026083	187026137
TJU_CMC_MD2.ID02590.hairpin	25988	4	-	187541585	187541646
TJU_CMC_MD2.ID02591.hairpin	25989	4	-	190861743	190861818

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TJU_CMC_MD2.ID02592.hairpin	25990	5	+	53720	53797
TJU_CMC_MD2.ID02593.hairpin	25991	5	+	271780	271842
TJU_CMC_MD2.ID02594.hairpin	25992	5	-	473017	473074
TJU_CMC_MD2.ID02595.hairpin	25993	5	-	473162	473224
TJU_CMC_MD2.ID02596.hairpin	25994	5	-	476883	476936
TJU_CMC_MD2.ID02597.hairpin	25995	5	+	612451	612505
TJU_CMC_MD2.ID02598.hairpin	25996	5	-	1064411	1064496
TJU_CMC_MD2.ID02599.hairpin	25997	5	-	1111308	1111358
TJU_CMC_MD2.ID02600.hairpin	25998	5	-	1112125	1112195
TJU_CMC_MD2.ID02601.hairpin	25999	5	+	1882645	1882720
TJU_CMC_MD2.ID02602.hairpin	26000	5	-	2640717	2640767
TJU_CMC_MD2.ID02603.hairpin	26001	5	-	3595761	3595815
TJU_CMC_MD2.ID02604.hairpin	26002	5	-	5066637	5066703
TJU_CMC_MD2.ID02604.hairpin	26003	5	-	5066637	5066703
TJU_CMC_MD2.ID02605.hairpin;ID=MI0017263;Alia s=MI0017263;Name=hsa-mir-4636	26004	5	-	9053928	9054007
TJU_CMC_MD2.ID02606.hairpin	26005	5	+	10402475	10402541
TJU_CMC_MD2.ID02607.hairpin	26006	5	-	10528124	10528187
TJU_CMC_MD2.ID02608.hairpin	26007	5	+	10564483	10564551
TJU_CMC_MD2.ID02609.hairpin	26008	5	-	13654994	13655048
TJU_CMC_MD2.ID02610.hairpin	26009	5	+	14144835	14144901
TJU_CMC_MD2.ID02611.hairpin	26010	5	-	14487658	14487721
TJU_CMC_MD2.ID02612.hairpin	26011	5	-	15394795	15394878
TJU_CMC_MD2.ID02613.hairpin	26012	5	+	23645478	23645540
TJU_CMC_MD2.ID02616.hairpin	26013	5	-	31515531	31515592
TJU_CMC_MD2.ID02617.hairpin	26014	5	-	32274708	32274769
TJU_CMC_MD2.ID02618.hairpin	26015	5	-	32415128	32415210
TJU_CMC_MD2.ID02621.hairpin	26016	5	+	34655674	34655728
TJU_CMC_MD2.ID02622.hairpin	26017	5	-	35128383	35128442
TJU_CMC_MD2.ID02623.hairpin	26018	5	-	35230245	35230316
TJU_CMC_MD2.ID02624.hairpin	26019	5	-	36241256	36241335

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02625.hairpin	26020	5	-	36876704	36876756
TJU_CMC_MD2.ID02626.hairpin	26021	5	-	36876974	36877056
TJU_CMC_MD2.ID02627.hairpin	26022	5	+	43495453	43495516
TJU_CMC_MD2.ID02628.hairpin	26023	5	+	43603394	43603447
TJU_CMC_MD2.ID02629.hairpin	26024	5	+	43604168	43604223
TJU_CMC_MD2.ID02629.hairpin	26025	5	+	43604168	43604223
TJU_CMC_MD2.ID02630.hairpin	26026	5	-	49962403	49962452
TJU_CMC_MD2.ID02631.hairpin	26027	5	+	49962487	49962566
TJU_CMC_MD2.ID02632.hairpin	26028	5	-	50679005	50679083
TJU_CMC_MD2.ID02633.hairpin;ID=MI0001648;Alias=MI0001648;Name=hsa-mir-449a	26029	5	-	54466360	54466450
TJU_CMC_MD2.ID02634.hairpin	26030	5	-	56111000	56111067
TJU_CMC_MD2.ID02635.hairpin	26031	5	-	56205448	56205503
TJU_CMC_MD2.ID02636.hairpin	26032	5	-	56469245	56469315
TJU_CMC_MD2.ID02638.hairpin	26033	5	+	64357638	64357705
TJU_CMC_MD2.ID02638.hairpin	26034	5	+	64357638	64357705
TJU_CMC_MD2.ID02639.hairpin	26035	5	+	65220927	65221000
TJU_CMC_MD2.ID02640.hairpin	26036	5	+	65221014	65221066
TJU_CMC_MD2.ID02642.hairpin	26037	5	+	66877264	66877334
TJU_CMC_MD2.ID02642.hairpin	26038	5	+	66877264	66877334
TJU_CMC_MD2.ID02643.hairpin	26039	5	+	67511370	67511431
TJU_CMC_MD2.ID02644.hairpin	26040	5	+	68665667	68665732
TJU_CMC_MD2.ID02645.hairpin	26041	5	+	70918612	70918673
TJU_CMC_MD2.ID02646.hairpin	26042	5	+	72143964	72144028
TJU_CMC_MD2.ID02648.hairpin	26043	5	+	72252066	72252115
TJU_CMC_MD2.ID02649.hairpin	26044	5	+	72715599	72715659
TJU_CMC_MD2.ID02650.hairpin	26045	5	+	76012070	76012125
TJU_CMC_MD2.ID02651.hairpin	26046	5	-	77808181	77808239
TJU_CMC_MD2.ID02652.hairpin	26047	5	-	78809856	78809912
TJU_CMC_MD2.ID02653.hairpin	26048	5	-	79950757	79950824
TJU_CMC_MD2.ID02654.hairpin	26049	5	-	80640875	80640950

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02655.hairpin	26050	5	-	81267695	81267749
TJU_CMC_MD2.ID02657.hairpin	26051	5	+	85749670	85749722
TJU_CMC_MD2.ID02658.hairpin	26052	5	+	86298930	86298997
TJU_CMC_MD2.ID02659.hairpin	26053	5	-	86479451	86479527
TJU_CMC_MD2.ID02660.hairpin	26054	5	-	87438305	87438361
TJU_CMC_MD2.ID02661.hairpin	26055	5	+	87970097	87970174
TJU_CMC_MD2.ID02662.hairpin	26056	5	+	92916207	92916267
TJU_CMC_MD2.ID02664.hairpin	26057	5	+	96143161	96143219
TJU_CMC_MD2.ID02665.hairpin	26058	5	+	96271783	96271842
TJU_CMC_MD2.ID02666.hairpin	26059	5	-	98250861	98250912
TJU_CMC_MD2.ID02667.hairpin;ID=MI0006420;Alia s=MI0006420;Name=hsa-mir-548p	26060	5	-	100152186	100152269
TJU_CMC_MD2.ID02668.hairpin	26061	5	-	107060402	107060472
TJU_CMC_MD2.ID02669.hairpin	26062	5	-	108001297	108001353
TJU_CMC_MD2.ID02670.hairpin	26063	5	-	108084336	108084387
TJU_CMC_MD2.ID02670.hairpin	26064	5	-	108084336	108084387
TJU_CMC_MD2.ID02672.hairpin	26065	5	-	111701704	111701758
TJU_CMC_MD2.ID02673.hairpin	26066	5	-	112824180	112824229
TJU_CMC_MD2.ID02675.hairpin	26067	5	+	118553644	118553725
TJU_CMC_MD2.ID02677.hairpin	26068	5	+	118665485	118665548
TJU_CMC_MD2.ID02678.hairpin	26069	5	+	122110717	122110772
TJU_CMC_MD2.ID02679.hairpin	26070	5	+	122181243	122181298
TJU_CMC_MD2.ID02680.hairpin	26071	5	+	125759116	125759170
TJU_CMC_MD2.ID02681.hairpin	26072	5	+	126565148	126565205
TJU_CMC_MD2.ID02682.hairpin	26073	5	-	127418693	127418758
TJU_CMC_MD2.ID02683.hairpin	26074	5	+	127419231	127419298
TJU_CMC_MD2.ID02683.hairpin	26075	5	+	127419231	127419298
TJU_CMC_MD2.ID02684.hairpin	26076	5	+	131132914	131133001
TJU_CMC_MD2.ID02685.hairpin	26077	5	+	131593352	131593428
TJU_CMC_MD2.ID02686.hairpin	26078	5	+	132112972	132113030
TJU_CMC_MD2.ID02687.hairpin	26079	5	-	132213843	132213909

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02687.hairpin	26080	5	-	132213843	132213909
TJU_CMC_MD2.ID02688.hairpin	26081	5	-	133162636	133162711
TJU_CMC_MD2.ID02689.hairpin	26082	5	-	133747509	133747566
TJU_CMC_MD2.ID02690.hairpin	26083	5	-	133861813	133861871
TJU_CMC_MD2.ID02690.hairpin	26084	5	-	133861813	133861871
TJU_CMC_MD2.ID02691.hairpin	26085	5	+	133862269	133862352
TJU_CMC_MD2.ID02692.hairpin	26086	5	+	134181709	134181764
TJU_CMC_MD2.ID02692.hairpin	26087	5	+	134181709	134181764
TJU_CMC_MD2.ID02693.hairpin	26088	5	-	134369996	134370072
TJU_CMC_MD2.ID02694.hairpin	26089	5	+	134978964	134979023
TJU_CMC_MD2.ID02695.hairpin	26090	5	-	137688526	137688580
TJU_CMC_MD2.ID02696.hairpin	26091	5	-	137799802	137799854
TJU_CMC_MD2.ID02697.hairpin	26092	5	-	137799933	137800012
TJU_CMC_MD2.ID02698.hairpin	26093	5	+	137799943	137800007
TJU_CMC_MD2.ID02699.hairpin	26094	5	-	138002601	138002663
TJU_CMC_MD2.ID02700.hairpin	26095	5	+	138611943	138612012
TJU_CMC_MD2.ID02700.hairpin	26096	5	+	138611943	138612012
TJU_CMC_MD2.ID02701.hairpin	26097	5	+	138730055	138730119
TJU_CMC_MD2.ID02702.hairpin	26098	5	-	139553930	139554000
TJU_CMC_MD2.ID02703.hairpin	26099	5	-	139780435	139780493
TJU_CMC_MD2.ID02704.hairpin	26100	5	+	140090859	140090938
TJU_CMC_MD2.ID02704.hairpin	26101	5	+	140090859	140090938
TJU_CMC_MD2.ID02705.hairpin	26102	5	-	140960366	140960439
TJU_CMC_MD2.ID02706.hairpin	26103	5	+	141229560	141229615
TJU_CMC_MD2.ID02707.hairpin	26104	5	-	141232467	141232516
TJU_CMC_MD2.ID02708.hairpin	26105	5	-	141235460	141235517
TJU_CMC_MD2.ID02709.hairpin	26106	5	+	142306557	142306626
TJU_CMC_MD2.ID02710.hairpin	26107	5	-	144690826	144690888
TJU_CMC_MD2.ID02711.hairpin	26108	5	-	145214813	145214893
TJU_CMC_MD2.ID02712.hairpin	26109	5	+	148500901	148500980
TJU_CMC_MD2.ID02712.hairpin	26110	5	+	148500901	148500980

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02713.hairpin	26111	5	+	148805370	148805437
TJU_CMC_MD2.ID02713.hairpin	26112	5	+	148805370	148805437
TJU_CMC_MD2.ID02714.hairpin	26113	5	-	149537565	149537640
TJU_CMC_MD2.ID02715.hairpin	26114	5	+	149681950	149682015
TJU_CMC_MD2.ID02716.hairpin	26115	5	+	149900770	149900834
TJU_CMC_MD2.ID02717.hairpin	26116	5	-	150143887	150143954
TJU_CMC_MD2.ID02718.hairpin	26117	5	+	151138304	151138361
TJU_CMC_MD2.ID02719.hairpin;ID=MI0006356;Alias=MI0006356;Name=hsa-mir-1294	26118	5	+	153726666	153726807
TJU_CMC_MD2.ID02720.hairpin	26119	5	-	153726710	153726770
TJU_CMC_MD2.ID02721.hairpin;ID=MI0006370;Alias=MI0006370;Name=hsa-mir-1303	26120	5	+	154065336	154065421
TJU_CMC_MD2.ID02722.hairpin	26121	5	-	154237945	154238014
TJU_CMC_MD2.ID02723.hairpin	26122	5	+	154317823	154317880
TJU_CMC_MD2.ID02724.hairpin	26123	5	+	156693186	156693256
TJU_CMC_MD2.ID02726.hairpin	26124	5	-	156924097	156924152
TJU_CMC_MD2.ID02727.hairpin	26125	5	-	157002749	157002831
TJU_CMC_MD2.ID02728.hairpin	26126	5	+	158526146	158526221
TJU_CMC_MD2.ID02729.hairpin	26127	5	-	159399029	159399103
TJU_CMC_MD2.ID02730.hairpin	26128	5	-	160848557	160848615
TJU_CMC_MD2.ID02731.hairpin	26129	5	-	164454330	164454391
TJU_CMC_MD2.ID02732.hairpin	26130	5	+	166405935	166406013
TJU_CMC_MD2.ID02733.hairpin	26131	5	-	166714259	166714320
TJU_CMC_MD2.ID02734.hairpin	26132	5	+	167592862	167592924
TJU_CMC_MD2.ID02735.hairpin	26133	5	-	167651294	167651361
TJU_CMC_MD2.ID02736.hairpin;ID=MI0000109;Alias=MI0000109;Name=hsa-mir-103a-1	26134	5	-	167987901	167987978
TJU_CMC_MD2.ID02737.hairpin	26135	5	-	169965774	169965833
TJU_CMC_MD2.ID02738.hairpin	26136	5	+	170517971	170518034
TJU_CMC_MD2.ID02739.hairpin	26137	5	-	171831837	171831897
TJU_CMC_MD2.ID02740.hairpin	26138	5	-	172096862	172096924

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TJU_CMC_MD2.ID02741.hairpin	26139	5	-	173197301	173197370
TJU_CMC_MD2.ID02743.hairpin	26140	5	-	174178692	174178765
TJU_CMC_MD2.ID02744.hairpin	26141	5	-	174988083	174988155
TJU_CMC_MD2.ID02745.hairpin	26142	5	-	175819749	175819813
TJU_CMC_MD2.ID02746.hairpin	26143	5	-	175843391	175843460
TJU_CMC_MD2.ID02747.hairpin	26144	5	-	175843472	175843523
TJU_CMC_MD2.ID02748.hairpin	26145	5	+	176306655	176306720
TJU_CMC_MD2.ID02749.hairpin	26146	5	-	176433438	176433524
TJU_CMC_MD2.ID02750.hairpin	26147	5	+	176560772	176560822
TJU_CMC_MD2.ID02751.hairpin	26148	5	+	176560833	176560887
TJU_CMC_MD2.ID02752.hairpin	26149	5	+	176730875	176730942
TJU_CMC_MD2.ID02754.hairpin	26150	5	+	176853063	176853112
TJU_CMC_MD2.ID02756.hairpin	26151	5	-	176918979	176919039
TJU_CMC_MD2.ID02757.hairpin	26152	5	-	176932111	176932199
TJU_CMC_MD2.ID02758.hairpin	26153	5	-	176941854	176941909
TJU_CMC_MD2.ID02759.hairpin	26154	5	+	177574673	177574730
TJU_CMC_MD2.ID02759.hairpin	26155	5	+	177574673	177574730
TJU_CMC_MD2.ID02760.hairpin	26156	5	+	177660123	177660183
TJU_CMC_MD2.ID02761.hairpin	26157	5	+	178772571	178772635
TJU_CMC_MD2.ID02762.hairpin	26158	5	+	179126145	179126207
TJU_CMC_MD2.ID02763.hairpin	26159	5	-	179224840	179224907
TJU_CMC_MD2.ID02764.hairpin	26160	5	-	179232836	179232896
TJU_CMC_MD2.ID02765.hairpin	26161	5	-	179233572	179233623
TJU_CMC_MD2.ID02766.hairpin	26162	5	-	179233978	179234037
TJU_CMC_MD2.ID02767.hairpin	26163	5	+	179251113	179251181
TJU_CMC_MD2.ID02768.hairpin	26164	5	+	179264041	179264118
TJU_CMC_MD2.ID02769.hairpin	26165	5	-	179334593	179334644
TJU_CMC_MD2.ID02770.hairpin	26166	5	-	179636099	179636160
TJU_CMC_MD2.ID02771.hairpin	26167	6	+	292752	292801
TJU_CMC_MD2.ID02772.hairpin	26168	6	+	391761	391830
TJU_CMC_MD2.ID02773.hairpin	26169	6	-	2634646	2634730

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TJU_CMC_MD2.ID02774.hairpin	26170	6	-	2842015	2842089
TJU_CMC_MD2.ID02775.hairpin	26171	6	+	2854275	2854333
TJU_CMC_MD2.ID02776.hairpin	26172	6	+	3119201	3119251
TJU_CMC_MD2.ID02777.hairpin	26173	6	-	3738328	3738396
TJU_CMC_MD2.ID02778.hairpin	26174	6	+	3752406	3752472
TJU_CMC_MD2.ID02779.hairpin	26175	6	-	4775831	4775881
TJU_CMC_MD2.ID02780.hairpin	26176	6	+	4776692	4776754
TJU_CMC_MD2.ID02781.hairpin	26177	6	-	4776718	4776782
TJU_CMC_MD2.ID02783.hairpin	26178	6	+	6810645	6810724
TJU_CMC_MD2.ID02784.hairpin	26179	6	-	11255897	11255952
TJU_CMC_MD2.ID02785.hairpin	26180	6	-	13328715	13328783
TJU_CMC_MD2.ID02786.hairpin	26181	6	+	13574639	13574695
TJU_CMC_MD2.ID02787.hairpin	26182	6	+	13712441	13712502
TJU_CMC_MD2.ID02788.hairpin	26183	6	-	17600382	17600454
TJU_CMC_MD2.ID02789.hairpin	26184	6	-	17600872	17600937
TJU_CMC_MD2.ID02790.hairpin	26185	6	+	21215792	21215844
TJU_CMC_MD2.ID02791.hairpin	26186	6	+	21686030	21686089
TJU_CMC_MD2.ID02792.hairpin	26187	6	-	26158019	26158090
TJU_CMC_MD2.ID02793.hairpin	26188	6	+	26158355	26158409
TJU_CMC_MD2.ID02794.hairpin	26189	6	+	26365709	26365780
TJU_CMC_MD2.ID02795.hairpin	26190	6	-	27095058	27095114
TJU_CMC_MD2.ID02795.hairpin	26191	6	-	27095058	27095114
TJU_CMC_MD2.ID02796.hairpin;ID=MI0014167;Alias=MI0014167;Name=hsa-mir-3143	26192	6	+	27115405	27115467
TJU_CMC_MD2.ID02797.hairpin	26193	6	-	27392791	27392849
TJU_CMC_MD2.ID02798.hairpin	26194	6	+	28106620	28106681
TJU_CMC_MD2.ID02799.hairpin	26195	6	-	30569761	30569822
TJU_CMC_MD2.ID02800.hairpin	26196	6	-	30710368	30710427
TJU_CMC_MD2.ID02801.hairpin	26197	6	+	30923432	30923484
TJU_CMC_MD2.ID02802.hairpin	26198	6	-	30994161	30994236
TJU_CMC_MD2.ID02803.hairpin	26199	6	+	31166500	31166559

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TJU_CMC_MD2.ID02804.hairpin	26200	6	-	31239765	31239814
TJU_CMC_MD2.ID02805.hairpin	26201	6	+	31588507	31588591
TJU_CMC_MD2.ID02806.hairpin	26202	6	-	31671018	31671069
TJU_CMC_MD2.ID02807.hairpin	26203	6	+	31677980	31678048
TJU_CMC_MD2.ID02808.hairpin	26204	6	-	31704125	31704183
TJU_CMC_MD2.ID02808.hairpin	26205	6	-	31704125	31704183
TJU_CMC_MD2.ID02809.hairpin	26206	6	+	31795586	31795654
TJU_CMC_MD2.ID02810.hairpin	26207	6	-	31939844	31939924
TJU_CMC_MD2.ID02811.hairpin	26208	6	-	32632614	32632689
TJU_CMC_MD2.ID02812.hairpin	26209	6	+	32862560	32862613
TJU_CMC_MD2.ID02813.hairpin	26210	6	+	32938658	32938712
TJU_CMC_MD2.ID02814.hairpin	26211	6	+	32940004	32940058
TJU_CMC_MD2.ID02815.hairpin	26212	6	+	32948502	32948568
TJU_CMC_MD2.ID02816.hairpin	26213	6	+	33169449	33169517
TJU_CMC_MD2.ID02817.hairpin	26214	6	-	33175630	33175691
TJU_CMC_MD2.ID02817.hairpin	26215	6	-	33175630	33175691
TJU_CMC_MD2.ID02818.hairpin	26216	6	+	33244940	33244992
TJU_CMC_MD2.ID02819.hairpin	26217	6	-	33266663	33266714
TJU_CMC_MD2.ID02820.hairpin	26218	6	+	33393522	33393574
TJU_CMC_MD2.ID02821.hairpin	26219	6	-	33900020	33900082
TJU_CMC_MD2.ID02821.hairpin	26220	6	-	33900020	33900082
TJU_CMC_MD2.ID02822.hairpin	26221	6	+	34217045	34217104
TJU_CMC_MD2.ID02823.hairpin	26222	6	-	35656492	35656547
TJU_CMC_MD2.ID02824.hairpin	26223	6	+	36442633	36442696
TJU_CMC_MD2.ID02825.hairpin	26224	6	+	36562839	36562896
TJU_CMC_MD2.ID02826.hairpin	26225	6	-	36953744	36953798
TJU_CMC_MD2.ID02829.hairpin	26226	6	+	41069101	41069153
TJU_CMC_MD2.ID02830.hairpin	26227	6	-	41162771	41162835
TJU_CMC_MD2.ID02831.hairpin	26228	6	+	41191590	41191651
TJU_CMC_MD2.ID02831.hairpin	26229	6	+	41191590	41191651
TJU_CMC_MD2.ID02832.hairpin	26230	6	+	41395734	41395787

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TJU_CMC_MD2.ID02833.hairpin	26231	6	-	41438162	41438215
TJU_CMC_MD2.ID02834.hairpin	26232	6	-	41692215	41692273
TJU_CMC_MD2.ID02836.hairpin	26233	6	+	41702057	41702107
TJU_CMC_MD2.ID02837.hairpin	26234	6	+	41702845	41702917
TJU_CMC_MD2.ID02838.hairpin	26235	6	-	42296828	42296885
TJU_CMC_MD2.ID02839.hairpin	26236	6	+	42349047	42349105
TJU_CMC_MD2.ID02840.hairpin	26237	6	+	42420933	42420994
TJU_CMC_MD2.ID02841.hairpin	26238	6	+	42750814	42750889
TJU_CMC_MD2.ID02842.hairpin	26239	6	+	43139595	43139665
TJU_CMC_MD2.ID02843.hairpin	26240	6	-	43477988	43478043
TJU_CMC_MD2.ID02844.hairpin	26241	6	+	43737994	43738080
TJU_CMC_MD2.ID02845.hairpin	26242	6	+	43745961	43746017
TJU_CMC_MD2.ID02846.hairpin	26243	6	+	44215489	44215556
TJU_CMC_MD2.ID02847.hairpin	26244	6	+	45345351	45345435
TJU_CMC_MD2.ID02848.hairpin;ID=MI0019287;Alias=MI0019287;Name=hsa-mir-5685	26245	6	+	53141791	53141869
TJU_CMC_MD2.ID02849.hairpin	26246	6	-	53141797	53141861
TJU_CMC_MD2.ID02850.hairpin	26247	6	-	53409564	53409621
TJU_CMC_MD2.ID02851.hairpin	26248	6	+	63755852	63755930
TJU_CMC_MD2.ID02852.hairpin	26249	6	-	71375151	71375211
TJU_CMC_MD2.ID02853.hairpin	26250	6	-	71377532	71377581
TJU_CMC_MD2.ID02854.hairpin	26251	6	+	73347096	73347161
TJU_CMC_MD2.ID02855.hairpin	26252	6	-	73860306	73860360
TJU_CMC_MD2.ID02856.hairpin	26253	6	-	81250365	81250440
TJU_CMC_MD2.ID02857.hairpin	26254	6	+	82463065	82463127
TJU_CMC_MD2.ID02858.hairpin	26255	6	-	86146447	86146508
TJU_CMC_MD2.ID02859.hairpin	26256	6	+	86159573	86159623
TJU_CMC_MD2.ID02860.hairpin	26257	6	+	89855774	89855854
TJU_CMC_MD2.ID02861.hairpin	26258	6	+	90062732	90062785
TJU_CMC_MD2.ID02862.hairpin	26259	6	+	90243048	90243112

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02863.hairpin;ID=MI0016812;Alias=MI0016812;Name=hsa-mir-4464	26260	6	+	91022461	91022552
TJU_CMC_MD2.ID02864.hairpin	26261	6	+	91152086	91152143
TJU_CMC_MD2.ID02865.hairpin	26262	6	+	91366187	91366239
TJU_CMC_MD2.ID02866.hairpin	26263	6	+	94113290	94113352
TJU_CMC_MD2.ID02867.hairpin	26264	6	+	94126601	94126653
TJU_CMC_MD2.ID02868.hairpin	26265	6	+	99277201	99277260
TJU_CMC_MD2.ID02869.hairpin	26266	6	-	99963322	99963378
TJU_CMC_MD2.ID02870.hairpin	26267	6	+	105388583	105388635
TJU_CMC_MD2.ID02871.hairpin	26268	6	-	106689669	106689732
TJU_CMC_MD2.ID02873.hairpin	26269	6	-	108582159	108582216
TJU_CMC_MD2.ID02874.hairpin	26270	6	-	109638899	109638961
TJU_CMC_MD2.ID02875.hairpin	26271	6	+	109703676	109703730
TJU_CMC_MD2.ID02877.hairpin	26272	6	+	122007584	122007656
TJU_CMC_MD2.ID02878.hairpin	26273	6	-	122792149	122792215
TJU_CMC_MD2.ID02878.hairpin	26274	6	-	122792149	122792215
TJU_CMC_MD2.ID02879.hairpin	26275	6	+	126122420	126122476
TJU_CMC_MD2.ID02880.hairpin	26276	6	-	129969588	129969653
TJU_CMC_MD2.ID02881.hairpin	26277	6	-	130340713	130340769
TJU_CMC_MD2.ID02882.hairpin	26278	6	+	130340714	130340773
TJU_CMC_MD2.ID02883.hairpin	26279	6	-	133119681	133119743
TJU_CMC_MD2.ID02884.hairpin	26280	6	+	133552757	133552811
TJU_CMC_MD2.ID02885.hairpin	26281	6	+	134273304	134273390
TJU_CMC_MD2.ID02886.hairpin	26282	6	-	134374718	134374796
TJU_CMC_MD2.ID02887.hairpin	26283	6	+	134454723	134454806
TJU_CMC_MD2.ID02888.hairpin	26284	6	+	134496773	134496828
TJU_CMC_MD2.ID02889.hairpin	26285	6	-	136871585	136871655
TJU_CMC_MD2.ID02890.hairpin	26286	6	-	137113032	137113086
TJU_CMC_MD2.ID02890.hairpin	26287	6	-	137113032	137113086
TJU_CMC_MD2.ID02891.hairpin	26288	6	+	140182689	140182754
TJU_CMC_MD2.ID02892.hairpin	26289	6	+	141195112	141195177

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02893.hairpin	26290	6	-	142308572	142308637
TJU_CMC_MD2.ID02894.hairpin	26291	6	+	142334801	142334857
TJU_CMC_MD2.ID02895.hairpin	26292	6	+	143248140	143248203
TJU_CMC_MD2.ID02896.hairpin	26293	6	+	143606468	143606529
TJU_CMC_MD2.ID02898.hairpin	26294	6	+	144471643	144471694
TJU_CMC_MD2.ID02899.hairpin	26295	6	+	146056435	146056511
TJU_CMC_MD2.ID02900.hairpin	26296	6	+	146363358	146363429
TJU_CMC_MD2.ID02902.hairpin	26297	6	+	147578320	147578374
TJU_CMC_MD2.ID02903.hairpin	26298	6	+	149638830	149638893
TJU_CMC_MD2.ID02904.hairpin	26299	6	-	149772469	149772554
TJU_CMC_MD2.ID02905.hairpin	26300	6	-	150772972	150773029
TJU_CMC_MD2.ID02906.hairpin	26301	6	+	151423832	151423890
TJU_CMC_MD2.ID02907.hairpin	26302	6	-	151711343	151711394
TJU_CMC_MD2.ID02908.hairpin	26303	6	+	151712246	151712309
TJU_CMC_MD2.ID02909.hairpin	26304	6	-	152443384	152443447
TJU_CMC_MD2.ID02910.hairpin	26305	6	+	153452058	153452131
TJU_CMC_MD2.ID02911.hairpin	26306	6	-	155054722	155054776
TJU_CMC_MD2.ID02913.hairpin	26307	6	+	157099136	157099220
TJU_CMC_MD2.ID02914.hairpin	26308	6	-	157099652	157099702
TJU_CMC_MD2.ID02915.hairpin	26309	6	-	157342559	157342627
TJU_CMC_MD2.ID02916.hairpin	26310	6	+	157893370	157893432
TJU_CMC_MD2.ID02917.hairpin	26311	6	+	157914488	157914550
TJU_CMC_MD2.ID02918.hairpin	26312	6	+	158244294	158244367
TJU_CMC_MD2.ID02919.hairpin	26313	6	+	158669285	158669344
TJU_CMC_MD2.ID02920.hairpin	26314	6	+	158744097	158744159
TJU_CMC_MD2.ID02921.hairpin	26315	6	-	159193394	159193466
TJU_CMC_MD2.ID02921.hairpin	26316	6	-	159193394	159193466
TJU_CMC_MD2.ID02922.hairpin	26317	6	+	159736721	159736773
TJU_CMC_MD2.ID02923.hairpin	26318	6	-	160183281	160183344
TJU_CMC_MD2.ID02924.hairpin	26319	6	-	160210598	160210648
TJU_CMC_MD2.ID02925.hairpin	26320	6	-	167369306	167369373

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02926.hairpin;ID=MI0016596;Alias=MI0016596;Name=hsa-mir-3939	26321	6	-	167411295	167411400
TJU_CMC_MD2.ID02927.hairpin	26322	6	+	167412477	167412551
TJU_CMC_MD2.ID02928.hairpin	26323	6	-	168100238	168100295
TJU_CMC_MD2.ID02929.hairpin	26324	6	+	169613276	169613326
TJU_CMC_MD2.ID02930.hairpin	26325	6	+	170124189	170124251
TJU_CMC_MD2.ID02931.hairpin	26326	6	-	170599951	170600018
TJU_CMC_MD2.ID02931.hairpin	26327	6	-	170599951	170600018
TJU_CMC_MD2.ID02932.hairpin	26328	7	-	192250	192336
TJU_CMC_MD2.ID02933.hairpin	26329	7	-	466626	466679
TJU_CMC_MD2.ID02934.hairpin	26330	7	+	780280	780331
TJU_CMC_MD2.ID02935.hairpin	26331	7	-	994256	994341
TJU_CMC_MD2.ID02936.hairpin	26332	7	-	1067879	1067931
TJU_CMC_MD2.ID02937.hairpin	26333	7	-	1499005	1499056
TJU_CMC_MD2.ID02938.hairpin	26334	7	-	1507542	1507615
TJU_CMC_MD2.ID02939.hairpin	26335	7	+	1620719	1620797
TJU_CMC_MD2.ID02941.hairpin	26336	7	-	2815385	2815436
TJU_CMC_MD2.ID02942.hairpin	26337	7	+	5014043	5014131
TJU_CMC_MD2.ID02943.hairpin	26338	7	+	5463973	5464028
TJU_CMC_MD2.ID02944.hairpin	26339	7	-	5531245	5531305
TJU_CMC_MD2.ID02945.hairpin	26340	7	-	5567539	5567598
TJU_CMC_MD2.ID02945.hairpin	26341	7	-	5567539	5567598
TJU_CMC_MD2.ID02946.hairpin	26342	7	-	5569140	5569213
TJU_CMC_MD2.ID02947.hairpin	26343	7	-	6144190	6144242
TJU_CMC_MD2.ID02948.hairpin	26344	7	+	6414133	6414212
TJU_CMC_MD2.ID02949.hairpin;ID=MI0016084;Alias=MI0016084;Name=hsa-mir-3683	26345	7	-	7106595	7106676
TJU_CMC_MD2.ID02950.hairpin	26346	7	+	8008649	8008707
TJU_CMC_MD2.ID02951.hairpin	26347	7	+	8008805	8008874
TJU_CMC_MD2.ID02952.hairpin	26348	7	+	18434904	18434961

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02953.hairpin	26349	7	-	20370481	20370535
TJU_CMC_MD2.ID02954.hairpin	26350	7	+	20388964	20389023
TJU_CMC_MD2.ID02955.hairpin	26351	7	+	22894008	22894073
TJU_CMC_MD2.ID02956.hairpin	26352	7	+	23145448	23145521
TJU_CMC_MD2.ID02957.hairpin	26353	7	+	23338969	23339022
TJU_CMC_MD2.ID02958.hairpin	26354	7	+	23719799	23719850
TJU_CMC_MD2.ID02959.hairpin	26355	7	-	27975561	27975619
TJU_CMC_MD2.ID02960.hairpin	26356	7	+	28403278	28403330
TJU_CMC_MD2.ID02961.hairpin	26357	7	+	30028676	30028748
TJU_CMC_MD2.ID02962.hairpin	26358	7	+	30155438	30155501
TJU_CMC_MD2.ID02963.hairpin	26359	7	+	30174639	30174703
TJU_CMC_MD2.ID02964.hairpin	26360	7	+	30178236	30178301
TJU_CMC_MD2.ID02965.hairpin	26361	7	+	30201593	30201646
TJU_CMC_MD2.ID02966.hairpin	26362	7	-	31760588	31760641
TJU_CMC_MD2.ID02967.hairpin	26363	7	+	33643499	33643556
TJU_CMC_MD2.ID02968.hairpin	26364	7	+	35841442	35841499
TJU_CMC_MD2.ID02969.hairpin	26365	7	+	37824500	37824562
TJU_CMC_MD2.ID02970.hairpin	26366	7	+	38285319	38285381
TJU_CMC_MD2.ID02971.hairpin	26367	7	+	39663427	39663493
TJU_CMC_MD2.ID02972.hairpin	26368	7	-	39989604	39989677
TJU_CMC_MD2.ID02973.hairpin	26369	7	+	41697430	41697483
TJU_CMC_MD2.ID02974.hairpin	26370	7	-	44084142	44084191
TJU_CMC_MD2.ID02975.hairpin	26371	7	+	44151005	44151071
TJU_CMC_MD2.ID02976.hairpin	26372	7	+	44364791	44364840
TJU_CMC_MD2.ID02977.hairpin	26373	7	-	44422978	44423039
TJU_CMC_MD2.ID02978.hairpin	26374	7	-	44788236	44788308
TJU_CMC_MD2.ID02979.hairpin	26375	7	+	44788237	44788311
TJU_CMC_MD2.ID02980.hairpin	26376	7	+	44804864	44804934
TJU_CMC_MD2.ID02981.hairpin	26377	7	-	45128661	45128719
TJU_CMC_MD2.ID02982.hairpin	26378	7	+	45960354	45960437
TJU_CMC_MD2.ID02983.hairpin	26379	7	-	47408390	47408465

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID02984.hairpin	26380	7	+	50861267	50861319
TJU_CMC_MD2.ID02985.hairpin	26381	7	+	54612396	54612471
TJU_CMC_MD2.ID02986.hairpin	26382	7	+	55086731	55086796
TJU_CMC_MD2.ID02987.hairpin	26383	7	+	55137027	55137086
TJU_CMC_MD2.ID02988.hairpin	26384	7	-	55433496	55433584
TJU_CMC_MD2.ID02989.hairpin	26385	7	-	55603062	55603119
TJU_CMC_MD2.ID02990.hairpin	26386	7	+	55639821	55639905
TJU_CMC_MD2.ID02991.hairpin	26387	7	+	55777473	55777530
TJU_CMC_MD2.ID02992.hairpin	26388	7	+	55955523	55955599
TJU_CMC_MD2.ID02993.hairpin	26389	7	+	63811988	63812049
TJU_CMC_MD2.ID02994.hairpin	26390	7	+	64254757	64254825
TJU_CMC_MD2.ID02995.hairpin	26391	7	+	65392342	65392402
TJU_CMC_MD2.ID02996.hairpin	26392	7	-	65447121	65447175
TJU_CMC_MD2.ID02998.hairpin	26393	7	+	66093873	66093923
TJU_CMC_MD2.ID02999.hairpin	26394	7	-	66197199	66197271
TJU_CMC_MD2.ID03000.hairpin	26395	7	-	66205358	66205430
TJU_CMC_MD2.ID03001.hairpin	26396	7	+	66309424	66309512
TJU_CMC_MD2.ID03002.hairpin	26397	7	+	69491291	69491344
TJU_CMC_MD2.ID03003.hairpin	26398	7	+	70604660	70604749
TJU_CMC_MD2.ID03004.hairpin	26399	7	-	71544480	71544537
TJU_CMC_MD2.ID03005.hairpin	26400	7	-	71757419	71757480
TJU_CMC_MD2.ID03006.hairpin	26401	7	-	72837407	72837481
TJU_CMC_MD2.ID03007.hairpin	26402	7	-	72971500	72971552
TJU_CMC_MD2.ID03008.hairpin	26403	7	+	73442006	73442081
TJU_CMC_MD2.ID03009.hairpin	26404	7	+	73770675	73770735
TJU_CMC_MD2.ID03011.hairpin	26405	7	-	74459106	74459165
TJU_CMC_MD2.ID03012.hairpin	26406	7	-	74867604	74867661
TJU_CMC_MD2.ID03013.hairpin	26407	7	-	75157334	75157395
TJU_CMC_MD2.ID03014.hairpin	26408	7	-	75544184	75544242

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03015.hairpin	26409	7	-	75623914	75623963
TJU_CMC_MD2.ID03016.hairpin	26410	7	+	77045277	77045344
TJU_CMC_MD2.ID03017.hairpin	26411	7	+	77045780	77045859
TJU_CMC_MD2.ID03018.hairpin	26412	7	+	80283623	80283676
TJU_CMC_MD2.ID03019.hairpin	26413	7	-	88389065	88389118
TJU_CMC_MD2.ID03020.hairpin	26414	7	-	92219648	92219700
TJU_CMC_MD2.ID03022.hairpin	26415	7	+	93806119	93806193
TJU_CMC_MD2.ID03023.hairpin	26416	7	-	97910461	97910517
TJU_CMC_MD2.ID03024.hairpin	26417	7	+	98014286	98014364
TJU_CMC_MD2.ID03025.hairpin	26418	7	+	99613299	99613370
TJU_CMC_MD2.ID03026.hairpin	26419	7	+	99691281	99691343
TJU_CMC_MD2.ID03027.hairpin	26420	7	-	99716935	99717001
TJU_CMC_MD2.ID03028.hairpin	26421	7	+	100027988	100028040
TJU_CMC_MD2.ID03029.hairpin	26422	7	+	100028382	100028453
TJU_CMC_MD2.ID03030.hairpin	26423	7	-	100033705	100033775
TJU_CMC_MD2.ID03031.hairpin	26424	7	-	100048377	100048446
TJU_CMC_MD2.ID03032.hairpin	26425	7	+	100271021	100271080
TJU_CMC_MD2.ID03033.hairpin	26426	7	+	100494632	100494693
TJU_CMC_MD2.ID03034.hairpin	26427	7	+	101932241	101932293
TJU_CMC_MD2.ID03035.hairpin	26428	7	+	101944104	101944162
TJU_CMC_MD2.ID03036.hairpin;ID=MI0017979;Alia s=MI0017979;Name=hsa-mir-5090	26429	7	+	102106189	102106273
TJU_CMC_MD2.ID03037.hairpin;ID=MI0016818;Alia s=MI0016818;Name=hsa-mir-4467	26430	7	+	102111916	102111978
TJU_CMC_MD2.ID03038.hairpin	26431	7	+	106685179	106685236
TJU_CMC_MD2.ID03039.hairpin	26432	7	-	107184623	107184706
TJU_CMC_MD2.ID03040.hairpin	26433	7	-	107384462	107384527
TJU_CMC_MD2.ID03041.hairpin	26434	7	-	107439650	107439720
TJU_CMC_MD2.ID03042.hairpin	26435	7	-	107642157	107642240
TJU_CMC_MD2.ID03044.hairpin	26436	7	+	110608171	110608240
TJU_CMC_MD2.ID03045.hairpin	26437	7	+	114562188	114562238

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03046.hairpin;ID=MI0021277;Alia s=MI0021277;Name=hsa-mir-6132	26438	7	+	116660265	116660373
TJU_CMC_MD2.ID03047.hairpin	26439	7	+	121513762	121513817
TJU_CMC_MD2.ID03048.hairpin	26440	7	-	124097636	124097701
TJU_CMC_MD2.ID03049.hairpin	26441	7	-	124405895	124405970
TJU_CMC_MD2.ID03050.hairpin;ID=MI0003604;Alia s=MI0003604;Name=hsa-mir-592	26442	7	-	126698142	126698238
TJU_CMC_MD2.ID03051.hairpin	26443	7	+	127672587	127672664
TJU_CMC_MD2.ID03052.hairpin	26444	7	-	128171031	128171098
TJU_CMC_MD2.ID03053.hairpin	26445	7	+	129252098	129252187
TJU_CMC_MD2.ID03054.hairpin	26446	7	+	129793404	129793465
TJU_CMC_MD2.ID03055.hairpin	26447	7	+	130131951	130132002
TJU_CMC_MD2.ID03056.hairpin	26448	7	+	131012555	131012615
TJU_CMC_MD2.ID03057.hairpin	26449	7	+	132468556	132468633
TJU_CMC_MD2.ID03058.hairpin	26450	7	-	133978353	133978418
TJU_CMC_MD2.ID03059.hairpin	26451	7	+	134855559	134855622
TJU_CMC_MD2.ID03060.hairpin	26452	7	-	138666295	138666360
TJU_CMC_MD2.ID03061.hairpin	26453	7	-	138728845	138728903
TJU_CMC_MD2.ID03061.hairpin	26454	7	-	138728845	138728903
TJU_CMC_MD2.ID03062.hairpin	26455	7	-	139208503	139208554
TJU_CMC_MD2.ID03063.hairpin	26456	7	+	139553902	139553970
TJU_CMC_MD2.ID03063.hairpin	26457	7	+	139553902	139553970
TJU_CMC_MD2.ID03064.hairpin	26458	7	+	139876123	139876182
TJU_CMC_MD2.ID03065.hairpin	26459	7	+	139876813	139876890
TJU_CMC_MD2.ID03066.hairpin	26460	7	-	142157351	142157408
TJU_CMC_MD2.ID03066.hairpin	26461	7	-	142157351	142157408
TJU_CMC_MD2.ID03067.hairpin	26462	7	+	143078418	143078468
TJU_CMC_MD2.ID03068.hairpin	26463	7	-	143088628	143088695
TJU_CMC_MD2.ID03069.hairpin	26464	7	-	149194766	149194837
TJU_CMC_MD2.ID03070.hairpin	26465	7	+	149482560	149482625

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TJU_CMC_MD2.ID03071.hairpin	26466	7	+	149516742	149516806
TJU_CMC_MD2.ID03072.hairpin	26467	7	-	150068954	150069028
TJU_CMC_MD2.ID03073.hairpin	26468	7	-	150076123	150076177
TJU_CMC_MD2.ID03074.hairpin	26469	7	-	150413588	150413648
TJU_CMC_MD2.ID03075.hairpin	26470	7	+	150417595	150417654
TJU_CMC_MD2.ID03076.hairpin	26471	7	-	150655306	150655388
TJU_CMC_MD2.ID03077.hairpin	26472	7	+	150676274	150676335
TJU_CMC_MD2.ID03078.hairpin	26473	7	+	150761552	150761613
TJU_CMC_MD2.ID03079.hairpin	26474	7	-	150777401	150777477
TJU_CMC_MD2.ID03080.hairpin	26475	7	-	152133544	152133609
TJU_CMC_MD2.ID03081.hairpin	26476	7	-	154074914	154074965
TJU_CMC_MD2.ID03082.hairpin	26477	7	+	155089728	155089798
TJU_CMC_MD2.ID03083.hairpin	26478	7	+	155246782	155246860
TJU_CMC_MD2.ID03084.hairpin	26479	7	-	155383153	155383234
TJU_CMC_MD2.ID03085.hairpin	26480	7	-	155602641	155602698
TJU_CMC_MD2.ID03086.hairpin	26481	7	-	155647519	155647573
TJU_CMC_MD2.ID03087.hairpin	26482	7	-	155973071	155973153
TJU_CMC_MD2.ID03088.hairpin	26483	7	-	156400518	156400580
TJU_CMC_MD2.ID03089.hairpin	26484	7	-	156741819	156741876
TJU_CMC_MD2.ID03090.hairpin	26485	7	-	158351683	158351739
TJU_CMC_MD2.ID03091.hairpin	26486	8	-	356751	356819
TJU_CMC_MD2.ID03092.hairpin	26487	8	-	494805	494857
TJU_CMC_MD2.ID03093.hairpin	26488	8	+	698328	698388
TJU_CMC_MD2.ID03093.hairpin	26489	8	+	698328	698388
TJU_CMC_MD2.ID03096.hairpin	26490	8	+	1734341	1734397
TJU_CMC_MD2.ID03097.hairpin	26491	8	+	1949606	1949660
TJU_CMC_MD2.ID03098.hairpin	26492	8	+	1949695	1949744
TJU_CMC_MD2.ID03099.hairpin	26493	8	-	2380673	2380727
TJU_CMC_MD2.ID03100.hairpin	26494	8	+	6636740	6636799
TJU_CMC_MD2.ID03101.hairpin	26495	8	-	9912172	9912237
TJU_CMC_MD2.ID03102.hairpin	26496	8	+	10699734	10699805

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03104.hairpin	26497	8	-	11400518	11400575
TJU_CMC_MD2.ID03105.hairpin	26498	8	+	11660525	11660584
TJU_CMC_MD2.ID03106.hairpin	26499	8	-	11702151	11702205
TJU_CMC_MD2.ID03107.hairpin;ID=MI0016437;Alia s=MI0016437;Name=hsa-mir-3926-2	26500	8	+	12584746	12584808
TJU_CMC_MD2.ID03108.hairpin	26501	8	-	12613003	12613077
TJU_CMC_MD2.ID03110.hairpin	26502	8	+	17104462	17104528
TJU_CMC_MD2.ID03111.hairpin;ID=MI0014174;Alia s=MI0014174;Name=hsa-mir-548v	26503	8	-	17539087	17539166
TJU_CMC_MD2.ID03112.hairpin	26504	8	-	18961071	18961133
TJU_CMC_MD2.ID03113.hairpin	26505	8	-	21960438	21960499
TJU_CMC_MD2.ID03114.hairpin	26506	8	-	21999308	21999366
TJU_CMC_MD2.ID03115.hairpin;ID=MI0000542;Alia s=MI0000542;Name=hsa-mir-320a	26507	8	-	22102475	22102556
TJU_CMC_MD2.ID03116.hairpin	26508	8	+	22108604	22108668
TJU_CMC_MD2.ID03117.hairpin	26509	8	+	22224738	22224815
TJU_CMC_MD2.ID03118.hairpin	26510	8	-	22411586	22411643
TJU_CMC_MD2.ID03119.hairpin	26511	8	+	22462376	22462461
TJU_CMC_MD2.ID03120.hairpin	26512	8	+	22856871	22856955
TJU_CMC_MD2.ID03121.hairpin	26513	8	-	23207292	23207354
TJU_CMC_MD2.ID03122.hairpin	26514	8	-	23305254	23305335
TJU_CMC_MD2.ID03123.hairpin	26515	8	+	23386886	23386937
TJU_CMC_MD2.ID03124.hairpin	26516	8	+	25042350	25042433
TJU_CMC_MD2.ID03125.hairpin	26517	8	-	27157215	27157276
TJU_CMC_MD2.ID03126.hairpin	26518	8	-	27588469	27588530
TJU_CMC_MD2.ID03127.hairpin	26519	8	-	27630074	27630139
TJU_CMC_MD2.ID03128.hairpin	26520	8	-	28158862	28158927
TJU_CMC_MD2.ID03129.hairpin	26521	8	-	28243647	28243698
TJU_CMC_MD2.ID03130.hairpin	26522	8	-	28269925	28269982
TJU_CMC_MD2.ID03131.hairpin	26523	8	+	28603027	28603105
TJU_CMC_MD2.ID03132.hairpin	26524	8	-	28924989	28925049

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03133.hairpin	26525	8	+	37357259	37357323
TJU_CMC_MD2.ID03134.hairpin	26526	8	+	38034284	38034365
TJU_CMC_MD2.ID03135.hairpin	26527	8	-	38131558	38131632
TJU_CMC_MD2.ID03136.hairpin	26528	8	+	38644718	38644796
TJU_CMC_MD2.ID03137.hairpin	26529	8	-	38758576	38758628
TJU_CMC_MD2.ID03138.hairpin	26530	8	+	41517962	41518025
TJU_CMC_MD2.ID03138.hairpin	26531	8	+	41517962	41518025
TJU_CMC_MD2.ID03139.hairpin	26532	8	-	41692053	41692111
TJU_CMC_MD2.ID03140.hairpin	26533	8	-	41733457	41733517
TJU_CMC_MD2.ID03141.hairpin	26534	8	-	41909812	41909875
TJU_CMC_MD2.ID03141.hairpin	26535	8	-	41909812	41909875
TJU_CMC_MD2.ID03142.hairpin	26536	8	-	42128721	42128772
TJU_CMC_MD2.ID03143.hairpin	26537	8	-	42396398	42396461
TJU_CMC_MD2.ID03144.hairpin	26538	8	-	48173301	48173362
TJU_CMC_MD2.ID03145.hairpin	26539	8	+	48873542	48873627
TJU_CMC_MD2.ID03146.hairpin	26540	8	+	48921199	48921265
TJU_CMC_MD2.ID03147.hairpin	26541	8	-	52811597	52811679
TJU_CMC_MD2.ID03148.hairpin	26542	8	-	54164182	54164252
TJU_CMC_MD2.ID03149.hairpin	26543	8	+	54935558	54935628
TJU_CMC_MD2.ID03150.hairpin	26544	8	+	59323955	59324013
TJU_CMC_MD2.ID03151.hairpin	26545	8	+	65493908	65493969
TJU_CMC_MD2.ID03153.hairpin	26546	8	+	71314772	71314828
TJU_CMC_MD2.ID03154.hairpin	26547	8	+	71520637	71520699
TJU_CMC_MD2.ID03155.hairpin	26548	8	+	72744847	72744912
TJU_CMC_MD2.ID03156.hairpin	26549	8	-	74197989	74198044
TJU_CMC_MD2.ID03157.hairpin	26550	8	+	74206839	74206928
TJU_CMC_MD2.ID03158.hairpin	26551	8	+	74903858	74903912
TJU_CMC_MD2.ID03161.hairpin	26552	8	-	79578181	79578240
TJU_CMC_MD2.ID03162.hairpin	26553	8	+	79637617	79637676
TJU_CMC_MD2.ID03163.hairpin	26554	8	-	80680196	80680263

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03164.hairpin	26555	8	-	86988308	86988363
TJU_CMC_MD2.ID03165.hairpin	26556	8	-	91657867	91657918
TJU_CMC_MD2.ID03166.hairpin	26557	8	-	96146489	96146542
TJU_CMC_MD2.ID03168.hairpin	26558	8	+	99306536	99306596
TJU_CMC_MD2.ID03169.hairpin	26559	8	+	99307058	99307120
TJU_CMC_MD2.ID03171.hairpin	26560	8	+	101964853	101964933
TJU_CMC_MD2.ID03172.hairpin	26561	8	+	102218357	102218419
TJU_CMC_MD2.ID03173.hairpin	26562	8	-	102506021	102506099
TJU_CMC_MD2.ID03174.hairpin	26563	8	-	103424281	103424342
TJU_CMC_MD2.ID03175.hairpin	26564	8	-	103819284	103819340
TJU_CMC_MD2.ID03176.hairpin	26565	8	-	103822611	103822668
TJU_CMC_MD2.ID03177.hairpin	26566	8	+	103875537	103875624
TJU_CMC_MD2.ID03178.hairpin	26567	8	-	104427197	104427280
TJU_CMC_MD2.ID03179.hairpin	26568	8	-	107282439	107282523
TJU_CMC_MD2.ID03180.hairpin	26569	8	+	107282451	107282500
TJU_CMC_MD2.ID03181.hairpin	26570	8	+	107300785	107300834
TJU_CMC_MD2.ID03182.hairpin	26571	8	+	107923725	107923782
TJU_CMC_MD2.ID03183.hairpin	26572	8	-	116546694	116546762
TJU_CMC_MD2.ID03184.hairpin	26573	8	+	128750027	128750089
TJU_CMC_MD2.ID03185.hairpin;ID=MI0016087;Alia s=MI0016087;Name=hsa-mir-3686	26574	8	-	130496303	130496388
TJU_CMC_MD2.ID03186.hairpin	26575	8	-	130951934	130951987
TJU_CMC_MD2.ID03187.hairpin	26576	8	-	131370879	131370928
TJU_CMC_MD2.ID03188.hairpin	26577	8	-	131540318	131540374
TJU_CMC_MD2.ID03188.hairpin	26578	8	-	131540318	131540374
TJU_CMC_MD2.ID03189.hairpin	26579	8	-	135576101	135576155
TJU_CMC_MD2.ID03190.hairpin	26580	8	-	141467766	141467829
TJU_CMC_MD2.ID03191.hairpin	26581	8	+	141645841	141645892
TJU_CMC_MD2.ID03192.hairpin	26582	8	-	142138383	142138433
TJU_CMC_MD2.ID03193.hairpin	26583	8	-	143693614	143693693

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TJU_CMC_MD2.ID03194.hairpin	26584	8	-	143807900	143807950
TJU_CMC_MD2.ID03195.hairpin	26585	8	-	143808493	143808583
TJU_CMC_MD2.ID03196.hairpin	26586	8	-	143854675	143854732
TJU_CMC_MD2.ID03197.hairpin	26587	8	+	143867205	143867257
TJU_CMC_MD2.ID03198.hairpin	26588	8	+	143927134	143927197
TJU_CMC_MD2.ID03199.hairpin	26589	8	+	144373605	144373661
TJU_CMC_MD2.ID03200.hairpin	26590	8	-	144480370	144480446
TJU_CMC_MD2.ID03201.hairpin	26591	8	-	144550470	144550526
TJU_CMC_MD2.ID03202.hairpin	26592	8	-	144554850	144554926
TJU_CMC_MD2.ID03204.hairpin	26593	8	-	144659982	144660038
TJU_CMC_MD2.ID03205.hairpin	26594	8	-	144660322	144660385
TJU_CMC_MD2.ID03206.hairpin	26595	8	+	144897567	144897630
TJU_CMC_MD2.ID03207.hairpin	26596	8	-	144898992	144899070
TJU_CMC_MD2.ID03208.hairpin	26597	8	-	145006712	145006789
TJU_CMC_MD2.ID03209.hairpin	26598	8	-	145047654	145047707
TJU_CMC_MD2.ID03210.hairpin	26599	8	+	145060650	145060713
TJU_CMC_MD2.ID03211.hairpin	26600	8	-	145107229	145107315
TJU_CMC_MD2.ID03212.hairpin	26601	8	+	145137562	145137644
TJU_CMC_MD2.ID03213.hairpin	26602	8	-	145150310	145150369
TJU_CMC_MD2.ID03214.hairpin	26603	8	-	145154111	145154166
TJU_CMC_MD2.ID03215.hairpin	26604	8	+	145552440	145552497
TJU_CMC_MD2.ID03216.hairpin	26605	8	+	145561455	145561511
TJU_CMC_MD2.ID03217.hairpin	26606	8	+	145584178	145584243
TJU_CMC_MD2.ID03218.hairpin	26607	8	+	145597713	145597763
TJU_CMC_MD2.ID03219.hairpin	26608	8	+	145643854	145643910
TJU_CMC_MD2.ID03220.hairpin	26609	8	+	145661012	145661068
TJU_CMC_MD2.ID03221.hairpin	26610	8	-	145687870	145687922
TJU_CMC_MD2.ID03222.hairpin	26611	8	-	145742898	145742970
TJU_CMC_MD2.ID03223.hairpin	26612	8	-	145816729	145816785
TJU_CMC_MD2.ID03224.hairpin	26613	8	+	146026858	146026914

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03225.hairpin	26614	8	-	146045933	146046022
TJU_CMC_MD2.ID03226.hairpin	26615	9	+	215085	215152
TJU_CMC_MD2.ID03227.hairpin	26616	9	+	396299	396359
TJU_CMC_MD2.ID03228.hairpin	26617	9	-	1288697	1288746
TJU_CMC_MD2.ID03229.hairpin	26618	9	+	2622156	2622233
TJU_CMC_MD2.ID03230.hairpin	26619	9	-	3525592	3525649
TJU_CMC_MD2.ID03231.hairpin	26620	9	-	4490240	4490307
TJU_CMC_MD2.ID03232.hairpin	26621	9	+	4740800	4740858
TJU_CMC_MD2.ID03233.hairpin	26622	9	+	4804651	4804727
TJU_CMC_MD2.ID03234.hairpin;ID=MI0000739;Alias=MI0000739;Name=hsa-mir-101-2	26623	9	+	4850297	4850375
TJU_CMC_MD2.ID03235.hairpin	26624	9	-	5437834	5437907
TJU_CMC_MD2.ID03236.hairpin	26625	9	-	5509899	5509964
TJU_CMC_MD2.ID03236.hairpin	26626	9	-	5509899	5509964
TJU_CMC_MD2.ID03237.hairpin	26627	9	+	5509902	5509965
TJU_CMC_MD2.ID03238.hairpin	26628	9	-	6007989	6008044
TJU_CMC_MD2.ID03239.hairpin	26629	9	+	6029661	6029718
TJU_CMC_MD2.ID03240.hairpin	26630	9	+	6411131	6411200
TJU_CMC_MD2.ID03241.hairpin	26631	9	+	6413212	6413268
TJU_CMC_MD2.ID03242.hairpin	26632	9	+	6757995	6758046
TJU_CMC_MD2.ID03243.hairpin	26633	9	-	7967921	7967978
TJU_CMC_MD2.ID03244.hairpin	26634	9	+	7967924	7967979
TJU_CMC_MD2.ID03244.hairpin	26635	9	+	7967924	7967979
TJU_CMC_MD2.ID03245.hairpin	26636	9	+	10967882	10967949
TJU_CMC_MD2.ID03246.hairpin	26637	9	+	12775863	12775921
TJU_CMC_MD2.ID03247.hairpin	26638	9	-	14347260	14347319
TJU_CMC_MD2.ID03248.hairpin	26639	9	+	15307246	15307302
TJU_CMC_MD2.ID03249.hairpin	26640	9	+	20140699	20140784
TJU_CMC_MD2.ID03250.hairpin;ID=MI0016825;Alias=MI0016825;Name=hsa-mir-4473	26641	9	-	20411146	20411236

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03251.hairpin	26642	9	+	21965035	21965108
TJU_CMC_MD2.ID03252.hairpin	26643	9	+	27079519	27079579
TJU_CMC_MD2.ID03253.hairpin	26644	9	+	30845923	30845979
TJU_CMC_MD2.ID03254.hairpin	26645	9	-	32456297	32456368
TJU_CMC_MD2.ID03256.hairpin	26646	9	-	34637723	34637785
TJU_CMC_MD2.ID03257.hairpin	26647	9	+	34995531	34995589
TJU_CMC_MD2.ID03258.hairpin	26648	9	-	35060435	35060524
TJU_CMC_MD2.ID03259.hairpin	26649	9	-	35719491	35719548
TJU_CMC_MD2.ID03260.hairpin	26650	9	+	35749124	35749188
TJU_CMC_MD2.ID03261.hairpin	26651	9	-	35791600	35791672
TJU_CMC_MD2.ID03262.hairpin	26652	9	+	36893461	36893528
TJU_CMC_MD2.ID03263.hairpin	26653	9	+	37157026	37157089
TJU_CMC_MD2.ID03263.hairpin	26654	9	+	37157026	37157089
TJU_CMC_MD2.ID03265.hairpin	26655	9	-	37465371	37465439
TJU_CMC_MD2.ID03266.hairpin	26656	9	+	37501454	37501535
TJU_CMC_MD2.ID03267.hairpin	26657	9	-	37804225	37804279
TJU_CMC_MD2.ID03268.hairpin	26658	9	+	37804226	37804282
TJU_CMC_MD2.ID03269.hairpin	26659	9	-	68998470	68998527
TJU_CMC_MD2.ID03270.hairpin	26660	9	-	72873732	72873801
TJU_CMC_MD2.ID03272.hairpin	26661	9	-	74980041	74980118
TJU_CMC_MD2.ID03273.hairpin	26662	9	+	77703412	77703471
TJU_CMC_MD2.ID03274.hairpin	26663	9	+	79172756	79172821
TJU_CMC_MD2.ID03275.hairpin	26664	9	+	79792416	79792487
TJU_CMC_MD2.ID03276.hairpin	26665	9	+	80647061	80647126
TJU_CMC_MD2.ID03277.hairpin	26666	9	-	80647344	80647410
TJU_CMC_MD2.ID03278.hairpin	26667	9	+	80912013	80912082
TJU_CMC_MD2.ID03279.hairpin	26668	9	+	86535937	86536006
TJU_CMC_MD2.ID03279.hairpin	26669	9	+	86535937	86536006
TJU_CMC_MD2.ID03280.hairpin	26670	9	+	88357111	88357173
TJU_CMC_MD2.ID03282.hairpin	26671	9	-	88969255	88969335
TJU_CMC_MD2.ID03283.hairpin	26672	9	+	88969553	88969604

Table 2. Additional miRNA sequences

TJU_CMC_MD2.ID03284.hairpin	26673	9	-	90411840	90411897
TJU_CMC_MD2.ID03286.hairpin	26674	9	+	91150627	91150677
TJU_CMC_MD2.ID03287.hairpin	26675	9	-	91925383	91925450
TJU_CMC_MD2.ID03288.hairpin;ID=MI0014180;Alia s=MI0014180;Name=hsa-mir-3153	26676	9	+	91927140	91927221
TJU_CMC_MD2.ID03289.hairpin	26677	9	+	91933549	91933620
TJU_CMC_MD2.ID03290.hairpin	26678	9	-	93563853	93563909
TJU_CMC_MD2.ID03291.hairpin	26679	9	+	93563857	93563910
TJU_CMC_MD2.ID03293.hairpin	26680	9	-	94124190	94124257
TJU_CMC_MD2.ID03294.hairpin	26681	9	+	94204899	94204970
TJU_CMC_MD2.ID03295.hairpin	26682	9	-	95432346	95432413
TJU_CMC_MD2.ID03296.hairpin	26683	9	-	95500874	95500934
TJU_CMC_MD2.ID03296.hairpin	26684	9	-	95500874	95500934
TJU_CMC_MD2.ID03297.hairpin	26685	9	+	95798465	95798517
TJU_CMC_MD2.ID03298.hairpin	26686	9	+	97767230	97767285
TJU_CMC_MD2.ID03299.hairpin;ID=MI0000440;Alia s=MI0000440;Name=hsa-mir-27b	26687	9	+	97847727	97847823
TJU_CMC_MD2.ID03300.hairpin;ID=MI0000080;Alia s=MI0000080;Name=hsa-mir-24-1	26688	9	+	97848303	97848370
TJU_CMC_MD2.ID03301.hairpin	26689	9	-	98638030	98638092
TJU_CMC_MD2.ID03302.hairpin	26690	9	-	99180473	99180528
TJU_CMC_MD2.ID03303.hairpin	26691	9	+	100276990	100277051
TJU_CMC_MD2.ID03304.hairpin	26692	9	-	100818831	100818890
TJU_CMC_MD2.ID03305.hairpin	26693	9	-	100954860	100954946
TJU_CMC_MD2.ID03306.hairpin	26694	9	-	102582326	102582384
TJU_CMC_MD2.ID03307.hairpin	26695	9	+	102964976	102965036
TJU_CMC_MD2.ID03308.hairpin	26696	9	+	103189662	103189725
TJU_CMC_MD2.ID03309.hairpin	26697	9	+	107510239	107510317
TJU_CMC_MD2.ID03311.hairpin	26698	9	-	111929304	111929378
TJU_CMC_MD2.ID03312.hairpin	26699	9	-	112081630	112081697

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TJU_CMC_MD2.ID03313.hairpin	26700	9	+	112404726	112404790
TJU_CMC_MD2.ID03314.hairpin	26701	9	+	114033439	114033496
TJU_CMC_MD2.ID03315.hairpin	26702	9	+	114393568	114393630
TJU_CMC_MD2.ID03316.hairpin	26703	9	+	114938072	114938155
TJU_CMC_MD2.ID03317.hairpin	26704	9	+	117063902	117063959
TJU_CMC_MD2.ID03318.hairpin	26705	9	+	120176908	120176984
TJU_CMC_MD2.ID03319.hairpin	26706	9	+	123477004	123477071
TJU_CMC_MD2.ID03320.hairpin	26707	9	+	124030446	124030498
TJU_CMC_MD2.ID03321.hairpin	26708	9	+	124061968	124062038
TJU_CMC_MD2.ID03322.hairpin	26709	9	+	124360710	124360791
TJU_CMC_MD2.ID03323.hairpin	26710	9	-	124855165	124855220
TJU_CMC_MD2.ID03324.hairpin	26711	9	+	125703340	125703409
TJU_CMC_MD2.ID03325.hairpin;ID=MI0003613;Alias=MI0003613;Name=hsa-mir-600	26712	9	-	125873825	125873922
TJU_CMC_MD2.ID03326.hairpin	26713	9	-	127010425	127010484
TJU_CMC_MD2.ID03327.hairpin;ID=MI0000683;Alias=MI0000683;Name=hsa-mir-181b-2	26714	9	+	127455989	127456077
TJU_CMC_MD2.ID03328.hairpin	26715	9	-	127465218	127465273
TJU_CMC_MD2.ID03329.hairpin	26716	9	+	127631436	127631493
TJU_CMC_MD2.ID03330.hairpin	26717	9	+	127631527	127631578
TJU_CMC_MD2.ID03331.hairpin	26718	9	-	128508823	128508892
TJU_CMC_MD2.ID03332.hairpin	26719	9	+	128509416	128509472
TJU_CMC_MD2.ID03333.hairpin	26720	9	+	129202413	129202472
TJU_CMC_MD2.ID03334.hairpin	26721	9	-	129484641	129484696
TJU_CMC_MD2.ID03335.hairpin	26722	9	+	129987489	129987557
TJU_CMC_MD2.ID03336.hairpin	26723	9	+	130160163	130160237
TJU_CMC_MD2.ID03337.hairpin	26724	9	-	130639884	130639945
TJU_CMC_MD2.ID03338.hairpin	26725	9	-	130661860	130661942
TJU_CMC_MD2.ID03339.hairpin	26726	9	-	130743195	130743262
TJU_CMC_MD2.ID03341.hairpin	26727	9	-	131023561	131023639
TJU_CMC_MD2.ID03342.hairpin	26728	9	+	131566174	131566235

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TJU_CMC_MD2.ID03343.hairpin	26729	9	+	131910266	131910352
TJU_CMC_MD2.ID03344.hairpin	26730	9	+	132146127	132146206
TJU_CMC_MD2.ID03345.hairpin	26731	9	-	132175540	132175610
TJU_CMC_MD2.ID03346.hairpin	26732	9	+	132404664	132404718
TJU_CMC_MD2.ID03347.hairpin	26733	9	-	133320379	133320438
TJU_CMC_MD2.ID03348.hairpin	26734	9	-	134404444	134404508
TJU_CMC_MD2.ID03349.hairpin	26735	9	-	134406575	134406634
TJU_CMC_MD2.ID03350.hairpin	26736	9	+	135169082	135169154
TJU_CMC_MD2.ID03352.hairpin;ID=MI0019283;Alia s=MI0019283;Name=hsa-mir-548aw	26737	9	+	135821094	135821158
TJU_CMC_MD2.ID03353.hairpin	26738	9	-	135878151	135878209
TJU_CMC_MD2.ID03354.hairpin	26739	9	-	135996511	135996572
TJU_CMC_MD2.ID03355.hairpin	26740	9	+	136007692	136007772
TJU_CMC_MD2.ID03356.hairpin	26741	9	-	136027934	136027987
TJU_CMC_MD2.ID03357.hairpin	26742	9	-	136127766	136127851
TJU_CMC_MD2.ID03358.hairpin	26743	9	-	136203058	136203107
TJU_CMC_MD2.ID03359.hairpin	26744	9	-	136223290	136223348
TJU_CMC_MD2.ID03360.hairpin	26745	9	-	136844717	136844781
TJU_CMC_MD2.ID03361.hairpin	26746	9	-	136856967	136857038
TJU_CMC_MD2.ID03362.hairpin	26747	9	+	136857767	136857819
TJU_CMC_MD2.ID03363.hairpin	26748	9	-	136912393	136912470
TJU_CMC_MD2.ID03364.hairpin	26749	9	+	137002213	137002288
TJU_CMC_MD2.ID03365.hairpin	26750	9	-	137040641	137040707
TJU_CMC_MD2.ID03366.hairpin	26751	9	+	137218119	137218204
TJU_CMC_MD2.ID03367.hairpin	26752	9	-	137218321	137218371
TJU_CMC_MD2.ID03368.hairpin	26753	9	+	137395013	137395070
TJU_CMC_MD2.ID03369.hairpin	26754	9	-	138237745	138237814
TJU_CMC_MD2.ID03370.hairpin	26755	9	+	138798924	138799000
TJU_CMC_MD2.ID03371.hairpin	26756	9	-	138903464	138903517
TJU_CMC_MD2.ID03372.hairpin	26757	9	-	138971955	138972027
TJU_CMC_MD2.ID03373.hairpin	26758	9	-	138995678	138995728

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TJU_CMC_MD2.ID03374.hairpin	26759	9	-	139223691	139223771
TJU_CMC_MD2.ID03375.hairpin	26760	9	+	139268269	139268321
TJU_CMC_MD2.ID03376.hairpin	26761	9	-	139334199	139334273
TJU_CMC_MD2.ID03377.hairpin	26762	9	-	139401094	139401148
TJU_CMC_MD2.ID03378.hairpin	26763	9	-	139412762	139412826
TJU_CMC_MD2.ID03380.hairpin	26764	9	-	139565067	139565124
TJU_CMC_MD2.ID03381.hairpin	26765	9	+	139565937	139565991
TJU_CMC_MD2.ID03381.hairpin	26766	9	+	139565937	139565991
TJU_CMC_MD2.ID03382.hairpin	26767	9	+	139608197	139608275
TJU_CMC_MD2.ID03383.hairpin	26768	9	+	139747675	139747733
TJU_CMC_MD2.ID03384.hairpin	26769	9	-	139835623	139835684
TJU_CMC_MD2.ID03385.hairpin	26770	9	-	139838619	139838679
TJU_CMC_MD2.ID03386.hairpin	26771	9	-	139872316	139872386
TJU_CMC_MD2.ID03387.hairpin	26772	9	-	139909262	139909335
TJU_CMC_MD2.ID03388.hairpin	26773	9	+	139971985	139972063
TJU_CMC_MD2.ID03389.hairpin	26774	9	+	140063733	140063786
TJU_CMC_MD2.ID03390.hairpin	26775	9	-	140094875	140094962
TJU_CMC_MD2.ID03391.hairpin	26776	9	-	140095124	140095177
TJU_CMC_MD2.ID03392.hairpin	26777	9	+	140110880	140110949
TJU_CMC_MD2.ID03393.hairpin	26778	9	-	140117392	140117454
TJU_CMC_MD2.ID03394.hairpin	26779	9	+	140136085	140136156
TJU_CMC_MD2.ID03395.hairpin	26780	9	+	140317844	140317905
TJU_CMC_MD2.ID03396.hairpin	26781	9	-	140513304	140513390
TJU_CMC_MD2.ID03397.hairpin	26782	9	+	140513473	140513536
TJU_CMC_MD2.ID03398.hairpin	26783	9	-	140917998	140918066
TJU_CMC_MD2.ID03399.hairpin	26784	MT	+	8162	8217
TJU_CMC_MD2.ID03400.hairpin	26785	MT	-	15821	15893
TJU_CMC_MD2.ID03402.hairpin	26786	X	+	70396	70471
TJU_CMC_MD2.ID03403.hairpin	26787	X	+	334431	334489
TJU_CMC_MD2.ID03404.hairpin	26788	X	+	1511274	1511339

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TJU_CMC_MD2.ID03406.hairpin	26789	X	-	1571720	1571772
TJU_CMC_MD2.ID03407.hairpin	26790	X	+	2871627	2871696
TJU_CMC_MD2.ID03408.hairpin	26791	X	-	3731611	3731669
TJU_CMC_MD2.ID03409.hairpin	26792	X	-	9983497	9983588
TJU_CMC_MD2.ID03409.hairpin	26793	X	-	9983497	9983588
TJU_CMC_MD2.ID03410.hairpin	26794	X	+	10106832	10106918
TJU_CMC_MD2.ID03411.hairpin	26795	X	+	11446059	11446116
TJU_CMC_MD2.ID03412.hairpin	26796	X	+	11777118	11777179
TJU_CMC_MD2.ID03413.hairpin	26797	X	-	12940783	12940854
TJU_CMC_MD2.ID03414.hairpin	26798	X	-	12974321	12974379
TJU_CMC_MD2.ID03416.hairpin	26799	X	+	18372846	18372924
TJU_CMC_MD2.ID03417.hairpin	26800	X	-	18921780	18921853
TJU_CMC_MD2.ID03418.hairpin	26801	X	+	19140688	19140756
TJU_CMC_MD2.ID03419.hairpin	26802	X	-	20135150	20135235
TJU_CMC_MD2.ID03420.hairpin	26803	X	+	20285282	20285350
TJU_CMC_MD2.ID03422.hairpin	26804	X	+	24043062	24043113
TJU_CMC_MD2.ID03423.hairpin	26805	X	-	32280690	32280748
TJU_CMC_MD2.ID03424.hairpin;ID=MI0016420;Alias=MI0016420;Name=hsa-mir-3915	26806	X	-	32601773	32601869
TJU_CMC_MD2.ID03425.hairpin	26807	X	-	34675321	34675376
TJU_CMC_MD2.ID03427.hairpin	26808	X	+	37706952	37707018
TJU_CMC_MD2.ID03428.hairpin	26809	X	+	40944890	40944943
TJU_CMC_MD2.ID03429.hairpin	26810	X	+	42574654	42574706
TJU_CMC_MD2.ID03430.hairpin	26811	X	+	47092476	47092561
TJU_CMC_MD2.ID03431.hairpin	26812	X	+	48650438	48650494
TJU_CMC_MD2.ID03432.hairpin	26813	X	+	48673316	48673369
TJU_CMC_MD2.ID03433.hairpin	26814	X	-	48748787	48748846
TJU_CMC_MD2.ID03434.hairpin	26815	X	+	49056695	49056754
TJU_CMC_MD2.ID03435.hairpin	26816	X	+	52964448	52964504

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TJU_CMC_MD2.ID03436.hairpin	26817	X	+	53224265	53224314
TJU_CMC_MD2.ID03437.hairpin	26818	X	-	53931313	53931368
TJU_CMC_MD2.ID03438.hairpin	26819	X	+	54589739	54589795
TJU_CMC_MD2.ID03440.hairpin	26820	X	+	71130727	71130793
TJU_CMC_MD2.ID03442.hairpin	26821	X	-	76189149	76189207
TJU_CMC_MD2.ID03443.hairpin	26822	X	+	84395537	84395593
TJU_CMC_MD2.ID03444.hairpin	26823	X	-	100615746	100615814
TJU_CMC_MD2.ID03444.hairpin	26824	X	-	100615746	100615814
TJU_CMC_MD2.ID03445.hairpin	26825	X	-	101186811	101186875
TJU_CMC_MD2.ID03446.hairpin	26826	X	+	101967899	101967968
TJU_CMC_MD2.ID03447.hairpin	26827	X	-	103035124	103035196
TJU_CMC_MD2.ID03448.hairpin	26828	X	+	106243104	106243188
TJU_CMC_MD2.ID03449.hairpin	26829	X	+	106445886	106445957
TJU_CMC_MD2.ID03450.hairpin	26830	X	+	106983122	106983174
TJU_CMC_MD2.ID03451.hairpin	26831	X	+	107014200	107014273
TJU_CMC_MD2.ID03452.hairpin	26832	X	+	107069179	107069233
TJU_CMC_MD2.ID03453.hairpin	26833	X	+	108976588	108976656
TJU_CMC_MD2.ID03454.hairpin;ID=MI0003944;Alias=MI0003944;Name=hsa-mir-764	26834	X	+	113873918	113874002
TJU_CMC_MD2.ID03455.hairpin;ID=MI0003758;Alias=MI0003758;Name=hsa-mir-1264	26835	X	+	113887130	113887198
TJU_CMC_MD2.ID03456.hairpin;ID=MI0001637;Alias=MI0001637;Name=hsa-mir-448	26836	X	+	114058017	114058127
TJU_CMC_MD2.ID03457.hairpin	26837	X	+	117575335	117575394
TJU_CMC_MD2.ID03458.hairpin	26838	X	+	117861513	117861594
TJU_CMC_MD2.ID03459.hairpin	26839	X	+	118533313	118533372
TJU_CMC_MD2.ID03459.hairpin	26840	X	+	118533313	118533372
TJU_CMC_MD2.ID03460.hairpin	26841	X	+	125715136	125715213
TJU_CMC_MD2.ID03461.hairpin	26842	X	-	125836051	125836138
TJU_CMC_MD2.ID03462.hairpin	26843	X	-	128657005	128657055
TJU_CMC_MD2.ID03463.hairpin	26844	X	+	128924417	128924476

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TJU_CMC_MD2.ID03464.hairpin	26845	X	+	128926910	128926963	
TJU_CMC_MD2.ID03465.hairpin	26846	X	+	129065708	129065766	
TJU_CMC_MD2.ID03466.hairpin;ID=MI0001652;Alias=MI0001652;Name=hsa-mir-450a-1	26847	X	-	133674371	133674461	
TJU_CMC_MD2.ID03467.hairpin;ID=MI0003686;Alias=MI0003686;Name=hsa-mir-542	26848	X	-	133675371	133675467	
TJU_CMC_MD2.ID03468.hairpin	26849	X	-	134166254	134166305	
TJU_CMC_MD2.ID03469.hairpin	26850	X	-	134459118	134459181	
TJU_CMC_MD2.ID03470.hairpin	26851	X	+	134478753	134478815	
TJU_CMC_MD2.ID03471.hairpin	26852	X	-	135067544	135067627	
TJU_CMC_MD2.ID03472.hairpin;ID=MI0005756;Alias=MI0005756;Name=hsa-mir-934	26853	X	+	135633037	135633119	
TJU_CMC_MD2.ID03473.hairpin	26854	X	-	139005492	139005549	
TJU_CMC_MD2.ID03475.hairpin	26855	X	-	149533950	149534011	
TJU_CMC_MD2.ID03476.hairpin	26856	X	-	149861814	149861870	
TJU_CMC_MD2.ID03477.hairpin	26857	X	+	152599614	152599667	
TJU_CMC_MD2.ID03478.hairpin	26858	X	+	152599699	152599755	
TJU_CMC_MD2.ID03479.hairpin	26859	X	+	152600928	152600988	
TJU_CMC_MD2.ID03480.hairpin	26860	X	+	152771250	152771321	
TJU_CMC_MD2.ID03481.hairpin	26861	X	+	153033222	153033275	
TJU_CMC_MD2.ID03481.hairpin	26862	X	+	153033222	153033275	
TJU_CMC_MD2.ID03482.hairpin	26863	X	+	153039813	153039872	
TJU_CMC_MD2.ID03483.hairpin	26864	X	-	153055279	153055329	
TJU_CMC_MD2.ID03484.hairpin	26865	X	-	153178950	153179006	
TJU_CMC_MD2.ID03485.hairpin	26866	X	-	153200316	153200395	
TJU_CMC_MD2.ID03486.hairpin	26867	X	-	153285049	153285113	
TJU_CMC_MD2.ID03487.hairpin;ID=MI0012489;Alias=MI0012489;Name=hsa-mir-718	26868	X	-	153285371	153285440	
TJU_CMC_MD2.ID03488.hairpin	26869	X	-	153590952	153591013	
TJU_CMC_MD2.ID03489.hairpin	26870	X	-	153593854	153593910	
TJU_CMC_MD2.ID03489.hairpin	26871	X	-	153593854	153593910	

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TJU_CMC_MD2.ID03490.hairpin	26872	X	+	153665200	153665256
TJU_CMC_MD2.ID03491.hairpin	26873	X	+	153718762	153718819
TJU_CMC_MD2.ID03492.hairpin	26874	X	-	154254920	154254987
TJU_CMC_MD2.ID03494.hairpin	26875	Y	+	15016808	15016861
TJU_CMC_MD2.ID03495.hairpin	26876	Y	+	19149885	19149937
DIP_TJU_CMC_MD2.ID00011.hairpin	26877	1	+	1284693	1284749
DIP_TJU_CMC_MD2.ID00011.hairpin	26878	1	+	1284693	1284749
DIP_TJU_CMC_MD2.ID00019.hairpin	26879	1	-	1729949	1730011
DIP_TJU_CMC_MD2.ID00057.hairpin	26880	1	-	12647947	12648008
DIP_TJU_CMC_MD2.ID00126.hairpin	26881	1	+	44066139	44066198
DIP_TJU_CMC_MD2.ID00133.hairpin	26882	1	-	45187053	45187115
DIP_TJU_CMC_MD2.ID00134.hairpin	26883	1	-	45349964	45350020
DIP_TJU_CMC_MD2.ID00146.hairpin	26884	1	-	56902175	56902238
DIP_TJU_CMC_MD2.ID00146.hairpin	26885	1	-	56902175	56902238
DIP_TJU_CMC_MD2.ID00147.hairpin	26886	1	+	56902177	56902242
DIP_TJU_CMC_MD2.ID00158.hairpin	26887	1	-	84228768	84228829
DIP_TJU_CMC_MD2.ID00168.hairpin	26888	1	+	94713397	94713457
DIP_TJU_CMC_MD2.ID00182.hairpin	26889	1	+	113230669	113230723
DIP_TJU_CMC_MD2.ID00193.hairpin	26890	1	+	149900286	149900338
DIP_TJU_CMC_MD2.ID00194.hairpin	26891	1	+	150207085	150207138
DIP_TJU_CMC_MD2.ID00208.hairpin	26892	1	-	154974243	154974300
DIP_TJU_CMC_MD2.ID00237.hairpin	26893	1	+	171560219	171560286
DIP_TJU_CMC_MD2.ID00251.hairpin	26894	1	+	193126397	193126455
DIP_TJU_CMC_MD2.ID00254.hairpin	26895	1	-	200960859	200960912
DIP_TJU_CMC_MD2.ID00260.hairpin	26896	1	+	204965456	204965513
DIP_TJU_CMC_MD2.ID00275.hairpin	26897	1	+	221250001	221250060
DIP_TJU_CMC_MD2.ID00279.hairpin	26898	1	-	226033876	226033936
DIP_TJU_CMC_MD2.ID00292.hairpin	26899	1	+	236070051	236070110
DIP_TJU_CMC_MD2.ID00308.hairpin	26900	10	+	1095196	1095251
DIP_TJU_CMC_MD2.ID00314.hairpin	26901	10	-	4673210	4673272
DIP_TJU_CMC_MD2.ID00314.hairpin	26902	10	-	4673210	4673272

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DIP_TJU_CMC_MD2.ID00317.hairpin	26903	10	+	5729070	5729130
DIP_TJU_CMC_MD2.ID00319.hairpin	26904	10	-	5994724	5994788
DIP_TJU_CMC_MD2.ID00341.hairpin	26905	10	+	32020219	32020278
DIP_TJU_CMC_MD2.ID00350.hairpin	26906	10	+	43966686	43966744
DIP_TJU_CMC_MD2.ID00350.hairpin	26907	10	+	43966686	43966744
DIP_TJU_CMC_MD2.ID00357.hairpin	26908	10	+	50035527	50035588
DIP_TJU_CMC_MD2.ID00357.hairpin	26909	10	+	50035527	50035588
DIP_TJU_CMC_MD2.ID00371.hairpin	26910	10	-	72082673	72082733
DIP_TJU_CMC_MD2.ID00383.hairpin	26911	10	-	75888466	75888531
DIP_TJU_CMC_MD2.ID00383.hairpin	26912	10	-	75888466	75888531
DIP_TJU_CMC_MD2.ID00405.hairpin	26913	10	+	94624510	94624568
DIP_TJU_CMC_MD2.ID00410.hairpin	26914	10	-	99635581	99635641
DIP_TJU_CMC_MD2.ID00415.hairpin	26915	10	+	102757024	102757102
DIP_TJU_CMC_MD2.ID00438.hairpin	26916	10	-	115051389	115051439
DIP_TJU_CMC_MD2.ID00468.hairpin	26917	11	-	418401	418460
DIP_TJU_CMC_MD2.ID00501.hairpin	26918	11	+	12343060	12343119
DIP_TJU_CMC_MD2.ID00506.hairpin	26919	11	-	19733668	19733724
DIP_TJU_CMC_MD2.ID00511.hairpin	26920	11	-	31821696	31821755
DIP_TJU_CMC_MD2.ID00514.hairpin	26921	11	+	33199108	33199170
DIP_TJU_CMC_MD2.ID00532.hairpin	26922	11	-	57176274	57176336
DIP_TJU_CMC_MD2.ID00532.hairpin	26923	11	-	57176274	57176336
DIP_TJU_CMC_MD2.ID00533.hairpin	26924	11	-	58272089	58272149
DIP_TJU_CMC_MD2.ID00533.hairpin	26925	11	-	58272089	58272149
DIP_TJU_CMC_MD2.ID00543.hairpin	26926	11	+	64024025	64024090
DIP_TJU_CMC_MD2.ID00547.hairpin	26927	11	+	64109318	64109381
DIP_TJU_CMC_MD2.ID00599.hairpin	26928	11	+	76156409	76156472
DIP_TJU_CMC_MD2.ID00608.hairpin	26929	11	+	92379082	92379141
DIP_TJU_CMC_MD2.ID00612.hairpin	26930	11	+	100841607	100841662
DIP_TJU_CMC_MD2.ID00617.hairpin	26931	11	+	112563025	112563098
DIP_TJU_CMC_MD2.ID00618.hairpin	26932	11	-	113644390	113644452
DIP_TJU_CMC_MD2.ID00636.hairpin	26933	11	+	121353180	121353237

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DIP_TJU_CMC_MD2.ID00638.hairpin	26934	11	-	122026904	122026967
DIP_TJU_CMC_MD2.ID00639.hairpin	26935	11	+	122650510	122650569
DIP_TJU_CMC_MD2.ID00639.hairpin	26936	11	+	122650510	122650569
DIP_TJU_CMC_MD2.ID00641.hairpin	26937	11	+	123480430	123480497
DIP_TJU_CMC_MD2.ID00661.hairpin	26938	12	-	2027600	2027664
DIP_TJU_CMC_MD2.ID00679.hairpin	26939	12	+	13041605	13041662
DIP_TJU_CMC_MD2.ID00683.hairpin	26940	12	+	21671603	21671660
DIP_TJU_CMC_MD2.ID00685.hairpin	26941	12	-	26957043	26957106
DIP_TJU_CMC_MD2.ID00685.hairpin	26942	12	-	26957043	26957106
DIP_TJU_CMC_MD2.ID00691.hairpin	26943	12	-	46590646	46590705
DIP_TJU_CMC_MD2.ID00691.hairpin	26944	12	-	46590646	46590705
DIP_TJU_CMC_MD2.ID00716.hairpin	26945	12	-	66251817	66251885
DIP_TJU_CMC_MD2.ID00716.hairpin	26946	12	-	66251817	66251885
DIP_TJU_CMC_MD2.ID00720.hairpin	26947	12	-	70631127	70631186
DIP_TJU_CMC_MD2.ID00724.hairpin	26948	12	-	81300353	81300410
DIP_TJU_CMC_MD2.ID00726.hairpin	26949	12	-	87138855	87138913
DIP_TJU_CMC_MD2.ID00726.hairpin	26950	12	-	87138855	87138913
DIP_TJU_CMC_MD2.ID00745.hairpin	26951	12	+	105721693	105721760
DIP_TJU_CMC_MD2.ID00750.hairpin	26952	12	-	108141102	108141154
DIP_TJU_CMC_MD2.ID00763.hairpin	26953	12	+	116822700	116822759
DIP_TJU_CMC_MD2.ID00771.hairpin	26954	12	-	121312440	121312496
DIP_TJU_CMC_MD2.ID00771.hairpin	26955	12	-	121312440	121312496
DIP_TJU_CMC_MD2.ID00785.hairpin	26956	12	-	124921988	124922048
DIP_TJU_CMC_MD2.ID00785.hairpin	26957	12	-	124921988	124922048
DIP_TJU_CMC_MD2.ID00790.hairpin	26958	12	+	125514086	125514147
DIP_TJU_CMC_MD2.ID00804.hairpin	26959	13	+	21974115	21974173
DIP_TJU_CMC_MD2.ID00806.hairpin	26960	13	+	27259472	27259535
DIP_TJU_CMC_MD2.ID00815.hairpin	26961	13	+	35537588	35537647
DIP_TJU_CMC_MD2.ID00820.hairpin	26962	13	-	48602649	48602706
DIP_TJU_CMC_MD2.ID00834.hairpin	26963	13	-	80583317	80583391
DIP_TJU_CMC_MD2.ID00873.hairpin	26964	14	+	33748766	33748825

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DIP_TJU_CMC_MD2.ID00876.hairpin	26965	14	+	36673763	36673820
DIP_TJU_CMC_MD2.ID00876.hairpin	26966	14	+	36673763	36673820
DIP_TJU_CMC_MD2.ID00924.hairpin	26967	14	+	94579986	94580043
DIP_TJU_CMC_MD2.ID00957.hairpin	26968	14	-	105198063	105198120
DIP_TJU_CMC_MD2.ID00963.hairpin	26969	14	+	105993465	105993523
DIP_TJU_CMC_MD2.ID00971.hairpin	26970	15	+	34277590	34277643
DIP_TJU_CMC_MD2.ID00971.hairpin	26971	15	+	34277590	34277643
DIP_TJU_CMC_MD2.ID00977.hairpin	26972	15	+	40226354	40226411
DIP_TJU_CMC_MD2.ID01021.hairpin	26973	15	+	68095175	68095232
DIP_TJU_CMC_MD2.ID01038.hairpin	26974	15	-	76486415	76486472
DIP_TJU_CMC_MD2.ID01038.hairpin	26975	15	-	76486415	76486472
DIP_TJU_CMC_MD2.ID01060.hairpin	26976	15	+	94776521	94776587
DIP_TJU_CMC_MD2.ID01111.hairpin	26977	16	+	3704453	3704523
DIP_TJU_CMC_MD2.ID01118.hairpin	26978	16	-	10622727	10622795
DIP_TJU_CMC_MD2.ID01165.hairpin	26979	16	-	57466275	57466335
DIP_TJU_CMC_MD2.ID01179.hairpin	26980	16	-	70453021	70453081
DIP_TJU_CMC_MD2.ID01188.hairpin	26981	16	+	78414401	78414452
DIP_TJU_CMC_MD2.ID01188.hairpin	26982	16	+	78414401	78414452
DIP_TJU_CMC_MD2.ID01192.hairpin;ID=MI0025524;Alias=MI0025524;Name=hsa-mir-7854	26983	16	+	81567507	81567571
DIP_TJU_CMC_MD2.ID01193.hairpin	26984	16	+	81705984	81706045
DIP_TJU_CMC_MD2.ID01198.hairpin	26985	16	+	85507487	85507548
DIP_TJU_CMC_MD2.ID01198.hairpin	26986	16	+	85507487	85507548
DIP_TJU_CMC_MD2.ID01239.hairpin	26987	17	+	2936046	2936110
DIP_TJU_CMC_MD2.ID01250.hairpin	26988	17	-	7210149	7210207
DIP_TJU_CMC_MD2.ID01250.hairpin	26989	17	-	7210149	7210207
DIP_TJU_CMC_MD2.ID01283.hairpin	26990	17	-	27908860	27908911
DIP_TJU_CMC_MD2.ID01296.hairpin	26991	17	-	36742218	36742277
DIP_TJU_CMC_MD2.ID01300.hairpin	26992	17	+	37043135	37043194
DIP_TJU_CMC_MD2.ID01301.hairpin	26993	17	+	37043285	37043350
DIP_TJU_CMC_MD2.ID01317.hairpin	26994	17	-	41960424	41960480

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DIP_TJU_CMC_MD2.ID01325.hairpin	26995	17	+	42299269	42299326
DIP_TJU_CMC_MD2.ID01326.hairpin	26996	17	+	42344332	42344389
DIP_TJU_CMC_MD2.ID01326.hairpin	26997	17	+	42344332	42344389
DIP_TJU_CMC_MD2.ID01348.hairpin	26998	17	+	46134645	46134706
DIP_TJU_CMC_MD2.ID01349.hairpin	26999	17	-	46199546	46199607
DIP_TJU_CMC_MD2.ID01349.hairpin	27000	17	-	46199546	46199607
DIP_TJU_CMC_MD2.ID01365.hairpin	27001	17	+	56412670	56412722
DIP_TJU_CMC_MD2.ID01372.hairpin	27002	17	-	61515866	61515924
DIP_TJU_CMC_MD2.ID01377.hairpin	27003	17	-	65822074	65822134
DIP_TJU_CMC_MD2.ID01380.hairpin	27004	17	+	66383137	66383202
DIP_TJU_CMC_MD2.ID01383.hairpin	27005	17	-	70406767	70406824
DIP_TJU_CMC_MD2.ID01408.hairpin	27006	17	+	75675458	75675512
DIP_TJU_CMC_MD2.ID01408.hairpin	27007	17	+	75675458	75675512
DIP_TJU_CMC_MD2.ID01438.hairpin	27008	17	+	79825055	79825115
DIP_TJU_CMC_MD2.ID01446.hairpin	27009	17	+	80057224	80057290
DIP_TJU_CMC_MD2.ID01463.hairpin	27010	18	+	980056	980114
DIP_TJU_CMC_MD2.ID01475.hairpin	27011	18	-	9017242	9017301
DIP_TJU_CMC_MD2.ID01490.hairpin	27012	18	+	43423107	43423166
DIP_TJU_CMC_MD2.ID01496.hairpin	27013	18	+	47824896	47824957
DIP_TJU_CMC_MD2.ID01499.hairpin	27014	18	+	55904938	55905007
DIP_TJU_CMC_MD2.ID01504.hairpin	27015	18	-	71811346	71811405
DIP_TJU_CMC_MD2.ID01506.hairpin	27016	18	-	72264718	72264777
DIP_TJU_CMC_MD2.ID01534.hairpin	27017	19	-	1253359	1253424
DIP_TJU_CMC_MD2.ID01556.hairpin;ID=MI0025520;Alias=MI0025520;Name=hsa-mir-7850	27018	19	+	2630713	2630791
DIP_TJU_CMC_MD2.ID01581.hairpin	27019	19	+	5978316	5978372
DIP_TJU_CMC_MD2.ID01607.hairpin	27020	19	-	10926302	10926367
DIP_TJU_CMC_MD2.ID01607.hairpin	27021	19	-	10926302	10926367
DIP_TJU_CMC_MD2.ID01620.hairpin	27022	19	+	13063444	13063502
DIP_TJU_CMC_MD2.ID01664.hairpin	27023	19	+	18395493	18395552
DIP_TJU_CMC_MD2.ID01664.hairpin	27024	19	+	18395493	18395552

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DIP_TJU_CMC_MD2.ID01692.hairpin	27025	19	+	35652429	35652488
DIP_TJU_CMC_MD2.ID01692.hairpin	27026	19	+	35652429	35652488
DIP_TJU_CMC_MD2.ID01727.hairpin	27027	19	+	43772416	43772474
DIP_TJU_CMC_MD2.ID01731.hairpin	27028	19	+	45492635	45492691
DIP_TJU_CMC_MD2.ID01772.hairpin	27029	19	-	55736855	55736909
DIP_TJU_CMC_MD2.ID01772.hairpin	27030	19	-	55736855	55736909
DIP_TJU_CMC_MD2.ID01780.hairpin	27031	19	+	57950479	57950539
DIP_TJU_CMC_MD2.ID01789.hairpin	27032	2	+	7057864	7057940
DIP_TJU_CMC_MD2.ID01794.hairpin	27033	2	-	17934537	17934597
DIP_TJU_CMC_MD2.ID01807.hairpin	27034	2	+	28616527	28616586
DIP_TJU_CMC_MD2.ID01809.hairpin	27035	2	+	29510611	29510661
DIP_TJU_CMC_MD2.ID01813.hairpin	27036	2	+	33498399	33498462
DIP_TJU_CMC_MD2.ID01813.hairpin	27037	2	+	33498399	33498462
DIP_TJU_CMC_MD2.ID01818.hairpin	27038	2	-	38603908	38603959
DIP_TJU_CMC_MD2.ID01826.hairpin	27039	2	-	46496700	46496757
DIP_TJU_CMC_MD2.ID01826.hairpin	27040	2	-	46496700	46496757
DIP_TJU_CMC_MD2.ID01844.hairpin	27041	2	-	71083968	71084024
DIP_TJU_CMC_MD2.ID01852.hairpin	27042	2	-	83220571	83220640
DIP_TJU_CMC_MD2.ID01862.hairpin	27043	2	-	96648853	96648906
DIP_TJU_CMC_MD2.ID01886.hairpin	27044	2	+	109870424	109870485
DIP_TJU_CMC_MD2.ID01887.hairpin	27045	2	+	111892962	111893022
DIP_TJU_CMC_MD2.ID01914.hairpin	27046	2	-	133670660	133670719
DIP_TJU_CMC_MD2.ID01952.hairpin	27047	2	+	200548430	200548489
DIP_TJU_CMC_MD2.ID01963.hairpin	27048	2	-	218905715	218905767
DIP_TJU_CMC_MD2.ID01963.hairpin	27049	2	-	218905715	218905767
DIP_TJU_CMC_MD2.ID01974.hairpin	27050	2	-	225805550	225805606
DIP_TJU_CMC_MD2.ID01979.hairpin	27051	2	+	227715974	227716031
DIP_TJU_CMC_MD2.ID01980.hairpin	27052	2	-	227988984	227989041
DIP_TJU_CMC_MD2.ID02026.hairpin	27053	20	-	3987448	3987507
DIP_TJU_CMC_MD2.ID02034.hairpin	27054	20	+	18488483	18488539
DIP_TJU_CMC_MD2.ID02086.hairpin	27055	20	-	50733192	50733251

Table 2. Additional miRNA sequences

DIP_TJU_CMC_MD2.ID02131.hairpin	27056	21	+	25488877	25488935
DIP_TJU_CMC_MD2.ID02138.hairpin	27057	21	+	34103298	34103354
DIP_TJU_CMC_MD2.ID02168.hairpin	27058	22	+	18190166	18190222
DIP_TJU_CMC_MD2.ID02176.hairpin	27059	22	+	20052703	20052764
DIP_TJU_CMC_MD2.ID02176.hairpin	27060	22	+	20052703	20052764
DIP_TJU_CMC_MD2.ID02185.hairpin	27061	22	+	24752938	24753001
DIP_TJU_CMC_MD2.ID02186.hairpin	27062	22	+	24833922	24833986
DIP_TJU_CMC_MD2.ID02188.hairpin	27063	22	-	26968292	26968349
DIP_TJU_CMC_MD2.ID02188.hairpin	27064	22	-	26968292	26968349
DIP_TJU_CMC_MD2.ID02206.hairpin	27065	22	-	34199998	34200055
DIP_TJU_CMC_MD2.ID02208.hairpin	27066	22	-	36309656	36309737
DIP_TJU_CMC_MD2.ID02218.hairpin	27067	22	-	38640810	38640871
DIP_TJU_CMC_MD2.ID02241.hairpin	27068	22	-	44010719	44010779
DIP_TJU_CMC_MD2.ID02253.hairpin	27069	22	-	50002784	50002841
DIP_TJU_CMC_MD2.ID02282.hairpin	27070	3	-	9884945	9885004
DIP_TJU_CMC_MD2.ID02283.hairpin	27071	3	+	9884947	9885006
DIP_TJU_CMC_MD2.ID02341.hairpin	27072	3	+	52557373	52557441
DIP_TJU_CMC_MD2.ID02347.hairpin	27073	3	+	53797073	53797133
DIP_TJU_CMC_MD2.ID02364.hairpin	27074	3	+	105289190	105289243
DIP_TJU_CMC_MD2.ID02365.hairpin	27075	3	+	108181262	108181323
DIP_TJU_CMC_MD2.ID02367.hairpin	27076	3	+	113311103	113311160
DIP_TJU_CMC_MD2.ID02367.hairpin	27077	3	+	113311103	113311160
DIP_TJU_CMC_MD2.ID02377.hairpin	27078	3	+	122888090	122888153
DIP_TJU_CMC_MD2.ID02389.hairpin;ID=MI0025752;Alias=MI0025752;Name=hsa-mir-7976	27079	3	-	127305954	127306019
DIP_TJU_CMC_MD2.ID02390.hairpin	27080	3	-	127478545	127478603
DIP_TJU_CMC_MD2.ID02412.hairpin	27081	3	-	145249912	145249967
DIP_TJU_CMC_MD2.ID02419.hairpin	27082	3	+	157480639	157480698
DIP_TJU_CMC_MD2.ID02441.hairpin	27083	3	-	189900529	189900580
DIP_TJU_CMC_MD2.ID02454.hairpin	27084	3	+	197750691	197750746
DIP_TJU_CMC_MD2.ID02475.hairpin	27085	4	+	2945616	2945676

Table 2. Additional miRNA sequences

DIP_TJU_CMC_MD2.ID02488.hairpin	27086	4	+	8271480	8271547
DIP_TJU_CMC_MD2.ID02488.hairpin	27087	4	+	8271480	8271547
DIP_TJU_CMC_MD2.ID02495.hairpin	27088	4	+	16229461	16229515
DIP_TJU_CMC_MD2.ID02497.hairpin;ID=MI0025754;Alias=MI0025754;Name=hsa-mir-7978	27089	4	-	21466323	21466381
DIP_TJU_CMC_MD2.ID02508.hairpin	27090	4	+	39240138	39240199
DIP_TJU_CMC_MD2.ID02514.hairpin	27091	4	-	48222139	48222200
DIP_TJU_CMC_MD2.ID02514.hairpin	27092	4	-	48222139	48222200
DIP_TJU_CMC_MD2.ID02535.hairpin	27093	4	-	76895035	76895090
DIP_TJU_CMC_MD2.ID02536.hairpin	27094	4	-	77969641	77969703
DIP_TJU_CMC_MD2.ID02555.hairpin	27095	4	+	104343275	104343334
DIP_TJU_CMC_MD2.ID02559.hairpin;ID=MI0006373;Alias=MI0006373;Name=hsa-mir-1243	27096	4	+	114028019	114028111
DIP_TJU_CMC_MD2.ID02563.hairpin	27097	4	+	129471308	129471369
DIP_TJU_CMC_MD2.ID02565.hairpin	27098	4	-	139228328	139228386
DIP_TJU_CMC_MD2.ID02565.hairpin	27099	4	-	139228328	139228386
DIP_TJU_CMC_MD2.ID02569.hairpin	27100	4	+	141073442	141073501
DIP_TJU_CMC_MD2.ID02614.hairpin	27101	5	+	31219607	31219667
DIP_TJU_CMC_MD2.ID02615.hairpin	27102	5	-	31470535	31470592
DIP_TJU_CMC_MD2.ID02619.hairpin	27103	5	-	34045841	34045902
DIP_TJU_CMC_MD2.ID02620.hairpin	27104	5	-	34538008	34538069
DIP_TJU_CMC_MD2.ID02637.hairpin	27105	5	+	56680072	56680133
DIP_TJU_CMC_MD2.ID02641.hairpin	27106	5	+	66760366	66760428
DIP_TJU_CMC_MD2.ID02647.hairpin	27107	5	+	72144640	72144697
DIP_TJU_CMC_MD2.ID02656.hairpin	27108	5	+	81268060	81268114
DIP_TJU_CMC_MD2.ID02663.hairpin	27109	5	-	94251402	94251463
DIP_TJU_CMC_MD2.ID02671.hairpin	27110	5	+	108949189	108949244
DIP_TJU_CMC_MD2.ID02674.hairpin	27111	5	+	118407387	118407443
DIP_TJU_CMC_MD2.ID02676.hairpin	27112	5	-	118665485	118665545
DIP_TJU_CMC_MD2.ID02725.hairpin	27113	5	+	156736995	156737057
DIP_TJU_CMC_MD2.ID02742.hairpin	27114	5	+	173278563	173278619

Table 2. Additional miRNA sequences

DIP_TJU_CMC_MD2.ID02753.hairpin	27115	5	-	176766347	176766412
DIP_TJU_CMC_MD2.ID02753.hairpin	27116	5	-	176766347	176766412
DIP_TJU_CMC_MD2.ID02755.hairpin	27117	5	+	176861970	176862027
DIP_TJU_CMC_MD2.ID02782.hairpin	27118	6	+	5773857	5773937
DIP_TJU_CMC_MD2.ID02827.hairpin	27119	6	+	38630479	38630534
DIP_TJU_CMC_MD2.ID02828.hairpin	27120	6	+	39042090	39042157
DIP_TJU_CMC_MD2.ID02835.hairpin	27121	6	-	41701289	41701348
DIP_TJU_CMC_MD2.ID02835.hairpin	27122	6	-	41701289	41701348
DIP_TJU_CMC_MD2.ID02872.hairpin	27123	6	-	108097507	108097563
DIP_TJU_CMC_MD2.ID02876.hairpin	27124	6	+	120144252	120144314
DIP_TJU_CMC_MD2.ID02876.hairpin	27125	6	+	120144252	120144314
DIP_TJU_CMC_MD2.ID02897.hairpin	27126	6	-	143770740	143770804
DIP_TJU_CMC_MD2.ID02901.hairpin	27127	6	+	147525290	147525345
DIP_TJU_CMC_MD2.ID02912.hairpin	27128	6	-	156653677	156653738
DIP_TJU_CMC_MD2.ID02912.hairpin	27129	6	-	156653677	156653738
DIP_TJU_CMC_MD2.ID02940.hairpin	27130	7	-	1987345	1987396
DIP_TJU_CMC_MD2.ID02997.hairpin	27131	7	+	65544886	65544945
DIP_TJU_CMC_MD2.ID03010.hairpin	27132	7	-	74072580	74072638
DIP_TJU_CMC_MD2.ID03021.hairpin	27133	7	-	92311784	92311848
DIP_TJU_CMC_MD2.ID03043.hairpin	27134	7	-	110356160	110356219
DIP_TJU_CMC_MD2.ID03094.hairpin	27135	8	+	893004	893060
DIP_TJU_CMC_MD2.ID03094.hairpin	27136	8	+	893004	893060
DIP_TJU_CMC_MD2.ID03095.hairpin	27137	8	-	1703294	1703360
DIP_TJU_CMC_MD2.ID03095.hairpin	27138	8	-	1703294	1703360
DIP_TJU_CMC_MD2.ID03103.hairpin	27139	8	+	11352748	11352800
DIP_TJU_CMC_MD2.ID03109.hairpin	27140	8	-	14858095	14858153
DIP_TJU_CMC_MD2.ID03109.hairpin	27141	8	-	14858095	14858153
DIP_TJU_CMC_MD2.ID03152.hairpin	27142	8	-	71129383	71129445
DIP_TJU_CMC_MD2.ID03159.hairpin	27143	8	+	75584969	75585032
DIP_TJU_CMC_MD2.ID03159.hairpin	27144	8	+	75584969	75585032
DIP_TJU_CMC_MD2.ID03160.hairpin	27145	8	-	77846780	77846836

Table 2. Additional miRNA sequences

DIP_TJU_CMC_MD2.ID03167.hairpin	27146	8	+	99306399	99306455
DIP_TJU_CMC_MD2.ID03170.hairpin	27147	8	-	99405893	99405953
DIP_TJU_CMC_MD2.ID03170.hairpin	27148	8	-	99405893	99405953
DIP_TJU_CMC_MD2.ID03203.hairpin	27149	8	-	144573493	144573550
DIP_TJU_CMC_MD2.ID03255.hairpin	27150	9	-	33108700	33108751
DIP_TJU_CMC_MD2.ID03264.hairpin	27151	9	+	37296032	37296089
DIP_TJU_CMC_MD2.ID03271.hairpin	27152	9	+	74922790	74922848
DIP_TJU_CMC_MD2.ID03281.hairpin	27153	9	+	88601368	88601427
DIP_TJU_CMC_MD2.ID03285.hairpin	27154	9	+	91079170	91079227
DIP_TJU_CMC_MD2.ID03292.hairpin	27155	9	+	93698857	93698917
DIP_TJU_CMC_MD2.ID03310.hairpin	27156	9	+	108860517	108860577
DIP_TJU_CMC_MD2.ID03340.hairpin	27157	9	-	131017806	131017867
DIP_TJU_CMC_MD2.ID03340.hairpin	27158	9	-	131017806	131017867
DIP_TJU_CMC_MD2.ID03351.hairpin	27159	9	-	135796328	135796391
DIP_TJU_CMC_MD2.ID03379.hairpin	27160	9	-	139423985	139424047
DIP_TJU_CMC_MD2.ID03405.hairpin	27161	X	+	1514284	1514337
DIP_TJU_CMC_MD2.ID03415.hairpin	27162	X	-	15510172	15510230
DIP_TJU_CMC_MD2.ID03421.hairpin	27163	X	+	21520311	21520371
DIP_TJU_CMC_MD2.ID03426.hairpin	27164	X	+	36124382	36124438
DIP_TJU_CMC_MD2.ID03439.hairpin	27165	X	+	55028324	55028382
DIP_TJU_CMC_MD2.ID03441.hairpin	27166	X	-	74064374	74064431
DIP_TJU_CMC_MD2.ID03474.hairpin	27167	X	-	148586778	148586829
DIP_TJU_CMC_MD2.ID03493.hairpin	27168	Y	+	3498191	3498261

Table 2. Additional miRNA sequences

Hairpin Sequence	SEQ ID NO:
GCGAACAAAGCCCCGGGACGCAGCGCCCGGCGCGGCCGTGGGGCGGGAAAGGGG	23462
CCGTCGGGCCTGGGGGAGGGTGGGGGGCAGGCCGAGCATCTGCCACCGCTGACCTGAGGCTCCCCCT	23463
GGGCCAGACTGCCGAGGGTCCCGCCTGCGCCGGGGGCTACCTTCCCCCTGGGACGGTGCTGGGAAGAAGGGGAGGGCCCAG	23464
CATCGTTACCAGACAGTGTTAGAGTCAAGCTGGGAAATCCAGCACTGTCCGGTAAGATGCT	23465
CATCGTTACCAGACAGTGTTAGAGTCAAGCTGGGAAATCCAGCACTGTCCGGTAAGATGCT	23466
CGCCGGCCGATGGGCGTCTTACCAGACATGGTTAGACCTGGCCCTCTGTCTAATACTGTCTGGTAAAACCGTCCATCCGCTGC	23467
TGGGGAGGAGGGGGCCTCAGCCCAGCTGCTGGGGGGGCTGGCCTGTCTCCTGCCCAGG	23468
CGGGGGTGGGGGTTGGGCCGGAGCTGGGGGCCTTGCCTCCCCCAGACTCATCCCTACCTCTGCTCTCCAGG	23469
CAGGGCGGGGGGGAGGGGAACGCCGGAGGCCCCTCCGCGGCCCTCACCTACCCTCCCCCGCCAGA	23470
AGTCGGGACGCGCGCGGGAGCCGGGGGCGCGGCCGGGGCCTGGGCGGTCGGGGCGGGGGCGC	23471
GGCGCAGGCGGGAGGGCGGCGGGGCTGAGCGCGCCCTCCGTGCTGCTGCGTCCC	23472
CGCGCGCGGGCCCCGCTCCATTATGATCCGGCGCATGCGACGCGCGCCGCTGGCTGTGTGGGCCCGTGGGCGCC	23473
AGCGGGGGCCGTGGCCCGGGTCGGGGCGCAGGTCTTGCTGGTACCTGACGCCGCCCCGACCCCGCGTTCCCCGCAGA	23474
CACCCCCGGGGCCGCGCAGGTCCCAGTGGAGCACGCGCTGGCGGTCGTGCAGCCGGTCCTGGGTCCACA	23475
AGGCTGCTACCCGCCAGGTGTCTACCCGCCACCCCAGCTGCTGCTGGCACGGGGGGACTGAGGGGGGTCAGCTCTGG	23476
CGGCCGCCAGACCCCGGGGCGCACGCAATTACGGGCCCGGCGCTGGCGGCTCCTGCG	23477
GGGGCAGCGGCGCTAGCGGCGGGGGGTGGCAGGGGGACTCACAGGGGCCATGTCGTCCGTCCACTCGCCATGCCCAGC	23478
GCTGGACCTGGCCGCCGAGGGTCGCGTGCTCAAGGCCCTTCAGGGCTGCGCCCAGCGCTTCCGGTGAGTCCGTGGACGGCGG	23479
GGGTCGGGGGGCGGTGGGGGGCCCCGCGTCGGCCCGAGATAGCGGCTGGGAGAGCGGCCGGCGCGAGCCCCGGGCCCCGGGACCCCA	23480
CGGCGGCGGCGCCGCGCGAGGACGGCCCGGCGGGCCCCGCGCCCGCGCC	23481
GAGCTCAGCGAGCGCAGCGTCCGCGTGTACCACGAGTGCTTCGGCAAGTGTAAGGGGCTGCTGGTGCCCGAGCTCTA	23482
GAGGGCAGAGGTGGGGGGAGAGAGATGGCCCTCCCCACCCTACCTCTGCATCCT	23483
GGGCCCCGGGGTGGGTGGCCCAATGCCCTCTCCCTGCCATCTTCTGGGGCCAGG	23484

Table 2. Additional miRNA sequences

GTGGCCAGGTAGGCTGTGGCTGCCGCTCCGACAGCCCCGCCTGCCTGAGGCCATGA	23485
GCGGCCGGGAGGCGGCGGCGGCAGGTGGTGGAGGCGTCTTTATGGGCGCCAGGCAGTGGTGCACGCTTTCCCACGCCCGGCAGCCA	23486
CTGGCTTCCCTGCTGTGAGCCTGTCTCTCCTCCGTGGGACAGGCCCAGCCTGGGCAGCCATCC	23487
CCCGCCTCTCCGTTGGGCCGCCGACTTGGACCCCGTCGGCCATTGGCGCAGCAGGCGGAGC	23488
CGCGGGAGCGCCGCGTGGGGCCCTCAAAAGAGAGGCTTTCTCGCCCCCTGCCGGCGCGTGGTGGG	23489
GGGGCCCGGCGCCACCCCAGAGGAAAAGCCCAGCGGAGCCGGGTTGGGCAGGAGCTGGCGGCGGCGGTGCGCTGG	23490
GTGGGAACCAGTGCAGGGCACTCAGGAAGTCCGACCGCCCAGCGGGCCGGGCCCTGCCTCACCTGTGCATGGTTTCCTTCCT	23491
TCCCTGTCACTGCCGCAGCAGCTTGGGGTGCAAGGCGGCCTGGGGCGGCGGAAG	23492
TCCAATCACACTTCGTTGCCTGATTCTCTATGCTTACAGTGCAAGCAAGGAAGAGGATTGGAAG	23493
GGCGCCGCCGCCCGCTAGTCCGCCCGGCGCCATGGCGGGCTGCGCGGCGCGGG	23494
CCCGGCCCGCGGGCCGCTCCGCCGCCAGCCACCCCCGCGGCCCTCGGCGGCCTGCGCTCGGCCCGGGGGC	23495
CCAGAATCGTACGCCCGCGCGAGCTCTCTGCAGCCTTGGCGGCCTGGGAGGCGGGGCTCGGGGTGGGGCC	23496
TGGGGAGGAGGGCGGGAATGAGGGCGGTGAGGAGAAGCTCACAGCCCCCACCCCCACCATCCTCCCAGG	23497
AGCTCGTTGTGGGGCAGGGATGCCTGGGGGATCCCCTGGTTTCCCATCTGCTTTTCTGGGGCTGG	23498
GGCGGGCGCGACTTCCCGGCGCACCGTGCGGTGCTGGCCGCCGCCAGCCCC	23499
CAGGGTCGCGGGAGGACGCTGGAGACTTTGGAGTCTGCTCCAGCACTCGCCCGGCCCGGCC	23500
ATGACAGCAGATAAGTGCCAGTGAACAGCTAAAGTTCAGTGGCACTTACCTGCTGTCATCAGA	23501
ATGACAGCAGATAAGTGCCAGTGAACAGCTAAAGTTCAGTGGCACTTACCTGCTGTCATCAGA	23502
GAGGAGCAGGGTGAGGTCGGTAAGGGGTCCCTCCTTGCCAGGGCCTGGTCCCTCCTCCTCC	23503
CGCCGTCCAGCGCGGCTCGGGCGCAGTTCCGGCGCAGTCCCCGCGCCGAGCGGCTCCGCGCCCCGCACCAGCCTC	23504
AACAGTCGCAATTTGTAAACACAGAAAAGAGGAATGAAAATGAAAAGGCCGTGTCTGTGCTACAAATCGCGTCTGTGAT	23505
TCTGTGTTTTGGACATCTCCACTTGTTAAGTGGAGTTAAGATTATAACTTGTTAAGTGGAGATGTCCAAAGCACAGATT	23506
TCGCCCTGTGTTTCCAGGCCTGCACGTCTGGTCCTTCAGCTGCACATGGAACTGCAGGGCAGGC	23507
TCGCCCTGTGTTTCCAGGCCTGCACGTCTGGTCCTTCAGCTGCACATGGAACTGCAGGGCAGGC	23508
GGGGTGGGGGTGTGGGGTGGGGGGCATGGAGCCGGCGTGGAACCAGAGCCCTCACTCCTGCCCACACCCCTC	23509
GGAGTTTCGCGAGGGCCGAAGCGGGGCAGTGTGACGGCAGCGGTCCTGGGAGGCGCCCG	23510
GGGAGCGGGCGGGGCGGGCCGGGGGGCGCTGCCAGGCGCCGCGCGGTGATTGGCAGGGGCGGCCGCGCCGCCTCCTCGGCCCGG	23511
CGCGCGGGTCGTGGGGCAGGCGCGCGGCGGCCGTCGGTCGCGCTCGCGGGGCCCGAGCGGC	23512
CCTGCGGCTGCTGCGTCCCAGCTTCCTTCCCAGCTTGGGAATGGGTTGGGGAGAAGCAGTCCGGGGC	23513
GGGGGAGGAGGCGGCCCTAGCGCCATTTTGTGGGAGCGAAGCGGTGGCTGGGCTGCGCTTGGGTCCGTCG	23514
ACCGCCCGGGAAGGAGGAAGGACGGGGCGGGGCAGCAGGGCCCGACCTTCCTTCGGTTCCGCCCCAGGACAGGGCT	23515

Table 2. Additional miRNA sequences

CTCCCTCCGGAGGGCGCCCGGGGATGCCCCGCGAGTGTCCAGGAGGCTGGTGACCT	23516
TCAGGCTCCGTCCCCTCCCTCCTCCTCGGCATAGTTCACCCTGTCCCAGTCCTCGGAGTTGGGGACAGAGCCCCTGGG	23517
GTGGGGTGGGGTACTTGCGACTTTGAATTTCCAGCTCCCCCCAACTGGAAGGGAAATTCAAAGCAGCAAGTACCCACCCACCT	23518
AGGAAGGGCTCCCGGGCCCCGTGCGGGCCGCGCCCGGAACCCTCTGC	23519
ACCCCATGCTGACTTGGAGAACCCCAGATCTCTGGGGCCCAGCCAGGCAGGGTGT	23520
TCCCCGCCGGCCGCGCTCCGGAGCCTCCGGGCCGCGGTGGAGCGAGGGCCC	23521
GCGGCGGCCCCCGGCCCCCGGCGCGGGAAGCGGCGGGGGCGGCGCGGCGGTGG	23522
AGGCCCTCTGCACCCACGCACCGAGGCCGAGGCCCAGGGCCCCGCCGGCCTGAGTGGAGGACTGTGGCGGGGCACTAG	23523
GACTACAGGCGGGGAAGGAACGCTCGCGCGCTCGGCCCCGGTGCGCAGGCGCGCAGCTGCTAGTGGAGTCCC	23524
GGGGGCTCGGGCGCCCTCAGCTCGGCCTCAGCTCCAGCCTGGGTCGTCCCTGCTGCCGCCGCGCCCGGCTCGCCTCGCG	23525
GTCTTCTCCCGGCCTGAGCAGCAGCAGCTGCGGCGCGGCGTTTGAGTGGAGGAAGATGG	23526
AGGGGTGGGGCGTCGGGTTGGGAGAGGTCTTGCCGACCTCCACCTCCTGGCATCACTCCAGC	23527
TGTTGGGTGCAGGGCAGAGGGGGTGGGCTCCCCAGCCAGCACCTCAGCTGCCTCTCCAACCCTGCAGG	23528
ACTTCCTCCTCTGCCCTCCCCAAAGTGGCGGCCGCAGGGTGGGCGGAGAGGGGGCGA	23529
AGCCTTTGCACATGCCATTCCTTCTGGGTGGAGAAAACACACATTAACTCCCCTGGGTAGAAGGAGCAGCATGTGCAAAGGTTCA	23530
CAGGAGCTGCTTGCACCCTAGGACCTGGGTCCAAGGCTGGTCTAGGGGGGCTCTCAGCTCCTGAG	23531
CGCATTTTCCACTGTCAGGCGGCCTCGGGCCATGGATCAAAGGCGCGGCGACGGCGGCGGCGGAGCGCGGG	23532
CACTGACGCCGGGACCGGGACCGCGCCGCCGCCACCATGGTAAAGGCCGCACGGCCCCCTCCCCGGCCCGGGGG	23533
CCGGGCCGGGCCGGGGCGGGGAAGGAAGGTGGCGGCGGCCCGGCGCGGGG	23534
GCAGGTGGATCGCTGGAGTCCATCCCCATCCCAAATCTCATGTTGGTCTCCTGGACTCCAACAATCCACCTGCCT	23535
AGGCAGGTGGATTGTTGGAGTCCAGGAGACCAACATGAGATTTGGATGGGGATGGACTCCAGCGATCCACCTGCCTCG	23536
GAGGAAGGAAGGGAAGCCCCACGGGAGGTCAGGCCTCTCGGCCTTTTCCGGCCCCCTCCG	23537
GGGACGGGGTGAGGCGGGCCGGGAGCGAGGGAGGCGGCCGGGGGACGCGCCGGGCTCGGCCTGGCGACCGTTGCCCGCTCGCGTCCATC	23538
TTTAGTGGCAACAGCTTTGAACTAGAGAGGTAGATGTATTAAAGCAGCATAGAACCATAACTTCTAGATAATGTAGTTGCCACTAGGAG	23539
AGTCAGCCTGTTGAAGCTTTGAAGCTTTGATGCCAGGCATTGACTTCTCACTAGCTGTGAAAGTCCTAGCTAAAGAGAAGTCAATGCATGACATC	23540
TTGTTTCAATAGATGGCTGTTTCA	
TAGGTGCAGGAGGTGGTCAGAGTGGGAGGGCAGGGGGCTTGGCCCTGGCCCTCACTCACCGCAGCCCTTTCTGTGCCCACC	23541
GCCTGAGGCCCTGCGGACCCCGGCGTTCCGCCAGGCCCCCGGGGGGCGAGGCCCGCGGAGG	23542
CTGTACGCAATACAACTCCCGAGAGGCCCCGCGCCCCGCGCCGGGGCGACTCGGGAGTGCGGTCGGCAGTAGAG	23543
GGTGGCCAGGGTAGGGAGGCCTTAGGCTTCCTGGGGACCCCTACCCTGAAGCCACCCA	23544

Table 2. Additional miRNA sequences

GCCGGTGCCCCCGGGTCCCCGCGCTAGCTCGTCCCAACCCCTGGAAGAGGGCTGCGCTTCCGAGGGGGCAGGGGGCAGAGGGTAG	23545
GAGGTTCGGGATCGCTTGAGCCCGGGAAGTCTGGGCTGCAGTGAACCGAACCGTGA	23546
CTGCAGTCGCTGCCGACTCCATTTTGTCGGTAGAGGCAGAAGGAGAAGGTCGGGTTGTAGAA	23547
TGAGCCAGCCGCAGCCCGAGCCCGCTTCAAACGGCTGGGAGGGGCGCCGGGGGCGGGGCCTCGGGCTGTAGGCAGGGCCAAG	23548
GTGCTTTACATGAATGGTCCCATTGAATCCCAACAGCTTTGCGAAGTGTTGTTGGGATTCAGCAGGACCATTCGTGTAAAGTAA	23549
GCCTCTGCCCCGCCCCCGGACGCGCGGCCCTCAGCCGGCTGCGGCGCGGCGGCGGGAGGGGGCGC	23550
CGGCCGGCGCTCCGCTCGCCTCCCTCCCTCTCTCGAGGATTTGCAGAGCCGGGAGTCGTCGGAGGTGTG	23551
GCAGCAAGGAAGGCAGGGGTCCTAAGGTGTGTCCTCCTGCCCTCCTTGCTGT	23552
CTTCAGTCTGCTGCCGCCGGGGCCGGGGCTAGGGTTAGTTCTGGAGCTGGACCAGGAGGAGCT	23553
CGCGGTGTCGCCTAGCTCCAGCGTCCCGAAGGGCAGGCTGCGCAGCTGCGGGGGGCGCCGCGGC	23554
CTGCAGCCGCCGCCGGGGTTGTGCCTCAGACTGTCAGATAAATCGGCGGGCCGGGCGGGTCGGTGAGCGCGG	23555
CCGGCTCTAGCCTCCCGCTGTTCGACTGCCCAACCTGGTGAGTGGCGGGGCGGCCAGGGCTAGAG	23556
TAAGCATGAGCTATCACACACAACCTATGTTCTATTAAACAAAAAACAGGGCCTGGTGTGGTGGCTCATGCCTGTA	23557
TTTGTAGCTGTACACTAAGGGAATCCCAACTCCCTTAGTGTACAGCTACAAAAT	23558
CCGCACCGCGGCGCCCGCGCAGGCGGGAGATTCAAACTGCGCGAGCGCGGCGGGCCGGGT	23559
GGGCATTGAGCTCTTGGGCTAGAGCGTCGCCGAGTCGGAGCCGGAGCCTGAG	23560
ACCTCCACCCAGTTTCAGGCCTGGAGGATGGTCTTGGCAGGAGGCTGGGTGGGGAA	23561
TGAGGGTGGGGAGGGAGGCTGCTGGGTGTCTGACACCCTTCTTCTCCCCCACCCCAGC	23562
CGCTGCCCGCAGCGCGCCGGCCGAGTGACGGCCGAGGCGGGACGCGGCGCCTGCGCGGGC	23563
GCGCGATCGGCCCGGGCTGTAACCGTCGTCTGTCCGGGAGCGGCTGGAGCGGCAGCGGCCGGGCACGGCGCGAGG	23564
GGTGCGCAGGCGCCGTGGCCGGACTGGGGACTTTGTTCTCCGCGGAGAAACCCAAGGGCGGTGCCGGTGGCTGGCTGCGCACGCGCGCCGC	23565
TGTCACTAGAATCTGGAATAGATTCCATGTAAGCCATGTGGGAATCTATTCCAGATTCCAGTGACACT	23566
CGTACATGCATGTGTGTGTGCATGTGTGTGCATTTGTGCATGCATGTGTGTGTGCATGTGTGTGTG	23567
TGGCGACCCCCTGCGGCAGGGCTGGGGCTTGAGCCTGCCAGTGCGCTGGGATGGGGCGCGAAGCGGG	23568
GCTGGCGGGCCTGGCCCCTCCCTGCCTGGAGCACCGCTGGGGCAAGCTCGGGGCTGGCCTCCGCCA	23569
GCAGTCCGGGACTGGGGCTGGGCGCGCTGCCCGGGAGCCCCCGCACCCACGCCTGGACCGCGG	23570
CGGAGTCGCAGCGCGGTCACACTGCCCCGCAACGGCCGGGACCAGGGTAGGGGCTGCGACCCTGGG	23571
CTGCAGACCCATGCCTGGCTCCCAGGGGCTCGCCATCTGGCCGGGCGGGGCAGGTGCTGTGAGCA	23572

Table 2. Additional miRNA sequences

CGAGCCCGGCCAAAAATGTTTTAAGAAATTAGCTGGGTGTGGCCGGGCGCGGT	23573
GCGCCCATGTAACCCGGTCCGTGCCGCAAAGCGAACGGCGCGGCCGCGGCGCCCCGCGGGGGTTAGAGGTCA	23574
ATCCCAGTCCAGCTCTCTGCTAACAGAGAGTGAGCAGTGCAGCCTGGATGGGAAGA	23575
GAGTCGTCGGACACTTCTGAAATAGACAGGAAAGATGACGAGGATGAGGAGGAGGAAGAAGTGTCTGACAGCTAG	23576
AGAAGGCCCACTGAAGGGAAGCCTGAGAAGGAAAAATTCAAGTCATCTCTCCAGGGGCCTATCACC	23577
CCGGCCGCAGGGGTCATGCGCTTCTCCTTCTGCCGCCGGTTGCAGAACCAGACGCGCACCACCTCCTTCTCCA	23578
TCTACAAGCAGATACAAGGATGCCCTTGTACACAACACACGTGCTGCTTGTATAGACATGAGTGTTGTCTACGAGGGCATCCTTGTGTCTGTGTG TGTG	23579
ATCGCGCCGCCCCGGGTCGCTGCCGGAGCTCGCCGGTCGCCCCTGCGCTGCGCGGACC	23580
GAGATGGGGGGCGGGGTGGGCGGGGCTGTCGCTGCGCCCCAACCCACCGCACCCCCCTCAG	23581
CGGGCGGCGGGCGGCGGGGCGGGGCGGGACGGGCGGCGACCGCGGGTCCCTGGAGCGCCCGCCGCGCGA	23582
CTGTGACCTGGGCCCCAGTTCTGGAGACTGAGGACCAGAACTCAGGCCCCCTGGTCCCACAGG	23583
CTGTGACCTGGGCCCCAGTTCTGGAGACTGAGGACCAGAACTCAGGCCCCCTGGTCCCACAGG	23584
TTGGAGGCTCTCTCAGCTGACAGGCAGACCTAGATTGTGAAGCTGGGATTTTCCTCCCAAGG	23585
TCATGAGAGTTGTGTGAGAACCGTGAGGAAGAATCTGTTCCATGCCTCTCTCCTGGC	23586
TGGGGGTGTGCAGTGGGATCTGTCTGACATCCGCCCTCTGTACCTCCCCAGA	23587
GCGGGCGGACAGACTGCGGGACGGACGGTGGGACGCTGGGACGCGTTTGTAGCTCCGGCCC	23588
GGAGGGGGGGGTGCAGACTGGGTGGGGTTCTTTGCCCTTCCTGGAGCCTGTTCCAGTCTGTCCGTCCCCATCCTCAGG	23589
CCCGCGGTACCTCCCGCACTCTGACCTGCGGCCCGTAGGTCCGAGCCGGGGACGGCGGCGTC	23590
CAGGCTGGAGTTACCTTTAGGGGAGCCTAGAGTCCTCTCCTTGGGGTAACTCCAGCCTGGC	23591
GGGGGCCTCACGAGCCCCGGCCTCAGCTACGGTCTGGGCTCCAGCTTTGGCTCTGGCAT	23592
TGAGGGTATAGCTGTCCCAGAGGCCCCCTCCAAAACTGGGTCCCTGCTGTACCCTCCCA	23593
GAGCTTGAGGGCAGTTGGTGCGGTCGGGTTGGTTCTTACACCCCGGCGGGGAGCGCCCAGACAAGCCGAGCTG	23594
GCTGTCCCCCCTCCCGGGCGCGGTTGGGTGGCGCCTCAGCGGGTGGGCAGCAT	23595
CCCACCCCTGGGCTGCTTCTTCTTGAGATCAGGAGGGGCGTTGCCCAGGGCTGGTGTT	23596
CCCCGGGAGGCGCGGCAGGCGGGGAGCGGGGCGCGGGCCTGCGCGGCCCGTCCATCCGTCCGTCCGTG	23597
AACCTCCCTGCACAGTCCACCTCGTTCTGCTCAGCTGGACTCTGAAGTGAGGTCGA	23598
GCCCCTGCCGCCGCCGCACCCACACCCGCACCCTCACCCGGAGCTGCTGCTGCGTGGCGGGGCCGCCGGCGGCGGGGGATC	23599
TTCACCTGGAGATGCAGTTGAACTTCGAGCCGCGCTCGCCGGCCCCACAGCGCGCCCGGGACCTG	23600
GTGCAAAAGTAATTGAGGGTTTTGCCTTTAAAAGCAATGGCAAAAAACTTCAATTACTTTTTGCATCG	23601

Table 2. Additional miRNA sequences

AGTTCTTCTGCAGACAAAAGCATCAGGAAGTACCCACCATGTACCAGTGGGCCCTTCTTGATGCTCTTGATTGCAGAGGAGCC	23602
TCAGGCCAGACTGGGAGGCTGCATTTACAGCATCCTCCCAGCCTGGCCTGAGT	23603
ACTCAGGCCAGGCTGGGAGGATGCTGTAAATGCAGCCTCCCAGTCTGGCCTGAGT	23604
ACTCAGGCCAGGCTGGGAGGATGCTGTAAATGCAGCCTCCCAGTCTGGCCTGAGT	23605
TGAGAGTTGTGAAATATTTGTGGTTTTTTCCCCATTATGGACACTTGCACT	23606
TGCGGCGGAGGGGGGCAGGGAGGGGGCAGGGAAAAGGCCTTGCCCCCTTCTCCCCTCCTCCAGT	23607
CTTTATTGAGTCCCTACTATGTTCCAGGCACTGGGTATCGTAGGTGCCTGGAACATAGTAGGGACTCAATAAAG	23608
CGGCCGCCAGCCCCAGCCTCCCAGGTCCGGAGCCCGGACTGGCGGAGGCCGCGAGGGAGGGA	23609
GCTGGTGGTGGGCGGGGACGGCCGGTTCTACATGAAGGAGGCCATCCAGCTCATCGCTCGCTCGCAT	23610
CAGGCGGCGCCGGGGGCCGAGGGCGCGCCACTGCCCAGCGCCTAGCGCCTGCCTTCA	23611
TGTATGGGCTACTATACACCTAGGCTACAATTGTATAGTAGACTGTACACCTAAGCTATAGTAGGCTATACATC	23612
ATCTACAATGGTGATGGGTGAATTTGTAGAAGGATGAAAGTCAAAGAATCCTTCTGGGAACTAATTTTTGGCCTTCAACAAGAATTGTGATAT	23613
CCCAGGGGCGGCGGCCAGCCCAGGTGCCCGCGCACAGGGGACCTCGGTGCGGAGCCACCCCTCGAGCG	23614
GTAGCACAAGTGAGTGTGAATCACTGGAGTGAGTTAGAGTGAGTCAGGCAACCTGTGTTTGA	23615
CTAGCTGCTGCTGGGCGTTTACCGCGGGAGCCCTTAGCGGTCTGGAGGTGAGGGCAGTGGTGGGTCCCGGAAGTAAAAGGC	23616
TCACACCACCGTGTCCACCATTAAAGGGGAAATTCTTTAATGGTGGACACAGTGGTGTCCCT	23617
GATGAGGCAGAGTAACTCACAATAGAACACAAACAGTTTTGAGTTACTTTGCCTTATCC	23618
TAGTGTATTAGTCCATTTTCACATTGCTATAAAGACATACCTGAGACTGGGTAGTTTATAAAGGT	23619
TGAGCCCGCAGCCTCCGGCAGCCGGGAAAGTGCGGGGCGCGGGGCCGCAGCCTGCCCGCCCGGAGGCGGCCCAGGAGCACGCCGCGGGGAGCG C	23620
GCTACAACTCTGAAATCAGAAAGACTCTTGTTGCATATGAGTATGGTTTCATCTTTTGTGA	23621
TAGCCTGTGCGGCAAAATGCGTCCTTTTGGATGGCTGGGACCCAGCCTAGGGCGTAGCTCCCCGGGCCCGA	23622
GGCGCGTCGCCCCCCTCAGTCCACCAGAGCCCGGATACCTCAGAAATTCGGCTCTGGGTCTGTGGGGAGCGAAATGCAAC	23623
TTCGCTCCCCACAGACCCAGAGCCGAATTTCTGAGGTATCCGGGCTCTGGTGGACTGAGGGGGGGCGACGC	23624
CTTTTTAATGGTGCCAAACAGCAGTTGATCTATAATAACTGCTGCTTGGCACCATTAAAAAGTACA	23625
GCCGGGTGCTTCGCAGCGGAGCTCTGAGGCTCTGTAGCACCCAGTTGGACCCAG	23626
GCTTGGAGGTGCAGTCGCGGAGGCTCCAGCTACCGCGGCGGCCGTCGCGCCC	23627

Table 2. Additional miRNA sequences

CAAGGGCCATGTTTCAGCACTGTGTTACAGCTTTTTTAGCTCTGCCATTTGGCGAGTCCTGCGTCCTTGTCC	23628
GGGGCTGCGCTCTCGGTCCTGCGGCTCCCGCGCCAGGCACGGCAGCCGCAGCCCGGC	23629
GGTCCTCTGACTCTCTTCGGTGACGGGTATTCTTGGGTGGATAATACGGATTACGTTGTTATTGCTTAAGAATACGCGTAGTCGAGGAGAGTACC	23630
AGCGGCA	
TGTCTCAAAACCAAAACAAAACTAAAACCAACTCAGTTTAAATTGTGTTACCTCGAGTTGTCTTTACAGCTGATGTGGTGACAG	23631
TAAATGCCTTTGACTACTACATACATATGCCTACTACTTTCATATGTAGGCATATGTATGTAGTCAAAGGCATTTA	23632
TACTACATACATATGCCTACATATGAAAGTAGTAGGCATATGTATGTAGT	23633
GGGTTCAGTGCGGACTCCTCCCTAGGAAGATGAGACCATGCTGGAGGGGTCAGCCTGGCCCCTT	23634
AGGGGCCAGGCTGACCCCTCCAGCATGGTCTCATCTTCCTAGGGAGGAGTCCGCACTGAACCCTGG	23635
GGCTGTGCCGGGTAGAGAGGGCAGTGGGAGGTAAGAGCTCTTCACCCTTCACCACCTTCTCCACCCAGCATGGCC	23636
GCCCCCCTATCCTTGACCTCCGCGGGTCCGACACTTTCACTTTCACGCGGGGGGAGGCCTAGGGGACAGGTTCGG	23637
TCCGGGTAGAAGACATGTCACTCACTCTAAACAGTGTCTGTCTTCTTTCCTGGGCCT	23638
TCCGGGTAGAAGACATGTCACTCACTCTAAACAGTGTCTGTCTTCTTTCCTGGGCCT	23639
CGGGAACTCGGTTCGCGGGCGCGGAGCGGTCCCGGACCCTCGAAGCCAGTTCCTTGC	23640
GCCCTCCCGCCCAGCGCGGCAACCCCTGGGCGCCCGGCACCGGCTTGGACCCGCCGGGGGCGGGGATGGAAGCGCTGGCGGCGG	23641
CGTGGTCTTCGGGGAGAGAGCGCCGGCGGCTCTCTGGCCCCCGGGGACCACCCTG	23642
CCCTGGATCCCTTGTCTGCTCAGCCTTCCTGGAAGGAGAAATTTCCTTGGGGGTTATTAGTAGCAACGCTTTAGACTG	23643
GTAGGGTGCCTGTGTTTCAGCAAAGCCTGGGCAATTGGAATGCAGAGCTCCTAAGA	23644
CACTGAATTCCATTTGTGGACTGAAAAGTATTCAATCCACTTTTGGGGTTCAGAGA	23645
TTGGTAAAGTTGGTTTAAAGTGATGACATGTATCTTCCTTGACCATCCTTATCAGA	23646
TGTCAGTCCCAGTTGATGTTTTTGGCTTCACGTCTGGTTAACTTTAGGAGAG	23647
CAGATGGGGCCAGAGTGTTCTAGAGATCCAGACTCTAGAGCTCCGATCCCATCCACC	23648
GGAAGATGGCGGCCGGCGGCGGAGGCAGCAGTAAGGCCTCCTCCTCGTCGGCCTCTTCGGC	23649
AGAGATAGGGGGAGGGGAGGCCGGCGCGGTGATTGGCGGAAGCGCCGGCGCAAGCCCCCCGTCCACCCTCACG	23650
AACCCTATGATGAATGGTTCCTGAAATTTTTTTCTTTTTTGAGAGACCAAAAAAAAAAAAGTGTTTAGGAACCATTCATCACAGGGTTGT	23651
TGTTCTTCGTTCTGGCCCTTCCAGGGTAATTAGGAAGGCAGAACAAGACAGA	23652
CAGCCGGGGCCTGGTGCAGCCTCCGCGGCCGCTGTCAGGGAAGCGCAGGCGGCCAATGGAACCCGGGAGCG	23653
CCCGCACACAGCCCGACGTCCACACGCACGCTCGGCGCGAGGCGTCTCGGAGGAGTGGGCGGCGCGGGCGGTGGCCCGCT	23654
CACAGGCCTTTCCTTGCCTTCCTGGGCCTTCCTGGGGCTTCAGGAGCTGGGCCGTGGAGTGGGGGGAGAGGCTGTCAGC	23655

Table 2. Additional miRNA sequences

AGCTGCCCGCCGCGGGGCCCCAGGCGCAGCACGCTCTCGCGCGTGGGCCGCAGCTGGCAGCACA	23656
TCGGCAAGGGGAGCAGGAGGAGGACTGCGGCGGTCACCCCTGCTTCCTCTGCCAGA	23657
TCCCCCTGCCCCCCAGGGCAACCAGTTCTCCTATGCTCTATGAGGTTGTCTATGAGGCAGGGGCCCT	23658
TGCTTCTGTGTGATATGTTTGATATTGGGTTGTTTAATTAGGAACCAACTAAATGTCAAACATATTCTTACAGCAGCAG	23659
CGGCGGCGGCGGCGGGCGGAGCCCGGAGCGCAGGCCGGAGGCTCCCGGCCGCCGGCCCCGGAG	23660
TGCCCCTTCCCTCTCGGTGTGGCCTGGAGAGATGTGCAGGCTCCCCGAGGGCAGGGGGGGGGTAGT	23661
GCCCTTCCCTCCCCCGCGGGGCACCGTCACGCGTGGGGAGGGACGCAGGGCGC	23662
TGCCCACAGTGCCCGCCCATCCCTTGACCTATGAGGAGGAGGGTGGCGGGCAGAGTGGGCAGC	23663
TGCAGGATGGAGAGAGGGTGTGGGGCAGGGGCAGGGAGAGGCCCCCAGCCCCAACCTTCCTTGCCACCCTCCCCAGC	23664
GCCGGGACGAGTGCAATATTGGCGGGGGGAAAAAACAACACTGCACCGCGTCCCGTCCCT	23665
TCCCATCCCCCTTCTCTAGTCCCCGACCTGCGGCAGCCCGGAGCTCGGGGAGCGGAGC	23666
AAGGCCTCAAAGGGGAGGAGGCGGTTATCTCCTCCTACTTTGTTGCCAAAT	23667
CCTCCTTCCGCGACTCGGGCGCCGGTGGCGCCATCTTACTCGGTTGCGGGAGGGGTCA	23668
TCCCGGGGAGCTGCCTGGGCAGGGGTGGCTGGCCGGCTCCCAGCCTCTGCAGCTCCCCGGCCCC	23669
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CCGCCGCCCCTTCCCCGGAGTGGGGAGTTGGCCAGGGCCGATCGACTCGCTGGCCGGCCCGCCTCCGCTCCCGGGGGGGCTCTAATG	23671
GCGTGGAGCACGAGGTGGGCGAGCGCCTCGGAATCCGGCGTGCCCGCGCGTCCGCCACGAGG	23672
GGGCCGGAGCGGAGCGGCGCCGCCACCGCCGCACGCGCAAACTTGGGCTCGC	23673
GCATAAGGAGCCGATCGCCGAGCACGCCGAGCAGGCTTTGTGTGCCCGCGGTCGGTGGGTGCCC	23674
GCGTCCTCTCTGTGGAAAACAACAGGCGGGCGGGTGAGCGGGCTGCTCCGCAGCGGGGCGTGG	23675
CCCGCGGCCACCACCGGCTTTCCCAGCAGCAGGGGGCACCCGGTGGGGGCAGCGGCG	23676
TGCCCGTTCCCGGCCTCTCCCTGTACATGTGCGGGAGGAAGGTGAGAGGGGGCTGGGCCCT	23677
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GTAGGGAGAAGGGAGTAAACAGGAATGACCACAACCCTTTCCCGATCTCCTTTTTTCCTAGT	23679
GCGCACCGCGCGGCTGTACTTGTAAAACGCGAACTGCAGCGGCGTGTCGCGCTTCTGCGGGTGCAGGCGCGTGTCGCAGCGCAG	23680
CTCTGCTTAATTAAAACCAGGCCTGTGTACGTGGTTTTAATTAAGCAGAGT	23681
CTAGGAGGGGCCAGGAGCCGGCCGGCAGAGAGCGGCTCGTGGGTCCCAGGACC	23682
TAACTATAGTCTGTGATAACTTATTGTTAGCTATAGTCTGTGTTGTACAG	23683

Table 2. Additional miRNA sequences

CTGGCTCTGCTCCTCGGCGCGCCCAGGCTGGGCCGGGACGTGGTCGCGAGCT	23684
AGGCGCGGCTTCCGGCCGGTCCGGGCAGTCCCTGGCGGGCCTGGGTAGCCGTGCCCTC	23685
AGGCGCGGCTTCCGGCCGGTCCGGGCAGTCCCTGGCGGGCCTGGGTAGCCGTGCCCTC	23686
TGGAAAGTAAGTCAGCCCTAAGTTTAAATAGCCCAGAAAAATTTAGAGCTGAATTACTTTCCAGA	23687
CGCGGGTCCGCGCGCGCACTGCTCGCCGCCCTGCTGGCGTCGACGCTGTTGGCGCTGCTCGTGTCGCCCGCGCGGGGTCGCGGC	23688
TGGGATCCTTTGGTGACATGAATTTTTGCTCTAGTGGTTTTATGACATCACTGGGAACCCCGT	23689
AGGACATTTTTGCCCAGATCCGTGGCCTATTCAGAAATGTGGCCTGTGATTAGGCCGCAGATCTGGGTGAAATGTCCTCC	23690
GTGCTTACAGGCTCCCTGCCGAGTCGCAACTGTTTACAGGGCTCAGCAGGGAGCCTGTAAGGGGCT	23691
AATCCCATCACTTGGAAGACCAAGGTGCAGTCCTCCCACCTTGGTCTCCCAAGGGGTGAGACTACAGA	23692
TGGGCGCAGGCTGCAGCGCCGCGACTCGTGCGGGTAGGCGTCTGCGCTCGGT	23693
CGGAACGGGAAGAAGGAGCTGTCTCTCTTCTCTGAGGGGTAGGCAGGTGCTTCCGAATCGCGGAATG	23694
CTTACATCACACACAGAGTTAACTCAAAATGGACTAATTTTTCCACTAGTTAGTCCATTTCAAGTTAACTCTGTGTGTGATGTAGT	23695
GGAGCCGCGCGCGCGCCGCACCAACGGAGCGCGCTCGCGGGGGGCTCTGAGA	23696
GTGTCAGTTGTTGGGCTGTAATGGCGACTGGGCCGCCCCTGACGAAGTGACTCCC	23697
CCCGACTCATCCGGTGCTTGCGTGTGGTGGTGAGCGCAGCGCCGAGGATGAGGAGGTGC	23698
CCCCGTGGCCAGCTGCCGGTTGCAGATGATGATGCAAGCAAAGCAGTGCAGGTGGTAGA	23699
TGCTGCCTGGTGAGTAGCTGCATTATCAGATGTGTAGCTGCATGCCAGGGGCTAGA	23700
AGAGTCGAGAGTGGGAGAAGAGCGGAGCGTGTGAGCAGTACTGCGGCCTCCTCTCCTCCTAACCTCGCTCTCGCG	23701
AGAGTCGAGAGTGGGAGAAGAGCGGAGCGTGTGAGCAGTACTGCGGCCTCCTCTCCTCCTAACCTCGCTCTCGCG	23702
AGACCCGCTCCCCGCGCGGGAGTCGCTGGGGTCCTTGGGCTCCGCGGCCTGGGAGACTCCGGATTGCGGGAGGAGTCGGGGGGAGG	23703
CCAGCTCCGTGGAGGGTGTGGTTCTGGCCCGGCTTGCCTCCGGGGCTGCCCCTTGCCCGGTGTTGGGGTCTGGTC	23704
GGTCGCGCGTGGAGGTCGGTCGCTCAGAGCTGCTGGGCGCAGTTTCTCCGCCTGCTTCGGCGCGGCTGTATCGGCGAGCGAGCGA	23705
CGGGGCGGCGCGGCGGGAGGTGGCCGACAGGCTCCGGGCCTCGCAGCCTCAGCCCCCGGCCCAGCGCGCTTTCCGACGGC	23706
TCAGCCACACTCAGCTCTAACAAAGTCCTTTTGAAGCAGTTGGAGCTGAGGCTGTGGCCACTGA	23707
AGTTGGCCAGGACCCCAAGCCCCCAGCACTTCATTCTTGCTGTCCTCTCCTGGTCTGGGAGGATAGAAGAGAGGATAGGAAGAATGAAGTGCTG	23708
GGCGCTTAGGGGGGATCCTGGCCAACT	
GTCAGTGTCTGGGCGGACAGCTGCAGGAAAGGGAAGACCAAGGCTTGCTGTCTGTCCAGTCTGCCACCCTACCCTGTCTGTTCTTGCCACAG	23709
GGCGGAAGAGGAGCCCGAGCCTGGCCGCGGGCTGGGCCCCGCCGCAGCTCCAGCTGGCCGGCTTGGTCCTGCGGTCCCTT	23710

Table 2. Additional miRNA sequences

TAGGTTATACAACATAATGTGTGTATACATAACATTATGTTGTATAACCTAA	23711
AGCTACAGGTGAGATCAGGTTTTTGTTTTTTTTTGAGACGGAGTCTCGCCCTGTCGCC	23712
TCTCTCCTCCTTCAGCTCATTCCCGTGTTCCATCTGAGGGGCGGGAGGAAGGCAGGAGGGGGAGATG	23713
GTGGTGACCCTGTGGTACAGGCCCCCCGATGTGCTGCTGGGATCCACAGAGTACTCCACC	23714
CCCCCACTTCCTGTTGTGCCGCGCGCCCCTCGGCCCCCGCCCCCGGTGGGGCTGTGGCCGCGAGATCCCGAGGGGGCG	23715
GGGCGAGGAGGGGGTGGGTAATGGGGAGGAGGGCTGGGGAACCCCCAGACCTGAGAGGTCCACTCCCTGCCCCC	23716
CCCCTTCCCTTGGAGGGAGAGGTGGCAGGAATACTTCACCTTTCCTCTCCCTCAGGGGCAGGTGGTGG	23717
AGACTTCAGCACCTTTATCTTTTCTGATATCAGAAAAAGATAAAGGTGCTGAAGTCTCT	23718
GGAAGCGGCCGCCGCGGAGCCGGCGTCCGCAGCGGCTGCGCATCTCGGGC	23719
GGCTCCGCTGAGACGCGCTGCAGGGCTGTCCGGGCCCTCCCTCGGCGACGCGGCCAGCAGCCCGCGCCGCGTCCTCAGCGGCGGCAAA	23720
ACAGAGTGGAGCCTTCGAGACAGACACAAAAGAACTGTCTCGGAGGCTGACTCTGCTCA	23721
GGGAGGGGCCCCGAGCGCCGCGAGTGCGGGCCGCGGAAGAAATGGAACCTTCCCGG	23722
ACACCTGATATGATTTAGATAGTGAGTGATTTAGATACTATCTAAATCATTTCAGGTGTAG	23723
GGGAACATAAAAGGCCCAAATCTTTAATTTAATCTTTGATTTGGCCTTTTATGTTCTTGA	23724
ATGGTGTTATCAAGTGTAACAGCAACTCCATGTGGACTGTGTACCAATTTCCAGTGGAGATGCTGTTACTTTTGATGGTTACCAA	23725
CCTGCGGCCCCAGCGCCCCTCGCTCTCATCCAGCCCGCGAGGAGTGCGGGCGCCGCGCCGC	23726
CTGACATGAGCACCCACTTCGTGCCCCCAACTCCCTTCTAATGCTCTCTTGTTGAG	23727
CTGGGTAGACGGGGAGCGGCGGGAGCCGGCCGCCTTTTCTTTCTTCGCCCCGGACTGAAGTGCGGTC	23728
GGAGCCAGGCTGCGGTGGGGCAGGACAAAGGCGCCCACGAACCCTCCCTGCCGCCGCCGCTCCAC	23729
CCGCGCGTGGCTCCGGAAGCAGGTCGGCTTGCCTCTGGGGATCCGCGCGCCTCT	23730
GCGTTGTGGGAGCCGCGGCCACGCCAGCGCCGGGGCCCCTCCCGCCCGAGACTGGTGAGGCGGCGGGGAAACCGCGGGACGG	23731
ACATGTTTAGTGATACAATCCCACCTGTGTCTGGATTGTGTCACTAAACATGCA	23732
GCCACGGGCGCGGCGGTGGCGCAGTTCCCAGCCTGCGCCCAGTCCCGCCGCAGCTCC	23733
TCAGCCACCACTGGGCGTTCACTGCAGCCTGCTGAGCCTGCAGGGCCAGGCTGGGG	23734
GGGACCTGGGGTGGGGCTGCATGGGCTCACTGTGCCCTGACCCCAGGCCCCA	23735
CCCCTTACTTGAGCCTTGGCATAGATCTACAACACTAGGATACCTATGCCAAGGCTCAAGTGAGGGGAA	23736
GCGGGGCTCCGGGTTTAAACGTCGCGGCGGGGCAGGGCCGGCGGAGGGGCGGGGCGGCCTCTGTGTCGTGTACCGGGTCCCGTAG	23737
CCGGTTCTGAGGTTGAGTTCGTCAGGGTTCCGACCCAATGCTGACCAACTCAACCTCAAAACGGC	23738
CCGGTTCTGAGGTTGAGTTCGTCAGGGTTCCGACCCAATGCTGACCAACTCAACCTCAAAACGGC	23739
TCCAGAGACTGGAGCTGACTTGTGCAACTGGCCTGATAAGCCAACTGCAGTCATTGGA	23740

Table 2. Additional miRNA sequences

TGGCCGCTGACGCTGGCGCTGGAGAGCGGCGACGCCAGGAGCTGTGAGAGAGCGGCGGAGCGACCCGGGGCCCGC	23741
TGTGTGGAAGGCGGAGGAGACACTGTTTGGGATGTCGCTCTGCCCTCCACCCATC	23742
AGACCCCAGCAAGGCAAACCTGAGCCATTCTTGGGACAGGGTTGGTCTTGATGGGGCCACATC	23743
AGACCCCAGCAAGGCAAACCTGAGCCATTCTTGGGACAGGGTTGGTCTTGATGGGGCCACATC	23744
CTGAGCGCGATGCGCGGAGACCCCCGCGGGGGCGGCGGCCGTGAGCCCCGATGAGGCCCGAGCGTCCCCGGCC	23745
CGTGGGCGGAGGGTGCTGGGAGAGGGGCAGCTCCCGCACCGTCCTGCCCCATA	23746
CCGCTCGCCGGCTCCTTGCGGCACCTACTGGGACCCGGGCCGGCTCCCGGGGCGGCGGCGGGGGTGGGG	23747
AGTGGGCGGGAGCAGACCAGGTGCGTTTCCTAACACCTGGGTTCTGCCCCGTCCACGCT	23748
CGGGGCGCGCCCGGCGCGGGGAGGGGTTCTGCGGCCTCCTCCCGGGCTGCGCCTCGCT	23749
AGGCTATAAGGTGTAGTAGCCTGTTGCTCCTAGACTAAAAATCTGTGCAGCTTGTTACTACGCTGAATAGCGTA	23750
CGTGAGAAAGTGAAAGGAGCCCGCAGGCGGCGGCGACAGCTGCGCTGGGAGGGGCTTGTTTCCAGGCTCAGAGGC	23751
CAGAAGGGCGCGGCTTCCGGGATCTGGCGGGGGCCTTCGTCTCTCCTGCCAGCCTCAGCTGGGTCGTCTTCTGTG	23752
GGGCTTTGTGGGTCAGCCACGTCGCCGCGCCCGGGCTTCCCCGCGGGCCCGC	23753
CGCCCCAACCGGCAGCTGGCGGGCCTGGTGGAGAGCGTGCGGCGGCTGGGGTTGGGCGCGGG	23754
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CCCCGCAGCCCCGAGGGGTCTGGGCGCGCTGAAGACCCCTTCGGCTGCTGGGCCA	23760
TGTGCGTTTGTGTGCGCCCCTGGGGTGTGTTTGTGTGCGCCCCTGGGGTGTGTGTTTGTGTGTG	23761
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CCGGAGCTAAGGGAGCCCGGGGCTGGGAGAGCCGGGGCGGCCGCGTCGCCTGTCCCCAGTCCCGGTCTCTCTTCCCCGCTG	23763
TACAGATCTGGGTCTCTTAGAGTTTATACTATTTGCAGTTCTTTAAGTGGCCTGAATTTGTAGA	23764
TACAGATCTGGGTCTCTTAGAGTTTATACTATTTGCAGTTCTTTAAGTGGCCTGAATTTGTAGA	23765
CTGGGGTCGGTGCTTGCTGCCTGCGGCTCTCAGAAGCCTCTGCTCCACCGCGGCGAGAGGCATGGGCACGTGG	23766
GGCGCTTCCCGGGGCTGCGGCGGGGCGGAGCTCGCGGAGGAAGTCGGCGGGGCGTCTCGGGCTCCAGGTCCCGGCCAGAGGAGGAGCTCG	23767
CAGATTTTTGTGGTTGTTTAATAGTCCCTGGGAACATTTGTCCTCTCACCACCAACCAGAGTCAGCCAACTAGGATCGATGTC	23768
TCCGGGCATCACCTCCCACTGCAGAGCCTGGGGAGCCGGACAGCTCCCTTCCCAGGCTCTGCAGTGGGAACTGATGCCTGGA	23769

Table 2. Additional miRNA sequences

TGCACTAAGTATATGCCAAGCATGGTTGTCAGCTTGGCATACACTTAGTGCGTG	23770
CGCAGAGGCGGCGGGGATGCCGGGGCGGCTCGGGCTGCGGCGCAGCTTCCTCCTCTGCAGT	23771
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CGGCGGCGGCCGCCGCGGGGGCCACTTGCCTGGAGAGGTTTCATCTGGTCAACGGCTTCTGCCCGCCTCC	23774
CGCCCGCCGGGGGCGCGCCGGCCTGCGCCCAACGGTCACCGCCGCCCCCACCTGGGCCGCAACCGCCGGCGCCCCCGCCCCGTGCCGCGGCCGC	23775
GGGAGGGACGCGGAGGGTCCGCGGGGCGCGGGGGGGTGTGG	
CGCCCGCCGGGGGCGCGCCGGCCTGCGCCCAACGGTCACCGCCGCCCCCACCTGGGCCGCAACCGCCGGCGCCCCCGCCCCGTGCCGCGGCCGC	23776
GGGAGGGACGCGGAGGGTCCGCGGCGGGGGGGTGTGG	
GCCAGGCCGGGGAGGGGGCCGCGCCCGGGCCTGGGCCAAGAGCGCGCGTCCCCCGCCCGGGCCCTGCGGCCCTCCCCAGGTGTCTGAGCAG	23777
CAGAGCACGCCTGCCCGTGGGAATCCCAACACTTGTGCTCCGCGAGGCCGGCGGGGGCGGGG	23778
TCCGTCCGTCCGTCCGTCCTCAGGCGCGCTCTCCGGGGACTGGGGGCTGGGCTCTGCCAGGGCAGGGCGATGCGGGGGGTGTGGGGG	23779
GCGGGCAGCGCGGGATCGTCCGGCTGCGGGGTCCGGCTCACGCCGGGCGGGGCGGGGGCGCGCTGTCCCGGAG	23780
CGCGGCCTAGCCAGGGGAGGGGGCGCAGCGCCGGGGCCATGGATCCGCGTCAGGCCGCTGCTTCCCGCCGGCGGGCCCGGGG	23781
GGCGGTGACTGCCTCGTTGAACGGTTAGGACTGCTGGACGAGGCCGCCGGCGC	23782
GGGTGGCCGACGATCCAGGCGCTCGTGCGCTCACTGAATCGATGACGGCTGGC	23783
ATCTCAACATTTTGTCTTGTGGATATTGACAAATTGAATCCAAAGTTTATATGGAGATG	23784
GGGGGCCGGGCTCCCACTGGGCTCGTGCGTTCTGCGCCCGCCGGCGGTGCCGAGCCCGCTGGCTCCCGA	23785
CCTCCGTTGCTTTTTTGGATCATTGTGTGACCCAGTGTGTGACCCAATGAAGCAATGGAGACA	23786
CCGGCTCCCGGCGCGGGGCGCTATTTACGGCGCGGAGCCGGAGAGACCTGGGCTGGCGCGGGCGGGAG	23787
GTGAGTCAGGGGCAGAGCAGGGCGGTCTGAGCGTGCGGGCGACGCGGGTCTCACTCGTCCGCTCTGGACTGCGCGC	23788
CCTGAGCAGTCCGGAGGCCGAGCGCGGGGAGTTGGGAAGGGGCGTGGCCCTGCCCGAGCTGGCGCCAGGGAGGCTCCCACCTGCCAGGGG	23789
GAGCGGCACAGCCTCCCACCCTCCCGGCTGGTGTTAGTGCCCGGACGGCGGGCTCTGCGCTCCG	23790
GGCGGGGGCTGCGGCGAGGGCGGGCGCCGCTGGCGAGGGAGGGCCGCCAGCATCCTCCCTGGCCGCGCCGCCGCACCGCGCC	23791
CCCGCACCGCGGCGGCGGCAGGGGCGGTGGCGGCGGGGACGCGGCGCGCCCCCAGCTCGCGGCGGCGGCGGTG	23792
GGGGTGGGGGGAAGCGCCCGCGGGGCGGGGAGGGACCCTGCAGGCGCGGACTCCACACCCAGC	23793
CTGCGGAGCCCAGGACGCTGGGAGGAGCGTTCTGCGCTCCTCCGGTCGCGGTCTCCGCACTA	23794

Table 2. Additional miRNA sequences

GGGTGCAGGGGGTCCTGGCGCCGTCCAGCCCGGGGCGGAGTTCTCAGCAACTCCGCGCGCCGGGATCCCGGCCGCCCTCCCCGCGCGGCGTCCCCC	23795
CGCGGGAACGTCGCCGTCACCTTGTCTCGGGGCCTCGGCGCTGCTTCCCGCCAAA	23796
GGGCGGGTGCCGGGGCGCGCCTGCTGCGCGGGGCGGGACGCGGACTCCCAGGCTCTGCGGAGAGCGGCTGCCACTCGCCTCT	23797
CGCGGCGGCGCCAGAGCGCGGCGAGGCCCTCACTTCCGGGCGGCGCGGGAGGCGCCCAGCGAG	23798
TCGCCCGGGCCCCGCGCCGCCCTCGTTGCGGCCAGCGCGCTCCCGAGCGGAC	23799
ACCAGTGGTGGGAGGAGGCTGCGGCGCTAGATGCGGACACCTGGACCGCCGCGCCGAGGCTCCCGGCGCTCG	23800
GTGTCACAAAGGGGCGGGGCGGCGGCAGCGGAGCGTTGTCGGCCAGTGCCTTCCGTGAAGTTG	23801
AGGGAGCCTCTGTTGGGGCTGGAACCCTGGGAGGGGTAGAATTCTCCCCTCCACTCAGATTTGTTCCCTGTTGCTGCCCACCTGGCCCCCTGC	23802
GGATGTTCTGGGTCAGCTGTGGGGCACCAGGTTGGCCTGTGGGGTCATCGTGCTCCCTCCTCCTGGGCCTGAGCATCCAC	23803
CCAGAGACAGGGTGCAGCTACAGTGTGCACAGGGACGACCCCTCCTCTGGGCATCTCTCCCCTCATGTGTCTGTTCCCTGTCTCTCTAGC	23804
CCAGAGACAGGGTGCAGCTACAGTGTGCACAGGGACGACCCCTCCTCTGGGCATCTCTCCCCTCATGTGTCTGTTCCCTGTCTCTCTAGC	23805
CAGCTCGTGCAGGTGCGGTCCTCAGGTGGGGACAGTACTTCATGTAGGGA	23806
GGCGGCTCTGACGCAGTCGGAGTTTTCACCTCGCGCGGTTAGAGCTCTTG	23807
AAAAGTAATTGTGGTTTCTGCCATTAAAAGTAATTGCAGAAACCAGAATTACTTTTGC	23808
TGTCAGTTTGTCAAATTCTTTCACCGACCAGTTTTGTTCCCTTGCTGGCGAGGAGTTGTGATCCTTTGGAGA	23809
CACCTGTAAGAAATGCCAGAGGATCGGTTGTGGGCCCCTCAGAAGAACTTGGCTCAGTTCACCAGGAGAA	23810
CGTCCGTGTCGCTCTCGCTGGCGCTGTCCGCCATGGCCGCGGCGGGCTGGG	23811
AGCCTTCTTTGCTCATGCTCTAGTCTAGATTTGTGCTTTCTGAGCCTGGGCACACAGGGGTCACC	23812
AGCCTTCTTTGCTCATGCTCTAGTCTAGATTTGTGCTTTCTGAGCCTGGGCACAGGGGTCACC	23813
AACTGGGTGTCATGACAGAAAACAGAGCAGATGGTTTTGTGGACATGGCACCAAGTGAA	23814
CCCCTCCAACCTGGGTGACAGAGCGAGTTTGAGTCTGTGTCTCAAAAGACACAGTCTCATTCTGTTGCCCAGGCTGGGGGGCAT	23815
GCGCGCGCCGCCTGCCCTGAGCGCCTGCCCACCCAGCGCCGCCGGAGCAGGGGGCGCCGCGC	23816
CCGCGATCCTCCCCGAGGATGCGACGGCAGTGCCGAGCCTTTGTATCCCGCGGCTGATGCGTTGCGGTG	23817
TGGCTGTTCCCCTGGTGGTTGCATCCAAGTATCTGTCTTTCTTTATGGACCACGAAGGGAAGCCCAC	23818
TGGCTGTTCCCCTGGTGGTTGCATCCAAGTATCTGTCTTTCTTTATGGACCACGAAGGGAAGCCCAC	23819
TGCCGCTGCTGTTGCTCCTGAGGCTGCTGGCTGAGGCCGGAGGATCGAGCGGCGGCGGCGGCGGC	23820
CTAAGAATGACCGCTGAAGAACGTTGACCCATTTGAGTACCCGGTCTCAGTCGTCATTTTTAAGT	23821

Table 2. Additional miRNA sequences

CGCCCGGGGGCTGCGGCTGGGCTGAGTGTGTCTTTAAATCTGAGCCCCCCGCCCCTCGCGGTGGG	23822
TGGGAGCCCCGGGGTGGCGGTGGGGGCAGGGGAGCCTCCTCCCACTGACCTCACCTCTGGCCTCAGC	23823
CCATGGTGAGTCCAGGGGTGCGCGGCCGCGATCGGGGGCAGCGGGGCCGGGGCAGCCGCGGGGC	23824
CGGCGCTCGGCATTGTGGCAGGCGGCTGGGGCCGGCTAGGGGCGCCGGAGCCGCA	23825
TGCCAAGCCCAGTGGTCCTGGCCGTGCGCCGGAGGCAGCGGCGGTGGCGCAGCGGCGACAGTAAGTGCGGG	23826
GCCTGGACACCTGGAGTCCTGGACACCTGGAGTCCTGGCCT	23827
TAGGAGGGCAGGAAGGTGGGTCTTCTTGTGACTGAAGGTCCCCCGGATCTGCCCCTCCAGA	23828
GGAGGCGGGACCAGGGGGCGGGGCGAGGCCCTCAGCCGGCTCCCAGGGCACTCACCCTCCCTCCCCGCCCCGCG	23829
GGGGCGGGGCTGGAGGGCACCCGGGAGCGGTCCGGGGTCTGCGGTGTCCGCGGCGCGTGGGGAGCAGCGGCCCCGCCAGTT	23830
GGGGCGGGGCTGGAGGGCACCCGGGAGCGGTCCGGGGTCTGCGGTGTCCGCGGCGCGTGGGGAGCAGCGGCCCCGCCAGTT	23831
GGTAGGGGCACGCGGCCGGGATCCCGGGAGGGCCGAGGTTTCCGGGGCCGACCCCCACTCT	23832
CCCGGCTGGACACGCAGCGGCTCGCATCGCAGAGCGCAGCGCCGGCGCGGGGC	23833
CCAGGACGCGGGGGCTGGTCGCCCCAGCAGCTCTGAGATGCTCCCAGCCCTGCTCCCTGTGGCA	23834
GGCGGCGCGGGGGGCCCGGGCGCCCGCTCGCTCCGCGCTGCCCGC	23835
CGCTCGGCCAGGCCGGCACCATGCGGCCCCTGCTCTGCGCGCTGACCGGACTGGCCCTGCTCC	23836
CTGGGGCAGCCGCGCCCGCGGAGTTTTCCGCCCGGGCGCTGACGGCTGCTGCGCCCGCGGCTCCCCAGTG	23837
ACCTGAAAGTGATCTGTGATCCAACCTCTTCTGGATCACAGATCACTTTCAGAAA	23838
TTTCTGAAAGTGATCTGTGATCCAGAAGAGGTTGGATCACAGATCACTTTCAGGTTGG	23839
TGTGCTAAGTGAAGTCAGACACCAAAACATTATGTGGCTTTTGGTGTCTGACTTTGCTTAGCACACAAT	23840
TGTGCTAAGTGAAGTCAGACACCAAAACATTATGTGGCTTTTGGTGTCTGACTTTGCTTAGCACACAAT	23841
GAGTTCACAGGAGATCTCGTCCTTTAAAAGTGTATGGACAAGATCGTCTGTGAACTCAGG	23842
TGTAAATATACCACAACTGTTTTTATTAAATCACTATTTTTAGTTATCATGTTGTCTTTATGAGCAT	23843
CGCGGCCAGCCCGCCCTGCGTCTCCTTCCTCCCCGGGCTGGGGCCCAGGCGAGCGAGACGGGCCGGAGCCGCGGG	23844
GGAAAAAACAAGGTATTGTTCAGACTTATGATTTTTTGGGGTCAAAGATTCTGAGCAATAACCTATTAAAAAACC	23845
AGATTGATTGATGGCTCTGTGGCAAACACTACCATAGAGCCATCGATCAATATGT	23846
TGTTTTCTAATCTGTGTACTGGAACACACTTTCATAACTGGCACACAGATTAGGAAACAGA	23847
AGCTCTGGGCTGTCCCGGGCTCAGTCTCGCCGGCGGCCCCCGCTCCCGGATCCCCC	23848
CTCTCTGCTTTCAGCTTCTTTACAGTGTTGCCTTGTGGCATGGAGTTCAAGCAGCATTGTACAGGGCTATCAAAGCACAGA	23849
CCGCCTGGCGCCCCGGGGTCACAAGTTGCCTAACCTGACCTCGGTGCGGGCCGGTGGGCGGCG	23850

Table 2. Additional miRNA sequences

CCACAGAGCCGGCGCGCTCCCGCCTGCAGGGGGAGAGCAGACGGGGCGCGGGG	23851
CGGAGTGGCGGCGGCAGCGGCGGCTAGAAGCGGCAGCCCCTCTCGCGGCCGCGGCGGCAGCAGCGCCAGCC	23852
CGCCGCGGCGCGGGGCCAGCAGCTCTGCGAGGGGCCGGAGCGCGGCGGGAGCCA	23853
TAACTTGAGACAACTGAGCTGGGATGTCCCTTCTCAGTTGTCTCAAGTTAGA	23854
CAAGCTGTTCCGCGCGTCCTGCCCGTCTGTCCCCGCGGGTCGTCGCCCGCCACAGCCGCGC	23855
TTGCCTAAAGTCACACAGGTTATAGATCTGGATTGGAACCCAGGGAGCCAGACTGCCTGGGTTCAAATCCAGATCTATAACTTGTGTGACTTTGG G	23856
GCCCCGTCCGCCCCCCGCCTCCCGGACCTTGGGCCGCCCTCGGGTGGCTTTTTCCCTGCGGGCCGGAGGGAGCGCGGACGGGGGCG	23857
CGGGGCTGGGCGGGCGCCGCGGGAGCAGCGCTAACGGGCTCCCTCCCCGGGCGCCCTGGGGCCTTTT	23858
CTGGGGACCCGGTTTGGGGCTGGGGCGCGGAGCCTAGCCCAGGACCGGCCCTCGGGC	23859
TCAGCAAGGTTGAAGAATACAAGATAAATATGCAAAAAACATCGATTGTATTTCTACATACTAGCA	23860
GGCGGGGGCTTGGGGACGGGGGAGGAAGAAACCTCCCCCTCCCACCCCGTCAC	23861
CCTGCCACGCGGGAGGCCTCCGGGAGAGGGCAGAGGGCGCCGGGCAGGGA	23862
CCCCGCCCTTTCCCGGGACGCGGGGCCCGGCTCGGGGCGGGAGCGGGCGGGCG	23863
GCTGCTCATCTGCTCCTACCTGGACATGCGGGCCCTCGGCCGCCTGGCCCAGGTGTGCCGCTGGCTGCGG	23864
AAAGAGCTGTGGTAGAAAGTAAGGTTGCAAATCACTTTCTACCACAGCTCTTTGTT	23865
GGAGCGCGGCCCGGGGTGGAGAGAGATACACCACACTGCCCACCCCGGCTCCGCCTCCCC	23866
TGGGGAGCATCAGGATCAAGATGCCTGAAGGATCCTGACCCTGCTCTTGCTCTCAGG	23867
GGCCCTGAGCCCTGCTGGCAGGCGAGGTGTCGCGACCGGTCCCAGGTGGGTCGGGCGCG	23868
AGGGGTTGGAAGGCAAGTGGGTCTCGGGCCTGGCTCACCCTGCTTTCATCCCCAGA	23869
TGCGGCGGCTTCAGCTCAGGCCCTTGCTCTTCCTGGGGCGGCCGCGCTCCGCGGGCTTGCCCGGGCTGGGCTGCTGTCGCCGCTGTCGG	23870
AGGAGGAGGAGGGAGGGACTCGGCGGGAGGATGGTGAGTGTGGGGGCCTGGGCCCCCTTGGAGCCGGCCGGTTATCCCCCTCCCGTCC	23871
CTCGTCGCTCGGCCTCGGCCTGGCCTATCGCCGGCCGCCGTCCGACGGGC	23872
CGGCGCACTAGGATCGGGCCGGCGCCCGGCAGACGAGGGCCAGCTACGTCCCTGACGCCGCT	23873
ACCTCCCAATTCTTTGCATCGCTAGGGCAAGCCATGCAAAGAATTGGGAGGTGA	23874
TCACCTCCCAATTCTTTGCATGGCTTGCCCTAGCGATGCAAAGAATTGGGAGGTGA	23875
TGCTCGGCTGTTCCTAGGGTGTTTCTCATCTCTGGTCTATAATGGGTTAAATAGTAGAGATGAGGGCAACACCCTAGGAACAGCAGAGGAACC	23876
AGAAGCACTAGTCTATGACCATGGTTCTCTATGAGTAAACATAGTTAACCACAGAGAACCATGGTCATAGACTAGTGCTTCCGA	23877
TAGAGTCAACTCTCATTGTGAAATCTGTTTTGTTAGACCATATTTAGGTTTCACAATGAGGATTGACTCTAAC	23878
TCTCCGGGCGCTGGAGGCGCCGCGGCGACCCCCCCCCTAGGCCTCGCAGGCGCTGCCTCCGCCTATCCCCGCTGACC	23879

Table 2. Additional miRNA sequences

TGCCGGCGTTAGAGCGAGAGGAAGTGGAAGGCGCCTCTTCGTTCTCTCTTCCGCGCTTCGCTGAGGGACT	23880
CCACTCCCTGAGGGTCCTAAGGTGAATCTCAAAGACCCTCAGGGAGTAAGC	23881
CCACTCCCTGAGGGTCCTAAGGTGAATCTCAAAGACCCTCAGGGAGTAAGC	23882
GTGTGCGTATGTGTGTGTGTATATATATACACACATATATACGCACACAC	23883
TGTCCCTTCTTTTAAGAGTGTCTGGTTGCTTTGCTGACAAACACCTCAGAAAAAGGGACAGA	23884
CAGGGGTTTGGGGAAACGGCCGCTGAGTGAGGCGTCGGCTGTGTTTCTCACCGCGGTCTTTTCCTCCCACTCTTG	23885
AGACTGGCCAGAGATCTTTAGACTCTTACTTAGTTTGAACATCTCTTGCTGCTCACA	23886
AATAGTCGTTGAGGTCTCAGCCCCCCTAAGGTCTCCAAGCTCATTTGACCAGCGCAGCTGCGACTTCGGCTGTCTGCCTCTGGCA	23887
TCCTCCGTGACAGACTGCAGACCATGTTTAGAAGAGAAGGAAGGTTTGTGGATCAAGAGGGTTG	23888
CGCCCGGCCTGTGTGGTGCTCAGATCAGACTTATCCACCCGAGCACCACGCAGACCAGCGCC	23889
GCCGCTCGCCCCCGACCCAGCCGCCCGATGTCCTCAAAATGGAGGCAGCGGGGGCGGCGGCGTGAAGAAAGCGGCGC	23890
GGGGGAGCACAGGGGCCCCCAGATGTGATGACTGCTCTCTGAGCTCTCTGCACTCCCAGGC	23891
TCCTCCTCGGGCGCCCGCGGCGATGTTCAACCGCGCCGGCTGAGCCGGCTGAGCAGGAAGCGG	23892
GAGTCAGAATTCTCATCAGGCTGTGATGCTCAGTTGTGTGTAGATTGAAAGCCCTAATTTTACACACAACTGAGGATCATAGCCTGATGGTTCCTT	23893
TTTGTTT	
AGGCTATGATCCTCAGTTGTGTGTAAAATTAGGGCTTTCAATCTACACACAACTGAGCATCACAGCCTGA	23894
AGGCTATGATCCTCAGTTGTGTGTAAAATTAGGGCTTTCAATCTACACACAACTGAGCATCACAGCCTGA	23895
GAAAGTAATGGTGGGTTTTTGCCTTTAAAACTAATGGCAAAAACCCACAATTACTTTTGCACCA	23896
CACGCTCACTCCGTGTCCGCGACCGTCGTCGCCGGCGGAAAGCGAGCCACGGGAGGGAGTGTGTG	23897
GGTACAAGAGTAGGTTACAGCCTGTTTACACATCTAGGACAGAGCCCAAGCTGTATCCTACAAACAGGCTGTAACCTACTCTTGTACCCA	23898
AGTCCCAGCCCAGTGCCCTCCAGCTCAGCCCTAAGGTGCCAGGGCAACGTGGCTGGGTCTAA	23899
GCACCCGGGCGCTGCTGGCGGCCAAGCTGGATGGGTCGCCAGTGAGTTTCGGTGCGG	23900
TGCTGGGGGGAGCAGGGGGAGGATTGTTTCACCCACTCTTGTCTCCCCGCGTCCCCCGCAGC	23901
AGAGGCCCAGGCTCTGGAAGACCTGACTGGCTTTAAAGAGCTCTTCCAGACCCCTGGTCATA	23902
TTGATTCTCATAGATTCATAACAGAAAGGCTGGGAGGGACTGTCAGAGCATCAGGT	23903
GCAGCCCGGCCGAGCCCGGCACCATCCAGACCCAGGGCGGCGGCGGGCGGCTC	23904
GTCCTCAATTCCCAGGCTGGGAGGAGCCCTGCCCGGCGCTGGGTCGCCAGGACAA	23905
GTGAGCGCGGCGGGGCTCGGGAGAGCAGAGCCGGGGGCCCGCGTCCTGCGAACGGCCCCAGCGCCAGCCCCGGGCCCCGCGGCCGCCT	23906

Table 2. Additional miRNA sequences

GCCTGGCACCACGGGGACGCTCCCAGGGGGTGCCCAGAGGGAACGTGCGCATCGGGCGGGGGTAC	23907
CTGGAGGGGCACGGGGGGTCCCAGCTCTGACCCAGGCTCTCGGCCCTGTCTCCTCCAGCC	23908
CTGGGAGGGAGAGACTCAGGGTGTGGTGCTGGGGCCCCATGGCCGGACACTGACCATGCGCCCTGTGCTTCCTCCCCAGG	23909
CAGAGGAGGTCAGCTGCGGGGAGCGTTTCCGGGGACGGTGCCGCCATGAGATTGACCCCGCG	23910
TGGTCAGTGCCTCCTGTGTTGGCCGCAATGCTGTGCTCCTCACAGCTGGCGCTGACCGCT	23911
TGGTCAGTGCCTCCTGTGTTGGCCGCAATGCTGTGCTCCTCACAGCTGGCGCTGACCGCT	23912
GGGGCGGCGGCGGGACCGAACAGCATCCACGGCTGCCACCGCGGATCGGGCCCCGGCCGCGCGC	23913
GCCCCAGCGTAGCACCCACCCCCCTGACGGTCCCGCCCCGCAGGGAGGGCCTGTGCCGGCTGCTGGAGCTC	23914
CTGAGGGGCAGGAGGTGGGAGTGGGGAATTCAAGCCCATCCCTCTCTGACCTGCCTACCTGGC	23915
CCGTGGGCAGGGCCGGGTGTGGCCGGCGTCCCATACTCTGGCTGACCCTGGCGCCCACAGAC	23916
TGTACGTGTGTATGCGTGTGTGTACGCGCGTGTGTACACATGCGTGGCCGCCTGTGGTGTGCA	23917
GGACGGGCGCGGGGGCGGGGCGTGCGCAGGCCCGCCCGAGTCTCCGCCGCCCGTGCCCTGCGCCCGCAACCCGA	23918
GTGGCTCCTTGCACCTGTGGCTGCCTGTGGATGGGGAAGGTGCCCAGAGGATCACGGAGCCACT	23919
GTGGCTCCTTGCACCTGTGGCTGCCTGTGGATGGGGAAGGTGCCCAGAGGATCACGGAGCCACT	23920
TGGCAGCTCTGCAGGGAGGCAAGGCTCGCTGTGCTCCCTCCACTGCCGTGTTGCCAGC	23921
ACCGGAGCTTTGCCACAGCAGCACTTGAGCCGGGGGCCATAGTGCTTGTGGACAAGGACGGCGA	23922
GAGGGTGGCAGGCCGCGCCTCAGCCCACAGGCAGGTGCTCAGGGGGCCTGTCTGCCCCAGG	23923
GGGGGTTCTTCGCGTGCGGCCGGGCCGGGCAGTCTGGGACGCGCCGCCGCCATGATCATCCCTGT	23924
TCCCGGGGCCGAGCCTCGCTGCCCGGCGCCCACTTTGCGGGAGGGGAAACTGAGGCCGTGCAAGGAGG	23925
TGTCGCCGCGCCCGGGGGGTCCCCGTCCCTCCCTAGCCCGATCCCCCGGAGCCGCGGCCCCACC	23926
GCCCGCGGGGGCGCCCCGGCCGGGTCGGCGCGGACGGCACTCGGCGGGACGCGGGCGGCCC	23927
GGCACTGACCACGTCACTGGATCTGATTAGCCAGATTCAGTGTCTGGTGAGGGTCCCTTTCC	23928
GGCACTGACCACGTCACTGGATCTGATTAGCCAGATTCAGTGTCTGGTGAGGGTCCCTTTCC	23929
TGAGGACCCCCAGTGCCCACAGGTTCAGAGAGGGAGGTCTGGCGGGCGCTGCGGGGGCAGC	23930
CACTGACTTTCTGGGTGAACCACCAGCTGTGGTCTTGCTCTCAGCAGGGC	23931
TGGGCAGCTGGGTGGGCCTGAGCTAGGGCAGCAGGGCCTGGCTCACGCCGCTGCCTCAGA	23932
CTTCCCTCCCCAGGCCTCGCTTCCCCAGCCTTCTGAAAGAAGGAGGTTTAGGGGATCGAGGGCTGGCGGGGGAGAAGCA	23933
GCCCCGACGGGGAGCCAAGAAGCGGGTTCTCACCAGCAACCGCATCTGCTGGCCCCTTGATCTGGGCCG	23934
TTCCAGAAGGCAGCCGGGTGATTCTTGGGAAAGATCTAGAATCCCCAAGCTTTCTGGGAGC	23935
CTGGGGAGGGGCGCCCGCACCCTGGGGCAGTGGGGCAGCCGCGGGTGTCTCCCTCCCAGG	23936
CGATGGCACCTGCCCGGATGCACCTCCGCATGGGTGGGGTCTGGCCTCGGCCATGGGAGGTGCTTCTCAGGCTCCTCCATCGCC	23937

Table 2. Additional miRNA sequences

TCTAGCGCTGGACACATGAAGACACCATCTCTGTCTTTATGTGGCTTACAGTTTATGGGGC	23938
TGCGCTCGGAGCTTTGACTTGAGAATCCATATCCTTCGTTCAGCACAAAGTTTCTGAGCGC	23939
CGGCGCCGCGGCCGCGCGGGGAAGGATTCCCGGGAGGCACTCTGCGCCGCT	23940
CGCGCCGTCGGGCCCGGCTCGCAGCAGCGGCGGTGGAATGCGCGGGAGGGCCCTGGCCGTGCG	23941
GCGGGAGCCTCGCGAGCAGCAGCTGCCCGGGCCGGGCCGCAGCCGGAGCCTGAGCCGCGCGGCGTCCTTCCTCCGCGC	23942
CAGCTCGCTGGTGGTGCTGAGGCTGTCTTCATTGAGGCTGGAGGGTGAGGACGGCAGACTCAGCTGAGCCAGCAGCAGCA	23943
GCGAAGGGCCGGGAGGCTGGGCAGTCCTGGTGCCCGCCTTGGCCTAGCCCCGGCCCCCGGGAC	23944
CCGGCCCCGCCCCGCCCCCCGAGCCCCGGCCTCATTTTCACACGGTCCCTCCCGGGCCGGGCGGGAAGCGCAGGCGGGAGCAGTGC	23945
GCGCTGGGGCGAGAGCATGCGCAGTCGCGGCACTCGAGTCACCCGGCTGCGACTCGCTGGCCCTGGCGCTCT	23946
CGGCCTGGACGCACCCCCCTCGCTGCTCCTCCGGTGCTGGGGGATCTGAAGAGGGGCAGGCGGCCGGGCAGCG	23947
GGTTGAGGCCTGGAGCCCCCCGGGCGCAGCGCCGGGACACTACCCGGCTCCAGGTCCTCGGCTTC	23948
CCGGGCCGCCTCGCTCGCTCCCAGCTCTGTCAGTGGCCCGCGGGGGCCCGATC	23949
TGCTGCAAAGGTAATTGCGATCTTTGCCATCTTAATGGTAAAAACCACAATTACCTTTGCACC	23950
GACGGAGGTGCCTGTTTACCCGCGCCGGACTCACCGCCGCCGCGCGGGATCCGAGTGCGGGGCGCGGGGCGCTCCCGGCGA	23951
AAGCTTTCGGCGGCGGCTGAGCCAGCTGAGGGGAAAAATGGCTCGGACTGTGGCGGCTTCG	23952
ACCGTGCCCAGCCATATTTATTAATCTTAAGAGGTGTTGGTTTGCTGGGCGCAGTGG	23953
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TAGCAGCATTATTTATAATGGCCAAAGAGTGGGAACAACCTAGATAGCCATCGACTGATGAATAGAT	23955
GCTAATTGGATTACAAGGTACACATTAAAGAATTAGACTGTATATTTGTTGCCCATTTAGCCAA	23956
AGCTAAATGTGTGCTGGGACATTTGGCTCAAATGTGTCCCAGCACACATTTAGCTCA	23957
GAGGGGCAAGGATAGTGGGGTGGTTTTAGTTGGGAGACCACCACTTCCAATGCCCCATCCCC	23958
CGGGGCGGGCACTGGCGGAGGGACTGGCCAGTCCCCTCCTCCGCGCCGGCCCCAAC	23959
GCGTCAGGAATGGGCCCCAATCGCCGTGGGCCCCGCACCCTGCGTCGCCC	23960
GCCACCCCCCGTTCCCGGCAGCCTCGCCCCCTAGTTCTGCAGGAGCCGGCCCGGGGGAGAGGGGG	23961
GGCGGCGGGGGCCCGGTCCCTGTCCCAGGCGCTCCCCGCCCCCCGCCCCCGCCAC	23962
AGTTGGTGCACCTTCCAGACACTGCATCCATGTGTCAAGGTGGCAAATTACCAGA	23963
TGGTGAGGCTGGGGCGTCTGAGGCCGGGACACCCAGCCTCCCTCTGACTCTCCGCCTCTCCCC	23964
GCGTCCCGACCCGGCCCCGGAGAAAACTCCCGGGGCCCCTTAGGCCCGCGC	23965
AGTCATGGCGGCGACTGTGGCGACGGCGGCAGCTGTGGCCCCGGCGCCAGCGCCCGGCACG	23966
CGGCGGCGGCAGCGGCTTCCCGGGCACCTGGGCGTGGGGAGCGGGGGCGCGCGGCGCG	23967

Table 2. Additional miRNA sequences

GCTCAGGGAAGGAGGGGTGGCCCCAGGAGGTCCAGCCCTGCCATGCCTCCTGCCCTCAGC	23968
CCACAGACAGGGATGCTGCATTCCTGCCTCCTCACGGTGGGGTCTGTAGTGTAGCACCAGGGTCCCGTGGTG	23969
GTGCCCCCCAGTGCAGACGCGGAACTGGCGCCCGCTCGGAGCGGCGCCGCGCTGGGGAGCGACT	23970
TACTGAGTTGCAGTAGGGTATCAGCTTCTGATGCTAATGTGTCTGATTCCTGCTGTCTGCTTCTCAGGG	23971
TACTGAGTTGCAGTAGGGTATCAGCTTCTGATGCTAATGTGTCTGATTCCTGCTGTCTGCTTCTCAGGG	23972
CGGCACGCCGGCGCCTCGGGTTCCGGACAGGCCCCTTGTGACGTGGCCGCG	23973
GGTGGCTCCGTCTGTCTGTCCGTCCCGCCGGGTGCCATCATGGCGGACGCGGCCAGTCAG	23974
TCCTCCACCACCTCCTCCTGCGGAAGATGGTGAGATCCAGGAGGTAGAGATGGAGGATGA	23975
TCCTCCACCACCTCCTCCTGCGGAAGATGGTGAGATCCAGGAGGTAGAGATGGAGGATGA	23976
CCTCGAGAGCTGATAAGAACAGAGGCCCAGATTGAAGTTGAATAGTGCTGGGCCTTTGTTTTTACCAAGTTCCCTGG	23977
TGATGATGAAGATGGTGAACATGGTGGTTACCAGATGTTTACCATCTTCATTGTCATT	23978
CCGAGGCCGGGCCCGCTGCGGCCGCCGCCAGCTGTGTCCCGCCGGAGGAA	23979
AGGGAGGGAGAGCGCGAGGCGCCGCCCCGGCTCCCCGGCGGGTCGCACCTCCAGTTCCGCCCCACC	23980
GAGGGAAAGATTTGTTGCAAGTCAACTGGGAAGGAGACATGCTCAAATCTGTCTCCCCAA	23981
CTGCAGGGAGGGGGCGGCTACTTCCCTGCTGGGGCTGGGGTCCTGGCTGGAGCTGAGCCGCCCCCCTTCCCCGCAGCT	23982
GAGCTCGGGAGCGGGGACCGGTAGCCGACTGCCTCTGGGACAGCGGTGGCGTCTCTGTGCCCGTTTAGTGGAG	23983
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TGAGAGAACTTCGCCCTTGTTGCCCAGGCTGGAGTGCAATGGCGCGATCTCCTCTCACCT	23986
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AGGGCCGGGCAGGAGCTGGGGCAGGGGCTGAGGAGCATCAAGCTTGGTTAGCACTGTCCCCCTCACCCCTCTCGCCCAGG	23988
GGGGTGGCATGGGGGCCAGGGTGCTGCGGACCCGGTCCAGGGCCCTGACTCGTCCATGCCTGCCCAGC	23989
CAGAGAGGGGCCTGGGGCCCCAGCCCCGCAGGGGACGGGCCCTCAGGCTCCGGCA	23990
GCCGCCGAGTGAGGGGACGCGGCGCGGTGGGGCGGCCCGAGGAGGCGGCGG	23991
TGGAGGAGCTGGGGAGGGTTTCGGGGAGGAAGCCTCAGCACCCCTCTTGCTCCTACCAGC	23992
CGGCGGCAAGTTCTGCAGCGAAGGTGAGCCCCGGGGAGCGGCCGCCCGGT	23993
TGGAGGGTGAGGAGTGGCTATCAGTGAGGGGAGAGGCCAGCAAGGTGCTGAGGCCACTCCTCATGCCCCCAGT	23994
TGGAGGGTGAGGAGTGGCTATCAGTGAGGGGAGAGGCCAGCAAGGTGCTGAGGCCACTCCTCATGCCCCCAGT	23995
GAGTTGTCCCCCCGCGGCCACTCCCGGGGGTTAAACGGTCTGGCCCGGGATGGTGCAACCCG	23996
GTGAGGTGGCCGGGCTGTGCGGCGCAACTGTATAGACTGGGGGCCCACTA	23997

Table 2. Additional miRNA sequences

TGGGCGGGGTGGGGCGGGGCCTGGTGGGGGGCAGCGCAGGCCCAGGCCCGGTGCCCACTGCCTGCTCCCCTGCCAGT	23998
AGGGGTAGGGGCCACAGAGCAGGGCACCCGGCCATCCCATCTGTGACCCCACCTCTAG	23999
TCTGCGCGGGGGCGCGGTGGGGTTCTGCGGGGTCGGAAAGACTCCCCAGATCCCCGCGCGGGCCCCAGACC	24000
GGGCTGGGCTGTGCGCCTGCGCAGTGTGGGTCGCTCCCGATTCCCTGCCCCGGCCGGCCCCGCCTCGG	24001
GGGGAGGGAAGGGGCTGACGGCAGGGTCTGCAGTCACTGGCCACCACCATCAGCACCTTTGTCCTCCCAGG	24002
CTTGGGCAGCAGCGGCAGCCATCTTGGTTTTAGGAAATGGGGCCGCCTGGCCCCAGCCA	24003
CTTGGGCAGCAGCGGCAGCCATCTTGGTTTTAGGAAATGGGGCCGCCTGGCCCAGCCA	24004
GCTTCCTCCCGCCGTGGCTTCCGCGTCGCTTCCCGGTCAGCTGCGTCCTTAGCGGGAGCCCGAGTGC	24005
GGGGGCGGGGCGGCCCAGAAGGCCAGCGGGGTGCTGCGAGGGGACGTGGAACGCTCCGCACCCCAA	24006
GGCACCCGCGCAGGGGCCGCTGGGAGTCCCGCGCTGCCTCCCCTGCCCCCCGCGCCGGGGCCAC	24007
AGGCTCGGGTCCTGGCTGCACTCATCTATGTCTGCGGGGGCAAGAGTAGCGCAGCTGGAAACCCAGCCCCT	24008
GGCGGGGCTGGCTCTGGGCCTCAGACACTCTGGAATCGCCAAGGTCTGAGCTCAGGGCCTGGCCCCCTTC	24009
CTGGGGGAGGAGGAAGAGGAGATGGGGAGGCAGGTGAGCCTGACCAAGCAGCCTGCTCCCTTTCTCCCTCCCCTTCCCCCTCC	24010
GGGGGTGGGGCTAGTGATGCAGGACGCTGGGGACTGGAGAAGTCCTGCCTGACCCTGTCCCA	24011
ACTACGGCTCCCGGCAGCCCCCGCCGGCCTGCGCGCTTCTCATCGCCTGGGCTCCTGGGGATCGTGGTCC	24012
GCCGGCCGTTCCGCGAGGGGCGCCCCAGCGCGCCCCGAACCCCTCCCCCCGCGGCCGGTGT	24013
ATCCGGGCCAAGCTGCGGCTGCAGGCTCAGTCCCTGAGCACAGTGGGGGCCCCGGCTGG	24014
GGGCACCCCTCGGGGCTGGCGGGCCCTGGGAACTGCGCCCCGGGCGGGTCCTC	24015
GGGGTCTGGGAGGCAGGGGCCCGGGCAGCCCTGAGCCCAACCCCTGGCTCCCTCTCCCA	24016
CTGTTGCTGGCCTGGGCGGCCGCAGGGCCCACACTGGGCCAGGACCCCTGGGCTGCTGAGCCCCGTGCCGCCTGCGGCCCCAGCAGCT	24017
AGGGTATTCCTGCAGCAGCCAGTCTTATGGCAACCTGGTGCTGGAGAGCAGGCCCAGGCA	24018
TGGGGCTCAGTCGGCTGCTGCGGCCACTGGCTCCTATGGTGCCGCAGCAGCCTACGGGGCCCAAC	24019
TACCCTGACTGTCCCTCTGTAGACTGTTGAGACTGAGTTCCTGTTGGGACAGTCAGTTGG	24020
TACCCTGACTGTCCCTCTGTAGACTGTTGAGACTGAGTTCCTGTTGGGACAGTCAGTTGG	24021
CGCGCCGCCCGGAAGCCACCGCGGCCCCCCTCACTCCTAGAGGAAGGGAGCACCGCGAGGCTCACGGCAGGGCCCT	24022
TATAAAATGGGGGGTAGTAAGACAAGGAAGGAAGGTCTTACTGCCCTCATTTTATAGA	24023
GGGTGGAGGTGGGCAGGGGCGATGCGAGCATTGTGACCCCTTACCAGCTCCCACCCCT	24024
GGTGGGGAGCAGGGTCCTTGGGGCCACTGTGACCCTGGGTTCCTCATCTCCCCCCAG	24025
AGCCCAGGCTGGGGCGGGGCCTCGGAAGCAACTGCCCTCGCCCTAGCCAGGGCTGC	24026
GGCGACCCGGGTCCTCGAGGCCGAGATCTGGCTGTGGCCCGCGAAGCCCCGCTTGCCCGC	24027

Table 2. Additional miRNA sequences

CTCTGGGGCTGCGGCTCCTACGGCCCGCCTCGCTGGGGCTCCAGGTTGCCGCCTCCCCAGGTC	24028
GTGACCGGGGAGGCCCCGCGGCGCCCGCCAGCCAGCTGCTCCTGGCTCCCCCGGCACGC	24029
GGGGTGTCGGGGGAGGGGGTGCTGAGGTGCAGCCAGCCTCCCCCACCACCCCAG	24030
GAGCAGTGGTGAGGGGCGGGGGGCTCCCACCCCCAGCCCGGCTCACCCACCACCT	24031
CCCTCCCCACCCCGGCGGGGGTCCGGGCAGCCCCGCCTGCAGCGGAGGAGGCA	24032
TGGTGGGGGAGGCAGGGCAGGAGGTTGGAGCAGCCCTGCCCAGCCCCGTGGCCGCCAGC	24033
CTTGGAAACTGTGACTTTAAGGGAAATGGCGCACAGCAGACCCTGCAATCATGCCGTTTTGCTTGAAGTCGCAGTTTCCCAGG	24034
CCGGTGGCAAGGTGGATGCAATGTGACCTCAACTCTTGGTCCTCTGAGGTCACATTGTATCCACCTTACCACTGG	24035
TGTAAGCCAAGGAGCTGGGGCATTGGGGCAGGCAGTGCCGTTGGCTGATGCTGTCTCCCCCGGCGCCTCTCTGCCAGG	24036
ACTGGACGGCTTGAACGCGCCTGTGGGTCCGTGGTTGAACTTTGTCTCCACGGGAGCGTCGGTCTCGGTGAG	24037
ATGAGGGCTGAGTTTGCACAGTGGTCTGGAATGGACTGGGTGCCACGGTGGACTTAGCTCTGAGG	24038
ATGAGGGCTGAGTTTGCACAGTGGTCTGGAATGGACTGGGTGCCACGGTGGACTTAGCTCTGAGG	24039
ACCACCAGGCCCCAAAGGAGCCAGACAGTGGCAGGAAGCCTGGCTCCTGCTCCTCCTCTGAGCTGGTGGTCT	24040
GGAAAGGGGAAGCTGCCTGTGGCCTGGGCTGGTGGCACAGCTTCCTCTTTCTCT	24041
CGGGCCCAGCCTGGGCCGCGGGCGGCAGCGAGGGCAACCCGGGCCCGCCGCGTCGGCGGCGCGTTGGGCGCAGCC	24042
AGCTGAGCCTGCGGGGCTGGCCCTGGCTGCTGCTGCCTGCAGCCCCCCAGCTCAGGCTCC	24043
CTCATCTGTCTGTTGGGCTGGAGGCAGGGCCTTTGTGAAGGCGGGTGGTGCTCAGATCGCCTCTGGGCCCTTCCTCCAGCCCCGAGGCGGGATTC A	24044
TGAGGGATGGAATCTCCTAGCCTGGAGATAATTAAATAAGGCTTAGATCTCCCTCTCTCCCTT	24045
CTCCTGTCCTGAGCTTGAGGACTCCCCTCCCAGCCTCCAGCTCAGCCCAGGAAA	24046
CTGCGGGAGGCGGGGCGGGCACGGCTCCACCGGAGCCGCAGCCGCCGCCGCCGGGGAGGGGGAG	24047
CGGACTTCGGACTCGGGCCTGGAGACCGCCTCCTACCCAGAGCCGGAGCCCGCA	24048
GGCGGGGCGGGCGGCCCGGCGGGGACTAGGCGGCGCGGCGAGCCCGGCAGCCTCGCGCGCCCGCTCCCCCGCCCC	24049
CGGCGCGGGGGGGCGCCACGCAGGTGATGGGCGCCTCTCCGGGGGCCACGCGCG	24050
CGCGGGAGGGCGCGCGCGCGCCCCTTTTTCAGCAGTGTGGCGGGGTCGCACGCACGCCCGCCTCGGCG	24051
ATTACTATTTACCCCATACACATGGGGGGTGTTGGTGGTGAGGTAAGTAGCAGTGA	24052
CGGGGCAGGCATGGGAGCCGCGCTCTCTCCCGGCGCCCACACCTGTCTGAGCG	24053
TCGCCCTTTTCGCTCGCGGTTTGGGAGGAGGAGACTGCGAGAGACAAGCGCGAGG	24054
TTCGAGGCTACAGTGAGATGTGGCAGGATCACATCTCACTGTAGCCTCAAACC	24055

Table 2. Additional miRNA sequences

CGGCTGCGGGGGCAGGTCCCGGCGGCCATAGCGCGCCACCTGCACCCGCAGCTCGCG	24056
GGAAGATGGGGGCGGGGTGGAACAACGGGCCGGTGAGGAGCAGCCGCCGCCGTCTCCGC	24057
TAAATTAGAGGAGAGCAGTTTGGGTCTGGACAAACTGCTCTTCTCTAATTTAA	24058
TGGGCGCCCGGAGACGCGCAAGGGCGCCGATGGAGGCAGACTCGCCAGCGGGCCCCGGCGCCCCAGA	24059
CGCAGGCTCCCCTTTCCCGCCCCGCCTGTCCCGCCTCGTCTCCCTCGGGCGGGAACGCGAGCCAGTGCC	24060
AGTGGCGGCTGCAGAAAGCGTGGAGTGAATGGACCAGAGACCGAGCCGCGCTGCTGCCGCCGCCGCGC	24061
TGCGGAGCTGCAGCAGGACGACGCGGCCGGCGCGGCAGACGGCCACGGCTCGGTGGGCTCCGCGGC	24062
AGCTGGCGGGGGCTGCCGGGGGCCGGGGAGCCGGGCCCGCGGGCCGCCTGCTGCCTCC	24063
CGGTTTCTGAGGTGGGTGGCGGGGGAGAATAAAGAGCCCAGTCAAGTCTCCGCCCTCCTCAGTGAGCCAGA	24064
ATCCCCGCTGTTTCCCTGAACCTATTTCTGCAGAGGCTCGGGGAGACATCGGGGATGA	24065
TGGCAGGAAGTACCATGGAGATACAGGAGGCTCTCCATGGTACTTCCTGCCCCTC	24066
TGGCAGGAAGTACCATGGAGATACAGGAGGCTCTCCATGGTACTTCCTGCCCCTC	24067
AGGAAGAACCAGGCTGTTATGCCATGTGGGCATGTGGCACAACAGCCTCGTTCTTCCTGC	24068
CAGTCCTCTCTCTGCCCCAGACCCTACCTGGGGAGGGTAGAGGGAGCCAGGCTGGC	24069
TCCGGTAGGGTTCGGGCCTTCCGGATGCGGCTTGGGCGCTCTTCGGGGACCTCCGTGGCGCGGAAGACCCGAGCCTGCCGGGGGGG	24070
GATTTCCACAGGTCGGACGCCTGTGAGGTTAAGAAGGGAGGTGACCCCTGTGGAAATC	24071
CCCGCCTGCGCGGCCCTGGCACCTGGCAGCGGGCGCGAAAGAGGACGAGCCCAGGCACTCGGGCCTGCGGGGTCCTGGGAC	24072
GAAGCCCTGGTCCGGGAGGCGGAGGCGGCGTCTCCCGGCGCAGGGCCGGCT	24073
GCCGGCCCTGCGCCGGGAGACGCCGCCTCCGCCTCCCGGACCAGGGCTTCCAG	24074
AAGGGATGGGGAGCAGTCCGCGGCGCTGAGAGACCCGGGTCCCTGTCACCTCGGGCCGCGGGACCTCTCCGCCGGCGC	24075
GGGCACCGTTTGCCTCAGGGGGGCCTGCCCATGGCCTCCCTGGGGCAAACGATGCCAGC	24076
TGCTGGCTGCCCAGCTGCTAGGACAGTTTGCAGAGCAGTGGCGTGCGGAGCGGCGGCGGACCACCTCCAGG	24077
CTGCCGCCCGGAGCTCTCTCTGCGAAGTCTGGACGCAGAGGCTGCACGGCGGCAGCG	24078
AGGAGCAGCCTTCTCTCTGGGGAATTAGAAACTATCTACAGAGAATGCTGCCCCCAC	24079
TGAAGTATCAAAGCACACAGTTGAGGCAAGAGAGCACATCAAACTGTAGGTTGAAGCCA	24080
TCAGGGAGAAAGAAGGGTTATTAACATTAAAAGAACTTGCAGTAATTCCTTTTTCTCTTCCTCAGA	24081
TCAGGGAGAAAGAAGGGTTATTAACATTAAAAGAACTTGCAGTAATTCCTTTTTCTCTTCCTCAGA	24082
CGCGGGGTCCGCCGCCCGGGGGCGCCCCCAGCGCGCGGACGGCGGGACCCTGCGGC	24083
CCTCTGCCTGGGAGCCCCTCCGCCTGGAACAAAGCGAGGGGCCCCGGCGGTGGGGGCA	24084
CCCTGGTGGCCTCTGCTGAATGGGTTCCTTGGTCAACAGATAGCAGCCCCTCTAGGCCAGTGGAGGACCCATGGAGAGGCCAGCAGGGAC	24085

Table 2. Additional miRNA sequences

GCAGAGGAGCTGGGGCCGGCGCCGGGAATTCAGGCCGCGTTCGCCGCCGCTTCCTGCTG	24086
AAGCCTTTGTGTCCCCTTCTCCTTCTTGCTGTGTGATCTGCAGAGGAGGGGGATAAAAGGCTCATC	24087
ACACGTTAAGCAGGGAGCAGGTTTACATTAGAACTAAACCTGCTCCCTGCTTAATGTGTGT	24088
CGGGAGGGGGCGGGCTCCGGCGGGGACCCCAGCGCTGCAGGCGGTGCGGCTGAGCCAGGGAGCCCCCCCGCGCCCTGCG	24089
TTTGCACTGGACTGGGAATGAGTTTTCACCTGCTCATTCCCAGTCCAGTGCAAGAG	24090
TTTGCACTGGACTGGGAATGAGTTTTCACCTGCTCATTCCCAGTCCAGTGCAAGAG	24091
CTTGCACTGGACTGGGAATGAGCAGGTGAAAACTCATTCCCAGTCCAGTGCAAAAG	24092
CCCTGAGCCAAGTTCTCCACTCCACAAAATGAACTTCTCCCTCATGTGTAGGGCATGGCTCAGACT	24093
CCCTGAGCCAAGTTCTCCACTCCACAAAATGAACTTCTCCCTCATGTGTAGGGCATGGCTCAGACT	24094
AGGCACTTGGAGTTCTTTGCCCAGACTGTGTTGTATGGGCAGAGACCTCCAAGTGCCTTC	24095
GCACTTGGAGGTCTCTGCCCATACAACACAGTCTGGGCAAAGAACTCCAAGTGCCT	24096
GAGCCTGCAGGAGGCAGCCCAGCCCTGCTAGCATTCTGGGAGAGCTCCGACTGCAGCTGC	24097
ACGGGCTCCATTCTCCCATGTGCCAAACTCGTGCTCTCGGGGAATGCAGAGCCCACT	24098
TCTGAGATCTCTATGAGGAGGCTTCCCCCTTCCCCTCTAGGAAGACTCCTCATAGAGATCTCAGAGT	24099
TCTGAGATCTCTATGAGGAGTCTTCCTAGAGGGGAAGGGGGAAGCCTCCTCATAGAGATCTCAGAGT	24100
TCTGAGATCTCTATGAGGAGTCTTCCTAGAGGGGAAGGGGGAAGCCTCCTCATAGAGATCTCAGAGT	24101
CGGGCCCCGAGCGCGCCGCAGACCGGATGCGGGAAGTGGGCTCGGGGCCCCGC	24102
AAGGGCCCACTCGCCCAGAGACGCCGTGGGGTCACGGCTGCGGCCTCGGCGGGGTGGGCTCGACA	24103
GAGGACCCCCCCCTGCCTGGCCTTCGAGTCTGGAGGGAGGCCAGGAGGAGGAGGTCCTGTGA	24104
TGAAAGGTTCCCTCTGCAGGGACCTGGCCTCCAGCCTGCTGGGGAGGGACCGGGACCCTGACTGGAGGTCAGA	24105
GAGCCCGGGGACGGGGCACGGGGCCCGCGAGGCACGGGTGCTCTCTCGGGGTTCCGGAAGCCTCCCTCCCCGCCC	24106
GGCGCGGGATGCGGGGCGGGGCCTGGGGTTGCCGCCCGAGGCTCACCGGCCCCGCGTCCCCGCAGC	24107
GTGACCCTGAGTAGCTGGGATTACAGGTGCCAGCATATGCACCTGTAATCCCTCCTCCCTGGGGAAAAATCT	24108
TGGGGCAGGGGAATGGGTGAGGCTGAAGCTGAGAGTCAGCGGCCTGCCTTCTCCCATGCCTCAGC	24109
GCTGGTCGGCGGCAGCTCTGCTGGTGCGGGGGCGGCGAGCCCGGGATCGAGCTACCGCGGCCGAGCGCCGGCCACC	24110
CTGTCCCCGCCCTGCCGGCTGCCCCAGGCCAGTGGAGTGGCAGCCCCAGAACTGGGACCACC	24111
TGGGGGGTGAGCAGCCCCTCGGTGTCCGCCIATGCCTGGACCTGAGGTTTGACTGCCCCCCACC	24112
TCACAACCCTGCTGTTCCTGTCGCCTGGAGAGAAGATGACAGGAACAGCAAGGTTGTGAGGACA	24113
ACGCAGGTGTCAGATCCGCTCGGCAGTGCTCGGCGCGCTGGCCCGGCCCCC	24114
ACTCAGCAACCCACACACGGTCTCAGCAGCTGAGACCGTGTGTGGGTTGCGGTGC	24115
ACTCAGCAACCCACACACGGTCTCAGCAGCTGAGACCGTGTGTGGGTTGCGGTGC	24116

Table 2. Additional miRNA sequences

GTTACAAGCCCAGTATGCATTAGGTATTTGTCCTAATGCATGCTGGGCTTGTAACCT	24117
CCGGCCTGGGGGGCTGCGCCGCTCGCCCCGCTCGCAGCCGCGCGGCCCCACGCGGCCCCGCT	24118
CCCGGGTCCCCGCGCCGCGCCGCGACCTGCAGACCCCGCCGCCGCTCGGGCCCGTCT	24119
CTAACTGCCCCTGTGCTGCACGGACTGGGGAGGAACATGCAGCATAGGGCAGTTAGGA	24120
ATCTGTAAAAGGAGGGGGTTGCTCAGGACCCTTGCACCTCCTTCCTTTTACAGATGA	24121
AGGTTCGGGGCCCCGGCGCTGCGTTGGCGGGTTCGCCGCGGCGCCTAAGCCCCCGACCTCC	24122
AGCCCCGCCGGAGCGCCCCGAGAGCCCGCGCGTCCCGGGCGTCCGTCGGGGTCCG	24123
TCTCCCACAAAGTTGCAGTCAAGTATCCACTAGGGCTGAAGTTGTCTGAAGGCTT	24124
CGCGGCGGGGGCGGCCGGCCGGCCGCCGGGATGCGGAGGGGCGGCGACGGGGGCCGGACCCTGCCGGGGC	24125
TTGTGGGCCAGCTGGAGTTCCGGGTGGGAGTGGGCTTGGCAGGCCCCCACATTCGGAGCGACCGGCTGGCCCTGCCAGC	24126
GGGCGCCCGGCCGGCTGCGGTCCGTGCGGAGGCTGAGCCGGCCGCGGGCGCGACC	24127
GGGGGCTGGGGGGCTCGGGAGAGTTTTCTGCTCCCTCTCCTGAACCCACGCAGCCCTGT	24128
GCGCGGTGGGCGGGAGTTGGCGGACGGTCCCTGGCTGGGTTCTGGAGGCCCTGGGACCGCGGAAGAGGCTTCAGACGCTGCAGCGA	24129
GAGTGTCTCGGAAGCCTGTGAGGGGCGGAGACCCGGCCCGGGGAGGTGGAGAAGCTCGC	24130
GCGCCCCCGGCAGCAGCACCATGTTGAATCGCGTCCCCGGGCTGAGCTGCCTCAGCCGGCGGCGC	24131
CCAGCCGCCCCCAGTCGTGTCCCATGGCTGTCCACTTTCCTCCCCGTGTCACAGGTGGGCTGGCCAGGTGAGAGCTGCTGGCAGGTGGGC	24132
CATGTCACTTCCTCTCTGATGGCCTCAGTCTCTTCTCAGTCTCCTCTGAGGTAATCAGAGAGGAAGTGACATATC	24133
CCATGCACCTCTAGGCCGCCTGCGATCACACAGTCAGCCGGGGGGTCGAGGGGGGTGCCACCGA	24134
ACGCGAGGGGACCGGGGCCCCCGAGAAGAGCGGTAACCCGACTGGTCGGAGCCCGCCTCTCGCCGCCC	24135
AGGCCTCTCCTCGGCCTGCTCCTCTCTGACCTCCCGGTCTCCCTCTGCAGGCTGGGGGCAGAGGCCTGA	24136
TGTGCGCGCGGGGGCCCCCGGATCCGGGAGCGGGACCCAGGGCTCCCCCGCGCCGCC	24137
TGGCAACAGAGTGAGACCCTGTCTTTTTTTTCTTTTTTTGAGACAGTCTTCCTCTGTTACCTAGG	24138
AGGTTGTTCTGGGTGGTCTGGAGATTTGTGCAGCTTGTACCTGCACACAAATCTCCGGACCACTTAGTCTTTA	24139
CCCCGCCCCGCCCGCCGGGGGAGGCGCGCCGGGGCTGGGACAGCGCGCGGCCGCGGGCGCGGGGGCGGGGGGCGC	24140
CCTGATGGCACAGGCGGTGTGTACACCATGTGTGTACACCGCCTGTGTCATTATT	24141
TTGTTGAACTAGGGCAGGATCCTTTCTGTCCAGAAGAAAAGGGACCTGCCCTAGTTCAGTAGGA	24142
GTGGGGTGGGAGCAGCCACAATGGGGGCTCTGCTGACCATCTGCCCTTCCACCCTACAGC	24143
GAGGGCGGACCAGGCAGGCGGTTGGCCCGGGCGGGGCCTTCGCTGCTCGGGCCGCCCCCGC	24144
CCGGCGCGGGGTGGGCCGAGCCCCCCGCCCGGCCAGGGCCACGTGGCCCCTACCCGGAAGAAGGCGCCCACCCCCCGCAAAGG	24145
GGGCAGTGTCTACACCTAGGTCGGGGAGGCTGGGTGCCGCCCTTCTTCGGATCCCTGGGTCGGCTGGCGAAACCCGC	24146

Table 2. Additional miRNA sequences

CAGCTGCTCTCTGTGCTCCAGACGCATCATGGGCTTTGTGAGTCGGAGCCAGGAGCGCCGGCTGCT	24147
TTCCTGTCCTTTTTCCAGAGGGTTTAATCTTCTGACCCTGGGGCAGGGATGGGCTTGTCTT	24148
TGTGGGGAGGGCACCAGCAGGGACCTAGCCCCCAACTCCCCTTGTGTCCTCCTCACTCC	24149
ATGGGGTGTGGGGCTGGGAAGAAGAGGACCCTGACCTTTCCCTCTTGGCACCCTCCCCCCAGGA	24150
CCGCCGGCCGTCGGGGCCGAGCCGCAGCCGAGCGGCCGTGGGCCCGGGCGGGCGGGAG	24151
TGCTGCAGGCTCATACCATCCTAACTCCTGTAAGCGACTTTTGGTGATAGGAGTCTGTGATT	24152
AAAGCAAATGTTGGGTGAACGGCTGTTTCCTCTTATTCAAGCCATGCACCTTACTCTTGCTGGT	24153
GGAGCTGCAGAGGCCATCTGGCGCGGAAGGCAGAAGGCCGGCCCTCAGCCTCCC	24154
CAAAAGTAGTTGTGGTTTTTGCCATTGAAAGAATGGCAAAAAACGCAATTACTTTAGCA	24155
TGAGTGCGCGGGGGGCGCGCGCGGGCCCGGGAGAGGCTCCCGAGCCAGGCGGTCTTCGGTCCTCGCAGCGCTTCCA	24156
TCTGCTCTGGTTATGTAGAGGCAGGCATGCCAGTGCCTTTATGTTGACTGGGGCAGTGG	24157
AGCGCCCAGTGCCCTGGCCCGGAGAGTGGAATGATCCCCGAGGCCCAGGGCGTCGTGCTTC	24158
TGCCACACCTCTTCTCCCTACCTATACATAGGGCAAGGTATGGGAGAAAAAGGTGTGCAGA	24159
AGCGGCGGCGGCGGCTCTGGGTCCCGGCAGAGGGACAGCCGCGTCCTGATGCGCCACAAGGTCCCGGAGCTCCGAGCTGCCGG	24160
CCTGGACTTACCATTTGAAGGTGGTAGGAAATGGCCACCTTCAAATGGGAAGTCTAGGCT	24161
CTCTTGTTCACAGCCAAACTCTACTTGTCCTTCTGAGTGTAATTACGTACATGCAGTAGCTCAGGAGACAAGCAGGTTTACCCTGTGGATGAGTCT GA	24162
AGTGGCCGCCCGCGTCCCCGCAGGACCCGCCTCCTCGGCTCCGCAGAGCGGCACACAGG	24163
CATGACTCTAGTAGGTTGAGAAATAAGTTAATGCTTGTTAACCTACTAGAGTCACTGTG	24164
CCGCCCGGTGAGGAAGCCCGGGGTGGCTGCTCCGCCGTCGGGGCCGCCGAGCCCCAGCCGCCCCGGGCCGCCCCCGCACGCCG	24165
CGCGCACTCCCCGGGCTGGAGTTCGGCGAGGCCTTGGGACTGGCGCTGGAGCCCAGCGTGGGATGACCGTG	24166
CGGCCGCCCCCTCGCGGTAGGGCAGCAGCTTGCTGAAGCTGCTCCCGGGCCGGGGCCGCG	24167
CGCAGCCCCCGAGGGCGCCCCAGGCCAGGAGCTGCGCGCCGTCGGCGGGCCGTGCC	24168
CTGCCCCGGGTGATGCAGCCGTCAGTCGGGGGCCCCCTGTGTGAAGCGGCCGTCATCCGGGGACCCC	24169
GAGTTTGGTTTTGTTTGGGTTTGTTCTAGGTATGGTCCCAGGGATCCCAGATCAAACCAGGCCCCCTGGGCCTATCCTAGAACCAACCTAAGCTC	24170
ATTTCAGTTGAAGCATGGAGAAACTCTTAAGCAGTGTTTCCTACTCTATGG	24171
GTCCAGTTTCTTCCTTGGCTTCTTAAAAAGTCTACTTGTGCTTGAGTTTAGTAACTTTATCAAAGAGTCAGGGAATGGGATAGGGA	24172
AGATAAATTCACTCTAGTGCTTTATGGCTTTTTATTCCTATGTGATAGTAATAAAGTCTCATGTAGGGATGGAAGCCATGAAATACATTGTGAAAA ATCA	24173
ACCGAGGGGTCTTCCAGGAACTCCGGCATCTCGGGGATCTGCGAAGCCCCCTCCCCACA	24174

Table 2. Additional miRNA sequences

GCGGGGAGAGCCCGGCGCTCGGCGCAGCGCGGCGCCAAGCTCCGCGCCTCTCCCGCCC	24175
GTGCTGGGGTCACGTGGCCGCGGGCGCCGGCCAGGCTGGAGGCCCGCGGGCAGTGGAGAGACGC	24176
GGGAGGGGAGGCGAGGCGGCGCGCGGCCCTGACAGCTGTCACCGCCCGGTCACTGCTTCCTT	24177
AAGGCCAGAAGTCCCACAGGTGTGCTTTCCAGCCCTGCTGTGGGACCTCTGGCCTTGA	24178
CCACCCATACTGCAGCAAAAGTCTTGAGGGTCTGAACTTTTTGCTGCAGTGTGGATGGTA	24179
GGGCGAGCGTCCCGGCTGTCACCCTGTCCTGGTTTCCAGACTCCGGGGCGGAGGGCCGGGGCGGTGGGGCTGGG	24180
ATGGTCTGGCAAACAAAAATCAATCAATATATAATGTATTTATTGATTTTGTATGCCAGACCATCC	24181
ACCGTGCCCGTATATATATGTCATTAAACTAATGACACTCAGGGCACAGTGG	24182
GTTTGCAGCCGCCACGGCCGCTGCTGCGCTCCGGTGCAGGGCAGGCTGGCGCCGAGCGAACCAGGGCCGGGAACTGGGAGCCG	24183
AATGCAAAGGTGTGTAGGTCAACACACCCAAGGGTGACAAACTGCTGACTTACACACATTTGCATTGC	24184
ACACTTGCCTCCTTTAACGGAGTTAAAGCTCCTTTAGCCCCATTAAAGGAGCCAAGTGTGG	24185
TCGGTGTGGGGGCGGGGCCTGGGTGGGGCCTAGGCGGGGCGCGATGGCCCGGGA	24186
CGGTGAGCACAGGGGGTGCTGGGGGCTGAGACAGCTGGCCCACAGCTGGGTCCCTCTCTGAGGCATCCTCTGCCCCCTCCCCAGG	24187
AATGTAAGGGTGTTCGGTTGCGTGCATGTGCGTTTTTAGCAACACATCTACCAACCCTGTGCATGAC	24188
CCCGCTCTCCCGAAGCTGTTCGGGCAGTGTCCGAACGGCTTCGGAGGGGCGAGAA	24189
CCCGCTCTCCCGAAGCTGTTCGGGCAGTGTCCGAACGGCTTCGGAGGGGCGAGAA	24190
TGGCCCGCGCCGTGCTCGGCGGCCTCTCGGCAGACCGACCCCAGGGCCGGCGGCGGCGACTACGGAC	24191
GCTGGCCAGGAACTTTTGGGATGGGGACACCACCTCTCAGCCCTCCCTCTTCCTGGCCCCAG	24192
GCTGGCCAGGAACTTTTGGGATGGGGACACCACCTCTCAGCCCTCCCTCTTCCTGGCCCCAG	24193
TGTGTCCCATAATTAAATAATGAAATCTGAAATCACCAATAATGGGACACTAATGTGATTAATGTTGTGTCCCATTATTGGTGATTTCAGATT	24194
TCATATATGATTAAGGACATA	
TGCCAGCTGCAGTGACCCTGCCACAGAGGCAGGGTCAGTGCAGAGGTCGC	24195
TGGATTGGGGCAGGCCAGGACCCCTGCTCAGCTGCGGCTCTGTCCCCAGG	24196
GCGGGGGAGGAGGAGGGCAGTGGCCGCCGGGCAAGGCCGCTGCCCCCTGGGCCTATCCGCCT	24197
ACAATTCAGGACTCTTCCTTGAAGATGAGTTGGATATTTTTGGGAAGAATTCTGATATTGGT	24198
TGTGGAAGGAGCAGTTCCGGGTGAGGTGAGCCAGCGGCCCCGCGCTGCGCGCCCACC	24199
TTGCCGGCGCCTGACGCGCGCGGGCACCTGTTCGCCCCGCCCGCGCGGGATTCGCCGGCTCGC	24200
TCTCTCGCCAGGCGTCCTCGTGGAAGGTTCGTGTGCTAGTTAGATGGGCGCCAGGGGTCGCCGGCGGGGAAGCA	24201
CCCGCGGCGTCGGGCGGTGCGGATGTCGGGCTGGGCGGACGAGCGCGGCGGCGAGGGCG	24202
CGGGGTGGGGGCAGTTAGTGCCTGGGGGGGCGCGGCCCAACTCAACCCCTTACCCCAGG	24203
GGAGCTATTGCGGCCGTGGGTGGTCGCGGGCGATGCGGGGGCTGCCAGCTCCTC	24204

Table 2. Additional miRNA sequences

TGGGCTTGGGGAGGGTGGGCTCGCCCCCGGCAGCTGCCCATGGCGTGCCGTCCTTCCCTGTGCCCAGG	24205
ACAGCGAGAGGCAGCTCTGGGGCTGTGTCCTGACTCCAGCTAACCCAGGGTACCCTCTCGTTGCA	24206
ACAGCGAGAGGCAGCTCTGGGGCTGTGTCCTGACTCCAGCTAACCCAGGGTACCCTCTCGTTGCA	24207
TCCTGAGGCTCGTGGTTTCCCAGCTGAGAGAGGCGACCGTGAGCCTCAGGAACACC	24208
GGGGTGCAGGGGGGCGCTCGGCTGCTGCACCTGTTAGTGCTGGGCCCAGGTTGAGAGGCGACCTCCAGCCCCCAC	24209
CCTGGCCCAGATCTGATAAGCTGGCTCCTTTGCATGGGGGTGACTTGCAAGGCCCAGGTGAGGAG	24210
GCAGCCCTGCCCGGCTGGGCCCGCCTGCCAGACCAGCCCGGCCCAGCCGCGACGGGCTCGA	24211
GCAGCCCTGCCCGGCTGGGCCCGCCTGCCAGACCAGCCCGGCCCAGCCGCGACGGGCTCGA	24212
GAGGCGGAGGAGGAGGAGGAGGAAGTCCCCAGGAGCCAGCTCTCCTCCTCCTCAACCTCATCC	24213
TCCCAAAGTGCTGGGATTACAGGCGGCGTGAGCCACCGTGCCTGGCCTATCCCGGCACTTTTAGGAGA	24214
CGTGGAGTGGAAGCCCAGGGTTGCAGCCCTCTAGTTTCCTTGCTGACCCCAGGAATCCCCTCCCAGG	24215
AGTGGGCGCATTGTGGGGGCGGGTGCAGGCGGGCAGCTCGGGGAGCCCCAGCCTGTGACAGCCGTCCTCACTGACCCCGCAGT	24216
GCGGCGGCAGGGCGCGGACGGCCATATTTGCCGGCGCGGCCCGAGCCGCCGACA	24217
TGGCGGCAGCTGGAGCGGCGGCCGCGGTGGCAGAACCGGGGGCGGCCGCTGCAGTCTGGAGCCCCATA	24218
CTAGCCCTGAACTATCTCATTTTGCCCTTGCAAAAATAAGATTTTAGAATGAGGTATTCAGGGCTGAGA	24219
AAGATTCCAGGGGCTCAAAAACGCAAAGGTTTGCACTTTGAGAGCCCCTTGGAATGTTGA	24220
CACGGGGGCTTTGCTGGGTCAGCCCTCTCTCCATTGAGGTGTGGGCCCCCCTGCCAGGTCCTAGTGGA	24221
TTGGCGGGGCCCCCTGCACTCCCGAGTTGGCGCTCTCGGGGGGGTGGCCTGCTGGGGAGCAAGGCGCCCCGCCGACA	24222
CGTCGCAGCCGGGATTTGGGTCGCAGTTCTTGTTTGTGGATCGCTGTGATCGTCACTTGGTGAGTA	24223
GGGAGGCATGGAAATTTCTCTGGTTTCAATGGGTACGATTATTGTAAGCAGGATCCATTCAATAATCGGACCCATTTAAACCGGAGATTTTAAAA	24224
GACAGGAATAGAATCCCA	
CCGCGGGGCAGGCGGGGAGCAAGGCCTAGGCTCTGCCAGGGCAGCAGCTGCCCGAGTCCCGGGGGCG	24225
CCCCGGCGCGGCTGGAGGGGGGCCTGGCTGAGCGCCCCGCGTCCCCGGGTCCCGCGTCCCCGCCCCCCGGCC	24226
CACGCCACTGTGCCTTGCTTAAAAATAATCTTTTTTAGGCTGGATGCAGTGGCTCACG	24227
CGCCCGCGCGCTCACCACTCCCAGGCTGAGGTCCTCGGCGCGCGGCGCGGG	24228
GTCTCAGGCTCTGAGGCCCGGGGCGCCGGGCTCTTTTGTTTCTCCGTTGGGGGCCGAGCCCGGGCCCTAGTTGGAGCCGGAGTCGG	24229
GCTGAGGGAAGGGCTGGCAGGCCGTGTTTTGGTGGCCTCCTCCGTCCGCCTCTCAGAGC	24230
GCGGGGAGGGGCTCCGGGGCCGCGCCGGTCCTGACGCTTCTCTCCCGCAG	24231
GCGCGGTGGCTGCGGGGCGGGCAGGACAGGAGCCGGCACAGACACCGAGCGCCGCCCGCGCCTTCCCCGCCGCCCCC	24232
GGCCGCCTTGCTGTGGGGCGGGGATGCGCGCGCGGGCATCTTGGCGGCCTC	24233
GCGAGGCCGCCTCCAGGGAGGACACGATCTGCCTCCTGCAGAACGAGAAGATCATCTTGGAGGCGGCTTTGCAG	24234

Table 2. Additional miRNA sequences

TCGCCGACCAGGTAGGGCACCACCTCCAGGAGGCCCTCGAAGCAGGCGGCGCGGAGGGGCGTGGAGTTGGTGCGCGTGGTGCGGTTCAC	24235
TAGGTCTTTAACACAACTTGACCAAATTTTGTATGTGGTGTGAAATAGTTAATCTTGTTGACCTA	24236
CAGGGCCGTCGCAGCCGCTGTCGACACCGGCGTCGCGGCCTCGGCGGGTCTGGC	24237
TAGCGGGCTGGGTAGCGGGACAGCAGCGCACGCTGCCCGCTTCCGCTCGCTCCC	24238
GAGCAGCCCTGACCCGTGGGGGCGCGGCCTCGCGGGGATCCCGCGGGCGGGCGGCC	24239
CAGGCCGGCCGAGCGGCTGGGCTCAGGGGGTACTCCTACGTGCGCAGCCGCCACCCGGCCTGGC	24240
GGCGGACAGCGATGCTCAGCTGGCTGCGGCCGAGTCATCGCCTAGCGCTGGCAGGGCCGCTGACCGACCGA	24241
TGCCTGTTTGGGGAAGCTGGTCGTTTCCACTCTAGCTCAGCCTCCCAGAACAGGGAAG	24242
TGCCTGTTTGGGGAAGCTGGTCGTTTCCACTCTAGCTCAGCCTCCCAGAACAGGGAAG	24243
GGCCGGCGCGCACGGAATGGCCGCTGCGCGTCTTCTCCGCCTGCGCCGCCGC	24244
TCTACCTGATATAACCCCAACTGACTTTTAAAAAGTTGCAAAAATTTAGTTGGGGTTATATGAGGTAGAGA	24245
CGCGGCGGGGGCGCGGGCATAAAGGGGCGCGGGGCCCCGGAGCCTGGCTCCCGCGCAGCATGCCCGCCCGCCGCGCC	24246
CGCGCGCGTCCGGCACGGAGCCCACACCCACCGGGAGGCGCGGCGGGAGGGCGCTCG	24247
AGGATTTAAGAAAATATCAAAAATACATATAAGTTTTTGATATTTACTTAAATCCTGA	24248
TCCCGGAAGCTGCAGCAGCTGGTAACAAAGAGCCTGCCGGGGCCGCCTGCTGCCGGGGCCGAGGTATCCAGGAGT	24249
ACCATCCTCCAGGGTGTAGCAGTTTGCATACCTAAAGATGCTTCTACCTTCTGGAAGATGCCT	24250
GTGCAAATGTAATCATGGTTTTTTGCCATTGAAAGTAATGGCAAAAGCCACGATTACATTTGCACCA	24251
AGGTCGGGCCGCAGGGGCGGGGAGGGGGTGGCCTGCCCCAGTGGTACCTGACAGCA	24252
CGTGCCCCCTGGCTCTGGTGCCCACGCAGCCAGCAAGCACTGAGCTGGGGGGCAGGGT	24253
ATGGGGTACAGATTGTCCACTCCCACAGTGTGTTCTGATGGGATTGGCATCCATCGCAATCCAGTCTGATGCCTGTGCA	24254
CACTGGGCACCAAGTCTGTGTCTTGGTGTCATTGCTATTCACACAGACATTGTGTCCAGGTTCC	24255
CACACACAAAGTCTATGAATACTGAGGATAGAAGGTGTTCATAGATTTCGTGTGTGTG	24256
GCCACTTACCAACCCGCCTGGGACAACGCCGCGCCGGCCACCTGGGCCATGGTAGCTGCTTAGGCCGGGGGGTGGTGG	24257
GAGGAGGGTAGTGAGAGCCAGCCCCTCTTCCACCCCTGGCTCTTAGGACCCGCGTCGC	24258
CAAGCCGGTGCTGGGCGCCGCGAATCCGGCCCGCGACGCGGCGCTCTTCCCCGGCGAGGAG	24259
TTTCAGTTTGTACCATTGTTTGAAGTACTCAGTTGGTTGAATACTCCAAATAATGGTTCAAATTCAAAACC	24260
CTCGCGGTGGTTCCGGGCTGGTCCCGGGTCTCGGGCATCCCCTCCCGGCGCCACTGGCCGGTGCCCTACAAGTGAGTG	24261
CCTGCCCCTCCGCCGTTACCTGCTGCCGGGGGCGGCTTCCCCCACACACCACCCCGTGCTCCGGGGACGGCGGCGGCTGCAG	24262
TGAGGTAGTAGTTGTCCTACATACTAAAGAATATTTAGCAGCATCCCCCGGCTTCTACCCA	24263

Table 2. Additional miRNA sequences

ACCGGTAAGTTTGATATTCATGCTAGTGAACATGGCATGAACATCAAACTTACCTAA	24264
TGTCCCAGTTTCCACGTATCACAAGAATGACACAGGCATCAGGGATATGGTGC	24265
TCCCGGATCTCCGTGTCCCGCTCTACCAGCTTCCTGGGCGGCATGGGGTCTCGGGGC	24266
GCAGTCCTCTGTTAGTTTTGCATAGTTGCACTACAAGAAGAATGTAGTTGTGCAAATCTATGCAAAACTGATGGTGGCCTGC	24267
GATTGGAGGGGTCTGATTTGTTGAGGAGAGGGGAATAAACAAATCAGACTCCTCCAATCCT	24268
CCCCGCCTCCCCCAGCTGCCGACGTGGGGCGGGCAGCCGCCGGCGGCTGGGAGCCGAGGCGTCGGTG	24269
TGCTGACATCTATCTCCTGGACGATCCTCTCAGTGCAGTAGATGCGGAAGTTAGCAGA	24270
TGCTGACATCTATCTCCTGGACGATCCTCTCAGTGCAGTAGATGCGGAAGTTAGCAGA	24271
TTGTATCCAGAGACTTTGCTGAAGTTGCTTATCAGCTAAAGGATATTTTGGGTTCAGA	24272
CTGGTAACACTGGGGTTCTGAGACAGACAGTGTTAGCTCCAGAAGCATTGCCTGTCTTAGAACCCCTATGTTACCAG	24273
TCGCCGTTGGCAGCAGCAGCAACACCAGCAGCAGCCCCGGCGGCG	24274
TTATTGCAAAAGTAACTGTGGTTTTTGCCATTAAAAGTAATTAAAAGTAATGGCAAAAACCGCAGTTACTTTTGCAACAACC	24275
AGGACTGCTGGAGGACCACAAAGAAATGAGCCTACTCCTCTGGGGCCCTGGGCAGACCTCC	24276
GCGGGAGCCGCGCGGCCCGGGAGTGTGGCTGCAGTGCGCCGGGACACCAGGGCTCCGCGCTCCGCAC	24277
CTGATGGGTTGGTATTGGCTTCTGGTGGGAAGCTTCCATTGCTTTCCATGTAGACCT	24278
GTCCTCTAGGCCAGCGAGCCCCGCGCTCTCCGGTGACGGACCATGTCGGCGGCGGGAGCGGGCGCGGGCGTAGAGGCGG	24279
GAGCGGAGGGGGAAGGGCGGCGAGGCGGGGCGATGGGAACAGCCTGCCCCTCTCCCCCTCTCCCCCTCTCCCACC	24280
CCGCGCGTCCTGACGCCTCCTCCCAGGGCTGCGCCGACACTGGGCGGGGAGAGAGAAGGGGCGGGGC	24281
CCCGATGCGGAGGCGGGTCCGGCTGTCGCAGGGAGGGCCCAAGGCGGCTCCGGGTT	24282
GACAGACCTTAGAGGAGCCAGGTCCTGGGATGAGACCTCCTGGTCCCCCAAGCACCTG	24283
TGGCCCGGCGTCGCCTCTGCCCGTCGGGGTCGGGGTCGGGGCCCCA	24284
GCCCCGCGCTCCGCACCGCGCCCTCTCCGCGTCCCCGCCGCGGCCGGGACCGGGCAGCCAGGTGCGGGTGGGCAGGGGATGC	24285
CAGCGCCTCCCTCCCCGCCGCTGCAGGGGGGGTGCCCCCACCACCCACCTGGGCACAGCCCCGGGGTCCCGGCGCAACG	24286
CTGAGACTTGGGGCTCTGAGGCAGGCTCGTTCCTGCTGGCACTGCCCGGGGCCCTCCCTCCAGAG	24287
CTCCTCCTGCTCGGCCTGAGCTGCCCGGGCTCGGCGCGCTTGGGGCGAGGCTCGGCGGGGCGCG	24288
TGGGCAGGAGATGCCGTGGACCCCGCCCTTCGGGGAGGGGCCCGGCGGATGCCTCCT	24289
TTCTCCACTAGGGCACCAGACAGGGCACATGTCTGGTGCCCTGGTGGAGATGG	24290
CAGCCTTTATCCTTACTGTCTCCAGGCCCGGGAGAGTCTGTGGGGACCAGAGGCTGGT	24291
GTGCAAAAGTAATTGTTATTTTTGCCATGACTTTTAATGGCAAAAACAGCACTTACTTTTGCACCA	24292

Table 2. Additional miRNA sequences

CGGAAGGGGAAGGGTGGGATGCAAAGGGGCTGTCTACTACCCGTGTCCTACCTTCCTCTCTCCAGC	24293
TGCGCGGGTGGGGGGGCGGGGCAGGCTGGCCGCGTGCCGTGCCGACTCCTGCCCGGGCGCT	24294
AGCTCCGGGCCCTGGGCCTGGTTCGGGAGCCCCCGGCAGCCAAGAGGAGGAGGAGCCGGGACTGGTCGAGGGTGACCCGGGGGGACG	24295
TCCTCCTCTGTCTCCCCCCAGGGGCCGTGGCCTGGGCCTGATCATGGCTCTAGGGGCGCTTGGAGGACTGAGC	24296
GGGAAATGGTACTCTAATATACTGCTAGTGGAAGTCTATGAGAGTACCGTTTCCCTT	24297
AGGGGCGGGGAGGTGTTAGAGAGTTCCTCCTTCCCCACCCTCGCCCGACT	24298
TGGCGCGCTCTGAGGGAGGAGCCAGGAGCCATTTGCCTTCTCATTGGTTGGGACCTGGCCCTCCCTCTTGGCCGCGCCCCC	24299
GGGGGTGCTGGGGGGTGCTGGGGGTGGCCGTGTTCTCGAGTGTCCCAGCATCCGCATCACCTCCAT	24300
CCCCGGGGCCCGGCGCGACTTCCAGCTCCGCCTTCGCCCCCTGCCGGCCCCCGGGGTG	24301
GGGCCTTCCGACTCCCAAGGCCCTAAATGGAGTCAGAGCCTTGAGAATCGGAAGGCCCAG	24302
AGGGAGGGGGGACGAGCGCGCGGGGGCCGCGTCCTCGCTCGCGTCCCCGCTCCCTCCTCC	24303
GTGCAAACCAGGCTGGGCGTGGTGTGAGCCACCGTGCCCAGCCTGGTTTGCCTTC	24304
CTCCCTCTACTTCTGTTTATCGCTAAAGCTAGTCTCTTCCTCAAATTACCTCTCCTACAGAACTCTGTAGAGTGCT	24305
CGCAGCGGGCCGGGCGGGCCAGGACTGCGCCTGTGTGCGGGTCCCCAGGAGCACTGCTCGCCTGCCAGCCCCGCCCGGCCGGGCCCCCTCCGGC	24306
AGCATCACCAGTACTGTTGTTTCTTGACTTTTTAATAATCAGCATTGTGACTTGCATGA	24307
CGGGCGGCCGGCCGTCGCCTTGGCCTGTCACGGTCGGAACTGGCCCCCGCGGCTGCCCTCGCT	24308
GTGGACTGCAGGAGGCGGGGGCAGACGGGCTGCAATAGGGAGCCGGCCCGACGCGGACCGCTTCCCTGCAGTGCCCCGA	24309
CGAAGGGCCGGCCAGGGTGCCGCAGACGCGGGGACGCTGGCTCGCTCCCTCCCTC	24310
ACTGCAAAGGAAGGGTCTTGGAATGATGTGATTACTCTCCATTCCCTTTGTTAGGTCCT	24311
TCTGTGCTGGCTCACTTCATATGTGTGAATTTTCTCAGCACACATATGAAATGAGCCAGCACAGA	24312
TGTTCCGGCGCCAGGAGGAGCCGCGCTGCTGGTGCTGTTGCCGCCGCTGCTCTAGCTGCCGTCAGT	24313
GGGGCTCCGGGCGCTCGGGCGTCGGCGACGGCGGGGGCCTCGCGCGGCCGCGGCGCCGGGGCCCGGG	24314
CCCTTCTGGAGTGTAGCTGCAGCTGCCCAAGCCATGGCTACGGACCTGGGCG	24315
TTAACCAGCTTGTCACTCTGTGCCCCATTTAAAAAGCATATAGTAACAAGCTGGATAAAG	24316
TCTCTGGTCTGGAAGATTCCTCAGTCTGGAGGAGGAATCTTCTAGACTGGAAGAG	24317
GTGCGCGCGCGCCAGGCCCGGGTGTGACCTCGCGGAGGTGCAGACCCCGGCCGGCGCCGGCAGTC	24318
CCCTTAGGGAGAACCTCTGCTAGGGCAGTGCAGAGGTGAAATATGGGGTT	24319
AGACTCCGGAGGGGTAGAGCGCTGTGCCGGTTCCGCTGCCGCTGGCCAGGAGCGCGGGGGACAGTTCGGGGGCTGC	24320
GACCAGCCTGGGCAACATGGTAAAACCCCATCTCCACTATGTTGCCCATGGCTGGTGTT	24321

Table 2. Additional miRNA sequences

CGGCTATAAGAACCGGGAACTGGGCGCGGGGAGCTGAGTTGCTGGTAGTGCCCGTGGTGCTTGGTTCGAGGTGGCCGTT	24322
GAGCCGAGCCGAGCCGAGCGGGCGCCGCGCCGGGCTCCCGCCGCAGCCGCGCTTCCCGGCACCCAGCGAGCGA	24323
GGGGAGGGAGGAAGGGGTGTCGGGCTGACTCCCCACCCTCCGCTTCCTCTGC	24324
TCAGAGAGATGCCGCCTTGCTCCTCCTGTTCAAGGAGCAAGGCGGCATCTCTCCT	24325
CTGCACAGAGGGCGGCGGCTGTTGAGGGAGGGGGTCTGTCCGCCTCTCCCTGTGCCGT	24326
AGGGGGAAAGTTCTATAGTCCTGAGATCTAATTACAGGACTATAGAACTTTCCCCCTCA	24327
AGGGGGAAAGTTCTATAGTCCTGAGATCTAATTACAGGACTATAGAACTTTCCCCCTCA	24328
CTCGGCTGGCTGTGGCCCGCGCCAAGGTGCATGCCCAGCCAAGCAGAAGGAGCG	24329
GCCGAGGGGAGGAGGGCGCCCGGCGGAGCGTTGAATGGGGGCGCAGCAAGGCTCGGCCGGGCTTTGTGCAGCGAGCCCGCGCGGGCAC	24330
ACAGCCTCAAGCTCGGCCAAGGCCCCAGGAGCTTCCTTGGTTGGACCTTGGGGCTGGA	24331
GTGCCTCAAACATGAAAACTCCAGGTGACAGGAGTTTTTATGTTTGAGGCAGGG	24332
ACCGCCCTGGCCTGTAGAAGCTACTTTGTATTCAGCTTTACAGACCAGTGGCGTTAG	24333
CATCCTCCACTGCAGCAGTAACGTCGCGGCGGGTTGCGGGGTAGGACTGGA	24334
ACAAGCTCTTAGGGGCTCACTCTGGGCTGGCCTAAGGCCAACTGCAGGGGCTGGGCTCTCAGGGGAGGTGA	24335
GGGAGCAGGGTCCTCGGCCTCACTAGGTCCTGTGTGGCCGATACTTCCTGCCCACGA	24336
CTGCACAGTGGCTCCCTGGGGATGGGGCCCATGGCCACAGAGCTGGAGCCCCTGTGCACTC	24337
GGGCGCGGGCGGCCGGCCATGATCGCGTCGTGCTTGTTACCTGCTGCTGCCGGCCACGCGCCTCT	24338
TCAGCGCTCCGCCCGGGCGGCATCCCGCGCGGCCAAGCCGGGGACAGCGCGAGCCGCAGCCGGAGCAGGAGCGCCGAGA	24339
GGGAGGGCGGAGCAGAAGTGAAGCGCGACCGGACACGCGACTCCACCCTGCTACGCACTCCCTA	24340
AGTGCGTAGCAGGGTGGAGTCGCTGTCCGGTCGCGCTTCACTTCTGCTCCGCCCTCC	24341
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CCTGCCTCGCTCTCCCAAAGTGTTGGGATTATAAGAATGAGCCCACTTTGGGAGGCTGAGGCGGGCG	24343
ATAAGATACATGCTGATATGCACACAATACACATATGATGCTGATTGTGTATCTGCATGTGTGTTATGT	24344
CCGCCGACCCCGGGGCGGGCGCCGGGCGCAGGAGCCGGGGTTCCGGCCGCG	24345
AGCTGCTCATGCCCCAGGTAGCTCCAGGTGAGTCCCCACAGTGGAGGGGCTTCCCTGGGGCTGAGCTGGAGCTGAGTGGCAGG	24346
TCCGGAGTTGTAAGTGTTGACAATATCCAGAATGACATTGTCTTTGTCAACACTTACAACTCTGGAAA	24347
AGCCAGCCTAGAGCCCCAGCGGGAACAGGTGTACCGCCCGGCTCCTGGCCCG	24348
AGAGCTCCAGATATCCCAGTATCTGGAGCCACCTCGGGATACTGGGATATTTGGAGCTTCT	24349
AGAGCTCCAGATATCCCAGTATCTGGAGCCACCTCGGGATACTGGGATATTTGGAGCTTCT	24350
GCCAGGGCCCGCAGGAGGGGAAGCCGGGCCTCCGCAGACACCGCCCCCGCCCTGCCCGCCTCCCGCGCGGGGCCCGAGCCA	24351
AGGGGGAGGAGCGACTTCCGACAAACGGATGTCACTCCTCTCCCTTCTCCC	24352

Table 2. Additional miRNA sequences

CTCCTTGGTCCTCCTGATATCTGTGATCTCATGAATGGGATGATGAAGCAGACTCAGGTGGTGCAAGGAAGG	24353
CCCAGCAGCTGTCAGGGCTGAGGAGGGGCCTTGGCTCTGGGATCTGTTGGACA	24354
CCCCAGTTTGCCTGGGACTGAAGGTTTCCCAGGTGTGAGACTTTCAGCACCAAATCTAACAGTCCCAGGCAAGCCGGGTAA	24355
ACCAGCTGTCGTTTCTCCCTTAGCTTCTGTGTATGAGAGAAACGACTTCTGTTTTTT	24356
GGAGGCGGAGGTTGCAGTGAGCTGAGATCTCGCCACTTCACTGCATACTCCAGCCTGG	24357
TGCAGAGGAGACAAAGCAAGCCTCATCAGGCCCATTGCTTGCTCTGCTCTCCCTTGTACT	24358
TGCAGAGGAGACAAAGCAAGCCTCATCAGGCCCATTGCTTGCTCTGCTCTCCCTTGTACT	24359
CCCGCTCCCCCCCGGGCCCCGCGGCCAGGGGAGCGCTGGGGAGCGCTCGCGGGG	24360
GGGCCCGCAGTCTCTGGAGCCGCTTAGTGAGGGCATCCCCCCGGGCCTCCCCGGTGGCAGCAGCAGCCTGCACCCCGCC	24361
GGCCGGCTGGGGGAGGAGGCCTGGGTCTTTGGGCTCCCACCTGCCTCTTCCCTCTGCCATCAGC	24362
GCAGTGGTGGGAGCTGCATCCACTGCTGGATTGCAGTGGGCCCGCTCCATCCCTCTCTGGCA	24363
CGGGGGGCGCGCGTCCCGGAGGCAGCAATCCCTGGCCCGCGAGGCCGCGGCGCAGCCCCGCCAACGACCTCCCGCG	24364
AGGAGCCACCTTCCGAGCCTCCAGTACCACGTGTCAGGGCCACATGAGCTGGGCCTCGTGGGCCTGATGTGGTGCTGGGGCCTCAGGGGTCTG	24365
CTCTT	
AGACAGAGAAGCCAGGTCACGTCTCTGCAGTTACACAGCTCACGAGTGCCTGCTGGGGTGGAACCTGGTCTGTCT	24366
TACTTAATGAGAAGTTGCCCGTGTTTTTTTCGCTTTATTTGTGACGAAACATTCGCGGTGCACTTCTTTTTCAGTATC	24367
TCGGTGGACCTCAGAACATGTGCTGAATTCGTGCCATATGTCTGCGGACCACCCACC	24368
TTGGTACTTGGAGAGTGGTTATCCCTGTCCTGTTTTGCTCATGTCGAATCGTACAGGGTCATCCACTTTTTCAGTATCAA	24369
CCCAAGTCAGGTACTCGAATGGAGGTTGTCCATGGTGTGTTCATTTTATTTATGATGAGTATTACATGGCCAATCTCCTTTCGGTACTCAATTCTTC TTGGG	24370
TTTAGGGCGGAGCCGGCTCCCGCTCTCCTCAGTCTGCGGTGGGCTAGCGGACGGTCCGGCTTCCGGC	24371
GCCGCCCGCGCCCTCCGCCCTGCACCCCCACCTGCCGCGGGCGGGAGGGCACGCCCGGGCGTGGGGGCCT	24372
GCCGTGTTTACCATGTCACTGCTGAGCCTGCCACAGTGCACAGGGGTGCATGGTAAACACGTGCTG	24373
GCCGTGTTTACCATGTCACTGCTGAGCCTGCCACAGTGCACAGGGGTGCATGGTAAACACGTGCTG	24374
GCCCGCGCCCGCCGCAGCCGCGCTCTGAGCCGCCCGGCCGGATCGCAGGGGCGG	24375
CCAACGGGCGCTCCTGACCACACCACCCTGGCGGGGAAGGGGTGGCCACGGGGCCCGTCGTCC	24376
GGTCAGTGACGAGAAAGATGCCCGGGGGTTACCTTCAAGCTCTTGCTTCCAAGATGACCGA	24377
TTAGTTCCCACTGGCTGTGTAACCTAACATAGTCACAGGCTCTGGGGACTGTC	24378

Table 2. Additional miRNA sequences

CGCTCCCCGAGCAGTGCGCGGCGTGGGCGGAGGAGATCGAGGCAAACGCGGCGCCCGCGCTGCTGGAAATCGTGGA	24379
AGACCGACCTCAACCCCGACAACCTGCAGGTGCGGGGCTGCGGGCGGGCCGG	24380
AGGGCAGGGGTGGCAGAGCCTGGCCCGTCTGGCCCTAGCATCCCTGGACTCCCACC	24381
AGGGCGCGGCTCGCGGGGTGGGCGGCCAGGCCCTGGCCTCTCCGACTCCGCAGCCGCGATGA	24382
AGGCTGTCGGGGCTGGGGCTGAGGCTGAGGCTTGAGGCGGCGGCGGCGGCGGC	24383
GGGATGGGCCCTTGTCTGAGGCTAGGGCTGTGGGGTCTTGGGCCGGCCGGTCCCCG	24384
GTGTTGGGGACTCGCGCGCTGGGTCCAGTGGTTCTTAACAGTTCAACAGTTCTGTAGCGCAATTGTGAAATGTTTAGGACCACTAGACCCGGCG	24385
GGCGCGGCGACAGCGA	
AAGGGATCCCCAGACAGCCCCGAGCTCTGCTAGCTGGGCTTGTGGGGACCCCTGG	24386
GGTGGGCGGCAGGGCCTGGGCCTGGGCACATGGGGCTCCCTGCCTGGGTGTGCCCTGACCCCGCCCTCCCCACAGA	24387
TGGGGGCCCTGGGCAGGGGTAAGCTGGCAGGCAGTGCCATGGCAGGCCAGGGTCCCCTCCCATGGGGTCTGGCCCCCGTT	24388
TGTCCGCCCCACCCGGCCCCGCGCAGCCAGCAGGGGCGCTGGGGTGTGAGGGGGGTTTAGG	24389
AATGCAACCCTTGGACACGGTGGATCCTGGGAATCTAACCTTCCGTCCCGGGGCTGATGAG	24390
TCTCCGCGCCCCGGCCCCCGCGCTTCGCGACCCCCAACACCTGCGGCCGGGTCTGCGTGCGAGCCGCGCGCGCCCAGG	24391
GCGCGGGCTGCTCCGGAGGCTCGGGTGGCTTGAGAGTCTTGGGAGGCTCCGGGCGCTGCCCGCGCGG	24392
TCCCTCGCGCCCCCCTGCGTGGGTTCCCCGGGACGCAGGGAGGTGGCAAGGAGG	24393
TGGCTGAGCTGAGAACCACTGTGCTAACTGGGGACACAGTGATTGGCAGCTCTACAAAA	24394
GGTTGGTAGGGCAGCTGGTAGAGGAGTACCAGCTGGTGTGCCAATTCCCC	24395
CGCGGGTGGGGGCGGCGCGCCGCGGTGGCCCGGCGTCCCGTGTGCGTCCAGTGTGCGCCCCGCG	24396
TGAGTTGCCGGCGCCGGCTGAGCCAGCGGACGCCGCGTTCCTTGGCGGCCGCCGGTTCCCGGGAAGTTACG	24397
GGGGCGCGCGGGGTGGTTCAGGGGCCCATCCTCTCCGCCTCCCGCGCCCCGC	24398
GAGTGGCCCGTCCCTGGGAGGCTGGCAAAGTGCTCTCCAGGGAGGGGTCAGACGT	24399
TGGGCCGGAGGCGGGGGAGCCCTCGGCTGGGCGGGCGCCGAGCCCCGGCGGGCCATTCACTGCCTCCGAAGCGAGCG	24400
GCCGCCGCAGCCCGCGGTGACCGAGTGCAGCGCGCCTGCGCTCGCCGCGGGACACGGCAGGCGG	24401
AGTTTAATGAAGACAGGTCAGATCTGAAGTCTTTGAATCTGACCTGTCTTCACTAAACTCT	24402
GAGTTTAGTGAAGACAGGTCAGATTCAAAGACTTCAGATCTGACCTGTCTTCATTAAACTCTT	24403
TACAATGTAAGAAGTCACTCACTCTTGGGCATGCGCTAGTTCAGGGTTGGCAGCGACAGTGAGTGCCTTCTTACATTTTGC	24404
AAACGGGCTCGTGGGCGGGGTTCCGCGCCGGGACGGGCCGTAGGCGGAGCTCCGCGCCGGGGAGCTAGCTCC	24405
GGGGTGGGGTCGGTGGGGCTGGTGGGGTTGTCGCCCTGCCCCTCCCGGCCACCTCGGCCACG	24406
GCCCAGCCTCTCCAGGCCGAAAGCTGCTGGTAGTCGGGGCGGAGAGAGCCAGCTCCC	24407

Table 2. Additional miRNA sequences

TTGCTGCCTCGCCCCGCGGCCTCTAGGAGACAGGGGCCACGGGGAGAGCACAGCCACC	24408
GGGGAGGAGGGACCGGAGCACCCCAGGATCGAAGAGGGCGCACGGGCCCGGCCCTCCCACG	24409
TCCTGGCCTGAAGTGATCCTCCTGCCTGGAAGGATCACCTCAGGCCAAACGT	24410
TCCCAGGGTGCAGGCCCTCGGCCCGAGGGAAACCCGAGTCCCTAGCAGGCAGCAGTGGGGTG	24411
CCCCAGCTGGAGGCCTTCTCCCCAGGCTCACTATGGGGTGGGGGCTTTTCCTGGCTGCAG	24412
AGGTGGGAGGCAGGCTGCTCCCATGTGGTGAGAACAGTGGGAACAGCTGGGCTTCCCTCCTTC	24413
AAGCTGACACTTTGAAAACATGCAAAGGGTAAGTTTTCAGATGTCAGCTAAGA	24414
CGGGGTCCCGAAGGGAAGGAGAGGTGTCAGGCCTTGATCTGCTGGCTCCTGCCAGGGTCCTTAGGT	24415
AGGTAGATGCCTGGGCTCAGAACGCGAACCTCAGTCCAGTCATCTCCCTTCA	24416
ACATCCTACTTCCCTGTCCTCACCCAGTGGAACTCTGGTGTGTGCCTTGAGGATAAGGAAGTAGAGTGGAAA	24417
TCCGGGACCCCAGAGGGAGTCGTCGCGCGCTAGGTGGAGGGGACCCCTCTGGAATCCGGCGATC	24418
TATAAATCTAGTGGAAACATTTCTGCACAAACTAGATTCTGGACACCAGTGTGCGGAAATGCTTCTGCTACATTTTTAGG	24419
AGCCGCCATTGTCGCGCTCGGAGCCCCTCAGCTCAGGCGGCCGAGGCGGAGGCAGCGGCGGC	24420
TTGCTGTGATGATGTTCTGAGCTCACCCAGCCTCAGTTACTCAATGACAGCAAG	24421
ACGTGACCCGACCCGCGGGCGGCGACGCACGCGCCGCGCCGCTCACGTGGTCCGTCC	24422
TGTGACCCTAGAATAATTACTCACCCTCTCAAAACCGAGACTCAGAGACGTTGGGTAATTATTCTAGGGTCACACA	24423
GGAACCGAGCCTCGGCTTGCGGCCGGCAGTTTCCGTGGGTCTGTGAAGAGGTCGGCGGCCCCTGCGGGCGCCAGTCAGGTAAGCCCA	24424
TGGGGCGCGCTGGGCGTCGCCCGCCGGTCTAGGCGCGCGAACCTGGCGTTCCCAGT	24425
GCCTGCGCCTGGCTCCGCGGGTTCGAAACCCAGCCGGACCGGAGGGCGGGCGA	24426
GGGGCGGTGGGGGCGGTCGTGGCTGCGACGGGAGCCAGGCCCGCGCCACCGCCCGGG	24427
TCCCTCAGGGCATAGAACAGGGCTTTAGTAATCCCAGCCCTGTTCTACAGCCCTGAGGGACACTA	24428
TTAAAGGAATATACTACCAAGAAAATGTAAAAATTATAGTCTTATTTATAGAATGTAGTCTTAGCAGTATAGTCTTAGAGTTA	24429
GGTGCCTGGGGCTGCAGCAGCACGGGGACCCGGCAGTAGAAAGCCCCGGGGACAAG	24430
CGCGCACTGGGCTGCCTCCGGGGCTGGCAGGGCAGCGGCCGGCGCGGCCGGGGAGCGAGCG	24431
CTGCGAGCGGCGCGAGCCTCTGGCAGCGGGCTCGGCCTTTGCTCGCAGCACT	24432
TCATCCCCAGAAAGGACTTGGTGTCATTTCTGGAACAAGTCATTTCTGGGGGTGCCC	24433
TTGTGTGCTTTGTGGGGAAGCCATAAAGCAACACATGCCTTCCCCGCAAAGCACACGACC	24434
TTGGTTGGTGCTGTCATTGGAGGCCTCATCTATGTTCTTGTCATTGAAATCCACCATCCAGAG	24435
ATATAGGGAATAACTAGTGATTTACTTTGTTTAATCACTTAATGTTTCCTCTAGT	24436

Table 2. Additional miRNA sequences

CTGAGCAGGGCGCCCGGCTGCGGGCCCGCGCCGGGGAGCGCCGTCCAATC	24437
CCTCCGACACCCGCAGCAACTTCTCCTTGGCCGCGATGTCCTCCTCGAGCTGGGGGCAGCGGCGGGCGGGGCGCGGGCGGC	24438
CCTCCCACCCACAGGGCGAGTCCAAGGGAAGTATGGACTCGCCCTATGGGTGGGAGCCC	24439
GGCGCGCAGGCGGCGCAGGCCGGCCGCGCTCACGTTGCGGCAGAAGTCCACGTGCAATGTCTGCAGCGCGCGC	24440
TGCGCCGCCTGCGCGCCGCGTGCCCGCGCCTGGCCCTGCGGGCAGAGCACAGC	24441
AGCGGGGAGAGTCGGTAGCAAGACCCTCTGCGCGTCCCTACCGGCTCTACCGCGCACA	24442
TGGTAATATAGAAATTGAAGATATAGTCTATATCTTCAGCTTCTATATTACCGCA	24443
GCACCGGCCGGGGCGGGGCGGAGAGGCGCGGGGAGGGGGCAGAGAGCCAGAGCCGGAGCCGG	24444
CGAGGGGGATCCCGGCCAGGCTGCGGAAGAAGAGCCGCAGCCATGGCAGGCGGCGGTCCCCGGCAGGG	24445
CGGCCGCCAGGGAGAGGCGGCGGCCGCGACATGCTGGCCGCCGACCTCCGGTGCAGCCTCT	24446
AGCGCGGCCGGGAGGCGGAGCGCCAGCGGCGGGGACACGGAGGCGTAGGCCCCGCGGCCTGCGCCCGCTCGCCGGCCTCA	24447
CGGGGCCTGCCGCGGTCGCCCAAACTTCGCCTCAACTCTCGGCGAAGTTGCCGGGGGCGCCGGGCCGGGCCGCGGC	24448
TTCCGTTCCCCATTTCGATTGCACAGAGGAGGAGTATGATGAAGATGCTCAGGTAGTGGAAGACGAGGAGGACGA	24449
GAGGCACTGACTCTCAGGGCTCAGCCTGTATTCCCACAGCCCTGAGGGTGAGTGCCTCCTT	24450
GAGGCACTGACTCTCAGGGCTCAGCCTGTATTCCCACAGCCCTGAGGGTGAGTGCCTCCTT	24451
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TGGGCTTACGTTGGGAGAACCTCCTGGTTCACCGTAAAAGTTCTCCCAACGTAAACCCAGC	24454
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CTAGTCCTAACCAAGCATGTCTAGGTCTATGAAGTGAGACTGCTTGAGCCCAGGACTACAT	24458
CGGCAGGAGGAGGACGGGGAAGGACGGAGCCGAGCCGCGGCTGCCTCCCTCGCTCACTCCCTCGCG	24459
GCGTGCATGTGTGTGTGTGTGTGCGCGCGCACACACACACAACATGCACACATGC	24460
ACCTGAGATCCCCATCTGACCCCTCACACTGAGCTGAGAGGTCAGATGGGGACCTCAGGTGA	24461
CGCCTCCCGGCTCGGCCCCCACATATCACGCTCAAGTGGACCGATCCTGACTGAGGCAGA	24462
AGCGCACCGCGCGCCCGCGTCCCTGGCCCCGCCGGCTCGGTTGGGGCTTCCGCTGCGGCTGCGGCTGCTGCTGC	24463
GCCCCGCCGCGCCGGGCAGGCCCCCTCGCGCAGGCGCGCTGCCGCGGGCGG	24464
AGGGGAGCCAGGGTCAGTACCTTTGGGCCACCATGACCTCCAGCCCTGCTGCTCCCCAGT	24465
AGGGTGGTGGGGTAGGGGCAGGCTGGAGAGGGCTGGCTTGTTCCAGGCTGATCCATGCTGGCCTGCCCTCACCTGTCTAGG	24466

Table 2. Additional miRNA sequences

ATCGCGCGGATGCCAGAACGCGCTCTCAGCTTCGGGTCCTGCGGCTGCGG	24467
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CCGCTGGGCGAGCGCCGCAGCGACTACGACCGCGAGGCGCTGCTGGGCGTCCAGGT	24469
GCGGCGGCGGCGGCGGTGGGTCCTGGTCCCGGCCCCGGAGGGCGCGGAGTCCCCACCCGCGCCGCTCCGGCCCCT	24470
TCTAAGGTGAGCGCTGGCAGGCCGGCGTGTGGCAGGCAGGCAGGCCGCGAGGGCTGGCAGGAGA	24471
CCAGTCACGTCCCCTTATCACTTTTCCAGCCCAGCTTTGTGACTGTAAGTGTTGGACGGAGAACTGATAAGGGTAGGTGATTGA	24472
CCGCGCCGCTGGGGGCTCTGACTCCTGCCGAGCCGGGCCTGGGCAGCGCCCCCCGCGCCCCG	24473
AGACATGCAACTCAAGAATATATTGAGAGCTCATCCATAGTTGTCACTGTCTCAAATCAGTGACAACTATGGATGAGCTCTTAATATATCCCAGGC	24474
AGCTCATCCATAGTTGTCACTGATTTGAGACAGTGACAACTATGGATGAGCTCTCA	24475
AGCTCATCCATAGTTGTCACTGATTTGAGACAGTGACAACTATGGATGAGCTCTCA	24476
CCAGGCGGCGGTCGGGGGAAGTGGCTGCCGCCTCTGGCGGCGGCCAGGGTCCGCCAGGCTGCAGGGCCGGGCCCC	24477
GGAGCAGCAGCGGTGAAGGCCCTCGGCTCGGCCGAGACCGCCGTGCCCACTGCTCGCCTCGG	24478
CCAACATGCTTCCCAAAGGTGAGTGGGCCCTGCCTGCGGCCACAGGGCCAGGGGGCAGGCACCCTGGGCTGGGGTGTGGGGC	24479
GTTACCTGGTAGTGAGTTAGAGATGCAGAGCCCTGGGCTCCTCAGCAAACCTACTGGATCTGCATTTTAATTCACATGCATGGTAAT	24480
GCCGCTTGCGGGTGAGCTCTGCCCAAGCCGAGGCTGCGGGGCCGGCGCCGGCGG	24481
GGGGCTGACGGCACGGGGCGGGGCCTCGGGGACCCCGGCAAGCCCGCGCACTTGGCAGGAGCTGTAGCTAC	24482
ACCTCGGCGCGCTCCCGGCCGCTCGCTGGCTCCGGGGCCGCGGCGGCTCCTCTGCCGGGTCGCGCCGGACGAC	24483
GCCGCTGGGGGTTTGGGGCGGCTGCACGCTCCGGGGTGGGGGGATGCGGGAGCCCGGTCAGGCCCAGCCGCCT	24484
AGAGGTATTTTTCAGCAGACCAAGTAAGTCAGCTGTAAAATACCTCTTGC	24485
ATTGCGAGTCACCGAGTTTCCCGCGCGGCTTGAGGTACTGGGGAACCGGAATCC	24486
GGCGGCGTGGGCGCGGTGATGCAGGTGTGACACCCGCCGGCGCCTGCCTC	24487
TGAAAGGGGCCGCCTTATCTGAGCAGCCCTTTCCTGGGGGTAGAGATGACGGGGCTCTCTGCACC	24488
AGGCCTGCTCTGGGCCGCCCTGCCTCCCCCAGAGGCTGCAGGGAGCCCCAAGCAGGCGCA	24489
CTTTCACTACTTCTCTGACAGGATGGGCATTTTGGACATTGAAGTGTGGGGAAAG	24490
CGGGAGGAGGGCGGATGATGGATGGCCTGTCTGCCGGCCCGGGTCCGAGCCGCG	24491
TTAGTCTAGCACCTGGTCAATTCAGTCAAAAATGTCAAAAACCCTGTGACCGAATTGACAGGTGTTAGACTGACT	24492
AACTGATCTCGGAGTTAAGGCGAATTGTTCAAGAACACAAACTACATCGCACTCGTCAGTTGTCAGTTCTG	24493
CACGCGCCGCGTCACCGGGCCGCTCCCGGCCTGGGCTCCCGGGGGCTGGTCAGGGAGGTGGCGGCGGC	24494

Table 2. Additional miRNA sequences

GCTTCCTGGGGTTGCGGGGCGGCCCAGCGAGGCTTCACCCTCCTCGATGTCTGGGTCACGCTTCTTGCCCAGGTGGTCT	24495
CGCTCGGCGTCGGTGCCTGAGGGAGGCCGCGATGGCGGCCGAGGCCCTGGCGGCGGAGGCCGTGGCGTC	24496
GCGGTCGGGTGAAGAGGCCGCGGCGGCAGGTGAGTGAGCGCGGCCTCGTACTCGCGCGTGCAC	24497
CGGGGCGGGGCCCGGGCGGGACGTCGGTCATCCCCGCCGGCCTCGCCCCGCAGCC	24498
GGGGGGGGAAGCGGGGGCAGACAGAGGACAGCTCTGATGCCCTCGCCCTCCCTAGT	24499
CTCGGGTGAGTGGGGCCGCGCCCCGGCGGGAGGGGAGGAAGGGGCGCGCCGCCTCGGCCTTTGT	24500
TGGCCTCTCCAGTCTGCAGCTCCCGGCAGCCTCGGGCCACACTCCCGGGATCCCCAGGGACTGGCCTGGGACTACCGGGGGTGGCGGCCG	24501
GCCCCCCCATAGCCCTCAGCACCAGGGCTGGCCACTGTTGGGGTAGATCCGGGTCCTG	24502
GGGGATGGTGCCGTCCTGACCTGGCCCAGGTCCAGTCTCCGGGCTGGGGGCTCACAGGGTGACGGCATGGTCCCAGG	24503
CCACCCCCCGACGCACCTGCTCCTGGATGAGCTGCAGCAGCGAGCTCCTGTCCATAGAGCCTGGCCGGGGGCCGGGGTC	24504
TCGGGCTGCGGGGCTCCGGCTGCGGGCGCTGGGCCGCGAGGCGCGGAGCTTGGGAGCGGAGCCCAGGC	24505
GGCAGGGTGGGGTTCAGAGGCGGATGGAGGACAGACTCAGAGCCTCCGCTGGTCCCTGCCTTCCAGC	24506
GCTCGCCGCGGGCACCCGCACAATAACAAACCCCGGCGCGGCGGGCGG	24507
GAGCCACCATGCCCCGTGAGACAAGTTTATTAGAAATGACTCTGGGCTGGGCGTGGTGGCAGGC	24508
GGGCCTTGGGGCCCCGGGAGGTGGAGGTGGTCCCATTCCAGTGAGGGCAGTGGACGTGCCAGGGTCTTCTGGGGCCCAGAGGCTGGA	24509
GCGTTAGGCCCCGCCCCGCGCCCCGCGCCAGGGTCCTCGGAGCTGCTCTGGCTGCGCGCGGAGCGGGCTCCGGAG	24510
GGCCTCGCGGGGCCCCGGCTGCAGGTGGCTGCCCCGGCCCCGCGCCAGGCGCA	24511
TGGGGGTGAGGGGAACGGGTGGGAGAGGAGATGGGGCAGGGGAGGGCTCCATGGCTCCCCACCGCCATCCCCTCCTCAGG	24512
TGGGGAGGGGAGCCGGCAGGAGGTGGGGGGCCATCACCAGGCCCCGGACCCATCGTTGCCTGGCCACACCTCCTCCAGC	24513
TGCAGACCCCACAGGGTGTCTGGATGCCTGGGCCATGGCCTTGGCCTCCCTGAGGCCCTGTCTGTGTC	24514
GAGTTGGTGGTGGGCATGGTGCCCTGTGTCCAGCTGGCACCCGAGCCGGCCGCCTGCCTTCCAGG	24515
CGCCGTCCGTGAGGTCCCCACCGGCCGCCGTAGCCGGAACTGCTGCTGAGGGCGGCGGGCCGGCTTCGCTAGGGTGAG	24516
TGGGGTGGGCACGGGCAGGGGGCCCAGGCGGGCTCCTGGGGACTCGCCGGCTGTTCTGGGCTGACAGCTCTCCCACCCCTCC	24517
GGTAAGGGAGGCGTGAGGGCACTAGCAGGTTGCTCCCTGTGCCCTCCCCTGCAGA	24518
CTGGCTGGGCGAGCGGGAGGCTGGGGAGTGCCGGTGACACCCGACCTCGGCCCTGCCCTTGCA	24519
CCTCTGTAGCGGGCGACCTAGGCCGCGGGACCCGGAGGAGGTAGAGGCCAGGGCA	24520
CGGCTAGAGCGGTGGCCCTGATAGAGGCCGCTCTACCATGAGCCGACCGCTCGAAGGT	24521
GTCGCGCTTCCGGCGGCGTCCCGGGGCCAGGGGGGTGCGCCTTTCTCCGCGTCGGGGCGGCCCGGAGCGCGGTGG	24522
TATGCCGAGCTCTGCCAGAGCTCCTGGGGGGTCACCTTGGGCCTGGTGGTGCTCGGGGTAGC	24523
CGCCACCCCTCTCCGGCAGGGCATGGTCCTGGGGCTCCCTGTGCCGTGTATGACAGCGGGGGGCTACGTG	24524

Table 2. Additional miRNA sequences

AGGTATCTCCGGCCCAAAGCTCTGTGAAATCCAGATTCAGTGCTTCCGCGGGGATTTCTGA	24525
GGCGTGAGTGGGCGGGGCGGGTCTGGCCACGCCCACCCCGACCAGGACACGCCCA	24526
GGGGGCGGGGCAGCGGGGGCGGGGGCAGCGCGGCCTGAGGATGTGCGGACCTGACTGCGCCCTTGGCCCCCAG	24527
CGGGCGGCGGCGGCCGGCGGGCGGCGATGGCGGCGGCGACGACGCCCGCTGCGTGCGGCTGAGCGCCGAGCG	24528
GTGAGGTGTGGGCCCGGCCCCAGGAGCGGGGGCCTGGGCAGCCCCCGTGTGTTGAGGAAGGAAGGCAGGGCCCCCGCTCCCCGGGCCTGACCCC	24529
AC	
ACTGCGCCTGTCTGTGGTTCCTGCCAGTGTGTGTACACGGGGGGCGCTGGAGCTATGCACAGGCCGTGG	24530
TCATCAGCCGGGAGAAGCGGGGCGCGCACCCCGAGGCCCACCTCCGCTCCTTCGAGGCCGATGCCT	24531
AGTTGGAGCCCGTTGCGGCCCCTGAGGAAGCGAGGAGGCGTCGGCGTCGAGGCGGGCGGACCGGCGAG	24532
AGGAGAAGTGGCAGGTCACGCTCTAGAACCCCAGCTAGACGTGGCCGCTCACGCTCCAGA	24533
AGGAGAAGTGGCAGGTCACGCTCTAGAACCCCAGCTAGACGTGGCCGCTCACGCTCCAGA	24534
AGGCGATCCAGATCCAGAACGCCACCAGTAACCCGCCGTCGTTCAAGGTCTAGAACGCCAAC	24535
CGGGTCGGGGTGGCGGCGGCCTGGGTCGCGGGGTCGACGCTCGCTGCTGCAGCGGCAG	24536
GCCTGGGTGGCAGGGCTGGGGGTCTGATTTGTATCCCCCAGCCAGGCCCCACCAGGAAT	24537
AGAGGCCGGAGGGCGCGCGCACTGCTAGGAAGTGCTGGTCCCCCGCGCCGCTCTGC	24538
TCGGGGACCGAGCCTGAAGCCTCAACTACCAGTCGCGTTGCTCCGCTTCAGGTCGGTCCAGGTC	24539
AGGGCCACATAGTCACATAGTCACATAGTGTCTGTGTCTGCCCAGCC	24540
GCGAGCGAGCGAGGGGAGGGGTGGAGGCCGCCCCCCGCGCCCCTCCTCCTCGCCC	24541
TCGGAGCCCCACACTACACCACAGGGATGAGCGTGTATCCCCTTCAGAGGTGTGCCTGGGGACTCCGTGTG	24542
TTGGTGTGCAGGGGACGGCAGGGGCAGTACTGGGTGAGCTGTGTGACTGGTGGTGACTCTGCTCCTTCCCAGG	24543
CGGGCGGGCCGGCGGGGCGGCGGGGCCGGGGTCTGTCCCGCA	24544
AGATTCCTGGGCCTGCCCCTAGACACTTCCAGGTTGGGGCCCAGGAATCTGC	24545
CCCGGTGCCCGCACGCGTGCGTCTGCGCCTTTGCGCGCGGCGGCCCCCGCACCTGT	24546
CCCAGAGGGGCAGCTCTGAGAGTGCCCCAAAGGACAAGGGACTGGGATTCTCAGTGGTGACCTTTGGGGC	24547
CCGGAGCATGCGCGAGAGCCGCCCCGGAGCGCCCCCGCCGTCCCGCCCGCGGCGTCCCGCGCCCCGCCG	24548
GACGCCGGGGCGCGGGGACCAGCGGGAGACAGCGGGGGGCCGGTGGCGCCAGCACCTGCTGGGGGCCCCGGGCACTGAGCCCT	24549
AGCTTGTCGGATGTGTGCAGATTTCAGGCCCCATCCCAGACCTGCTGCATGAGAATCTGCATGTTCACAGGCCCC	24550
GCGGCCCGAGGGGGCGGGGGCGGCGGGCCCGGGGCTGCAAAGCGGGGGGCCGCCTCCCTGGGCCTGCCTGGGC	24551
TCTGATTGGTCGCAGAAAGCAACTGCAAAAGCTTTCTGCGACCAATCAGACT	24552
TAGCTTATTAAGGACCAGCTTTGCAGGTGACTGCGCCATGCTGAGAATCGCTGTTC	24553
GGACCTGCCCGCCGAGCCGGCTGCAGCCCGAGGAGGAGGAGGCGGCGGCGAGGAGGAGGACGG	24554

Table 2. Additional miRNA sequences

AAAAGAGCAAGGGAGACAGCCCTTGACGGCAGTCTGTCTCTTTTCTCTTTAGGT	24555
ATTGGTGGCTAGATTTGGGGTGCAAGCTTCTTAGGCTCATACCATTTCAACTACCAAGA	24556
CTTGGGAACTCTTAATATGTCTTTTTATATGCCTCTTCTTTTTTTGTCTTTAATAAGACATATTAAGAGTTCTCAGGAC	24557
GTACTGACGCTCATGCTCAGAGCGACTGTCCTGTTGGAGGAGGGCAGGGTGTGAGAGGAGCCTCAGCTGAT	24558
GGACTGGGTGAGGGTGTTGGTTGGTGGCACTTACAATACAAACATCCCCTCCATAG	24559
GGTGTCGGCGGCGGCGGCGGCGGCAGCGGGTCGGTGTAGAAAATGG	24560
GACATTCTCCACTGATGTACTAGTATACATCGGTTGAGAATGTCCT	24561
CGTGGCCCGTCGGCCCCCCGGGGGCACCAGCCCTCCCAACGGCGGCCTCCCGGGGCCGCTGGCCACCTC	24562
TCTCCGCGACCCGGCCCTGGCGCCCGAGAGGATTCCTGGGTGGGGGTGGGCGTGGAGGGCCGGGGGCTGGAGAGG	24563
GCGGGGAGGGGAGAGAGGCTGGCCTTGACCTCTCTTTCTTTCCTTCCCACAGA	24564
CCCGGACGGAGGATGGGGGGGATTGCCGAGCCTCGGCCGAAGATTCCCGAGTCGGCCCCCGGCCCCGGCCCCGGC	24565
GGGGCCGTGGGGGGCGGGGCGGCCTGCTATCGGCCCCCGCCTCTCTCGGCCCCGC	24566
GGAGGTAGCTGGTGCTGGGCTCCTAGTCTTGGCAGAGGAGCCCAAAGCACTTGGCTGCCCTG	24567
GGAGGGCGGGGGCGGGGGAGACCGGGTACCCCCGAGACCCTGTCCCCTATCGATCCTGTCC	24568
CCCCGGCGGCCGAGCCCCTCCAGGTGGACTTGCTCCCGGTGCTCGCGCCGCCCAGGAGTCCGCCGCGGCTGCTGCGGCCGCTGCCGCC	24569
TGGGCTCCCTCTCGGGGGCGGAGGGGGTGCCTGTGAGCTCTCAGCCACTTCCCTCCCAACCCTGGTGAGCTCCAAG	24570
GGCACTGGAGCCTGGGTCAGGGGAGCTCAGGGGCTTACCTGTTGATAAGCTCCTCTGTCCTCCCTTTCCCAG	24571
ATCGGGAGATGATGGGAAACCCTAGCTAACTAGTCCTTCCCCTCTGTTTCCTGTATC	24572
CGGCGGCTCCAGGGACCTGGCGGCCGCCGATCGGGGCTGCGAGGCCCCATGGCGCCGCCCCC	24573
CGGCGGCTCCAGGGACCTGGCGGCCGCCGATCGGGGCTGCGAGGCCCCATGGCGCCGCCCCC	24574
GGAGCAGCGGCGCCGCCGCCGAGGTCCAGGCGGCGACGCGCCCCGGGCCCTGTTGGCCGCCCCGCGGCGGCTCCTC	24575
GGGAGGGCAGTGGGGGTGAGCATGAGCCTCAACTGAGCATGTCTGCCATCCTGCCCCACAGC	24576
CGCGAGGCTGTCGGCGCGCCGCCCATAGAGACAGACTGAGGGGGGTCAGGCCGGCCGGCGCT	24577
GGGGCAAGCGGCTCAAGGTTGAGGACCCTTGCCCTTAGCCAGGCCTCTCCTGCCCCA	24578
CGGGGCGAGCTGCCCCGCGGCGCTCAGGCCGAGCCCCCCGGGCAGCAGCTGGCCCAGGT	24579
GGTGGGGGACCCCAGGAGACTCAAGCCTCTGAAGCCTCCTGTCCTGTCCCCCTGCCCA	24580
ACTGACCAGCCCCCTGCGGCCCACGCTCGCATTCCTGCACCCGGTGGGCCGTTCGGGCTGGCTCC	24581
TGGGTGGCTTGGCTGGCTTGGCCGGCTGGGTGTCTTGGCTAGCTTGTCCGGCTGGGTGGCTTGGC	24582
GCGGTGGGCCCGCGGGGGAGTCCGTTCGGGAGGGGCCCGCCCTCCCTCGCCTCCCCCGCCGACTCCCATCCCCCT	24583
CGTCCCGGTCGCCGCGGTTCGCCGCCGCCCCTGGTGGCGGTCCGGCGACCGGCCCACCAT	24584
CAAAAGTAATCGTGGTTTTTGCCATTGAAAGTAGTGGCTGAAACCACAATTGCTTTGC	24585

Table 2. Additional miRNA sequences

CCGGGGGCCGGCGGCGACGCCCCCTCAGCTTGCTGCCGCTGCTCCCAAGC	24586
CATCTGGCTGGCGGGCCCGCAGCCCACCCAAGGGCGGCACCAGCTGTGGGCTCGACGCCGCCGTCCCCAGCGCTG	24587
GGGAGCCCGGCCGGCGCCGGCGTCGCTCCCGCCCTCGGGGGCTCCGCGGGCCCTCCCCCCCTCCCTC	24588
ACCCTGGAGGGTGGGGGGAGGCGGCTGTCGTGAGAGGTCCCAGCCCCACATCTTCCAGTGA	24589
ACTGGCAAAAGGGTTTAGAACTTGACTGCCCTATAAAGAGTTCTTCCTCTGTGCCATAGG	24590
CTGTTGCGTCGTGTGGAGGTGAGGGCCGGGCGGCCAGGGCGTGGGAAGGCGGGCCCTCTTCCCCGTCCCGCGCGAGGT	24591
ATCGGGGTTCTCTGACTCACTCTGTACCCTCGAATGAGTACGGGATCTCTGTAGA	24592
GGCCCCGCGGAGCCGGGTGCGCAGAGCCGCTGGCGCACTCGCGCGCTGCGCTGGCCTC	24593
TGGGGGGCAGTCTGGGAAGGCTTCCTGGAGGAGATGTGGGCACACTCCCCTCTCTACCTTCCCACACTGGCCCACCAGG	24594
AGCGCAGGGCAGCAATGACGTCCCCCAGAGCCGACAGCGACTTGTTGATGTGCTGCGCCTCC	24595
AGCGCAGGGCAGCAATGACGTCCCCCAGAGCCGACAGCGACTTGTTGATGTGCTGCGCCTCC	24596
CCCCTCCCCGAGGCCCCGCGGCGCCGCCTCCACCTCGCTCGAGCCGCGGAGCGCCTCCGAGCGGCC	24597
GTCTGGTTGGGGGGAAGGCTGGCTTCCATCTTCTCCTTTTAGGGGATGGGGAGAAGGAACAGGCTCTCCATAAGCCCAGCCATGCCC	24598
AGGGGACGGAAGGGCAGAGAGGGCCAGGGGCTGTATGCACTTTCTCCCTGAGCCCCTCCTGCCCCCCCACT	24599
GTGGGATGGGCCCCGCGACCGCGGCCTCGGCGTCCTGTAGTACCTGACGGCGGCGAGCGGCGTCAATCCCACCA	24600
GAGTCCGGGGGGCTTGGCGGTGGTGCGAGGCTCAGGGGTCGGCCCTGGCTCCACCTCTGAGCCCCGGACTCCG	24601
GTGAGCAGCGGGGAGGGACGGGGAGCTGGAGGGGAGCCGAGAGTATCGAGCAGGCACTGAAGCTGCGGTCCCTCCTCTCCTCAGG	24602
TGGGGCTCCAGGCCTGGGTGCTGGCCCACAGCAGGCATGGCCCCAAGCCCCCGGT	24603
GGCGTGGGAGGGTTGGGCTGGGCATGGGCCACGGCTGCCCCCACAGAGCCCACCCAGCTGAGCCGCTCACCCAG	24604
CGCTGTTTCTATCATGGCCGCGGGAGCCGGGACGGCCCCGCTTCCGGCCCGGGCGTCGTGCGTGACCCAGCGGCGTC	24605
GGGAACAGCAGCAACATGGGCCTCGCTTCCTGCCGGCGCCGGGCCCGGGCTGCTGCTGTTCCT	24606
GCCACGGCAGGTAGCGAGCGCTGGCGCGGGGGGCGCGGTGGGCTGGCTGCCTGCACGGGGCGG	24607
AGGGGTGCCACGCTGCCGCCAGCCCAGCACTCAGGAAGCGCAGTGCTGCACACCACC	24608
AGTGCCTCCTGGTCCCTGTCTGCCGGCATTCGCGGCTGCGGGGGCCCGGAGGTGGGACTGGCTTCCCGGTGCCGCGAGGGCGGGTCCGGACAGC	24609
CTTCCCCCCAGT	
AGTGCCTCCTGGTCCCTGTCTGCCGGCATTCGCGGCTGCGGGGGCCCGGAGGTGGGACTGGCTTCCCGGTGCCGCGAGGGCGGGTCCGGACAGC	24610
CTTCCCCCCAGT	
ATGTTGGGATGAGGGGAGGGTCGAGAGGAAAGGAGGGCTCCCTCCTGGTGCCTCCGTCTCCTGCCCTAGGTCCGGGAGGTGC	24611
CAGAACTCTTCTAAGCCCTTCCTCCATTAAGGTGGAAGGGATTGAAGACTTTGA	24612
GCGGCTGCTCAGCCCGGGGCCCCGGCGCCTCTCGGGGTGGGGGCCGGGAGCGGCGGGGGCGG	24613

Table 2. Additional miRNA sequences

AAGATTCAGTGAGTGTTGTCCAAAGACCTCGAGGATTTGGGGTCATTGGCAAGAACTTCCATTGTACATTT	24614
GGGTCATATGGTAATTCTGTGTTTAACTTTTGGAGGGAACCACCAAACTATTTCCACAGTGGCTAAACCTTT	24615
CCGCTGCCGTGCTGTGGGCGCCCCGAGTCTGGGCGGGGTCCCGGGTGCGCAGCCTGC	24616
ACTTTTGCAGTTTTTTGCCAGTACTTAAAAGTAATGGCAAAAACTGCAAAAGTAA	24617
CGGGCGGCGGCGGCGGGGCCGGGGACCGGGGCCGGGGCGCAATCCGGAGTTGCCGAGCCCGCGGCGGCG	24618
ATCCCAGGGCCAGTCTCCACTTCACTCTTGGGAAGGCGAAGGCTGGTCAGGGAGACACA	24619
TGAGGTTCAGCCAGGAGGAGGGGGTGATGTTTGAGAGGCCCTCCCATAGCTGTGCTTCAGT	24620
TGAGGTTCAGCCAGGAGGAGGGGGTGATGTTTGAGAGGCCCTCCCATAGCTGTGCTTCAGT	24621
CTCGGGGCGGGGCCCGCGGTCTGCGGGAGGAGCGGCTGCAGGCCCGGGAATCCGGCCCGGCT	24622
CAGGAGCTGTGCCCGGTGCCTGCAGCCTTCATAAGCACACACGTCCATTCCCTACT	24623
GGGAGGGGCCGGGGCGCCTGGGGGCCCCGCAGCCGCTCACGCCGCCCCCCGGCCCCGCGCCCCC	24624
CAGCATGAGGGCTGTGGATGCCAAGGCCAGTATCTGCCGTGGCGGCCACAGCCCTCATGCCTCC	24625
CCCGCCTCGGCCTCCCAAAGTGCTGGGATTACAGGCGTGAGCCACTGTGCCCGGCCAGCTTCAGGAATTGGCTGGGTGTTGTG	24626
AGGTTCGGTCTTGGAGCTCCGTCTTCGGCAGCGGGCTCGGGGGCCTCGGACTCTG	24627
CATCAAGGGGCAGTTAAAGGGAGTGGACTGCCCCTCCCTTTAACTGCCCCCTTGGCAGT	24628
ACAGGCGCTGCGGAGACACTGAGCACTGCCCTCGCGGCTGTCACGTCTGCGGCTGTCACGT	24629
CGGCGGCCGACGACGCTCAGGCCCGGCCCCGCCCCGTGCCTCCAGCCCGCCAGGAGCGCCCTCGCAGTGGCCGCCTGC	24630
ACCTCCAGCCACAGCTCCCAGTGTGGCTTGGGCACTCCTCAGCCTCGCCGGGCCCCAGGCTTCCTGGTGGTGG	24631
GCGTGCAGCTCGTAGAGCTTGCGGCGTCTGCGCGTGCGCACAGGCGCGGCGGGAGAGGGGGCCGGGGGCGCGG	24632
CAGCCGCAGGCGCCCGGTCCGACTGCTGCTTCGGTTCACCGGGCGACCTGCGGCCCTG	24633
TCGGCCGTGATGCCTCACACCCAAGTGCTGCCTCGAGCATGCGTCTCCTGGGTGAGGGTGTCTGAGCCCACAG	24634
TCGGCCGTGATGCCTCACACCCAAGTGCTGCCTCGAGCATGCGTCTCCTGGGTGAGGGTGTCTGAGCCCACAG	24635
AAGGGCTGGTGGGCGGCTGGGCGGGCGAGTACCCGGCTGCCCCCTGACCCTTGC	24636
GGAGGGGACCTGGGGGGGCTCCCCCAATGGAGGCCGAGCCCGGCCAGGCCCCACCTTC	24637
CTGGGGGGGCTCTGGGCTGTGGGGGCCTGTTTTTGTGACTTAAAGCTCTCCCAGCACAGCCCCCCTGACC	24638
GCCTGCGATGTAGTCGATGCGGCCCCCGTGGGTCGCCTTCAGGTGTCGCGCCAGGAGGCCGATGGCGGCGCGGAAGGAGGCGG	24639
TGGCCCCTCTGCCCCCACCCAGAGCTGCTGGAACTGCGGGCGGAAAGCCAGT	24640
TGCCCCCGTGATCCTGCACGTGGGACGTCAGCCACCTGTCAGGACACCTGGGGGCAGA	24641
CGCTGTCTTCTGGCGCCGCACCGGGCTCAGGCGCGCGGGGCTGGGGGCGCGCG	24642
TCCGCCTCCAGCCTCCGGGCCGAAGCTTTGGCCTATGGTGCGGGGGAGGTAGTAG	24643
ACGTCGTTACCACCGCTGGGTCTGTGGCGGTTTGTCCGCAGGCGCTGGTGTTCTGGAAATGACGTCG	24644

Table 2. Additional miRNA sequences

GCTGCAGTCAGGTCCTCTGTTCCTCGCGCTGGCGGGGTCAGCAGACGTCTGGCCGCAGTGA	24645
AGGCCCGAACTGATCCGCGGCGGCCGGAGACCGCTGGGGACAGACAGGTAGCGCCGTC	24646
CTGGAGAGAAAGGCAGTCAGAGGAGAAAATGAGGTCCAGCTCGTCCCTGGCTCTCTCTCTCTCAGGT	24647
GGGTCCTGGAGGGGCTTGGAGGCCCCAGTCTCGCAGCCCCCTTCATCGGGGACCCCC	24648
CGTGGTTTCAGCAACTTCCACAAGGGGGTGGGGTTAGAAGGTTCTCTCCCATCCTTGTCAAAGTTGCTAAAACCACGCA	24649
CCCTAAGCCTTATAGCAACACCGTAGGACCCAGATGAACTGCTACGGATGATGCTGGAAGTGCTCCCCAAAAAGCAA	24650
GGGACTGGCAGCCGGGACTGAGCGCTCCACAGGCGCCTTCTCTCCAGCGCCGCGTCCCGT	24651
ACCTGCTGTCCCTCTTCAAGGCAGGTCTAGACGCCTGGTTCTCCTTGGAGAGTGGGCAGCAGAGAC	24652
CAAGCTCAAGTTGGGCACCCCACACTCTAGACCAGTGCCTCCCAACGTTGAC	24653
CTGCTGTGAAGCTGAAACCGGAGCCGGTCCGCTGGGCGGCGCCGGGGGCCGGAGGGGCG	24654
CGCGGGCCCCTTCCCGGCAGCCTCCCTCGGGCAGGGAGCGCGTCATTTCCGGAGGGGGAGGCCCGCGGC	24655
TCGTCTGGGCCCCGGTTCCTGGACGACCTGGGACTTCTAGGCAGCGACTCCCAGACAGA	24656
TAGTGTCCGTGCCGGGTGCCTGCGGGGAATGGGAGTGGCAACCCCGGGCTGATCACTACT	24657
CCGGCGCGGCGACCGCGGCGAGGGCGGCGGGGACGGAGCAGAGCACGACGAAGACGCACAGGCA	24658
GGCGGGGCACCGAGGGCCCCCCGGAGCCCCGCCCAGCGCCTGCCTCGCTCCGCCCCCGCCCCCGGAGCCCCGCCCA	24659
TGGGGTGGGAGGGGTGATGAGCCCCTGTTATCTGAGGAGCTCAGGGCCTGCTCCCACCCCGCA	24660
GCGCGCCAGGAGCTGCGCGGGGCGCTGGGAGGGAGACCAGGGCGCAGTTCCGGGGCGCGTCT	24661
ACCATGGGTGGGTCACGTGGGCCGCGCCTCGGCCAATGCGGCGGGCTGCGTAGCGCCCGGGCCCGCCCCTGAGCC	24662
CGCCGCGGAGCCCGGCGGGCTCTTCTTGGACAGGTCCAGGCCACAAAGAGGGGAGCAGCGGCGCTCCGAGGCA	24663
TGGTGACACAGCGAGACTCCGTCTCAAAAAAAAAAAAGATGGTGTCTTGCTCTGTCAACCAGA	24664
GGACGCCCGCTCCCGCCACCATGGTTATCAAGACGGGACGAGTTGCCGGCGGCCGC	24665
TCCTCCGCGTCCCCGCCCGCCAGCTGCTGTCGGAGGTTGACAGGTCGAGGCGGGGGAGG	24666
CGCTTCCCAAGTCGGCAGTCTCAGCGCGCCTGCGCCGAGCGGCCCTGCGCGCAGTGAGGCAGTGGCGGGGGGAAGGCA	24667
TGCTCCTGTTTGGAGCTGCTGCTGCGCAGGCTGCGCCGGATGATGCTCAGCAGCGGCTCCAGCAGCTCCAGG	24668
GAGTGAGCTGCCGCCCTCCCAGCCACATGCCCCGAGGTGGCCCCGGGGTGCAGCCTGCTCAG	24669
GCGCGGGGTGCCTGCCAGGGGGGAGGCTCCTAAGGCCCACCCCGGTGTTTTCCCCGCCAGC	24670
ATAGGATGCGGCAGGAGGGCAGTGGAGGCTGAGGTACGGATTTCTAGGCCCGCCCTACCCTCCTCTCTGCCCCTAGT	24671
GGGGGAGTGGCAGGGGGTCCTGGGTTCTGTTCACAGAACTCCAGGGCAACCCTTCCCTTCCCAGG	24672
CCCGCTGCCCGCGGGCCCAGGTCGGCGTCGGCCGCGGGCAAGAAGGCTGGTCGGCGCGGCGGGAGGGCGCA	24673
CCCCGGCTCCGCGCCCGCCCGCCCGCCCGTTCAGCCCGGACGCCAGCAGCCCCGGGGAGCCAGGCGGCG	24674
TCCTGTGCTGTGGGCCGAAGCTGGCCGCCTGCGGCATCGTCCTCAGCGCCTGGGGAGT	24675

Table 2. Additional miRNA sequences

GGTGGGGCTGTCGGTCTGACCGCGGGTCCATCTGTCCTGCCGTCGGCCCACAGCCTCCTCC	24676
CCCAGGGGAGGGAAGGGGAGCCGAGGTCAACGCTGCGCCTCGGTCCCTAACCCCCTCCGGAC	24677
GGAGGGGCAGCGGCGGAGGCTGGGAGGGCAGCAGCTGCCTGGGACCCGCACGTGCACTCCCACACGCTCGCGCCCACCCCC	24678
TGACTCACGCTCCCCCCACCCCCAAGCCTGAATCAGACCCCGAGGGAGGGCTTTGTACGGGGGGGCGGGGGGGCGAGTGAGGAGTC	24679
GAGTTAGCGGGGAGTGATATATTATTGCTGCAAGTACACTTCTCCACTTTCAAAG	24680
GAACGGGGCCTGAGGGAGCGGATGGGGCCCAGCTATTGCCTGCCCCCCACCTTTCCCAAAGCCTCCGTGCCC	24681
GGGCCCCGGGGAGGTGGCGCTGGTCAGGAAGCCTCGCCCAGCCCTCCCGGGGCCCA	24682
GGTGGGGAAGTTAGGGCAAGAGGCCTGGGAACCTCCACCCCAAGCCTCTTCTCATCTCCCCCACAGA	24683
CGGGGGCCCCCAGCCGGGGTAGGGCCGAGCCCTGGCTCCCAGGCCTGGCTGGGCTCCCTGGA	24684
CTTTCCACAGCTTACCAGTCGGTGGGATTACCAATTGATCAATCCCAAAGATTGATAAGCTGTGGAAAGCA	24685
CCCCGAGGCCTCCCTCCCTCCCATGTGGTGACCCCAGCATGTAGCCTCAGCCCTGGGGAGGAGGTCCCTGGCT	24686
GGCTGCTCCGCGCGCCTGCTCCCGGGGGCTGGCAGGAGGTCCGGGGCCCGAGGTGCAGGTGCCGCCATCCC	24687
TAGAGGCGTGAGCCAGCGCACCTGGCCTCCAGTATTATTTAAGAGGTAGAAATAGGCCGGGCATGGTGGCTCACGCCTCTAAT	24688
TGGCCTGGCACATGGCCGCTGGCGGCGTGACGGGGGGCGTGGCCTGGCGGTCTAGGGCTGGGGGCG	24689
GGCGGGGCTGCGGGACCGCGAGTGAGTGTGGTCGCTCCTGGTTCTGCCAGCTCCCCTGA	24690
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GGGCTGCACTGCCGAGGCACTGCACCCGCCTCACACACGTGCAATGCAACAGCAATGCACCGCG	24693
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CGGGCGGCACCCGGCCTGGGACGCGTAGAGGCGCACGTGTCCCGGCCCGGAGCCGCCAAGG	24695
GCCGCCGCCGCCCGGAGCGGACGTTTCACGAGTCACGTCCCGGTGACGGCGAGCGTGGG	24696
ACCAAGGGGTGGGGTGTTTGGGGGCTGAGTCAGCTGCGAACACCCCCACCCCTGCAC	24697
ACGGGAAAGAATAAGAAGCCATAAGAACCAATAGCTATGACTTCTTATTCTTTCCTGTGT	24698
ACGGGAAAGAATAAGAAGCCATAAGAACCAATAGCTATGACTTCTTATTCTTTCCTGTGT	24699
CGGCTGAGGCCCGCAAGCGCAAGGTGCGCCCGGCAGCCCACCGCGCGGCGGGGCTCGGGGGCCTTC	24700
TCGGGCTCTGGCCGGGACACCATGGGGGGCAAGGCCCGGCCGCGCGGGGG	24701
AGCCTGGGAGACACACTAGCATGCTTTGGTGGGACCAGCCTTTCCAGGGCATGCTGGCTTCCCCTGGGGCTGA	24702
ACTCTGAGATTTCACAGGCTGTGCTTGTAAGTGGGCACAGACCTGCCGTCTTGGAGTCC	24703
CGAGGCGCGGGCTGTGGGCCGCCGCGTGCCTGGCCCCGCTCGCCCGTGCCGGCCGCT	24704
CGAGGCGCGGGCTGTGGGGCCGCCGCGTGCCTGGCCCCGCTCGCCCGTGCCGGCCGCT	24705
TTGGGTCTAGGGGTGGGAACTGGGCACTGCAGTCAGCTCTGACCCTGGCCAGTTCCCCCATCCCTACCCCC	24706

Table 2. Additional miRNA sequences

TGTGGGGGACCCTGGCTCTTCCCCATCTGATGGAGCCGCCACACTCCCTCGCAGG	24707
CTGGCCTGGAGCAGCCCAGAGCAAGGAGACTCCGCTCTGATGCTGCTCTGGCTCCGT	24708
GCTGGGCGGCGGGCCGGGCCCGGGGCCCGCTTGGAATGGCGCCTCCTCCGCCTTCGCCCCAACT	24709
GCGCAGCCTGCGCCTCGTGCCGGAGCAGAGCAGAGGCCAGGATGCGGAGTTGT	24710
TGCGCGAGGCCCGCCGGGGCCGCTTGGAGGCGCCCGGTGCAGTCGGGAACCCG	24711
CCAATGCTAGACCTGGTGGCTAGACCTTGATTGCCACCGGGTCTAGCATTGGGA	24712
ACGCTCATTCATTTATGTCCACACTCCACAGCCATGTCCACATTTATTGAAACTGTGGACGTAAATGAATGGGCATGG	24713
GCATATCATTGTTGTGTTTGTAAAAAAACAATGGCCAATAGAGATAACAGTTTATGAAAA	24714
GCTCAGAATCGCGACTAAGGCTTTTTTTTTTTTCTCCCTCTGAACGGTTAGGCTATGG	24715
TGGGAGGGGGGGCCGACTTCCTGGGGCCGCCCGTGAGGATGTCGCGACCGCCCCCGGGTGCC	24716
CGGGCCGCGGGCGGGCCGCGGGCCCTGGGCAGTCGTGGCGCCCCTGGCCCGGCCTTCGCGGCCCCCTT	24717
CGACCGGCGGCTCTTTGGCGCGGATTAGGGGGTCTCGGCGAGGTGAGGCGCCAGGCAGCG	24718
TGGCGGGCCGGCGGGCAGCGGGCCTCGCCGCTCTGTGGGGGAGGGCGGTGTGGGCCGGGCCTGACCCCGGGGGCCCGCCCCG	24719
CGGGGCGGGGGGACGCGCGGGGGCGGCAGGCGGCGCGTGCGCGCTGGGCTTCTGCGCCGTGCGGTGTGGTCCGGG	24720
CCCAGGGGTGGCAGAAGGTGGCTCAAGTCCCCTCCTTCAAGCCTGGCAGGAGGTGGGCAAACTCCTTCTCACCCCTGTGGCT	24721
ACCCGGGGAGGGGGGGCGGGCATCAGATGCTTCCCCAGCCCAGCTCTTCCTCCTCGCCCAT	24722
CCAGCCCCACGCGTCCCCATGCAGCCCTGGCAGTGCCTCCGGCGCTTTGCCCTGGCCTGGTGGGAGAGGACGGCGGAG	24723
GGCCGGCGGCGTGGTGCCCGGGTGAGCACCCCCGCCCTGCACCAGCCCCCGTCCCGA	24724
TGCAGATTCCTAGGCCCCACCCAAGGGACTTCTGCTTGGCAGCTCTGGGTGAGGCCCAAGAATCTGCATT	24725
CCCCCGCGGGGGCCCGCTGGTGGGAAGAGACGGGGGGGCGAACCGGCGAGGGGAC	24726
AGCTGCACCTGAGGCCGGGGGGTCGGGGGTGCAGGGCTGGAGCCGGGCAACCCTTCCTTTGGCCGGGGTCGGGGCGCG	24727
GCGCAAGGCTGCCTAGTGCCCCTGTCTGGCCTGGGCTCTGGGCTGAGCCTTGCTGCTT	24728
TATGAGGGGCGGAGGAGAGGGTGGCTGGAGGGGGTGCATGGGGGCTCCTCTCAGACCCCCCTCACCACTGTCCCTTCTCTC	24729
CGGGAGTGGGGGGACGGTGGGACGCCGGGACTAGGCCGTCGCGCTGCACGCCAGTCTCGCC	24730
CTGTGACCCGGGCAGTTTCACTTCTGGATCCTGCTCGGGCTGTGATAGGA	24731
AGTGAGAGGCTGAAAGGGGTCTGCGGCCCCAGCTGACCCCCGTCTTTCTCTCTAGC	24732
CGTGGAGGCCGCGGCTGAGGCCCGCCGCCGGCCCATGGGGGCCTCGCCGCCGCCTCTGCTGC	24733
CGTGGAGGCCGCGGCTGAGGCCCGCCGCCGGCCCATGGGGGCCTCGCCGCCGCCTCTGCTGC	24734
GGCTTCGGCCGCCCCAGGCTCGTCCTCGGGCCCGCCCAGCGCCGCAGCCCG	24735
TGGAGCCAGGCTGAGAAGGGGGTGCCATGGAGAAGAAGGCCCTCACTCTCCCTCCTCCCCCAG	24736

Table 2. Additional miRNA sequences

CCGGCCCGGCGGCTGGCGCAGGTTATAAAGGTCCCGCCGCAGCAGCGGACGGCAGACTCGAGATGCGCCCGAAGAGGTTGGGCCGGTG	24737
AGCCGGCGGGAGGGGGCCCGCCGCGTGCTCAGCACTTAGGTGGTTCTGCAGGGCTGGGGGCAGCGGCGGAGACCCTTCTTGCCTGGTGAC	24738
GCGAGGCTGCGCCCCCATTGGCCAACTGCAATGAGGTCATTGCGGGGGGCGGGGCCGGCGGGCGCAG	24739
CGGGGCATGGGCCGAGCTGAGGCCATGGCCGCCTACCTGGCCCTGGCGGCGCAGTGTCCGGGGTTCGGCGCTGCTCGGTA	24740
GGGCGCCGCCTCGCGTCCCGGGGTCCGGGGAAGATGGGATCTGGGCCGGGGGCGGGCGCTC	24741
TCCGTCCCGTACTCACCCCGCCCGGGGGGCCGCGCCGGGGCCCGGCAGCCTCTCAGGGCCGCGTCCTCCGGCGGCGGGCGA	24742
AGTGGGAGGGGGAGGGGGAGTCCTGCCAGGAGGGCCACCTGGTGACTCCACATCCTTTCTCACCC	24743
CGGGGGAAGAGGAAGGGCGCGCGCGGCCACGGAAGCGGGCACGCGCCCCAGTCTCCTCCTCCCGCCTCC	24744
GGCGCAGCGCTCACCGGCCCCGCCCCCTCCGGCGGCCGGGGAGAACTGCGCCTGC	24745
GGCGCAGCGCTCACCGGCCCCGCCCCCTCCGGCGGCCGGGGAGAACTGCGCCTGC	24746
TCCTCCCTTCTCCCTCCTCCCCGCTCCGGCGGCTGAGGCTGCGGCGGCGGGGGGTGTGC	24747
CCGCTCCCTCCCACAGCCTGCCCGGGCGGGGCTCCGCGGGGGGCAGCTGGGAGGAGGGGCGGGAG	24748
TCTTAGAATCCCCAAACCACTTCACAGAATGCTTTGGGGATTCTAAGAGTT	24749
GGCTTCCGCTGCGCAGCCAGGGGTACCAAGTGTTTGCGCAGGGAGGCCCC	24750
AGGTGTGAGCCACCATGCCCAGCCTATAAAAAAAATTTTTTTTAATTAGCCAGGCATGGTGTTGCACACCCGC	24751
GAGGGAAGGGGGGGTGGGGAGGGGCCGGCTGTGCCCCCCTCACCTGCCCCCTCCCCACA	24752
CCCGGGCGGCGAGGGGCGGCCCGGCTCCGCCCTGCGCCCCTAACCGCCCCGGGTA	24753
AGCTGGTCGTGGTGGCCTCGGCCTCCCAAAGTGTTGGGATTACAGGCGTGAGCCTCTGCTCCCGGCCTAA	24754
GGAGGAAGTGGCTGGCCTTGCTTCCGGTTCCCTGCTGATCAGCCTCCTTCCCTGTCCTCCCT	24755
CCTGAGCCACCATGCTGAGCCTAAAAAACTTATTTTAGGCCTTGCGCGGTGGCTCACACCT	24756
CCTGAGCCACCATGCTGAGCCTAAAAAACTTATTTTAGGCCTTGCGCGGTGGCTCACACCT	24757
GGTCTTGAAGCCTGGGCCTCCACTCCGCCTACTGCAATGGTGGAAGCTCCAGTTTACAAGACACCC	24758
CGGCTGGGTGGGGACCACCATGGGCAACGCGGCCGGCAGCGCCGAGCAGCCCGCGGGCCCCCGCGCCGCCGCC	24759
ACAGAAGGCGGAGGCGACTAGGGTGTTGGTGGAACCACACATGCGCCCTCGGCTTCTGGCA	24760
CGGGGGCAGAGAGCCTGGGGGCGCCGGGGGCTGGGCGCAGCGAGGCGCGGCTGGACTCCGGGC	24761
CGCGCCGGGGGTGGAGCGGCCCTTCGCCGCCGCAGCCGCGGAGGCGCTGCTGTCCCTCCTCCCCCGTGTC	24762
AGTGGGATTTCCGAGTAGCATCCCTTGAGTGCAGATTCCAAGGATGCTACTCAGAAATCCCACTGA	24763
GGGAAGCAGCAGCGTAGGGCCACTCCGCGGCCTGGTGCGGCCTAGGCCCGGCTGCTTCTCCCGC	24764
CCGCCGCCCGCGGCCGCTTTCCCGCAGCGGGAGGGGGAGGGGGACGCGGTGGGTGGGACG	24765

Table 2. Additional miRNA sequences

ACCCTTTCTCTTGCCTTTCTCAGAAGGCAGAGGTATTCAGAAAAGGGCAAGAGAGGGCAA	24766
CCGGGGGTAGGGCTGAGGTGATTGGGGTGGGGGAGGGGAGGCCCGGCCCCTCTGACCCCGCTCCGTCTCCCACTTTCCTCCCCCTAGA	24767
GGGGCGGGGGAGTCGGGGCCTAGGGGCCATGTGGAAGCTCCGGGCCCGGCCGCCCGCCCTGT	24768
CAGAGAGCGCGGGTGAGTCACGGGCGGAGCTGGCCTTGTTCGCTCGCTGGCTCCTGCCCGCCCTCCGTC	24769
CGGGCACTGGGTCTTCTCCACGCAGATTGAGACGTCTGCTGGCGGGGGTCCTAGCGCCGATC	24770
GTGAATTAGGTAGTTTTCATGTTGTTGGGCCTGGGTTTCTGAACACAACAACATTAAACCACCCGATTCAC	24771
GCGACTGCCTCCCCTGCTGTGAGCAGGAGAACAGGAAGTCTGCCCGACAGGGAGGTGGCCGGGC	24772
GCGACTGCCTCCCCTGCTGTGAGCAGGAGAACAGGAAGTCTGCCCGACAGGGAGGTGGCCGGGC	24773
GCGGAGGAAGAGGGGACGAGGAGCCGGGCCCCACCTCCTTCTCCTCTCCCTCCCTA	24774
CGGGGCCGGGGGCCCGGGGAGCGGCCTGGCTCCGCTGCCCGGGCTCCCCGCCCTCAGC	24775
CAGGGAGGTGGAGTGGAGGAGGGAGGTGTCTGAGAGGCCCCCCCACCCTCCATCTCCCTCAG	24776
GGGGGCGGCTCAGCCCCCGCCCGTGCGCGCTCGCGGCCCGGGTTGCAGGGCTGGGCGCGCGCCCCGCG	24777
CCCATCTCAGTGGTCGCGGAAGGTGACGTGGACACGGAAGTGGTCGTCGTCGCGGCACCGGTGGGAGCTAGG	24778
GGGTTCGAGGGGCCGGTGGCCGCGAGGCTGAAAATGGTGCCGAGGAACCG	24779
AGAAGGAGCGAAGCTCTGGCCCGGCGTGTAGCGGGCGCACTACGGGGACGCTGGGCCGGGCACCGGGCTGT	24780
AGGCCCAAGCTCATATCCCTGCATTAGGATGGAGCCAGGGTGCAGGGGGTATGGGCAAGGGTCCCCTGT	24781
TGAACCCGGGAGGCGGAGGTTGCAGTGAGCCGAGATCGTGCCATTGCACTTCAGCCTGGGTGATAAGGG	24782
CCCGCCTCCAGCTCGCGGCCCCGCGCCGGATCGGCGTGCGGCTGGAGCCTTAAGCGTTTC	24783
ATAGCCTCTCTTCCCTGGATTGTGACATATGGAATGACAGTGCAGGTACCACCGAGGCTAGCACA	24784
CCGCGGGGGGGCTGGGGTGGGGCCCGGGGCGCGGCGTCCCCCCCCCGCGGGG	24785
GGTTCACTTGGGTCTAGAATTACCTAAAAGGCAATTCCAGACCCAAGTGAACCTA	24786
CGGACCCGGAGGGATGCGGAGTGGCGCCGCGGTGGCGGAGACTGTGGCTTTAAGAGCGTGCCGGGAGCCCGAGCCCCAGCCGGGCCG	24787
CG	
CTCGCGGAGGGAGCCCAAGGGCGCGGGACCCCCGGCCGGGGCGGGAGACGCGCGCCAGGGGCTGGGCGAGTC	24788
TCTGTTTCCTCATTTATCTGTTGGGAAGCTAACTGTGACCTTAGCGTCCCAGCAGATAAATGAGGAAACAGA	24789
AGATCCACATCTGGCCTGTGTTGCTTATGAACGTGGCCAATGTGATCTGGA	24790
CGTTCGGCGGGTGGGGTCCGAGCAGCTGACGGTTAGTGTGGCAGTTGCCGGGGACCTAACATGGAAGAC	24791
GGCGGCGCTAGCGAGCGGCCGGGGCGGGTTGCTGGGCGCGCTGCTCCGGCGGGGCCCGCTGGCACAGCCGCCTCGCGCGAGCCGCCC	24792
GCCCGGC	

Table 2. Additional miRNA sequences

GGCGGCGCTAGCGAGCGGCCGGCGGGGGCGCGCTGCTCCGGCGGGGCCCGCTGGCACAGCCGCCTCGCGCGAGCCGCCC	24793
GCCCGGC	
AGGTCGGGGCCGGCGGGGCCGCGATGAGAAGCCGCTGCCCCGACCTGACCCCGGCCCTC	24794
GTGCAGCGATAAGGCGGTGGCGGCGGGTGGCTCGGGGACCACTGGTAGCGGCAGCAGCTCGCGCCCGCGCCCTCCTCGTACCC	24795
TGCTGCTGGGGCTGGCACTCAGGAAGATGCCAAGCGGAATGCTGAGCCTGGCCTTGGCACC	24796
CCTGCAGGTTCCGGGAGGTCAGGTTGTATTCCTGGCGGGTCGTCTGGCTGGGTGGGCCCCGGAGGTCGTGGCT	24797
CTGTCGGCCGCCTGGACTTCCCGCGCGCTGCGCCATGGGCCCGGAGCGGCCGCAAGGG	24798
GTGACGAATGCAACCAGCGTGGCCCCAAATGAGTCGGCGGCCGCCGCAGGTTGACGTAGAGC	24799
ATGCTTGTGTTCAGGTGGATGATTACATGTGTATGTGTACATCCATAAACACAATCTTCA	24800
CCCGCCCTATCAGGTGCTCTGGTCCTCGGGACCAGCTGGAGGGGCGAGAAGGGGCGGGGC	24801
CCAACCCCCCACCTCAAGTCTGTATTTCTCCCAGACTTGAGGTGGGGGGGTTGGGG	24802
CGGCTCCGGGACCCGCAAAGTTTGCTAGCCGGCTGGGCGCGGAGCCGAGGG	24803
CCCGCCCTCAGAGCTGGGCCTCGCAGCCGCTAGGGATTGCGGGGGCCGCATTTATCCCTGTGTCTCTCAGGCCCCGCAGAGACGGGGG	24804
TCAGGGGATGGGAGTGACATGGCCTGGGGATGCCCAGGGCTCTGACCACTGCATCCCCTTCC	24805
CAGACTGGGCCTGGGCTGGGGTGGGTGACGCCTGGCACCAGGTCATCCTGGTTTGCT	24806
GACTCTGGGACGCTCAGACGCCGCGGGGCGGGGGATTGGGTCTGTGGTCCTCTCTCGGCTCCTCGCGGCTCGGCCGACGGTT	24807
CCCTGCGGAGCAGTAGCTAGGAACAGATCCACTTGCAGGTTGCTGTTCCCAGCCATGGCTTCGCGCT	24808
GTGGGGCTTGGGGCATTGGATCCGATCCCTGGAGGGCTCCTCTGCTCTGCCCTCTCCAA	24809
GTTCTGGGCTGCCCCGGGGCCTGGGGTGATGACCCGCAAGCCCAAGGGGCGCTCGGACTCC	24810
AGGGCAGTCCTTGTGGGGTCCTCGTGGCCAGCCAAGATGGCTGCCCCCGCAGTGAAGGTTGCCCGAG	24811
ATCCGGTCCGTACAAACTCTGCAGTGATTCAATCAATGAGCAAACAAACTCACCAATCATTCAACACAGCAGAGTTTGTACGGACCGGATTC	24812
GTGCCCAGTCCTGTGGGAGATACAGCTGAAGTGTGTGTGTCCCCCACCCTGAGCAGC	24813
GGGCGAGGCGGGCCGCGCGGGGTCTCCGGAATGGACTGACGCAGACCCCTCCCCACTCCTCGCCAGG	24814
CGGCTCCGGCTGCTGACTTCCTGAGGCCCCAGCAACCTGGGGCTGGCTGAGGTCTGGTGGGGCCCCT	24815
CGGGTCTCCCCTCCTGCTGCAGGCGGGTCTCCAAGGAGAGTCGGGGTAGCAGCACGGCGGCGCCAAGC	24816
TGGGCAGGCAGGACAGGGAGGCACAGGCAGACTTGCTGCTCCAGGCCCTCGCCTGCTTGCCCACA	24817
CCGGGTCCTAGTGGCGGCCGCAGTGTCGCAGGCCGGAGGGAAGATGGCGG	24818
GCCCTCCTCCAACCCCTGGACGCTGCGTCCTGATTTCCCCAGGGACGCAGGCCTGGTTGGGAAGAGGGGTG	24819
CCGGTCCCGGGGCCGCGGTAGCTCAGAGAAGCGCCGTCGGGCGGGGGGCGGCA	24820

Table 2. Additional miRNA sequences

AGCGGCGGCAGCAGCGGTGAGCGCGAGCCCCGGAGCCCCGGGCCGGCCTCCCGCGCCCGCGCAGCCCC	24821
TGAACCCGAGAGGAAGAGATTGCTGTGAGCCAATCTCATTGCACCCTCCACCTCCCAGGTTCAAG	24822
CACGCCTGCTTTCTAAGCAGCTCTGGCTGACTGGCCACAGGCCCCAGCCATGAGACTGAGAGGAGAAAGGGAGTGA	24823
TGGGGACCCAGCTGCTGAAGTTATCATTAAACTTGAGCAGTCCAGGGGCC	24824
GGGTGGGGGATTAGGGTCCCTGGCTGCAGAACAGCCAGGCCCCAAGTCCCCCACTCCA	24825
GGGAGTGGGGGGAAGGAGGCCCCTGGGCAGCTCGGTGCCTCTCTCCCCACTCTGC	24826
ACAGTAGTCTGCAGTGGTGTGCAGTAGTCTGCAGTGGTGTATACTAGTCTACAGTAGTCTGCAGTGGTGTAT	24827
CGTGTGGGGACTGGCCGCTCCCGGGCTGTGGCCCTGGGCCCTGCCCGACAGCCCCCTCTCCCGCAGGG	24828
TGCACAGGCCTGGAGCTCCTCACAGGCGCGGTGAGGAAGCCCTAGGACTGGGGGA	24829
CGGGGCGGAGTGCTGGGGCGCTGGGTGCCCGAGTCCCCGGGTTCCCTGAGCTTAGAAGGGCCTGTCTGGAG	24830
TGGGCAGGGCGGGTGACTCAGGGGCGCCCCTGTCACCACACCCCCGTCCAGG	24831
AGAGTTGCTGCCGCCTGCTGTCCTCACACCCGCTCGTGGGAAGCAGCGCCTGTCGCAACTCGCC	24832
AGAGTTGCTGCCGCTGCTGTCCTCACACCCGCTCGTGGGAAGCAGCGCCTGTCGCAACTCGCC	24833
GGGGCGGGGCGCGGCGGCCGCCTATATACCCGCGAGCGCGGCCTCCGCGGCGGCTCCGACTTGGACTCCCT	24834
TGTTCTGCTTGGAGATCTTACACCAGAAGTTGTTGGGTGACAACAAATGCTGGTGTAAGATCTCCAAGTGGAACAGA	24835
CCGGACCGGCGGCTACCGGGCCCAGACTCCCGCGGGCAGGGCCGTCCCGGAGCCCGCCTCGCCGGCG	24836
AGGGAGCTCTCTGTGTGGGCTCTGCTGCGCTGGGAGCCTGTCACGGTAGGAGCTCTCCCG	24837
AGGCCCGGCTGGATGGGCAGGCAGCCCATCTGTGCCTCCCCATCCAGCCGGGTCTCA	24838
GGGCGAGCGCGCGCGGGGCGGAAGTCGGCCACCTTCCTCCGTCCCGGCCGTTAGCCCAGC	24839
GGGAGGAAGAAGGGAGGAGGAGCGGAGGGGCCCTTGTCTTCCCAGAGCCTCTCCCTTCCTCCCCTCCCCTCCC	24840
TGGAGGGAGGAGGGGGTGGGGAAGTCGGTGGCAGGCACTGGGGAAGCCGAGCCGCGGCGCCCTGTGTTGTGCTCCGCT	24841
TCTGCAGCCGCGCCGGCCGCCAGCGCCCCGGCGCTCCGGCTCGGCCATGGAGCTGCCAGCTGTTGGCGAGCACGTCTTCGCGGTGGAGAGC	24842
GCCGCAGGTGCGAGCGGGCCTGGAGAGTCTCCCGGGGCGGGGAGCGGGCTAGGATACAGTGGGCCC	24843
TCCTGCTCATATCCTGGACTGTCTTTCAGGGATTTACTACCGGCTTCCGGGACTTGAGCAAGTCT	24844
GCTCGGGGCTTGGCCGTAGCTTTTCCTCAGGTCCCGCGGCGCGCCCCTGTGTCG	24845
TGTGGACCGCGCGGCCGAAGAGCGCGGCGCCCAGAGCGCGGGCCGCTCGCGGAGCCACAGC	24846
ACAGGCATCTCATGCGGCTGAAGCGCAAGGAGAAGCCGGGGGGATGTCTGAGC	24847
CCGCTTCGCAGGTAAGCCCGCCGGGCGGGCGGCCGACCCCCCGGCCCCTCGGGGCAGAG	24848

Table 2. Additional miRNA sequences

CGGGGGAGGCCCGTGGGGTCTGCTTTGGACTGGGGCAGCCCTCAGCGTGGCCGCCCGCAGA	24849
CTGGCCCATTCTCCCCGAGGGCCAGGCCGGGTGAGGTCAGCGGGAGGAAGGGTCAGTG	24850
CCCTAGCTGGCTCTGCGGCTCTTCCGGGTCTGGGCTCGGAGATTCACAGGCGGCCCGCGAGGCCGAGCCGAGGGACGCA	24851
CCCCCCCAGCCCCGTCCGCCTGACCCGGCCCACCCCGCCTTTTGTTCCCGGGGAAGGCGCCGACGAGGCCTCGGCA	24852
TGGGGGCACCACTGTGGCTTGTGAAAGAGCAGACACAGGGATGAGCCGCACTGGTGTCCCCACA	24853
ACTGGGCTGGTTTTGTCCTTGAAGTGGTCAGGATACAGGACAAGGGCAGCCCCACCCCATCC	24854
ACTGGGCTGGTTTTGTCCTTGAAGTGGTCAGGATACAGGACAAGGGCAGCCCCACCCCATCC	24855
CCCGTGCGGGGTTGGGGCTCGTGGCCGGAAGCTCCGGACCTCCCTGGCCCCGAACGGTGAG	24856
CCCCACCCATGCCGCTCGCGCCCTTCAGGCCCGGCTTGCGTGGGCCGCAGTGGCAGCAGGGGAG	24857
GGGGGGGCAGCGCGCGGCCGGGCGCCCCGGCGGCTCCATTCACCGCGGCCAGCCCGGCGCCGCCCCCCCCCGCGGG	24858
CGCGCCAGACCCGGAAAGCGCGGTCGTCCTCTGCCTCCGGGAAGCGCGGC	24859
CCGGGCAGCCTGGCTCCCCCGGAGGGTGGCGGACATGTGTGGCTCACCTCCTCCAGGCGGGGCCTGGCT	24860
GTGAGCAGGGCTGGGGTACCTCCCCCAACCTAGGACACCCCACTTGCCCTGCTGACC	24861
TGCCTACTGGAGGGGACAGTGCATCAAAGAAGCCCATCTCCCGCCGGGCGCCA	24862
CCCAGGCGCGTTCCCGCGCAGGGTCCCGGCTCGGGCGGCGCGCACGAGCATCACCCCACCGGCGGGCGGCGCCGGGTC	24863
CGCTCGGGTCCCGCCGACAGGAAACGGGGTCCCTGGCGCTAGGTTCCGGCCCCTCCCGCCCCGCCGGGTTCCGCGCT	24864
AACCGAGAGGTGGTTACTGTAGTGTTTGTTGCCTTGCTTTGCACTCAGTCCATTTTCTCAGCACT	24865
GGCGGCGGCGGCTCGGGCTGGGGGGTCAGGTGGACGCCGCCCTCCGGGGCTGGACGCGCATC	24866
AGCCCCTGCAGCAGCTGGGAAAGCAGTGTCAGCCACCCCTCAGGTGCTGTGGGGGTACA	24867
AGCCGGCACAGCGACGCCAAGAGCCTCCTTGGTGAGGACACTCGGACCCTTGGCCCTTGGGATGCTGGCCGCTGA	24868
GGGCGGGCCCGGCGTGCCGGCTCGGTGGCGCGGCCGCGCGTGCTCCCGCCCCT	24869
GCAGGCCCATGGCGGCGGCCGCGCGCTCTCGGGCGCGGGCACGCCACCCGCGGGCGGCGGGGCCGGGGG	24870
GTCAGAGGGGGGATGTGCATGCTGGTTGGGGTGGGCTGCCTGTGGACCAATCAGCGTGCACTTCCCCACCCTGAA	24871
CCGGGCCGCCGCCTCTGCGCTCAGCCCCGCAGGCCGGGCATGGGTGGGGGCGCCGGGCCGTC	24872
TGGGGCCCCGTCACCGTCGAGGCTGCCTGGCTTGGTCTCAGGGTGGCTGGGCCCATC	24873
TTCTGGAAAGTGCGCTGAGCTGAGAGCTCGCTTCTCTTCCTGCTCAACGTGCACTGGGCCGGGTGT	24874
CGGCGGCGGGGGCGGGCCCGGGGGCGGGGGTCGCGGCCACGGCTGCCCCGCGCCCCCAGGCCGCCCGCGCCGCC	24875
AGCGAGCCGGGGCTGAATCACTCCGCGGGGGCAGGGGCGGCCCCAGAAGAGCCGTCGGCCTCGGAGGCTCC	24876
CAGGGGCCCCACGGGGGGACGCCAGGGAACGTGAGGAATCCGGAGTCAACACTGGGCCACTGTG	24877
AGCCAGGGTCAGGACAGACTGTGAGGGGGCCTCTTGTTGGGACAGCGTCCCCTCGGAGCAAGAGCCCCGGGGCGTG	24878

Table 2. Additional miRNA sequences

ACGAGGAGGTGGAGGAGAGGGAGAGGGCCCGCGGGCCTCGCCTCCGCCCTCCGCCACCTCGAGC	24879
GCGGCGGCCGCTGGTCGCGGGTCGCACCGTGAGGCTCGCGTGGGCGGCGATAGGCGCTG	24880
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AGTGAATCCCTAGTGGTCAGAGGGCTTATGATATATTGTGAGAGCCATGTCATAAGCCTTTTGGCCACTAGGGATTCAAT	24882
TAGTGGCCAAAAGGCTTATGACATGGCTCTCACAATATATCATAAGCCCTCTGACCACTAGG	24883
GGGATCCGCCCCCGCGCCGACACGCACTTCCGGCAGCGCCGCGGCCGGGAGGGACCGAGCGGGGAGCAAGGCCTGC	24884
CATGGCCGCCCCCGCTCGCACCGCCGCAGTGCACCGCGGTGGGGGTGGGGACGGCCCGAA	24885
TCTGCGAGCGCGCGCGCGGGGCCGCCGCCTGGCCGCTCCCCGAGCCCCGCTCGCCGGCC	24886
TGCGCGGAGGGCGAAAGTGGCCGGGGGCGCCCGCTCCGAGACGCGGCAGAGCCCCGCAGCCTCAGCGCCCGGCCTGCGCGCG	24887
GCCGCCTCCCCTCACGCCTCCTCCTCCCCGAGGAATCGGCGCTTCCGAAGGGACGGGCGGCGG	24888
GCGGGCCGGCGGTGGGCGGGGAGCGGGACGCCGGGAGCCCGGCGCCGCGCCAGCGCCGCCGCGGCACCGGTG	24889
GGGCAGCAATGGAAAACTAATACACTGGTAGAAACTAAGTGTTTAAGAAACCAATGTATTGGTTTTCTATTGCTGCCCTA	24890
CCGAGGGCCCGGGCCTGCCGCGGGCGCTCCCGGCCCGGGCCCCCGGCC	24891
GGTCCGTCTCTCACTGGCGCGCGGCCTTAGCACCCGGGGGGGCGGGAGGGGCTCAGGGCTGAGGGGCCTC	24892
CCGAGCCCGGCTGGAGCGGTCCAGGAAAGGCCGGACCTCACAGCGGGCCTCGCGG	24893
CGCAGCGCCAGCGCTCTCCCCGGATCGTGCGGGGCCTGAGCCTCTCCGCCGGC	24894
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GCGAGCCCGGGTGGGAGAAGCAGCTCGAAGAGCTGCTCCAGCTCGCGCCCCAGGGCCGTGC	24896
CCGGACGGAGGCGGAGCTCTGGCTGCTTCTGATCGCTGTCCCGGCAGATGCCCCAGCTCTGTTTCCTCTGGGT	24897
ACCTACTCAGAGTACATACTTCTTTATGTACCCATATGAACATACAATGCTATGGAATGTAAAGAAGTATGTATTTTTGGTAGGC	24898
ACAACATGTTTTTTGAGGACCACTTTTGAAAGGATTTAGGTAGTCCTTAAAAACATGTTGTGC	24899
AGCCTTCTGTTATGAGTTACTGTAGTTATCTAGAGAGATTTCCAGTAACTCATAACAGGAGACTAC	24900
GAGCGCGGGAGCTGGAGCGCTGTCAGCCGCGCTGAGCCTGCGCCTGGCGACCGCGATGC	24901
CCGCCGGACCGAGACTCGCGGCGGTGCGCTGCCCCCCGCGGGTTTCGTTTTCGGCACCTA	24902
AGTTCACCCCACTGATGAGTCTTCCTTCCCTGTTGGACTCAGTCATTTGGGGAACAGT	24903
TATCTGGGAGGGGAAAATTTATCAGCTCAATAGTATCCCATTGCCAGGGATTAATTT	24904
TTCCCCTACCCTCCCGCGCCCGGGCCCGGGCCCGGGCCTGGGGGCGGGGCGGGAAGA	24905
GGGGGGCGAGCGGGGCGCGGGGAGTCGCCGGCCACCGCCTCCCCACCTCCCTTTGCCTACGG	24906

Table 2. Additional miRNA sequences

GGGGCGGGACGCCCGCGGTTTCGCTTGAGTTGGGCGCCGGCGCTCCCACCGGGCTCACGGGCGGAGAGGGAGAGGCCCGCG	24907
TCTCCCCTCCATCGGTACCCCCCTCTACAGACCCGGGAGGGGGTGGCGGTGGCGGGGGGTTG	24908
CGGAGCTCCTCTCTGAGCGCCCCGCCCCCGGCCCGGAGGCCCAGGTGGCAGCGGGGGCGCGGAGGGCGCGTCGGGCCGGG	24909
GCGGGCCTGCGCCTCCCTCGGCTCCTGGCGCGGCCTCGGGGAGAGGGTGAGTGCGGTAGGGCATACCAGAGGGGGGCGGGCGCGCTT	24910
CGGGCCATCAGCAGTCCAATGAAGACATTGGGTCTTCATGTCTTCATTGGACTGCTGATGGCCTGTC	24911
GACGCGGGACGCGGGCGGGGAAGTACCCCGCTGAGCGCGACCTGCCCGGA	24912
GCCACACATGCAGGGCTACACACAGAGGCAGAGGCTACTGGTGTGTGTGTGTGTTTATGGTAGT	24913
GCAGAATGCAGTTGAGAAGACGGTTAAAGATGCTTTAGAAACTAACTGCTCCCCTTGTC	24914
GCCCGGCGGCGGAGGCGCTCCCACCCGCGGAGAGGGATGGAGCGCGTCTTGCGAGCGT	24915
AACGCTGCGACCTAGATGTATTCTTGGAGTCACCCAGAAAACCATCTGGACGCAGGGAC	24916
AACGCTGCGACCTAGATGTATTCTTGGAGTCACCCAGAAAACCATCTGGACGCAGGGAC	24917
GGCTCTTGGCCACCAAACAATCTGAACACAACAATTGTGGTGTCCCTAGCTAGGT	24918
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AGCTCCGGCGTGGGCGGGGCCCGGCATTGTGACGTCACGGGGCGGGGTTTCCCGGCGCCTGAGCGGACTGA	24920
TGCTGGGGCTGGGCAGCCGGGGACAGAGATGGCTCCTGACCCCTCCCCGCAGG	24921
GCTTGATGAAGGGTCCTTGGGCTGATGCAGGCCAAGAACTCATCACAGATGA	24922
GGCCGCTCTAGCCCGCGGTCCTCCGAGTTCGTGGCGGGCTGATGCGGGCTTGGGGCGGGCGG	24923
CGCAGAGGAGGAGGCAGGCGGCGGCCCCGGTGGCTCCCCCCCCGGACGGTGCGCGGCCCGGCCCGTCTCGCGAA	24924
GGTCCGCGCCTCCGCCGCTTTTTATAGCGGCCGCGGCGGCAGCGGTTGGAGGTTGTAGGACCGG	24925
GGGGGTCCTGGGGGCCGGGGTGGGCAGGGGTGACTTGGAGAGAGTGACTTGCGGGGGACACCCTCTCACCCGGCCCCTCGTGCCCCAGG	24926
GTGGAGGGGGCTGAGCGCAGGGCCAGGATGCTGGTCACTGGGTGGCCCTGTGAGCTCCCCTCCCTT	24927
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AGGGGAGGGAGCGCCTGGCGCATGGGGGCACAGGGTAGCCGGCACTGCTGACCTGCACTCTCTCCCCAGG	24929
CCCGCCGAGTACGCAGCTTTCGCCGCTCCCGCGCCCCCGCGTGCCGTGCGTGCCGTGCGTGAG	24930
CGCCCAGACCTAGGCCCTTCTCAGGGGTGCCCCGGGGGCGCGCGGGGGCGGGGGCGGCG	24931
TCTCCCGCCGTGGGGCTGTGATCAGGCTCAGCTTGGTCAGCAGCGGCCTGGTGGGGATT	24932
GCGGCTTTGCTGGGCGGGGCTTCCCTTGGGAGAGGTGGGGAGCCCCCCTCCAGAAAGGCCGTGT	24933
CCACACCCGGGGCCAGACCCTCGGGGCCATGCCTTGGTGGGGCCTGTGTCGGGCGTGGGG	24934
CGGCGGGCAGGTGGGCAGGGCCTCGCAGTCCAGCTTCCCCACCTTGTCTGCCTCC	24935
GGTGGGCGTGGTCTGGCAGGTGGGCAGGGCCAGGACGAGCACCCCAAGACTGCCCCCTTGTTCCCCCACTCCTGCAGA	24936

Table 2. Additional miRNA sequences

CCGGCGCAGGGCGGGGGCGGGCGTCCTCCAGGCCCTCACCGGGCGCCCGCCCTGTGCCCGCAGT	24937
CCCGGGAGGGCGGGGCTGGGCGGGGGTGTCACCGGGGTACCCACTCACGGCCCGTCTCGCCCCAGCC	24938
ACAGCGAGGAGGCGGGAGTGGGCCGAGGCTGATGGGCCTCCCCACCCCCGGGCTCCCGCAGG	24939
GCTCTGTGGGGCTCTGGCCGCCTGGCCTGGCCGGGACCATGGTGAGCTA	24940
TAAACTACACTCAGCTCGTCGACCTGCACGCCCGATACGCTGAGTGTGGTTTGCGGA	24941
AGTGGGGTTCTGGGGGGGGGGGTGCAGGCAGAAGGCCGCCATGCCTCCCCTCCCCCTTTCCACCCCAGTGA	24942
CGGCCACCCCTTGCTGGGGCGGGTGGCAGCCTGCGTCCCCCACCCCTGGCAGCGGGCGGATTGC	24943
GAGGGAGGCAGGGAGGGCAGGGTGAAGCCCCCCACCCTGCGGGCCCAGCCTGCCCCGGCCCCCCTACC	24944
TGGCGCCCCCGGTCTCCAGGGCCGCTTTCCCGGCCTTGGGGCTGGAGGTATCCACACA	24945
CGTGGGCGGTGCTGTGCGGGGGTCGTCACGTGGTGTGGGCGGTGCAGGGGCCACGGGACTCACCCGCTCTCCAGCCTGCGCC	24946
GGGGCCGCGGAGTGGGGCCAGGGCCGGTGCTGGCCACTGACCCACCCCGGTCACTGA	24947
GTGCTGGGATTACAAGTGTGAGCCACCGCGCCCAGCCTCATCTCAGCACT	24948
AGGGGCTCCTTCAGCACACAGCAGCGCGTTCCAGTTCACGGACCGCTCCTGTGTTCTGTGGACCCCACA	24949
GAGGCACCCTCAAGCAGTGGCACGTGCTGATAGGTAGGCGACAGCTTGATGGTGCGCACGC	24950
GCCGCATGGCTTTCGGCCGGCCGTTCAGGGACTGGCTGCCGGACGGCGACTGCGGCCT	24951
GGGGCAGGGGCGCCCGAGGCCGCCGCAGAGGCCGCTGGGAGGAGCCCGTTGAGGCCCTGCGCGGCCGGCGCGCTCATTCACCT	24952
GGGGGCAGGGGGGTGGGCGGAGGGTGGCAGTGCCCATCTAACCCACCCTCCTCCTGCCTGACCCCC	24953
ACAGCGCTGGGATCACAGCCTCCCCCCGCCCCGAGGTAGCGGGTGGTGGGAACGGGATTGGAATCCCGACTGTGG	24954
GGAGGAGGGGAAGGGCTGTGGGCATCCAGTGGGACCCCTCCCCATCTCCCTCCCCCTC	24955
GCCCGTGCCCGCCCGGCCGCCTCTGACCAGGGGCCAGTTCGAGGAGGCCCCGGGCCCACTGGCCC	24956
TGGGGCGGGGGCTGCGCAGGGGCAGGGAGGGGGCTGCCGCCCGCACGCCCGTGCGTCTGTCCTCCGCCGCAGA	24957
TGGCCCAGGTAGAGGGGTCCGCGCTGGCGGCGGCGGCTGTTCCCCGCGCGGAGCGGGGGTCCGG	24958
AGCGACCCTGCGGCGCGCCCGGAGCTGGCCTGTTTTTGCCGCCTGAGGCTCGCGGGGCCCGTGGGACCTGC	24959
TGACTTTCCTCTCCAGCCTTCCTCCCACTGTGGGACCCAGGGACCCTGGGGGCAGGAAGGCCACA	24960
GTCCCGGGTCTTGGTGGTGGAGGGGCTGGGCCGTGAGGTTTATGTGACATGGCCGGGGCCACCCTCCGTCCGCAGTGGAAGGGCACCA	24961
CCCCTCCCTCCTCCCGTGAGCGTCCGGCCTTGTGCATCCTGAGGCCCCGCGCTGGGCGGGCCTGGAGGGTCGGGCC	24962
ATCAGGGACTTGGGCGTGGGGGGCGGCCAAAGGCACCCAAGAGGCGGCTCTGCCACCCGGCCGTGTCCCTGCAGA	24963
GGGGGGCCGTCCTCGGGGCGCCAGATAGGTCCCCGGCGCGCGAGATCCGCCCCTTTGT	24964
GGACCAACGCGGGTTCTGGGGTGCACAGCGCCAGGTTAACGCTGAAGCCTGCCCCGCTGAGCCCAGGAGCCGG	24965
TCCTGGAGCTGGGCAGATGGGAACAGTCCATCCCCGGTGCTCTCCTCCAGCCT	24966
CGCAAGCGCAACCGTCGGTGGGTCGGGGATCGGTCGCCTGAGAGGTGAGTGAGGGGCA	24967

Table 2. Additional miRNA sequences

CGCGCTCACCTGCGCCGGTAGCGAAGAAATCGCCCCGGGACATGGTGAGTGTGGC	24968
GGGGCCGGGCGGGACCCCCGGGGCCCAGGCTCCCGTCCTGCGCCGCCCTCGC	24969
GGGTGGGGCTGCCCTGGGCACTGCAGGGTGCTGAGCAGTGTCCGAGGCCTCCACCCAC	24970
TCCTGCCCTTCCCCCATCAGTGATCCTATCCCACACTCTTTGGCGATGGTCAGTGAGCTGGGCAGGGGCGGGGGT	24971
CCCAGGGCTCCGCCTCTGCTGCTGAAGGTGTGCTCTGGGCTGCAGGGACGGGGCCCGTGGGCG	24972
CATGGGGTGCGGGAGCCGGGCGGGGTGACTGTGGCCTTGCCTCTCCCGTCCCTGTAGT	24973
CGTGGCCCGAGGGGCAGAGCTGGGCGTCACTTCGCAAGCGTCCTGCCCTGCCGGGGGCGCG	24974
TGGGGCGCGGAGCCCCCTTCGCCTCCATGCGGGGTGACCCCGGCTCTGCGTCCCAGG	24975
GCCACCATATCCAGCCTAGCATATCATTTTCACATGTCAAGAAATAGTATTCTTTGGCCAGGCGTGGTGGCTC	24976
GTGGGGGTGAGGGTGGGGGAGGCCCGTGCTTTCCCTGCTGAGCCTCCTCCCACCCCAGC	24977
CCCGCCGCCCCGCCCCTCTGCCCACGACCATTCCAGCCAGTGCGCGGGGACCCGGGCGGGCGGGTGGGGC	24978
CTGGGCGGGGATCGGGGGTCCCCGGCCCCACTGACCGTGCCCGCCCCGTGCCCCGTCCACAGG	24979
GGCCTGGAGCCCGGGCTCCCCTCGCCGGGGGCCGGTGGCGGTCCCGGCTTCCGGCTGC	24980
TCGTAGTCCCTCCGCCGTTTGCAGCCGGCAGGTGGCAAGCGGCTTGGACTACAAG	24981
GAGCTGACCAGGTGTGCAGGCCCCCGGGGCCTCCAGGCCGCACCTGGAGCAACA	24982
GGGCCGGCGGCGGCGCCTCTAGCCGGGGCCCATAGGGGGCGGGCCGGGAGCGGTCGGCGCCTACGCGAGCCCGG	24983
CACGGGGGCTGAGAGCAGAACCCCGAGCTGGACTCTGCTCCCTCCCCCCAGAA	24984
CTGGGGTGGGATTTAGCAGGGAGCGGGGGGGGCACCCAGCTGAGGGTCCCACCGCTGTCCCTGACCCCTAACCCCTGCA	24985
AGATTAGAGTGGCTGTGGTCTAGTGCTGTGTGGAAGACTAGTGATTTTGTTGTTCTGATGTACTACGACAACAAGTCACAGCCGGCCTCATAGCG	24986
CAGACTCCCTTCGAC	
CCCCCCACTGCTGGGCCGGCTTCCCAAGCCGGGTTCAACTTCAAGGGCAGGGGCTGGCGTGGGATCTGGCCCAGGAGGGCC	24987
TCGCTGCGCCGCCGCTCCGGGCGGACCGAGGGACGCGGGGAGCGGCTGCGGCGGGC	24988
AGGGTGCATGGTGTCGTTGTGGCCGAGCCAGGCTACCAAGTGACCTCTGACCCCGCTGTGCACCCACA	24989
GTGGGAGAGCAGCTGGGGATGCTGCCTTGGGAGCCCATGCTGCCCAGCACGTCCATCAGGTGGTCACGGAGCCA	24990
CCTGGCTTCCTGAGCACGCAGAGGAGGAGACGCTGAGCCGAGAACTGGAGCCCGAGCT	24991
ATGGGGTCTCGCTTGTTGCCCTGGCTGGTCTTTAACTCCTGGGCTTGAGTGATACTCCTGC	24992
CTGCACAGGGCAGTGGGGGCAAAGGGGAGCGTGCCAGGCAGTGCCCACCCACCCCCGCCGCCTGCGCAGG	24993
TACGGGAGGGAATTGGGGTGGCATGGCTCTGGGCCCCCAGCAGCCACACCTCGCTCTTCCCTCAGA	24994
CCAGAGGCCGCACAGCAGGAACCTCACATTGGATGTATCTGCTGTTGTCCCCTCAGG	24995
CCAGAGGCCGCACAGCAGGAACCTCACATTGGATGTATCTGCTGTTGTCCCCTCAGG	24996
TGGTGGGCGGGCAGGTGCAGGTGGGTGGGCTGCAGAGAGCGGGCCGGACTCACAGGCCCTCCCCTTCTCTGCCCACAGT	24997

Table 2. Additional miRNA sequences

GGGTGCAGGTGGGGGTGGAGGGCTGCAGACGTGGGGCCGCCCTGACCTCCAGCCTCTGTCGCCCACCGCCTGTCCA	24998
GTGGGTGGGGCAAGGAGGTGTGGGGGCTGCTCTGGCCTGATGCCCCACTCCTGCCTCACCCCAGC	24999
AGCGGGAAGCGGGGGCAGGTGTGCACCTGCAGCGGCAACCCTGGTGCTTCTGTCCCCTCCTCGCCCAG	25000
TGGGGGGCAGGGGGCGGTGGCAGAGGCCCCAGGGACCCTCCAACCCTCCCTCTCCTCCCAGC	25001
TGCACGGGTCCGCCCTGAGCGCTCAGTAGCACGGCGGTGGCGGCGCAGAGCATCAGGGCTGCCCCGGCCGT	25002
CGGGTGTTTGTGGTGGGGCTGCGGAGTCGCCGATCCCGCCGGAAGCGCCAGGA	25003
CGCCCCCAAGCTTTCTTCTCCCCATAGACTACAGTTTCGGGTGAAGAAGGAGGGCTGGGGCGGT	25004
CGCGGCCCCCTCCTCTGAGAGCCACAGTCAGGTCTGTCCTCAGGGGTCGAGGCGGCTGCGCT	25005
AGGCGCTGCGGCAGGAGGGAAGATGGCGGACGAGGAGAAGCTGCCGCCCCGGCTGGGAGAAGCGCATGA	25006
GGCGCTGCTCGGGGAGCGCGTGCTCAACGCGTCCGCCGAGGCTCAGCGCGCAG	25007
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CGCGGCCATGGCGCGCCGCGCGGCCTAGGCCGCATCCCGGAGCTGCAAC	25010
AGGCTCCGTTTTTCCGCTCGTCCTCCATGGCCGCGCGGGGCGGGGAGCGGAGTCCGAGCCAGC	25011
GGGGAGGCCGCGGCGATCTGGGCTCGGAAAAGAGACAGGGCCCTGACCTCCTCAA	25012
ACCACAGGGCGCTGGTGATGGAGAAGCCCACATCCTGGGCCCATCCCCGGGGCCAAATGCCTGAGGT	25013
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TGGGGGATGGCTGGGGCACGGAGCGAGGTTCCCTGCTAAGCTGCGCGCTTTCCCCCAGG	25015
GGGGCCGAGGGACCGGCTCGGGGGCGGGGGGGAAGTGTGCCTGACCGGTCTCTGTCCTCA	25016
GCGACCCCAGGGCGCCACTGCCATCCTGAGTTGGGTGCAGTCCCGGGATTCCGCCGC	25017
CCCAAGGTGTCTCCGCCGCAGCCTCTGTCGCGCCGTGACCTGTACAGGTCGCGGGAGTCGTAGGGAGGACGCCGGGACACCTGGAAGCC	25018
GCGGGGCCCGGCGCTTCGTCCAATCAGGGGCGCTGGGCGGGGCCTGCCGAGTGTCCATCGGGGAGGGCGAAGGCCCTGCTC	25019
AGGGGAAGGAGGGCTGGCTGAGTCCAAGGCCTGACTTCGGCGCTCTTCCCCCAGA	25020
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TCAAGTGATGGAGAGCAATACCCGGGGATGACTGTGACCACATTGGGATGTATTCGTACTGTCTGATGGGG	25022
GCCCCGGGGGAAGGAGCCCGGCCCTGTCTCCGTCACTCGGATCCTACGGGACCGTGCGCCCCGCCCTGGGTCC	25023
CTGGGTCCCTGGACCGCGTCCCGCGCCCCAACCATCCAACCCTGGAGATCTGGGGACGCGGGAAGGGTGGGACTCCTGG	25024
CAGGGACCCAGGAGCTGAAGGCAGGGTGCTCCGGCCGAGACTTGGAGTGCGCAGGC	25025
CGGGGGGAGGGTGGCGGAGGCCGGGTGTCTCGGAGGTGACGGCCGGTCCTCGCTCTCTCCCCCTGCA	25026

Table 2. Additional miRNA sequences

AGGGCAGGTGGGAGCTGGGGCAGGGGGCGGGCAGCCCTTACCAGGCCCTTGCATCCTCCCCCAGT	25027
ATCGGCTGGGGGCTGGGCCAAAGACCATCGGGGGGGTCCAGGAAAGTCGGGCAGGTCG	25028
GGGTGGGTGGGCTCTGCCCTGGCTGAGTGCCAGTGTCACAGCCCCACTCTCCCTC	25029
GCCCGAGCGCGGCCGCCGCCTGCCGGGCCTCCCCTCGCCGCGGCCGGCCGCGCTCCCGCCC	25030
TGGTAGCATGCACCTGTGGTCCCAGCTACTTGGGAGGCTAAGTAGCTGGGACCACAGCTGCATGCTACCACC	25031
GGCCCCCCTTTCCCCTCTCTCTGCAGGCCAGGAGGGCCTCCTTCCTGCCACGAGGGAGGGGAGTCGGGCCCC	25032
AGGGCAGGAGGGGCCGCCCTTTGGGCCATGGCACCAACCCGGCCCTCCTTGTCCACAGG	25033
GTCGGGGGATGGGGAGGGGCGTGGCCGGAGCGCAAAGCCCCGCCCCTCCGCGCCCCCCCCC	25034
GTCCTAGCAGTGTCACTGCGTGGGTTGGTTTGTGTAGAGAGGCGTGAGCGAGCCCGTTGTCCGGAGTGCACCTGCTGCCTGT	25035
GGCCGGCGGCTCGGGGCCCCCCGCAGCAGCAGCAGCAGCAGCAGCAGGCGGTGGCCAGGCCGGGCCGGGCGGCCAC	25036
GGGGGGAAGGGCACCTAGCTAGGACGTTTGATTTAGGACCTGGTTGGGGCCACTGACCCCTG	25037
CGGCCAGTGAGTGGGGTGGAGCGCGGCGGCCGCCCCCGGCCGGTCTCGGGCCCGCAGCCCGCCCGCCTGAGCCTCGGC	25038
GGGGGTGGGGTGGAGGGAGGCCAGGGGCCCCGTCTGGGCTGGCCTCTCCATCCCAGGCCCTGTCAC	25039
GGGTGTGGGCAGTGGGCGGGCCAAGGACAGTCCCGGGGGAGCTGCCGGGGGCAGTTGGCACCGTCCCCTGCGCCTACCCAC	25040
GGAGGGGGAGAGGGGGTCGGGCCGGACGGGGGCCTGACGGTCTCCTCTCCGTCTCTCCATCCCCAGCT	25041
CGGGCCGCGGGGACGGGGGCGGGTGGTGTCGTTCCAGCCGGGCCCCGGCCCCCTCCCCCACGGTCCAGA	25042
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TAGGGCCCAGCAAAGGGGGTGGACACTGAGCGCCCCTTCCCAGCCACCCCTTGCGCCGGGCCCGGC	25044
CGGCGGCCTGGCCAGGCGAGGCGGGAGCCGAGCAGGCCGGAGCGGCCGCG	25045
CAGCGGGTCGGCCGGGCCGCAGGAGGGGGTCATGGGTAAAGACTACTACCAGACGTTGGGCCTGGCCCGCGGCGCGTCGGACGAGGAG	25046
GGTTGAGGGGCCTGAAGGCTTTTATTTGACTGGTCCATAGGGTGGGGGGGTGCACCCCCTACAGGGCCACCTTGGGGTCCACTTCCCCGG	25047
TGACCTCAGGTGATCCGCCCGTAATCCCAGCACTTTGGGAGGCCAGGGCTGCGGATCACTTGAGGTCAGG	25048
CGGCCTTGGGCCCGTCCCGCGGCGGTGGCGGTGGTGGCGGCGGGCGGGGGGGTGGGG	25049
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GGGGCCGAGATGAGGGCAGTATGTGGACAGACACTGGGCACTACTGTCACTCTCTCGTCCCCCA	25051
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CTGCAGTGGATGGGAGAGGACACGGCTGGTGGGGATCGGGCTCAGCTGGGCCTTTCTGTCTCTGCAGG	25053
CCTGGCACTGAGAGGGCTCTCTTCCCGTTCAACAGAAGCAGCCCACTCTGAAGGCCAGACCC	25054
ATTGATGGCATCGAACCAGGTGCCAGGATGATGCCTGGCACCTGGTTTGATGCCATCATTCC	25055
ATTGATGGCATCGAACCAGGTGCCAGGATGATGCCTGGCACCTGGTTTGATGCCATCATTCC	25056

Table 2. Additional miRNA sequences

AATGATGGCATCAAACCAGGTGCCAGGCATCATCCTGGCACCTGGTTCGATGCCATCAATC	25057
TGTGGCATCCACCCAGGGTGGCCGTGAGTTCTTGACCTCCCTGCCGGGGGGTGCCACACAG	25058
TGTGGCATCCACCCAGGGTGGCCGTGAGTTCTTGACCTCCCTGCCGGGGGGTGCCACACAG	25059
GGCTCCCGGGGGGCACCTGCATACTCACCCGCCTGGGCCTGGGCCCCCGGTGAGCCTG	25060
GCGCGGGCCCGGGGGGCCCAGAGGACTCGCGTCCCGCCCCTGGGGCCCCGGCGGGGGGCGCGCGGGC	25061
GCCCCGCTGAGTTGGCCGCAGCCCCCCGGGCGAGCGGCGGCCAGGCCAGAGGACGC	25062
CCCCCCGCCCCGCCCCGCGAATGGAACGCTGTGTGTCAAACCGGCCGCAGCGCGAGGCCGGCGCGCGGGGTCGGTGGCGGTGGCG	25063
CGGGCCGGCGGGAGGGACGGGGGCCGAGCGCTGGGCCGCGGGGCCTGACCCTCCCCCGCCTCCCTCTGCCCCTCCCCCCGCACCCCCG	25064
GGGCGGGGGGCAGCTGGGAGGCGAGAGGGCGGCCCCAGCGTCTGCAGCCTGCAGCCTCCTCTCTGCCACCCCT	25065
TGAGGCAGGAGTTCAGGCTGCGGGACACCCCTGCAGCCTGGCTTCGCGCCTCCGT	25066
ACTCGGGAGCCTGAGGCACGAGAATTGCTTGAACCTCGGAGCCTGAGGTTGCTGTGAGC	25067
TGGCTGGAGGAGCTGGGGTGTCACCTGGCCCCTCCTCTAATCTGCCCCATCCCAGTCCTCCACCTTA	25068
CCCAGGGTGGGATGAGGCTTGGGAAAAATAGAAGCAGCCCTCTTGGCCTCACCCTCTCTAGC	25069
AGGAGGGAGGTGGGGGGTTGGGGAGGCTGCCTGGGCACCCTCCCTTATGGTTCCTTCCTCCAGG	25070
GTGTGTGTGTGTGTGTGTGTGGGCCGCACGTGGCATTGCCCAGAGGCATGTACACACACAACCGTTACCT	25071
GATGCAGGGTGAGGCAGGGAGGCTCCAGCTGAGCCTCCTCCCTCATCTTGCAGA	25072
CTCCGGCTCCGCCCCGCCCCTCACCCGTCGGGAGCGCCCCCTGGCGGCGCGAGGACGGCGGCGGCGCGCAGCA	25073
GGGGGGTAGGAGGCGGCGCGCGGCCGCAGGCTTGAGCGCTGCCGCCACCTGCTCACTCAG	25074
GTGGGGTGGGAGGGACACTGGGTGAGCCGCCTGGCTGACTGCTCACAGCTGCCCTTGTCCCCAGAT	25075
AGCGGGTCAGGCAGGGCCAGTCACAGACACAGCTCTGTGCTGACTGCCCGCCTTGCCCACAGCTCG	25076
AGCGGGTCAGGCAGGGCCAGTCACAGACACAGCTCTGTGCTGACTGCCCGCCTTGCCCACAGCTCG	25077
GCGGGGGAGGGGCCCGCAGCGCTTTTCTCCGGAGGTCGCGCGCCCGAGAGCCCGCGCTGTCCGCCGCCGCTGCCT	25078
CGGCGGAGCCTACGGTCCCTGCAGTGCCTGCTGCTGAGGAGGCCACCGAAGCTCGGGGACGCGAGGAGCCGGCGTG	25079
GCGCAGACCCAGGGGCGCGGGCTTCATGCCCCAGCCGTGCCCCCTGTCCCG	25080
CCCGCCGCCCCCCCCGGGGCCGGGCCGGGGGCGGGGCCGGGCGGGGC	25081
TGACGGGCAGGCATGGGGGCTGGAGTGGCTGACCCTGCCTCCCCGTGTCTGCCTGTGTC	25082
CTGCAGTGTTCAGTGACTGTGAACAGCCAGCGCAGCCAGCATGTGAAGGTGGCTGTGTCACGGAGGCCTGAGACTGCCAGGC	25083
CTCAGAGCCAAGGGGAAGCTGACCTCTAACTCAGTCTCTTCCCCTCTCTGCC	25084
CCTCAGAAACGCACCTGTTCCTGTAAACAGCAACCAGGTCAGGATTGTTGCTGGGCCC	25085
CCTCAGAAACGCACCTGTTCCTGTAAACAGCAACCAGGTCAGGATTGTTGCTGGGCCC	25086
CGGGGCGCGCTCGGGCGGCGGGGGTGCGCGTGCGCGCCGGGGCGCTGACCCTGGGCGGGGAGGAGCC	25087

Table 2. Additional miRNA sequences

AGGGGTGGGCACTGGGTCCAGCTGTCAAGGGCGCTCTGGTCACTACTGTCTCCACCCCACA	25088
GCGACTGTGGGGGGTCTGGGACCCGAGTCCCCCAGGCGCAGCTCGACCCTTGGTCCCCTCGGTCGCCG	25089
TCTGCTCCTGGCTGGCTCGCCAAGAAATGTGGGACACAGAGGACTAGAGA	25090
CGCACGGGGGTCGGCAGCAGGAAGCCCGCGGGGACAGCCTTCCCTGACGCTCGCCCGCGCCGACCTCTGAGCGGA	25091
TAGGTAGGATAGTCAACATGTCCCTAATTGGCTGGGGGGACATGTTGACTCTCCTACCTGGG	25092
TAGGTAGGATAGTCAACATGTCCCTAATTGGCTGGGGGACATGTTGACTCTCCTACCTGGG	25093
GTATGGCAGCAGTGTTTTTTGGAGAATCTCAGAGGGATATTTCAGAGGGCTGAGGACTAGACTG	25094
ACTCTGTCACACCCTGGTTGGAGTGCAGCTTGTGCGATCAGCAGTGAGCCATGATTGCACATCTGCACTACAGCCTGGGTGTGACAGTGTGA	25095
GGGCTGTAGCCGAGGGTTCCGCCGGCGCCCGCCCTCTCGGTAGACCCTCGCCCGC	25096
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ACCCTTGCCCTCGGGCCTGCGAGACCCAGAGTGCAGGCCCGTGGACAAGGACAGA	25098
ACCTGGACGGCAGGCTGGAGCCCCTGTACGAGCGCGTCGGGGCGCCGGCTGCGGCCGCTGGT	25099
CCGCCTGCGGGGCGTTCCGTTCGCAGAAACTCTGTGAGGGACGCCGCGGGGGCTTCC	25100
GGTGGGGAGCGGTAAGGGTAAGGGGGCGGTGGCACCCCAGTACCCACTTGCCCTGCCTTCCTCTCTCCGCAGC	25101
CCGATCGCGCCGGGGGCCGAAGAGGAACGCCGCCCCGCGCCCTCTCGCTC	25102
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GCCATGTTGGGTCTGAAGCGGCTGCTGTAGGCGCCGACGGAGCGAGCGGGCGT	25104
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TCCCTCCTGTGCCCCTGGCAGCCACGACAAGGGACCCGAGGCGGAGGAGGGCGT	25106
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ACGGGATGGAGGAACAGAGAAAGCTAAGGGTAGCCTCTGCCCCTCCTACTCCCCAGG	25108
CAGCCCTCCCTTTCCCCGCCTCGTATAGACACCCCCAACATCGTGGTGCCCCCAGAGGTGGTGGCAGGCACGGAGGT	25109
TGGGGGGAGTGCAGTGGCAGGAGGGAGAGTGTCCATAAAAACACCATCCTGACTCAGCTCTGGCTCTGCTGTCTCCCCAGG	25110
CAGGGCCCTTGTCACCTGCATGCCCACATCCACCCTGAACATGAGGGTGGGGGTGAGATGCTCTGGGAGGGGGCTAGGGAG	25111
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CCCAGCAGTGAGTCGCAGCCATGTTCCTGGTTAACTCGTTCTTGAAGGGCGGCGGCGGCGGCGGGG	25114
TAGTACCTGGCACATAGTAAATGCTGTGTCAATGTTAACCATTTACTGTTGCTACTATTACTAGT	25115
CGGGCGCTCGCCCTCCGCCTCCTCCACCAGGCCCGGGAGGAGGGGGAGGGGAGCGCCTCGCT	25116
GCTCCGCTCGCGCCGCAGCCCCAAGAATGAATCGTAGCGCGCTGGGCGGCAGAGCGGGCGGCGCAG	25117

Table 2. Additional miRNA sequences

CAGGGCCGGGGAGCGGCCGCGCAGGTGCCTGCCCTTTGCGCCTGCGCCCAGCTCGCCCTGCCTAGC	25118
ACAGTCCCATTCCTCCACTCTGTATCTATGCAAAGCACTCTCTGCAGTCCTCCGGGGTGGGTGGGTGGGCAGGGAG	25119
CAAGACTGACAACGCCGGCGACCAGCACGGAGGCGGCGGCGGTGGCGGTGGAGGAG	25120
AGGCTGCTGCCCCGGGCGGAGAAGCGGCGTCGGCGGCTGGAGCAGAGGCAGCAGCCGGA	25121
TGCTGGGGGCGGGGGAGGGAGCGGTGGCGCAGCCTGGGCGGAGGCTCCCAAGCTCACGCCCCTCCCCGCAGG	25122
AGGTAGGGGAGGGGGTGGCCTGGCTGCGCTGACCGCCTACCGACCCCTCTCGACCTGC	25123
CTGGAACATGGCAGAGGGCATACTACTAGGGGTTAACCTCCTGCCCTTTCTCATGTCCCC	25124
CCCTCCCCGGGGGCGCGGGGCGCCGTCGGAGCCGACGCCGTCCGCGCCCCCCCGCTCGGTGGGGGAC	25125
GGCAGGTGGGTGGGGCTGGGGCCTGACCTCCTCTCCCCACCCCTTCCTCCTGCAGC	25126
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GGAGGGAGCCAGGGTGGGGAGGCTGAGGACTCCTGGGTGCTCCTTGACGCCCTCACCCTGCCCTCAGA	25146
GCCCCCCCGCCGGCCGTCCCGGCGGCCATTGCTCCAAGATGGCGGGCGGCGGCAGCGGGTGAGGCCGG	25147

Table 2. Additional miRNA sequences

CCAACCCAGCAGTCCTTCCCTCAGCTGCCTAGGAGGAAGGGACCCAGCTGGGTCTGGGCC	25148
CTTCCCCTCCCCGCCCCCCGCCCCGAGGGAGAGCCGCGGCGCGGCAGGAGGAGGTGGAGGAG	25149
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GAGCCCTGATCCGGATGCTGGGGCGCGGGGGAGCTGAAGGGATCCGCGCTCCCAGACCGCCGGTCCGGCTGGG	25151
CCGCCTCCCCAGGAGTCCACATTCCAGGAGCTGTGCGAGGGGGCTGCTGGAGGAGTCGGATGGTGAGGGGGA	25152
TCCTTCGAGACCGGTTCAAGAGCTTCCAGAGGAGGAATATGATCGAGCCTCGAGAG	25153
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TGAGGGAGGTGGGGTGGGGTGAGGACTTGGAAGTCTGAGTTCTGTCCACCTTGCTTCTTCAGG	25155
GACGGCCTCTCAGTGGCTCCCGGAGGACCCGGCGGGCCCAGTGTTGGAGGTGAGGAGG	25156
ACAGAGTTGCGCTTGCTGCCGCTGGTGGAGGAGGTGCAGGACGCTCGGCGC	25157
GGAGGGGCGGTGGGGGGATGACGTGGTGGTGACGTCTCCCTCCCCTGCTCCCAGC	25158
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GGCGCCCAGGGGGGCGGGGAGGGGGTCCGACCCTCCTGACGCCCCCAGCCCTCC	25160
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CTGGCGGGCGGGGCCTCGGGTGGGCTGCTGCGGGCTCACCCCCTCCCTGCCTCCTCC	25162
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CGGGGCTGTCCAGGGGAGCGCTGCGGGCTTGGCTGCAGCCTGACCCCATGTCCCCCCAGG	25164
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GGGCGGGAGCCTGGCGCAGCCGGCAGACCGCCAGCAGATGGAGGCGCTCACTCGGTACCTGCGCGGCGGCTCGCTCCCTA	25167
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GGCCCATGGCCCTATCATCAGCAAGATGGAGGTAGAGCTGAGGATCGAGGCCATGGGCTACCGG	25170
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ACCAAGTGATATTCATTGTCTACCTGAGCTAGAATACAAGTAGTTGGCGTCTTCAGAGACACTTGTATGCTAGCTCAGGTAGATATTGAATGAAA	25172
AA	
CCACTACGCCCTGATGTCCCTTTTAAAAAGTACTATGGGCCAGGCGTGGTGGCT	25173
TCATGCTGTGGCCCTCCAGAGGGAAGCGCTTTCTGTTGTCTGAAAGAAAACAAAGCGCTCCCCTTTAGAGGTTTACGGTTTGA	25174
GGGGCGGGGGGCGGGGCCGGGGGTGGCCTCGAGGCTCCCGTCTGACCGTCCCCGCCCAGG	25175

Table 2. Additional miRNA sequences

GGCGGGGGGCGCGGGCGGCAGTGGCGGGAGCGGCCCCTCGGCCATCCTCCGTCTGCCCAGTTACCGCTTCCGCTACCGCCGGCGCTCCCGCT	25176
CCGGGGCAACACATTGAGACTCCATCTCTACAAATTCTTGAGATGGAGTCTCCCTCTGTTGCCCCGCTCGCT	25177
GGAGGGGATGGGGTGGGAGGGGACGGTGGCCCCCGGGGTCCTGGGACCCGCTGAGATTCCTCTCCCTCCTCCGCTCAGC	25178
GTGGCTGAGAGCCCTAAGAAGAAGCGGTGGGAGGCCGCTAGCAGCCTTCACCCTCCTAGAGGGGCAGGCTCGGCGACAA	25179
GCGGGGTGGGAGAGGTGGGGTCTGCGTGCGGGCCGGGCCGCTCCTCCCCTGCCCCAGCAC	25180
AGCGCCGCGCCCGCACCGTCCGCTTCGAGCGCGCCGCCGAGTTCCTGGCGGCCTGTGCGGGCGGCGACCTGGACGAGGCGCGTC	25181
TGTGGGGCTGTGCTGGGCTATGCTGGAGTGGGGTCCTGCCCAACTCCCTCCAGCCCTAACCTCCGCACCCCCACAGG	25182
GGGGCTGGGGCGGGCGGGGGCAGGCGGCAGGGGAGGGCGGCCTGACACATCCTGACTCACCCTCCCTGCCTGCCT	25183
CTGCGGGGACCACTTGCACCATCTGGGAGGCTGGAGCCCCCGGGGAGCCCCCGCGGGG	25184
GGAGGGGGGGGGTGCAGGGGGGCACCTGCAGCACCTGCTTCCAGCTGCACCTGTGCCTCCCCCTTCCCC	25185
CGGCTGGGGGAGGGTGGGGGCAGGGCTGGCTGGGGGCTTCTCCCCACTCCCGCCCCCCCCCTTATCCCCC	25186
CGGCGGCTCCCCTCCCCCGCCCGGCTCTCCGCGCCCCTTCTGGGCGGCGGGGCGGCGGAGCCGTCGGC	25187
CGTGCAGGTGTGTGACTGGCTGTGAGCCTGTCCCTGAGTGTCACAGCGTCTGCACCTGCTCACT	25188
CCTGCCTCATCACAATTGCCCCCACAAAGATAGTGCAATTGTGTTTGTGGCCCACAC	25189
TGGACCTGCGGAGGGCGGCGGTGACCACTGGGCCTCACTCCGCTAACCCAGGTCCGCA	25190
TGGCTCCTGAGGGTACCTCAGCCCCAGGTGGTGGCCCGGGAACCCTGGATGACAGTGCCACC	25191
ATGAGGCCCGCAGCATCCGCGACCTGGCCAGCCACCGCGGCCTGCTGCGGCAGGGCATCGTGC	25192
GGTGGGGGGGGGTGGGGGTCAACACAGCCACCTTTGTGCTGTCCCCTGGTCTCCTCCGCAGC	25193
GGGAGCGGGGGCTGAAGCCCTGGGCCCGGCAGAGGAAGGTCGAGATGGACCATGTTGGGCCCCTTCTCTCCCCGCCCCCA	25194
CCCTCCCCGGCCAGCTCCCGAGCCTCCCGCGCAGCCCGCCCGCCAGGATGGGTGGGGAGAAGAGGCAGGGAGTGGAGGAGGAGGTGA	25195
GGGCTGCGCGGGCGCGGGGAGGCGCGGGGCGGCAAACTGCGGGCACACCCGGCACCCCGCAGCCAGT	25196
AACTGCCTGAAGTCAACCAACAGAGTCTTGTCTATTGGTTGACTTCGGGTCAGGAAA	25197
CGGGCAGGGGAGGGGAGGCAGGGAAAGCGAAGCCGCTCCTCACTCACACGCGTCTCCCCGCA	25198
CCCCATGGGAATCAGGTCGAGGCAGGGCCCTGCTTTGACCTCTCCCCATGCTGCT	25199
AATCCTCACTTTGAATCCATGTTGGAAACTCCATAGCAACATGGAGTTCAGGTGAGGATTAAA	25200
AATCCTCACTTTGAATCCATGTTGGAAACTCCATAGCAACATGGAGTTCAGGTGAGGATTAAA	25201
TGGTCGTCCTTGCGGGCCCGGGCGGGAGATGTCCGTTCCTCGGGCGGGTCGGGCGGCCGGC	25202
GCGAGCGAGGCTCACCGTCCCCGGCGTGCAGGATCCGGGGCTGCTGAGCGCTCGCTCCCGCGT	25203
CACCTGGCCCTGGAGGGAAGCCCTGGGAAGGCTGGCTAGGCTGCCTCCTGGGCTGCCTCCTGGGGCTGCAGCCGGTC	25204
AGGGCGGGGGACGCGGTGACGCGGGCACTGCCGGGTCCCGTGACTGCGCGCCCCGCCGGA	25205

Table 2. Additional miRNA sequences

CGGCGGCCAGGACCTGGGTCTCCCTCCGGCGCCGCATCCGAGGCGCTCCAGCCCGGCCCGGCTCTTACCTCCGGCGCG	25206
GCCCGCGAGCTCCGACAGTGCGCCCGGGACAGCGCGCCCCCAGCCCGCCGGGCCT	25207
CGCATGTGAAGCCACAGGATGACCGTGGAGTTGGCATTTCCTTTCATCCTGTGTCCTCCATGTATTC	25208
CGCATGTGAAGCCACAGGATGACCGTGGAGTTGGCATTTCCTTTCATCCTGTGTCCTCCATGTATTC	25209
GGATTGTGGGGGGTCGCTCTAGGCACCGCAGCACTGTGCTGGGGATGTTGCAGCTGCCTGGGAGTGACTTCACACAGTCCTC	25210
TTTTGTGTCTTTTGCCTTTTTAAAGGAATTGTTAACATTGGAATTGAGGGTATGTACAGAGAA	25211
GGGCCGGGCGGAGGAGGGCGGTGGGTGGTGCTGAAGGGACAGCTCCGCGGCGGCGGCGGCGGCGGCGGCCCCG	25212
GCCGTCCCACGGGCCAGCCCCGCCGTGGCCGTGGCCGTGGCTGGCCCGTGGGGCGAGGA	25213
GCCGTCCCACGGGCCAGCCCCGCCGTGGCCGTGGCCGTGGCTGGCCCGTGGGGCGAGGA	25214
TCCTGGGGTCTCGCCTGAGACGGGGCACCTAGCCCTGGGCGAGCGCCGCACCCGG	25215
AAAGCTATAAGATCTCTGTGTCTGTCTGTATACACAAACAGACACAGAGATCTTATAGCTATG	25216
CCGGAAAGCACCTCGGTGCCCCGCGACCCTCCGAACAGAGGCGGCGGGAGGTACCAGCTGCTACCACCGCTGCC	25217
TCAGCCACCGCACCAGGCCAGTTCATTAGAATTTTTAAAACAGGCTGGGCATGGTGGCTTACG	25218
TGGTGATTTTGAACGTAGCTATCCACCACTCAGCCTGGAAAAAGCTGAGTGATTGATAGCTATGTTCAAAATCACCA	25219
AGCCAGTGCTGTGGCATTGGAGACTACGGAGAGAGTCTTCTCTACCAGCACTGCATGA	25220
CACGTGAAACCCTGTCTCTTAAAAAAAAAAAAAAAAAAATTTAGCTAGGCATGGTTGCATGTGCCTGTAG	25221
GCGCCCCTTCCTCCCTCCCTCCCCGTCCCGTCCTGGGGCCGGAGGGCGGGGGGCCGGGGCGC	25222
GCTGCTGGTGCGCGGCAGCGCGGACGGCGCCTTCCTCGACCCGAGGCCGCTGACCGTCGTGGCCGTGGCCAACGT	25223
GCGCGAGGGCAGCAACCGCACCAGGGGCTGTGGCGCCGGCGACGGACCAGCGACCCAAGCGCCG	25224
AAAAGTAGTTGCTGGTTTTGTTACTACTTTTAAATTAAAACCAGCAGTTACTTTTGC	25225
TGTCCCCATCCCAGATGGCTCCTGTCACAGTTTGGCTGCCCTCTCTGATGGAGACCAG	25226
AGTGGCCAAAGTACAAACATTTGCCCTGGTTCTTTGAGTCTCAGGAAGTTGCACAGGAACCAGGGCAAATGTTTGTACTCCGGCCGCTGC	25227
AGTGGCCAAAGTACAAACATTTGCCCTGGTTCTTTGAGTCTCAGGAAGTTGCACAGGAACCAGGGCAAATGTTTGTACTCCGGCCGCTGC	25228
ACCCCATCTCCCACCACACATGAATCTTCAGGCATGTGTGGTGGGAGATGC	25229
CGTTGTTGGCGCACGAGGCCGACGAGCAGGCCGCGCACGGGGCCCCCGGCGCCAGCAGGTCCTCGGCGCCCCCGGTGCCGTACAGCAGA	25230
CTGGCGCCGGGGGCCCCGTGCGCGGCCTGCTCGTCGGCCTCGTGCGCCAACA	25231

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Table 2. Additional miRNA sequences

GGGTTTAGAGGTCTCTGTTGCTGCCCTGGGAGCAACAGAAACCTCTAAACCCGA	25232
GCTCCAGTAACATCTTAAAGTAAATATGCACCAAAATTACTTTTGGTAAATACAGTTTTGGTGCATATTTACTTTAGGATGTTACTGGAGCTCCCA	25233
TTGGTGCAGAAGTAATTGTAGTTTTGTCATTACTTTTAATTGCAAAAGCCACAATTACTTTTGCACCAGC	25234
CCCTGACCACCAGTATAGCATAGTGACAGATTTGAGAGATGCTCTGATTTCAGTGTTCTTTAAAAGGTGGTGTG	25235
AGAGCCCGTGTGGACCCCGCCAGCCCCGGCTCCCGCCGCGCCCCCCTCCACC	25236
CGGCGCGACCGCTCTCGGCTTTGGGGACCGGATGGAGGAGCGGCGTGTCGGC	25237
AGTATAATTATTACATAGTTTTTGATGTCGCAGATACTGCATCAGGAACTGATTGGATAAGAATCAGTCACCATCAGTTCCTAATGCATTGCCTTC AGCATCTAAACAAG	25238
GCGCGAGTTTGATCGGGGCGCGCGGCAGCGTTCTCTTTGCTTCCCCCGGACTCGGCCGGC	25239
GGTCCCTGGCGGCTCCTGTAGCGTCCCCAGTTACGGCGCCCATAGCAACCGGCTCCCTAGCTAGGCGCCCCCGGGTTGCCAGGGGCCGC	25240
TGCCCAGGATGGAGTGCAGTGAACTGTGATCATACCACTGCACTCCAGCCTGGGCAAC	25241
AGTGGCTCCCACCTCCCGCGTCCTAGAGATGGGGAGGCGAGGAGAGAGGGAGCAGGCTGA	25242
TGAGCAACACAGTGAGACTCCTTTTTTTTTTTTTTTTTTGAGACGGAGTCTCACTCTGTTGCCCAGG	25243
GCCGAGCAGGCGGTGCTGCCGCCCGCCGCCGCTCGCCCCGCCGCGGCCGCCCCTGCTCCTGCT	25244
CCAGCCTCAGTCTCTGTATCCTGAGATTTTGCCAGATAGGTTATAGAAACTGAGGCTCTTC	25245
CGCCCGACCCCGCAGGACGCGTGTGCCGGCCACAAGCGCGTGCACAGGCACTCACGCGCCGCGGGGCCCCTCGGGCGGC	25246
CAGAGGAGGGTGGAGCAAGTGGTCTTTCTGATGCCTGTGCGTGCTGCCATTTGCCTTCTCTTTCCCCAGG	25247
CAGAGGAGGGTGGAGCAAGTGGTCTTTCTGATGCCTGTGCGTGCTGCCATTTGCCTTCTCTTTCCCCAGG	25248
CGGGGCCTGGGTGGGAAGAGTCACAGGTACAGAGGCTCCTGTGACATTCACACTCTGCCCCTGC	25249
GGGGTGGGGTCGGTGGGGGTGCTGGAGGCGGGGGCGCAGGCCTAGGCTCAGTGCGCCAACCCCTAGATTTATACCCACACCCACACTCATG	25250
GCACCGTCGTCCTGTCGTCCGCGGGGCGGGGACGCGGCGGCGGCGGCGGCGGTGGCGGCTGTGTGT	25251
CCCCGCGGGGTCTCGCCAGCCCGTGGCCCGGAGCCTGGAAATATTTATTCCGAGAGGCTCCCGAGCGCGGGGTGGGGGTGTGGGGGT	25252
TGTGCTGACGCGGCTGGCAGAGCATCTGGGTGAGGCTGAGGTAGCTGCTGAGCTGGGC	25253
GCCGCCTCTCCGAGCTCTTGTGACGCGGACCTCAGTGCCAGGATGGCTCGGGGCGAGCGGCGG	25254
TCCCTCTCAGCTTCTCTCCTGCGTTCGTGGGAATCCAAAGTCCAGAGGGGGCTGAGGTGGGAGG	25255
TGGCTATTCTAGCAGTGAAGTTGCTAGCAGTCATGGACAACTTCACTGCTAGCATAGCCAGC	25256
AAAAGTAATTGCGGCATTTGCCATTCAAAGTAATGGCCAGAACTGCAGTTACTTTTGC	25257
AAGGGTTTGGGTCTGAGCTGTATAGTATGTCAAACTGCCAGTAAGCCAGCCCCTCACCCTCTGA	25258
AGCCTTGGAGCGGGGCAAAGGTACCCCTTAGTGCCGTTGATCTCCAGGGGCA	25259

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Table 2. Additional miRNA sequences

CGGCGCCTCTCAGGCGGGCGGGCACTGCGGCCCGGCCCAGGATGGGGCGTCGCG	25260
CGGCCGCGCCCGTCGCAGGCACACCCGAACGTCGCGAGCGGGGCCTGGGGACGCGGGGGCCGAG	25261
ATCCCATGTTGAACTGAACATTTCTTCCCTTTAGCAGAAACAAGCCTTGTTTCTGAGAGCTGAAGAAATGTTCAGTTCTACATGGGATAT	25262
CCTCTCCGCCACCTCCACCGCGGCTTATCCCCTGGCTGGCGGCGTTGGCGGGGCGGGGACAGTA	25263
ACTTCTGCCTGTCCTGCCCAAATCGTGGAGCAGATTCGAGGGGCAGGGCATAAGTGG	25264
ACTTCTGCCTGTCCTGCCCAAATCGTGGAGCAGATTCGAGGGCAGGGCATAAGTGG	25265
CACTGCTTCCTGCCATCTGTCCCGAGTGATGGAAATAGAGCCAGTGACAGCAAGCAGTGC	25266
TTGCAGATGAAAAATATCTAGGTAAATCACCTCACTGTGCCTTGATTTCCTCATCTGTAAGATG	25267
GTTCCTCGCACTGCCTCCTCCTCCGAAACACCAGCCCTCTGGCGGAGGGGCGGTGGGGGGACCG	25268
ATGGGCGGGCGGGGGGGCCGCGGCAGGGAAATCCGATCCCACAACATCGGCCTCCCTCCAAGCCCGCCCCAAA	25269
CCCTCCGGGTGTCCAGCAGCCCCGGGGCTCGGAGTCGCGGGCTGCGCCACAGCGCCTGGAGGGAG	25270
AAAAGCAATTGCGGTTTTTGCCGCAATTACAAGTAATGGCGAAAACCGCAATTGCCTTTGC	25271
GGGGAGGGGAGGGCAGCGGCGCCGCGTCGGGAGCCGCCGCTCCCGGTCCTCCCGCC	25272
CTGAGACTGGGGGAGAGTAGCAGGGCCCTCTGCCTGACAGCCCTGCCCCTCTCTCATGTCCAGG	25273
CTCCGCCGGCAGCCGCGGGAGCACGGCGACGCCAGCGGCGGGTGAGGGGGCTCGCGGCGGCAGCGGCGCGGGAGGGGGGCG	25274
TAAAGTCTTTGTTGTCCCCCACCCCACCCTTTGTTTGTGGGGGACAAACAAAGACTTTACA	25275
TGTTTCATGCTTCTAGCCTCATTAAACCATCATTAAGGAATTTTTCTTATTGGCCTTGTGCAGTAGGTATACAACAG	25276
GCTCCGCCGCGGTCGCAGCCAGGACACTGGGGCCGGCGCGGCGGGACCG	25277
GAGTGACAGCGTGAGGCTGGGAGGGAGGACTTGGCTTGAGCTTGTTAAACTCTGCTCTGAGCCTCCTTGTCGCCTG	25278
CGGGGCTAGCTGCGCCTGCTGCGCTCCGCGGGCTCTCAGAGCGCTGGGCACCGGCCGGGCTGTGGTCCCCGCG	25279
GTGCTCATTTAAGTAGTCTGATGCCTACTACTGATGACATACAATGTAAGTGCTCATTTAGGCGTCAGACTACCTAAATGAGCAC	25280
CGGAGGGCGGCTGAGGGCTGCTGAGGGTACGCGCAGCGGCCTCTCGTCGCCCTGCACG	25281
CTTGTAAGGTAGAAAGCACTATGGTTTGAAATGAAGCTCCAGATTCTCCCATTTTAAAATCAAAGTGTGCACATTTTCAGGATA	25282
GGGTCGGCGCGGCGGCGGCAGCGGCGGCGGCGGCGGGCAGGGGCGGCGGTGCTGACGGCG	25283
GCCCGGGAAGCAGAAGGAACGTGGGCTGGTAAGCAACAGACCTTCTGCTTCCCGGGCTG	25284
AGGGCCCTGCAGTGACGGCGCCCCGGCCCCACACTCGCCTCCCGGGCCCCAC	25285
TTCGGGCTCCCCTCGGGCAGAGGCGTGTAGTGTAGCCCTGTGTCCAGCAGGAGCCCGGCACCT	25286
CCTCCCCGCGCCCCCGGCCCGGCAGCTCGGCCCGCCGGCGAGCGCAGGCGGGG	25287
ACTGCCGGTCCCCAACCCCAAGAGGGACGGAAAGTTCTTGGGGTAGAAGCCGGCGGGAC	25288

Table 2. Additional miRNA sequences

GGGCCCGGACGCAGCCACGCCGCCACCCGAGCGCTGGGGGTCGGGGCTCCG	25289
ATGCGCGGGGCAGGTGAGGCTGCGCGGGGCGGAGCCTGTGGCCCTGGCGCGGCTCTGGGTCCGTCTCGTCGCGTCC	25290
CCGGCCGGGGGCGGGGCCGGCGCTGGCGAGCAGCGACCCCGGCTCGGGGAGGCGGGCGCGGCCGGCCGACCTCCCCCGCGGCCGCGA	25291
GGAGTGTTGCAGTCGTACATTCGCGCGCCGCCGGGGGAGCGCGGGGGTGGCGCGGTGCAGGCGCAGAGACACACGTA	25292
CGCGGAGGGCAAGCCGGGGGCGGGGCCGGGGCCTCCGCGGCCATAGCTGACTGTGCC	25293
CCGGGGAGCCGGGATGGGGGTCACCGCCCCCGGGGAGCCGGGATGGGGGTCACCGCCCCCGGGGAGCCCGGAT	25294
ACCAGAAGGTCCAGGGTCCAGGCATGGGAAGCATTCTCTGACAATACCGAGCCCTCGGGACCTCCTGAAA	25295
ACCAGAAGGTCCAGGGTCCAGGCATGGGAAGCATTCTCTGACAATACCGAGCCCTCGGGACCTCCTGAAA	25296
TGGTATCTGGAAAATAGCTTCACAAGTTGGGACCAAGGTTAAAACTGCTGAGGACAACAGTAATACCCCA	25297
CGGCGGCGGCGGCGACTCCCGGGCGGCCTCAGCCTGAGCCTCAGTCCGGGCGCCAGCGGCAGCAGCG	25298
CGCCGGCCCCGCGGCTGCCCAGCAGCATGAGGTGGTGCTGGCGGCTCCCGGGTCGTGGCG	25299
CCCGCCCCGGCCGGCAGGGAGGATGTGAGCTCACTCCCGCCTCCATGTTCCCGGAGTCGCCTGGAAGCGTCCG	25300
GCGCCGGCCTGGTTTGCAGCTCCCAAACAATGGCCACACATTGTCGCAGCCGCACACCGGCCGCCGCCGGCGAGT	25301
GGCGACAGGCCGAGAGTTCGTCTCAAAAAAAATTTTTTTCTTTTTTTTTTTTTTTTTTTTTTGAGACGGAGTCTCGCCCTGTCGCCCA	25302
CGGCCGCTGGGCGCAGCGTTCGGGGGGTTGCACGGCCCGCGGCGGCGACGAAAACAACGACCAGGACGCTCGGCGCCCCTGTCCGCA	25303
GGCGGGCGGCGGGGCGGGGCTGGGGCCGGGTTGGGGGCGCGGCACCAGCACCAGCTGCCCGCGCC	25304
CTCATCCCCTGCTGTCAGGTCCTGACCCAACAAGGGCCTGGGCTGCTCATGGGGATGA	25305
GCGGTGCCTGCTCTGCGGACTTTTGTGGTGTCCCCAAGTACCGTGGTCGCAGGTGCTGCCT	25306
TGCCACCGCCTTGTCCAAGATGGCGGACCTCCACCGCCAGCTGCAGGAGTACCTGGCGCA	25307
CCCAGCGGCGAGGGCGCGAGGTCCTCACACGGGCAGCACCTTGGCGAGGCCGGCGCCGCGGCCCAGGCGA	25308
AGACATGTTCAGCAACTAGCAGAGTCCCCATTTCGACTCCTTGACCTATGCAGTGAGGTCTAT	25309
ATGCTCCCATGACCATGGCAGGTACTGTCACAATCTGCATGGAATTATGAGGCTACCTGCCAGGGTCATGGGAGCATTA	25310
AAGGCCGGAGGGAGGGAGTCGGGGGTGGGAGCCGTCTGAGGGCAGACGGGGGTCTCTGACAGCCACCTTTCCCCGCCAGT	25311
GGCGGACGTGGCGGCGCTCAGGGAGGCTCGCCCAGGGCCCGTGCGCGTTCCAGA	25312
GCGGCAGCGCCCCCGGGCCCGCGGCCCCCTCCCCTCCGGCGAGGGGAGCCGCTGGATGGGGCCGGTCGGGGGGGCGGCCC	25313
CCCGCCCCTTCCCCCTCCCCCTGCGGCCCTGTGTAGTCACGCGTTGGGTGGCGTGGGGAAGGGGGGCT	25314
TCCCTCAGGTGCCCGAGGTCGAGTGGTGGTGTGGTTCCCACCCCCAGCGCCCCCTCCTCCGGTCACCGCCG	25315
TGTGAGGTTGTCATGCCTGCTATTACTACAGCTATGCCAGCAGGCATGACAACCTCATACT	25316
CCCTGCGAACCCCCAGCACCATGCTCCCGGCTGCGTGGCCCAGCAGGGCAC	25317
GCGCTTGGGAAGCCGCCACCGCCGCCGCTGCTGCATGGCACTAGGCTCCCGGCGGGG	25318

Table 2. Additional miRNA sequences

ACTTTCCTCAGTTTGGCTGTTTATGACAATTATATATTCTGGTCGGACTGGGGAAGAAG	25319
TACTGAGTTGTGAAATACTGTGGAGAATGTGAGGAGGGGTGGGGTGATCAGATCATTCTGTAGAAGTAATGTTTACACTG	25320
AGCAGCTGGATACAGAAATGCTCATTAGTTTTAAGAGGGTTAATCCTTTTAACTTTTGCATATTGATATGCCAATTATGCC	25321
CCGAGGCAGGCGCTGGGACGCAGCGCCCACCCGGCCTCCCGGCCTCCGCAGCCCCAGCCCGCGCCTCGCGG	25322
ACTGAGGAAGGAGGTGGAGGAGGCGGCGGGAGTCCTCCCCCCCTCCCCGCCCCGCCCCGCCGC	25323
CGATGATGTAAGTATATATGGCTGTTTTAAAATCTCACAGTGATGCAGATATCACTTCCAAAGCTTTTCCATCTACTTACACTCAGAATGC	25324
AGGGTTTGCCTGGGACTGTCCTGTGTCCTGGGAAACACTGAAGTCCCAGGCAAACCAGGA	25325
TGGTCCCTTTCCGTGTAAACTTCCGGCTGAAAGGGAAGGACATGGTGGTGGACATCC	25326
TCACTAGATTTGGGGATTGACACCCTGGAGCCCTTGGACAGTGTGTCAATTCCCAAATCTAGTGATAAAG	25327
CCCCCTCAGTCCAGGCCGAGAGCCAGATGGGGGTCACGTGGCCGCGGGGCCCCCCGGGCGCAGGGTCCTCGGCACAGCTGACGGGTGCG	25328
GGGGTCGGCCCCGCCTGGCCAGCCGCCCCGTCTGGGAGGGAGGTGGGGGGATCGGCCCCGC	25329
TGCCATGTGACGGGCAAGGCGGCCCCTTTCCCCAGCGCGGCCAGAGGGAGAGGAACCGGGGCTCGCCGCGAGCCTTCGAGAGCAGC	25330
CGCACGGCCCGGCGACGGGGGGAGTTCCCGCGAGTGGCCTCGCGCCCAGACCGTGCGGG	25331
GCGCTTCCGGCACCGGCCGAGGTGCGGGTCGCCTCCAGAGGTGCGTGGTCGTGGCGCGA	25332
GCCGCGGCGGCCGTCGGGGGCCAGCAGCCGTCACAGCCCGAGCTGCCCGCGCCGGGGCTGGCCCTAGACAAGGCGGGCCA	25333
TCGCCACCATCCCCCACCCCAGGGTCTGGCGGAGAAGCCCCGGGGCGGGGGGGCGGGGGGG	25334
TGAGAGGATGAGGGGAAGGATTTCTTCAGAACAATGTCTTTTGATGACCATTCTTCTTTTTCTCTCTAGA	25335
TGCGCATTAGATTCTCAGAGGAGCAAGAATCCTAAAGTGAACTGTGCATGCGAGCTCCTTATGAGAATCTAATGCCTGA	25336
ATCCCCCCACCCGCCGGGGGCTGACGCAAGAAGCTCGCGGTCCGGGGGGCGGGAAGG	25337
TCGCCACCTCTAACCAGTGACAACTGTCAAGATGTAATGAAAGTCGTCATTGGTTAGAGGTGGCGAGA	25338
AACGCCTGCCACGCGTCGGAACTCGGCCGCGGGACATCCACGGGGGCGCGAGTGACACGCGGGAGGGAGAGCAGTGT	25339
ATACACCTGATCCCATGAGAAGTGCTATCATATCACAGCCAACGTGGTCTCATGGGATCAGGTGTATAT	25340
CTTGTCAAACTCTTTAAAAATTCCCTGTTGGCATTGTGGCATGATTGATAATGCCAGGAGGGAGTTTTTAAAGAGTTTGACAAGTA	25341
TGGATCTGGTATCTGTGGGGGTTTCTGGATACCTCCACAGATAGCAGATCCACA	25342
GAGGCTGAAGCATGGAGGTTGCAGTGAGCCGAGTTCATGCCCCTGCATTCCAGCTTGGCCTACA	25343
CTGCTGTTGGATGAGGCTGAGGTCGGAGCGGCTGAGTTCCGCTCTGGCGGCCGCGGGGACCAGCCGCGCT	25344
ATTTATGTATAGGCCTTTAGATCATCTGATGTTGAATACTCTTTAAGTGATCTAAAGGCCTACATATAAA	25345
ACACCAGCTTCCTCTTGTTGCTCTTAACATGTGGAAGCCACCAGAGGAAGCTGGTGTCC	25346

Table 2. Additional miRNA sequences

TTGCCCTCTGCCTCAGGGTCAGAGAACAGCTGCCTTCAGCTATTCTCCCCCAAAGGTATGCAGAG	25347
CCCTGGGCAGCGCCTTTGTTTTCCCGACTCCAGTTACGTTTGCGGAAGTGCTGCCAGCACGGGG	25348
CCGGGCGGCACCGCGAGGCCCACTGGGGCGGGCGCTCCCTTTTCTCGCTTTGGGGTCTCCCGGGC	25349
CCGCCGCCGGGCGGGGGCGGGGGCGGCCGCTGGGCCCGGGGCTCGGCCCCTTCCCGCCGCCCCCTCCGCGGAATCCGGAGGACGGCC	25350
TCAACATGTCATCTTTCATATAAAGGTTCACTTTTCTCAGAAGTGAAACTAACTTCTATATGAAAGATGACACGTGTTGACT	25351
CACGTGTCATCTTTCATATAGAAGTTAGTTTCACTTCTGAGAAAAGTGAACCTTTATATGAAAGATGACATGTTGACTGA	25352
CACGTGTCATCTTTCATATAGAAGTTAGTTTCACTTCTGAGAAAAGTGAACCTTTATATGAAAGATGACATGTTGACTGA	25353
TGGGAGGCAATACATGAACCTGGTACAAAGGTTCATGTATTGCCTCCCAGT	25354
CGCGGGCCACGCGCGGCGGCGACTTGGGCTGGGCGGTCGCCCTGCCCCACCGCCCTTCGGCGCTCGCAGGTCCGCTCC	25355
AGGGAGCCAGTAATGAGGCAGAGGGAACAAGTTCCATCCCATGCCTCAGAGGTGGCTCTCACA	25356
CAAGCTTCCTGATCGAGGGAGAGCCATCAGACCTGCCTGGGAGGGGATGTGGCTTTGGCTTTTCAGGAAGCCCTTC	25357
TCGGCACTTAAAATCCATACCGTGGCTTCTCTCTATGGTATGGAGTGAAACGTGCCAACA	25358
CGAGGCTAGGCGAGCCGGGAAAGGGGGCGCCGCCCAGCCCCGAGCCCCGCGCCCCGTGCCCCGAGCCCGGA	25359
CGGCGACCAGCCCGAGCCCAGCCGTCCCGGGAGCTGGCGCGAGTGTCGCCACG	25360
ACCCCGCCTCCGCCTGGGCACGGGGCAGGGACCCGCGCGAGGCGGTGCCGGGGAGG	25361
ACCCCGCCTCCGCCTGGGCACGGGGCAGGGACCCGCGCGAGGCGGTGCCGGGGAGG	25362
CCCGGGCGGGGCGGGAGAGGGCAGCCAGCCTGCGGCCGTGAGTCCGCTGTGGTC	25363
AGACCGCGGCAGGGTTCCGTCCCCCCGAGCCGCACGGAGCTGCGGGCAGCGGGCGGACTGTTAAACCGCGGCGGC	25364
ATCTGTATCTACCTAGGTAGAGCAATAATAGATTTATAATAGATCTACCAGGGTAGATACAGATGT	25365
CGGCAGGAAGGGAGGCGACGCCCCCTGGAGCGCGGCAGGAACCCGGCCCGGCCCGCCTCCCAGTCCGCCTAG	25366
AGCCCCTCCCTCCACCAACAGCCCTCTAGGTGTGCTGAAGCGGGGGGGGGGGGGCCCA	25367
CCCCGCGACGAGCCCCTCGCACAAACCGGACCTGAGCGTTTTGTTCGTTCGGCTCGCGTGAGGC	25368
CTCACAGCTGCCAGTGTCATTTTTGTGATCTGCAGCTAGTATTCTCACTCCAGTTGCATAGTCACAAAAGTGATCATTGGCAGGTGTGGC	25369
TGGGGAGGGGTTACTGCTCCTGCAACAGCAGCCTCTAGTAGCTCCTCTCCCGCC	25370
TGCCGAGCGCAAGAACCCTGCGCAGCCCAGAGCAGCTGCTGGAGGGGAATCGAGGCGCGGCTCC	25371
AGGTGGGATGAGAGAGGGAGGGCTCAAGGGAAACAAGGCGCACCGTCCTCTGAGCTCCTTCTCTACCCATCCCACCACA	25372
GGTGGGATGGGTAGAGAAGGAGCTCAGAGGACGGTGCGCCTTGTTTCCCTTGAGCCCTCCCTCTCTCATCCCACC	25373
CGCTGCCATCGCCGGGGTCCGGGGAGGGCGCCCCGGTCTTCCTCACGGGGCCTCGATCCCAGTGGG	25374

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Table 2. Additional miRNA sequences

GAAGCCAGGCTGTTAGGCTAGTGGTCAGAGACACAGACACTAGCCTGACAGCCTCGCTTCCA	25375
GAGACAGAATTTTATATTTTCCTCTAGGTTGTCTAGGGGACAATATAAGATTCTGTCCCCT	25376
GCGGAGAGGGGCGGGGCGCGGGGCGGGGCTCGGCCCGGAATGTAGAGACCCGGGCGGGGAGCCTCCCGGCGGGCTGCCCGGCTG	25377
TCCCAGCCACTGAGCATGCCCAGCGCCTCGACTGCTGAGTGCCCAGCCAGCATCCTGCAGTGCCTGGGAGC	25378
TGCAGACCGCGTGCGCCGGCAGTGGCTCTAAGGGGGCCGCGAGGGCACAGCGGGGCAGG	25379
CTGCTGTCCTTTGAAATAAATAAAACATTTTTATTTATTTCAAAGGACAGCTGGAA	25380
AGGCAGTGCCCGAAGGCCAGAGAGTTGGAATTCGGGACCTTCTCTGGAAAGGGCTTGGCTGCCACAA	25381
CAGGGTCAGCATTCGTGGGTCTCCATGGTCCTAGCGGTGCCCACGTTATCTGCCCTTGC	25382
TGGGCAGGGAGGCACAGGATGACCCGGATGAGTTACCACCCTGTCCTGTGTCTCCATTTCCCCTTCAGC	25383
CGCCTAGTGCTGCACGACCCCCTCGGGACCGACCCGGGGTCTGGCCTCTGGGGGGCTCCGCGGCGCTTCGCCCG	25384
GCCTGGCACAGCGGCGGCAGCCGCGGACGTGGGTTGGCGGCCGCGGAGACAGGCTC	25385
GGGCAGCAGCATGGGGCTCTCAGAGGGTGGAGGGCTAGGGCCTGATGCTGCTGCTGTG	25386
AGAGCAGAGCAGAGCCCTGGAGCGGACCTCACCCCCCTGGGCCTCGCGCTGATCAGC	25387
CCCGGCCCCCAGTGACGCCCAGGCTCGCCTCCTGCCTGGGTTCCAGGGGGGCTGCACC	25388
CCGCCCCCGCCCCCGCCCAGGCGCGGGGACCACCCTCCGCCCCGCCGAGGCGGGGGGCCCAG	25389
CGAGCTGGCTGATGGTACCCTGCCTGGCAGTAGGGGCCAGCAAGGTGCCAGTGGGCC	25390
AGGTGCTCTCATGGCAGGATGCACTGGGGATGGAAAGCAGCTGCCACCTGTCATGGACATGCACCTCC	25391
GCGCCCGGCCTCCTGCTGGAGCTGGCTTCAGAGCCTTGCCCGTGGACGGTCACCTTGT	25392
CGCCAGTGGGCCGGACGGGGCCTGGCCAGGCAGGAGCAGGCCCCGTGCAGCCCGCGCCGC	25393
GGGCTGCGGGGCGGGCGGGCGGGTCCGGGAGCGCGCTGCCGGCTCACCGCCCTTCCCGCCCGCG	25394
CCGCGGGGCAGCGGAGGGCGCCGGCACTCCGGTCCCCGCCGCTCCCCGTCCCC	25395
TCCCAGAGGGGAGAAGTTTCCAACGGTAGTCATTGCTGGAGGGCACAGAACTACTGCTGGAATCTTCTCCCCTTTGGGACA	25396
CTGAGGCTGGCCCTGGGTGGCCCAGATGCACCAGGGGGCCCACTGGGGGCAGACCTGGCA	25397
AGTCCTCTGGGTGGTTATGAGCCTCCAGGCGCATGCTGTCCAGTGGACAGA	25398
AGTCCTCTGGGTGGTTATGAGCCTCCAGGCGCATGCTGTCCAGTGGACAGA	25399
GCCCCGGGCCATCTGGACGGCGAGCGCGAGCGCGGTTTGAAGTGGTTGGGGGGCT	25400
AGCTCCAGGCAGTCAGCTCCACGTGCCTTCCTGCCACTGGGGCTGCCACTGGCTGGAGCCTC	25401
CGGGCGGCGGCGGCCGGCTCTAGCCCTGCTCCGGCGCTCCGGCGCCGCATCTCCTCAGCCTGCGCCGCCACCCGCC	25402
ACGGGTGTGTTCCCGGGGGGCCGTGGGGGGCACCCAGCAGGCACTCAACCCTCAGGCTGCGCCTCCTGGTCCCCCGGGCTAGGGCACACGCTTCC	25403
GCCGGGAACCCGGGCCTGGCCGGGCTTTGGGCTCCGGACCCTGGTCTTCCCGACGC	25404

Table 2. Additional miRNA sequences

GCACCAACGGTGGAGGTACGGGCGAGGCGGCCCCGCGGCGCCCAGCTTCTGCCGGTCCCA	25405
CGGAGGAGCAGCTGGCGCGCGCGGGAGTCACGCTGTGCGTCAACGTCTCCCGCCAGC	25406
TGGGGGCGGCCCAGGGGCTGGGGTGCAACAGCGGCCCAGCCCTGACCTGCCCCCTGC	25407
CCGGGGGCGGCGGAGCCCAGGGCTATCCCGGCCTCCGCTCATACCCGGAG	25408
CGCGGGACGCGGGAGCCCCCGACGGCGGCGCCCGCGCTCCCCGCACCCCGCCTGGCC	25409
TGGTGGCAGAAGTTCCGGCTTCGCTCCAAGAAGAGGCGGGAGCTTCTGCAGGGGCTAGC	25410
GCGGGCAGTTGGGAGCAGGCGACGCCGAGTCTGGCGGCTGCTGCTTGCGACTGCGGAGGC	25411
CGGGCCCGCTGCGGGCGCCTGCGCCTCCATCTTGCCGTACGGCGCGGACGCCGCGGGCCGGCC	25412
CGACGCGAGCCCCCGGGGCGCCCTGCGGGCGGCATGGGGTCGTGTCGTGGGA	25413
TGGCCCAGGGGTCGCTGACAGGTGCGGAGGGGAGACGCCCACCTGGGTGCCCTGGGCCGCA	25414
TCGGCGGCTCTGGGCCTGCGGCGGGCGCTGCGGGTTGGAGCTCGGGACGTG	25415
GGAGGGGGGACGGCGCTGCAGCTCGTCACGTGACCGCGTGGAACACGCGCGCGCGTCCGCGGGGATC	25416
CGTGAGCCACCCCGCCCTGCCAACAACCCAAGTTTGCCTGGCGCAGTGGCTCTGCC	25417
CTGGCTGCCCTGGAGCCCCACGTGTACGAGTGGACGGCCGGGCAGCAGGGCAGCGTCA	25418
GGGCGGCGGGATCCACAGCGTCGAGCCGCTGGGGACGGGTTAGGAGCGCGCCCTGCGAGCCCGGCGCGCCTGC	25419
GACGCGCCGAGGTACTAGGCAGAGCCGTGGAACCGCCGCCAGGTCGCTGTTGGTCCACGCCGCCCGT	25420
GCAGCGCCCGAAGTCTCGCTGACGCCGCAAGCGGGCGAGGCAGGGTGAAACTGGCACGG	25421
CTCTGCAGCTGCGCGGGCGGGCGGTGGTTGCCGGGGACGCGCGGCCCCCGGTCGGGCACTGCAGGCGGC	25422
GCGCTGAGCCGCCTGGGCGCGGGGACCCCGTGCAGGCCCCGGGCCCCTCTGGTGCTGCCAGCGCGC	25423
GCTGGGGCGGCAAGGTGACAGGTGTGCAGCCCTGTAGCCTTTCCTGCTCCAGCCT	25424
GAAGTTCCAGGAGAGGGAGGGTGCCATGCCACACAGGCCCTCACCTGGGGCTCTG	25425
CGCTCCGCCTCTGGGCGGGGACCCGCCGAGCTCCTCCCCGGGCCCGCCCCGCGGGAGCCGGGGAAGCTAG	25426
CGCTTCTCCAGGCGGTGGCAACGGCCGCAAGGCTGCAGCCCCCCTCGGAGAAGCTCA	25427
GAGCGCTGGCGAGGCACGGACGGCGGGCGCCCGGTACCTCTGCCCGCGGTCCT	25428
CCAAGGGCAAGGTGCCAGCAAATCTCATGTCTGCTGAGGGCCCACTTCTTGGT	25429
TCTTGTGGGACAGAAACTGAAAAATAAATGTATGCACAAGAATTATTTTTCAGTTTCTATCCCACAAGGGT	25430
GGTTGTCGGGATCCGCGGCAGCAGCGGCTGCTTGAGATCTGTTTCTGGGGCCTCTGGCGGTGGCGGCCTGGGGGCGGCGCGACGGCTGG	25431
CTGAGGATACTTAACTATGGAATTTTTTTAAAAAACATTCTAGAGCTAGGGTTGGTTATA	25432
TCCCTGTGTGCAGTCCTTCAACCCTTCTGTGCCAGGGGAAGAGGGACGGCGCAGGGGGGCCCCCT	25433
CGCAGGTCCCGGCCGCTCTTTATCCCGAGTCGCGGGCGGCTGCGGAGTCGCGGGCGGTCGGGCGGCGGC	25434
AGCCTCAGCTTTGCCAGATCCTTGCACGGGTCATGGAGGAGGCTCCTGGACCCGTGCAAGGATCTGGCAAAGCTGAGGTCCA	25435

Table 2. Additional miRNA sequences

GAGTCCGGCCCAGGGCAGGTGGGATGCACCCATGTCGTGGGGGCTGGTGGGCTC	25436
TGAGTGGTGGCCAGGCCCTGTTGGGGGAAGAGAGTTGGGAGTCTGATGGTTAATTCCCCCAGTGCTGGTCAGGCCCCATGTTGG	25437
GTCGCGCCGTGCCCGGGGCCCGGGGCTTGACGGCTCCAGCCTGGCGCGTGGGGCCCTACCG	25438
TGCTCACCTGGTGCAGGGCACAGCATTTGTGACAGTTCCCTGTTCTCTGTGTTTGCAGC	25439
CCGGCGGTACGGGGGGTGGTGCCGCGCTCCTGGCCCCCGCGCGGGCGGAGGCGCCTCCCAGGTGAGCCGGCC	25440
AGCGAGGGTTCCGCCGGCCACCGCGGTGGTGGCCGAGCGCGGCTCGTCGCCTA	25441
AGCGAGGGTTCCGCCGGCCACCGCGGTGGTGGCCGAGCGCGGCTCGTCGCCTA	25442
CCCGGGCCCGGCGCCTGGCTCCAGCAAGTCTGGGCCGCCTCCCCGCGCCCCGCGGGGG	25443
GGCGAAGGTCGGGAGGGGTGGGGGCGGGGCCGGCTGCCTTGACCCCGCCCCGCGCCGGCCTTGACCCCGCCCACC	25444
CGCGGGGCCCGCCCCCCTACCTTGGTCATGCCCATTGCCCATGATCCCGGGGGCGGCGTCCGGGTG	25445
TCCCCCTCCCCCCTCCGCGGCCCGGGCCCGGGGGTGAGGGGGCCGCGAGGGAGGGAGGCGGGAGC	25446
AGACCCACTGGCTATGTGACCTGGCCCTGCAGGTCCAACTGTCAATGGGTCTAAC	25447
CGGCTGCTCTCGCGCTTCCGGTCCCCGGGGAAGGCTCCCCGCGAAGCCGGCCCCGCCGAGGAGCAGCCGCG	25448
TGGAGGGACCAGGGTTTCCAGAGATGCTCACCTTGTCTCTGCAGCCCTGGAGCCCCCTGT	25449
TGGAGGGACCAGGGTTTCCAGAGATGCTCACCTTGTCTCTGCAGCCCTGGAGCCCCCTGT	25450
CGCGGCGCACTGGGTGTGGGCCGGGGCGCCTGCGGTGTGGCGAAGAGCAGCAGGTCAGGGTCGCAGGGGCCGGCGGGCGCCGCGGG	25451
GCGGCGGCGGCGGCGCGGGCCCATGGCGGCAGGCCTCGGCGAGGGCTCGATCCCGCTCCGCCCCCCGGCCGCCGCTGCC	25452
CGCCGGAGCCGACCCGAGCCGAGCCGAGCCGGAGCGGGCGGCGAAGGCCGGCGCG	25453
GGTAGAGGTGAGGATGGGCCAGGGCTCACCCAACCCCACCTCGGCCCCCA	25454
GCCTGAGGGGACGGAGGCCGGGATACTTGGGAAAGGATCCGCCGGCCTTGAACTCCCGCCTCCGCCGCCCCTAGGCCT	25455
TCCGGGAAGCCGTTCGGGCTGGGGCTGTCGGCCGCGGGGCGGAGGCACTCGCGCGGGGGGTAATTCGGGGT	25456
GGCGGTCCAGGCGCCGCCGCTGGGAGCTGGGCACCTGGCCTGGGCGGTGGGTGGCGGCGGCGGGGGTGTCCC	25457
TGGCGCCCGACGCGCGGCCAGCCCCCGCCCCCGGCCTCGGAGCCCAGC	25458
TGTGGTGGCTCGCATCTGTGGTCCTAGTGACTAGCTGTGGACCACAGATGGGAGCCACCACACCTGACT	25459
TGTGGTGGCTCGCATCTGTGGTCCTAGTGACTAGCTGTGGACCACAGATGGGAGCCACCACACCTGACT	25460
TGGTGGCTCCCATCTGTGGTCCACAGCTAGTCACTAGGACCACAGATGCGAGCCACCACA	25461
CGGAAGTCAGCCCGCGGCTCGGACTCCGGCGGGACCTGCTCGGAGGAATGGCGCCGCCGGGTGAGGAGTTGCGCG	25462
GCTGCGCCCGCGCCCGCCTCTCCAGCCTACGCTGGATGGGCGGGGCGGGGCAGGGGGTG	25463
GCAGCGACTGGCATCTGAGTTCCCTGCTGAGAAGCTCGCAGCCGTGGGGCTGCAG	25464
CGGAGGGCGGCGGCGGCGGCGGCAGCGGCGTCAGAGCAGCTACGCGAAGCTGGCGCGGCGCCCCCCACCCGTGCGCA	25465

Table 2. Additional miRNA sequences

AGAGCTACTCGGAGCACCGTCCCGGGCCGGCCTCGGCCCCGAGGCTCCGGGGGGCTCAGGATTCC	25466
AAGCGCGGGCGGGCGGCGGGCGGGAAGAGGGAGGGATGGGCCCGCGCGTCGCCGCTCCCACCTGCCCGCACCCGC	25467
CCTGTGGTGTGAGGCGCGTGTTCGGGCTCTTGCCGTCCCCGCACCCGCACCGCGGTTA	25468
CAGCCACCGTGCCTGGCCTAGAGTTTTATATAAATAGTCTTATAGGCCGGGCATGGTGGCTCAC	25469
GGGCCCGCCCCGCCTTGGGTCGCGTCGTCTCCCGACGCCTCCTGCCTGGGCCGGGCCTGG	25470
CCACCGCCCCGGGATCTCCTTGCGCTCGGTCCTCTACGTGGAGTCACCTATGCAGAGGAATTCCACGGGGCGGGGGCG	25471
CCCCGCCTCCCACGCCCTGGATCGTCACTTCCGGCGCGAGAGGCCGGGCAGGGAGTGCGGGTCGGTT	25472
AAACCTAGTCAGATTAGTTCTCCCTGGTGAGCCTTGGGGACAACTAATCTGACTGGGTTT	25473
ACTCAACCCTGTCACCTAGGCACTAATATGTAAATGTAGATAATAGTGCCTAAGTGATAGGGTTGCTTGAGTGT	25474
GGTAGGCGGAAGTAGCCGCAGGCATGGCGGCGGCTATGCCGCTTGCTCGTCCTGTTGCTCCTGGGGCCCG	25475
GGTAGGCGGAAGTAGCCGCAGGCATGGCGGCGGCTATGCCGCTTGCTCGTCCTGTTGCTCCTGGGGCCCG	25476
TGGTGAGGTGGGGGGCAGGGGGAGGGGCAGGGAAGCAGAGGCCCTGACCCACTGTCTGTGCCTTCCAGG	25477
GCCGCCATTGCCTCGTGCCCGCCGGTCGGTTGGTGGCGCCTTTGTCCTACGGCGGGCAGGTGGGCCGACGCGGAGGCGGCAG	25478
GCAGATCCCGGGTGGGGAGCCCGCTTCCCTTCTCCAGCCCCCGGCCCCCCAGCCTCTGGGAGTGCGC	25479
CTCCTACGGTATGTCCTAGATGAGTGGTGCACCGGGCGCGTAGTTATTCCTGGGAAAAAAGACGCAGGAGCG	25480
CGCCCGCCGCGCCGGGAGCCCGGCCCGGCTGAGCCCGGCCGCGCCCCGTCCGGG	25481
ATGGAGAGGAAAGGGCGGGCAATCCGCAGGCTCGCGTTAGGCCGCGCCTCAGTTGCCCTCAGCCCTCA	25482
GGCTAGAGCCCGACGGGGCCCCGGCTCCGGCGGCAGCCCGCGCCTCTCGCTTGCTTC	25483
GGCCTCCTCCTCATCGGCCGCCGTTGCGCGGCGCAGAGCGGCAGCAAGATGGCGGCGCAACAGCGGGGACTGC	25484
TTCGCTGGCGCAGCGCGGGTCGTCCCCGGTGCTGGGGCTGTCCGGGGCGGGACGTCGAGCGAAGCGAGGCC	25485
CTCCTTCCGCTTGCAGTCCGCGGGCTCGAAGCCCGGCTCCGCCTTGAGCTCGGCGGGCGGCGGCGGCGGG	25486
GGAGCTGAACTGCTAACTGGAATGGTCACCCAGTTCTCAATTCAACTCAGA	25487
GGAGCTGAACTGCTAACTGGAATGGTCACCCAGTTCTCAATTCAACTCAGA	25488
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ACCCCCAGAGATTGCACGCTCTGGTACCTGATGCAGAGCTTACAATCCTTGGGGGTCA	25490
ACCCCCAGAGATTGCACGCTCTGGTACCTGATGCAGAGCTTACAATCCTTGGGGGTCA	25491
CGCGCCCCGTGACTCCCTCGGGGTGCCCAAAAAATCTGTCCCCGGGGAGTCTTGGGGCGCCTGC	25492
AAGGGGAGGAGAGTGGTTGCTGCCCTCAGCCGGCTTGAGGACAGAGCCTGTCCCTCTCATGA	25493
CTCTGGACCTGCTCTCCCCTGGTTAGTGTTTCGGATGGACAGGGGGTGGGAGGTTCAGCAGGC	25494
CCCGCCGCGCCGGGCTCCGTCCTTCCAGCACTGGGGCGGAGGCCGCGGGCAGGAAGGTG	25495
GTCGGGATCGGCTGGGGGCGTCAGGGGCCGCCCCGGAGTCGGGATCGGCTGGGGCGGCAGGGGCTGCCCCGGAGTCGGGATCGGCTG	25496

Table 2. Additional miRNA sequences

TAAGAGCGGCGGCGGCGGCAGCGGCGGCAGCTCCCGCAGCTCCTGCTCTGGTC	25497
CACTGCCAGTGGAGATGGGCGTCACTACTGCTACCTCATTTCACCTGCGCTGTGG	25498
CTCCGGGATGGGCACTCTGCTCATGAACAAGATTAGAGAGGAGTACCCGGACCGGATC	25499
CTCCGGGATGGGCACTCTGCTCATGAACAAGATTAGAGAGGAGTACCCGGACCGGATC	25500
GCCGAGGCGGGCGCGGGGCGGCGACGGGGCCTCGCTCTTTGTCTCGGCTCGCT	25501
CGGGAGTCCCGGGGCTGCCCGGGAACACCCGGCGCCCAGGGCCTCCGCCACTCC	25502
GAGCCCCAGTCGCGCGCCCCTTCTTGGTTCGCTCGGTGCCCGCGCAGGCCCCTCGGGCGGTGGCGAGGAGGCGCCC	25503
GCCGGGAGTCGCGGGTGCGCGCGGGCCGTGAGTGTGCGCTTTTGAGAGTCGCGGCGGAAGGAGCC	25504
TGGGCTCCGGCGGCCTCAGGCTGAGGAGGGAGCAGCAAGCCGCTCGGAGCCCAGC	25505
AAGGCCCGCCTTTGTGGCTGCTTCCCCACAGACACAGCGGCAGAGGAGTCCCCTGC	25506
GCCCCGGGCGGGTGCGCGGCTGGGGGGTGCGGACTGCCCGGGCCGAAGGCCGACGAATCCGCGGTGG	25507
TGGGAAACATACTTCTTTATATGCCCATATGGACCTGCTAAGCTATGGAATGTAAAGAAGTATGTATCTCA	25508
CTGCACCCGGGGCGGGGCGGGGATGGCGGCGGGGGCTGCCTCCCTCCTCCGCCGCCACCCCCCACTGCTGGGCGCGCC	25509
CAGCGACCCGCGGTTAACGCTTCCCCAGAGCTTGGGCTGCGCGGCGGCCGGGAGTCGGAGGCA	25510
CCGCGGCGTTCGGGGAAATGGCTGCGAGACCCTAGAGGCCTGCGGCCTGCGGTAAGTGGCGTCCCGGGCGCCGGGTA	25511
CACAGGGCAGCCTGGCACCTGCTGAGCCCTTGCTGGGGCCATGCTGTCCTGAGCC	25512
TCGGGGTTCCCGCCGCCCTTCTCCGCCCAGGGCAGCAGCGCGCGGGGCCCCCCGGGAGCC	25513
CTCTGACCCCCTTTGGGAACCTCCAGCCTGGGTCTAGGGGGTGGTGAGAGGG	25514
TCTGAGGGTTGGGAAGGCAGCGCCTGCAGCCCTCACCTTCCTGCCCTCAGGCTGC	25515
GGCGTCTGGAGTGCACCGTCCCCTCCCCAACCCGACGGCAGAGGGCAGCTTGGGCTGGGGCGGGGGCGGGCTCCAGGAGGGGC	25516
AGGGGCTTCCTTGGGACCAGTGCAAGGAAGTTCTGCTGTCCCTGGGAAGTCTCAGA	25517
CGGCGCCCGGCCGGCCATGGAGCGCCCCCCGCCCCGGCCGGCCGGGACCCCAGT	25518
CCGCCCCCGGAGCCCCGCGCCGCAGCTGGGAGCGCCGATGGCCCCCGGGGAGGGCGCCCCCCGCGGGGCGTGGCGGGGCGGCC	25519
GAGGTGGAGGGTGGGTCTTGGAGCCGGTGCGAGCTCCCTGCGCTCACCGGAGTCCTCACCCTGCACCCCAC	25520
CGGGGCCAGGGCAGGGCTCCGTGGCGATGGTGCCGGGTCACCGATGCTCACCCTGTCCCCAGCC	25521
TGTGTGTGTGCACGTATGCATATGCCTCGGCCACAGCCCTGTGTGTGCGTGTGTATGCGTGCACGTATGCATA	25522
CGGCCTGCAGCGTCCCCGACGTGCTCCGCCACTATCGCGCCATCATCTTCGAGGATCTGCAGGCCGCC	25523
GCGGCGGGAGCCCTTGGGGTTCGAGTCCCGTGCGCCGGCTCCCGAAGCTCCCGCCCAGC	25524
GGGGTGATGGCGGCGCAGGGCGGGCCCCACTCCCCTGGGCTGCCTGCGTCCGCCCCGCCCCGC	25525
CCCCCCGAGCGGCTCACCGGCTTCACGTCCGTTGGTGGCCCCGCCTGGGACCGAACCCGGCACCGCCTCGTGGGGC	25526

Table 2. Additional miRNA sequences

CGCGACTGCGGCGGCGGTGGTGGGGGGAGCCGCGGGGATCGCCGAGGGCCGGTCGGCCGCCCCGGGTGCCGCGCGGTGCCGCCGGCGGCG	25527
GTGAGGCCCCGCGCGTGTGTCCCGGCTGCGGTCGGCCGCGCTCGAGGGGGTCCCCGTGGCGTCCCCTTCCCCGCCGGCCGCCTTTCTCGCG	
CGCGCGTGCGCCCGAGCGCGGCCCGGTGGTCCCTCCCGGACAGGCGTTCGTGCGACGTGTG	25528
CCCGGGTCGGGGGGGTGGGGCCCGGGCCCGGGGCCTCGGCCCCGGTCGCGGTCCCCCGTCCCGG	25529
CCCGGGTCGGGGGGTGGGGCCCGGGCCGGGGCCTCGGCCCCGGTCGCGGTCCCCCGTCCCGG	25530
CGCCCGCCGGCGGGGCTCGGAGCCGGGCTTCGGCCGGGCCCCGGGCCCTCGACCGGG	25531
CGCCCGCCGGCGGGGCTCGGAGCCGGGCTTCGGCCGGGCCCCGGGCCCTCGACCGGG	25532
GCACCGCGGTCCGCCTCTCGCTCGCCGCCCGGACGTCGGGGCCGCCCCGCGGGGCGGAGCGCCGTCCCCGC	25533
GGGGGCGGGTGGTTGGGGGCGTCCGGTTCGCCGCGCCCCGCCCCCACCGGTCCCGGCCGCCGCCCCCGC	25534
CCGGGGAGGTGGAGCGGGAGGTTGTCCCAGGCCCTGGCTGCAGAGCTCTTGATGTCACGCCTGACACCCTCCATCCACCGCCTCGGGG	25535
GGGGAGGGGAGGGAGGAGGACTCGCGGAGGGAGGAGGACAACGCCATTCCGGGCGGCCTCCCTCCGTCCCCTCTCCCTTCCCCAA	25536
GAGTCCAAGCAATACATTCAGTAACTAATCTAAGCATTTGCAGCCACTGAATGTATCACCTGGACTTATC	25537
TGGCTCGGCCGTCCCGCCGGCCCTTCTCCGGGAGGGTTGGCGCGGTCAGGGCCGCG	25538
ACATTCTCCCCGATCTCGATCTCAAGAAAGACGGGATCGAGAAAAAGAGAGAAGAACGTCG	25539
GTTCGCAGTGCCGGGAGCCCGCAAAGGGCTAAGAAAGAAGCGCGGGCGGGCGTGTGGGGTT	25540
CTGGCTGTGGGTTCCTTATCTGTTCACAATCCCGAGACGAAAGACAATATTAGGAGCAGATAATGGACCCACAACCAGGA	25541
GGGATTCCGGACTGTGAGCGGCGTCGTTAGTGCGTCGCAGCTGCTGGCGATCCGGCGACCCTC	25542
CGCTCTGGGAGGCCGGCTGCGTGGGGTCCCCGCGCTGCAGCCGCAGAGGCCCCCCAGGGCCGCG	25543
TTAGCATCTGGCACTATGGACTCTCAAATGTTAGCTTCTGGCACCATGGATGCTCAGATGTTAGCG	25544
AACTCGATGCAATTCACTTTGTGGAACCAAGCCACACAAAGTGAAAAGCATCGAATTGC	25545
GCGCCGGGATCGGGGTCGGGGCCCGCTCGGTCCGCCCCCGCCCCGGCGGGGC	25546
AGTTCTTGCTCAGAGTTTCACGGAAACTCACTGAATTTGCATGAAACTCTGAGCAAGAACTCC	25547
AGTTCTTGCTCAGAGTTTCACGGAAACTCACTGAATTTGCATGAAACTCTGAGCAAGAACTCC	25548
GCCCTCTGCCTCCCAACCTTCCCATAAACTGAGTCACGAGGAGAGCTGGGAAGGGGGATGCAGAGGGGAG	25549
GCGCCTGAGAAGAGGGGACGCCAGCCCGGTCAGGCCTCGGCGCGGCCTACACGCTCCGCTCGCTCGCTC	25550
GCGCGACGCCGGGTGGCCCAGCAGCGGGCGGGTGCCGGGGGCGGAAGCGCGG	25551
TCTGGTGGAACTCTGAGAATTTCTGGATTGAAGTTCTCAGAGTTCCACCAGATC	25552
CTCGCGGCGCAGGGGGGACGGGGGGAGGGCGGGCCTGCCCGGAGCCGCGCGCCGAACGGA	25553

Table 2. Additional miRNA sequences

TGTGGCGAGGGAGTCTGTAGACAGAAGACATTGCCAGCTCCCAGCCCCACC	25554
GCCGGAGCAGTAGGCACCCGAGCAGCGCCAGCGGGCGAGCGGGCGGCTTCCTGGCCTGGGCGCTCCGGTGG	25555
AGCAGCACTGCTGTCCTAGCCACGCCAGGCGCCAGTGTGGCCTGGTAAAGGCCTCGTGCATTCTGT	25556
CCTGTGCGCATGGGCGGAACCAGCGAGCGCGCGCCTGCGCCTCGCTGGGGCTGCGGTGGGTCGGGAT	25557
CTCGGCCTGTGGGCACTGAGCATACAGTAGGTGCTCAGTAAATGCTTGCAGGCCGA	25558
GAGCCTCGGGCGCGGCGGGAGCGCAGTTAGAGCCGATCTCCCGCGCCCCGAGGTTGC	25559
TGGCGCCGGCCCTCGGGAGGCACCGGGTCCCCGGGTCGCTTCAGAACCAGGAAGGGCCAGG	25560
GGAGGTTGCGCCTCGGTGGCGCCGCGCTGCTCCTGCTCATCCCGGTGGCCGCCGCGCAGGAGCCTCCCGG	25561
GTCCCGGACGGCGGTCCCAAGCGCTGCTCACGCTGCTCTTAAGTGAGCCCTGGACGAGGCGCGGTGGGCCCTCATAGTCCGCGC	25562
TCCCCGCGTGGAGGTCCCGGGAGGTCTGGCCCCCTGCAGGGCACCCATGCTGGGGCAGTGGATCCCGAGATGCTGAGCTGGGGCA	25563
GGCGGGAGGGCTGGACGGCGGGGGCGGGAGGAGGGGGTCCGTAGACGGGGTCGGCGCCGGGGTGCTCTCGCCCC	25564
CGCGCTACAGGCTTCGTGCTGGCCTGGGTGGCGTGCTACGGGCTTGTGCTGCTGGGTGTGGGTGGCGCGCT	25565
CCCGCTGCCCGCAGAAGGCCTCACTCTGGAGCCGGCGGGGAGGGCGGGGA	25566
CCCCGGGGACCCAGGCGGGCGGGGCAGGGATCGGCCCTGGGCCTGGAAGTCCCCGTCCGA	25567
CAGCCCAGCCGCGGGGTTGGGGGGCTCGGCTTGGGGTCCGACCCAGAGGGGCGCGGGGCAGGAGTCCGACCTGGGGCGGGGGGCGGG	25568
TGGGCACCGCGTGGCACCGCAGGGCCCGGGTTGGGGCGGCCCCCTCCACGCGCCCCGCGC	25569
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AAAGCCCGTGGGGGACCTGTTCACTGCAGCCATGAACATGATCCTCCCGGACTTCAA	25571
GGGCTGTGTGGCTGCGCTCGGCGCGCGTGGGCTTTGCTGGCGGGCGGCGCGGCTGCGGGGCTCCA	25572
CGGGGCGCGCGCCCCCGGGCCCAGATCCGCAGGACCCAGGGGGGCGCGGGCCGCACC	25573
CTCCCTGCAGCGGTCAGAGGATCGGTTGAGTTCTCAGTGACCCCAGGCCCTGCAGAGCTGGCA	25574
CTCCCTGCAGCGGTCAGAGGATCGGTTGAGTTCTCAGTGACCCCAGGCCCTGCAGAGCTGGCA	25575
GAGGATTCCCAGGATCCTGGGTCTGTTCCCTGCCCCAGTGCTGCAGAACGGACTTGGGAGCCCTCCT	25576
CCGCGCAGCGCTGGGGGCGCCACGCAACGCAGGTCGCGGTAGGGCGCACGCTCGGGGCGGCCGGCCAGC	25577
AGGCAGCATCAAGGCTGTGGGCACCGAAGTGCTCCAGCCACACAAGAGGACTGCCCGG	25578
CCCTCACACGTGCATCTGCATGTGGCGTGCATGTGGCAAGCATGTGCAGGTGCTGTGTGGGCA	25579
GCTAGTGGCCCGGCCGGCCTGGGCTCGGGGGCTCCGGGCTCTGGGTGCGCGGACCGGGGCCAGGCTGCTTGAAGGTGG	25580
CTGAGAGGCAGAGGTTGCAGTGGCACGATCTCAGGTCACTGCAACCTCTGCCTCCGGTA	25581
AGAGTGATGCAGCTCCCTGGGGACACAGGTGCTTCCTGGGGAGCCCTGAGC	25582
CGTGAAGCTGGGGGAGCTCGTCGCCGCCGGCGGCTAGCGGGCGTCCGCGCCATGGA	25583
TGGGGGCTGGGGGAGGGGCATCGGGCTTAGATGTCCTCCCTCTGCTCGCAGC	25584

Table 2. Additional miRNA sequences

CTCCTCCCTGCCTAGATCAGTCCTTCTCCAAAAGGACCTGGGAGCTGGCAGCCTGGGCAGGGGGGGCTGA	25585
CGCCTTAGACTCCCAAAGTGCTGGGATTACAGGTGTGAGCTACTGTGCCCAGCCCTTAGGTGTGTTTCTGTAGTGGT	25586
GGGAGGAGCTCGAGGCCCAACTAAGCTGCTTCCGGGAGCTGCTGGGCAGGGCCCCCACGC	25587
GCCGCAGGTGCTCTGACGAGGTTGCACTACTGTGCTCTGAGAAGCAGTGCAATGATATTGTCAAAGCATCTGGGACCA	25588
CGCGGAGGGGCGGGGGAGGGGCGGCGGCGCCGGCCAGGCCCGGGACTGAGCCACCCGCTGAGTCCGGCCTCCTCCCCCCGCAGG	25589
GCGGCGGCGGCGGTTACTCCGGACCTGGACGGGACGCGCGCCCGCCGCCGCCGCCGCC	25590
GGGCGGCCGAGGCCGCCGTCGCAGCCTCCTCGTCTCGCCGGCTATGGCTGCGCTCGGCCGGCCCTTCAGCGGCCTCC	25591
GGTGCAGCCGCCTGCCGCCGCCGCCGCTGCTCGGGCTGCTGCTGG	25592
CTGCAGCACCTGCAGCCGTCGCTCTGAGGGTTCCAGCCACCGGAAGGCCCCAGCTGCATCTGTCTG	25593
CCTGCCCGGAGGGGGCGGGCCGGGCCGCGCGCTCTTAAAGGGGCCGCCCCTTCCCCGAGCCGGCGGGAGCT	25594
GCTCCAGGCCGGTGCCTGCGGGGCCAGGACTCAGAGCGGCCTCCGCAGGCCCTGCCGGTGC	25595
GCGGCGCGCGGTCAGCTACGCCTGGAGCAGGAGCACCTGCTCGAGGACATCGCGCACGTGCGCCAGCGC	25596
TGGGGAGCTCAGACAGGGGCAAATAGGTGGGTCTTTGATAAGGAATACCTTTGCCTCTGGCTCACCCTCT	25597
CGGCCGGGCAGACCCAAGTGCCGGCGCGGAGACTGCAGTGGAGCCAGTACCGGCTGTAGTGGCCGGG	25598
GATGGCACCACTGCACTGCGTCCTCAGCAACAGAGTGAGACCCTTTTGCCCAGGATGCAGTGCAGTGGTGCCTCAA	25599
TAGGGAGGCGAGATTGAGCCTTTTTGTGAGGTTACAAATTAAAGCTCTGTCTGTGTCTCTAGG	25600
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CTGGACAGCGCAGGTCCTCGCAAGGCCGTTTCTCAGGGACGCCGGCCTCGCCACTGACGTAGCACCAGGG	25603
TAGCAGGGTGGGGGGGGCAGGAACTGAGGGGTGCGGATCCGGGCCCCCCAGCCTGCGAAGC	25604
CAGGCAGGGCTGAGAGGGAGCACAGCCCGGGGCGTCCCCAGGGACACCTGGGGATGGCCTCACCTGTTCCAGCTCTTTCTGCA	25605
CCCCGGCCTCTGTCGGCTCCGTAGGCTCAGGTAGACCTGGCGACGACGGGGCTGCAGCTGCAGGGGC	25606
TGGCAGTCAGGATTGTTATGTTAACTGTCTTCTGTACTCTCTTGTTTATACAGAAGAGAATTAACACAGCAATCCTGGCTGCCATC	25607
GGTATGCTGTTGCGCTGTCCTTCCTCTGGGGAGCAGGCTCCGGGGGACAGGGAAAAGCACACAAGGAACTTGTCCTCTAGGGCCTGCAGTCTCA	25608
TGGGAGAGTGACATGCACCAGGACC	
CGTAGTCTCCTCGCTGGCTGCCCGAGGGAGGCCGGGAAGCGATCGGGGAAGCTCGGG	25609
GGGGCAGATCCAGGTTCAGGTGAGCGAGCCCCCACCGCGGTCCCGCCCCGG	25610
TAGCTTGCTGCTGTGATGAGTGACAGGGTCCAGAAACTCAGGGACTTCTACTGGACAGCATGAGAGG	25611
GTCCCTGGAAGGCAGCTTGGAGGGGACGCTTCCTTCTCCGAGGGCCCACAGGGAGCAC	25612

Table 2. Additional miRNA sequences

GGTGTTGGGCAGCTGGGGTGGAGGCCTCCAAGAGGTCCTGACCCAGACCCGTGCCCA	25613
CCCGGATCCAGCCCGCGGAGCCCGCGGCCAGGGCGGCGCAGACCGGCCCAGCGACTCTCCCGGGCTGCCAGCCGGGAC	25614
GAGGCTCCCCAAACTTCCGGCCTCCGTGCCACCGGCTCAGAGGCTGGGGGTGGGAGCTGGGA	25615
GAGGCGAGGCGAGGCGAGGCCAAGCCAATTGGAGGCCGTCTTTCCTCGTCTTGCCCGC	25616
CCGGCGGAGACTTGGGAGTCCGGAGCGCCGAGGAAGTTGGGGAACGGACCCCCAGGCCCCGCCCACC	25617
GTCTGCGGCTCCCAGGCCGGTGCCGATGACGTCAGACTTACGTCAGGCGTGACGCCACGGCTGGGAGGAGTGAGGA	25618
CAGGCCTCGATGGGGCTGTGCTTCCTGTTGTGAGCCGTCGCCATGGCAACTGGAGGCCTGGTGGGCTCCATGGGGGTATGGG	25619
ACCGGGCCCCTAGCCAGAGGGGCGGGGAGATGACTCCTCCAGTGCCACCCTCCCTGGCTGGGCCCCACACC	25620
GGGCGCCCCGCCGCAGCCGCTGCCGCCGGGAGCCCCGGGATGGGGCGAGAGGCTGCGGCGGACGCCAGC	25621
CGCCGCCTCCGCCGGGCTCGCCGGGACCTCCGGGCGGCCTGGCGGACGCGGTCGGG	25622
AGGCGGGAATTCCATCTCATTGCGTTGGAATTTAAAGCAATTGCAGATGCTTTTCCCTCCAA	25623
AGGCGGGAATTCCATCTCATTGCGTTGGAATTTAAAGCAATTGCAGATGCTTTTCCCTCCAA	25624
GCTGCTAACCCGACCCGGATTGGCGCTGAGGTGGCCCGTGGGGCAGGTGAGTGCGGGGGCGGGAGTCAGCGG	25625
GGGGATGGAGGTGGGGTGGGAAGGGCTAGCTGGGGGTGACAAGAGCCTTACCACCCCTTCCTCACCTCTA	25626
GGGCTGGAGGGGAGGAGACCCACAGTTTCGGGCTTGAGTCACCTCCCTCCTGGCCAGG	25627
TGGTGGGGTCGGGCAGGAGGGCCGGGGATTGGAAGGTTGGCCAGCTCTACCTCCTGCCCTTCCCACCGCA	25628
GGCGGCGCCAGCCTGGCTCTCGGCTCGGGCGAGTTCTCTGCGGCCATTAGGGGCCGGTGCGGCGGCGGCGG	25629
CCGTCAGGGGGGTCTGTGTCCCAGCCTCTCATCACTGGCTGCACCCAGAGTCCCTGACTTT	25630
GCCCTCGCAGCTGCTGTGCCGGGACTCGGGGACGCACACGCAGGCGCGAGGGCAA	25631
AGGTTGGAGTGTGGGAACTGTTGAACGAAACAGCAGCTCTCCCAGCCCAACTTCC	25632
TGAGCGGGGGCGGGGCCGGGGCGACTGGAGGTCCAGGCGGCATAGGGGCCCGGCGCGGCAGGGGG	25633
GGTGCCCGGGTGAGGGGCGGAGCTGGGGGCATGGCGTCCGGAGCGGCTCGCTGGCTAGTATTGG	25634
CGCCCACCCCCCGCCCCCCGCCGCGCTGTCCCCTTACCCTGGCGGCCGGAGGGCCGGCATC	25635
GACGAATTTTTGAGCGGGGTAAAGGTCGCCCTCAAGGTGACCCGCCTACTTTGCGGGATGCCTGGGAGTTGCGATCTGC	25636
GACGAATTTTTGAGCGGGTAAAGGTCGCCCTCAAGGTGACCCGCCTACTTTGCGGGATGCCTGGGAGTTGCGATCTGC	25637
TCCAGGGGGCAGTCTGCCACCCATCCTTCCTGACTGCCTGGCCCTGTCCCCTGCAGA	25638
TCCAGGGGCAGTCTGCCACCCATCCTTCCTGACTGCCTGGCCCTGTCCCCTGCAGA	25639
GTCCAGGCGCCCTCTGGATCCGGGTCTGCCTCGAGGCGGCGGAAGCCCCACGGGGCGCTGGGCGG	25640
CGTCCCCGCGGGACCGGGAGCTCACTCCTCAAAGCCACCTCTCCCGCGGGACGCG	25641
CGAGGCCGCGAGCGCGCCCCTCCCGGCGCCGGAGAGGCGGGGAGGGCGGGCGTGGGGAGGCGGGCGGCGGGGCGGGGG	25642

Table 2. Additional miRNA sequences

AGGGGGCGTCCCGGGTCACCCGGCGGCCCGGATCGGCCCGTGACGCCCTCACC	25643
GGGAGGAGGGAGGAGATGGGCCAAGTTCCCTCTGGCTGGAACGCCCTTCCCCCCCTTCTTCACCTG	25644
AGGAGGATCACTTGAGCCCAGGAGTTTGAGACCAGCCTGGGCTACATAGTGAGACTCCTGT	25645
ACCCAGGCCTCCCGACTCCCAGGCACCGCCTCGTGCTCGTGGGTCCCCGCGGGGGCCTGGGGCG	25646
TCTGGTAGAAGTGGGGGCAGGGCGGGGGCGGGCCTCCAGACTCTGCCCATCTCACTCTTGCCCATC	25647
GCGGTGGGCGGGGCCCCGGGAGCGCTCAGCGGCTCCCACCTAGCGCCCCGCGGCCGCTG	25648
GACATGGGGAGGAGACCCAGGGCCTGGAGTGAGGCTCTGGGGCATGTCCCGTGCAA	25649
CAGCGTCTCCCCACAGGAGTTCCCGGCACTCCCCAACAAGGGGTTTCTTGTGGTCAGACGTTTGGA	25650
CGCGGAGGGCGTCCCCGCGGTGGCGGCCTCCAGCGCCAGTCCCACCCGGACGGCGCCAGCCGCGCCGCCCGCAGGGCGCACAGCAGA	25651
CCGGCTCCCCGGCGCCGCTGGGCTCCCGGGCGGGCGGCAGGCGTAGCGCGGCCGGGCGGCCGGC	25652
TGGGTGCACCTGAGCAGTATACACTGAACACAGTGCACCCGA	25653
CGCCGCCGCTCCTGGGCGCGGGCCCCTCTCGGCCGCGGCGCCCGGCAGCGGCGGCCGC	25654
GGTTCGTGCGGACCGTGGGGTGTCCCACGCCCAGGCCGGGGGATCCCAGAGCCCCGCTTCCCTC	25655
CGGCCAGCCCCGCCCCGCGCCGCGCGGGGCCCTGGGAGGGGCGCAGCGTCCGGCGGCGTCGCGGGCGGCGGG	25656
GAGCGGGTGGGCGGCCGGGAGGCCGGAGCAGCACGGCCGCAGGACCTGGAGCTCC	25657
GGCCTCCGGGGAGAGCAGGGTGGGGGCTGTAGCCTGGTGCACCCCCAGCCTGCTGTCCCAGGTGAA	25658
TCTGCGTCCCCGGCTGTCTGCGCATCCCGTCGCGCACGTGGCCGGGCGCGCGGGGA	25659
CGGGCCGGGGCGGCGGGGGCACCGGAGCCGCCCGCCTCCGCCGCAGCCCGGC	25660
GGCCATGGCCTGCAGGGCCCCCACGCTGCACTCCTGGCTGCAATGCTTCGGGGGCTGGCAGGGGGGCCGA	25661
AGTGGGCCCAAGCCCCCTCTGGGGGAGACCATGGAACAGGAGGAGCTCTGGGCCCACCCAG	25662
TGCTTCTGTCTCCTGCTCAGCACATCCAGTTCCGGGAGGGCAGTGGAGGCGTG	25663
TCTGGGTGCCTCCACGGAGTGGGCATGGGGCTGGTGCTGCTCACCCCTGTGGCACTCTGGG	25664
TCTGGGTGCCTCCACGGAGTGGGCATGGGCTGGTGCTGCTCACCCCTGTGGCACTCTGGG	25665
CAGGTGGAGGTGTGAGGTCCTGGGGCATCATGGCAGGACCTTGGACATCCACTTTCT	25666
CTGCTTCTGCTACTGGAGCCGGGGCCAGCCTGGGGGTGGGGCCCTGTGTGTCAGTGGCAGCAGACCTG	25667
GGCCGGCCTGACGACCTTGGGTCCTTGCCCACAGGTGGACCCAGGTGCGGGGGCTGGCTAC	25668
GGGAGGGTCCGTGTTGCAGATGGGGCTTGGGGCCCGGCCAGACGCTAACTCGGATGCTCCCAG	25669
GGCCCCGGCCCGGGCCCCGGCGCGGGGATGGACGGCCCCGGGGCCAGCGCCGTGGTCGT	25670
GGCGGGCGCGGGGGGGCGCAGGGCGGCCCTTCGGCCTCACGCCCCCCACCATCCTCCAAGT	25671
GGTTTCCCAGCCCCCGCCGAGGCCCGCTGGGGCGAAGCGGAGCCCCGGGGGGGCCCTGAGGAAACCGG	25672

Table 2. Additional miRNA sequences

GAGGCCCGTGCGCCCGCGCTGCAAGCGCCCGCCTGGCGGGGAGAGGGGCCGACGGCGTCAGCCCGGGCGGCGGCATCCC	25673
TGCTTCCTATCCGTAAGATAAATGCTTCGCCCTTATCTTATGGATAGGAAGCAGG	25674
CGCCTGCAGGTTCCGCGGGGAACTGCAGACCAGACTGGCGGATCAGAGCTGG	25675
CCCGCCGGTGTCCGCCCCGTGTCGCGCCGGGGCACCAAGGAGCCGTTGGAGGGTCCGGGCGGAGGCCCGCTCGTGTG	25676
ACCACGCCTGGCTCAAATTTTGTATTTTTGGTACAAAATACAAAAGTGAGCCAGACGTGGTAG	25677
ACCACGCCTGGCTCAAATTTTGTATTTTTGGTACAAAATACAAAAGTGAGCCAGACGTGGTAG	25678
ATGTGCCTAATGACTGCTAGTGTCTGTGGTTGTGCTTAGCAATCATTAGACATATT	25679
ATGTGCCTAATGACTGCTAGTGTCTGTGGTTGTGCTTAGCAATCATTAGACATATT	25680
CAGCGGGCTGAGTGAGCTGCCGCCGCCGCCGCCGCCGCTGCCGGGGGAGGGGCGGCCGCCGCCTGCGCT	25681
TGTGATGGTGGGGGGAACCAGGAGTTGAAGGGCAGAGATTTGTCACCACCACGTCCTCTTCCCTCCACAGC	25682
GCGGCCACAGCTCGGCGCCAACCACCGCGGGCCTCCCAGCCACGCCCCGCGGCGGGGCAGCCGCAGGTACAGCCGGGCCCCCCATCCCTGCACC	25683
CCTGGGCGCTGCGTGGGGGCGGTGG	
GCGGCCACAGCTCGGCGCCAACCACCGCGGGCCTCCCAGCCACGCCCCGCGGCGGGGCAGCCGCAGGTACAGCCGGGCCCCCCATCCCTGCACC	25684
CCTGGGCGCTGCGTGGGGGCGGTGG	
CCCGCGATGGTGAGAGAGCCGGGGCCCCCGGCCAGGGACCCCCGGCTGTTCGGCCTCAGGGCA	25685
CTGGAGAAGTATGGGCGGCCTGAGTACGTTTCCTCTCTGCCAATACCTTCTCCCGCC	25686
ACTGAGGGGATGAAGGATCAGGCCCTATCAGCAGCTGACTGGCCTCCCTTCCTGCCCCTCAGAGA	25687
GGGGCCCCGGGCGGGGGTCGCTGGGGCTGCAGCCGGGAATGCCCTCCGCGGGGCGGCCTGGGCGGCAGCTCCGCCCCCGGGGGCCGCGGTT	25688
AGCTCCGCGCCCTGCCGCCCCGGCGCGTCCGCGGGGCAGCGGGCGGCGGAGCGCG	25689
TGGTGCCCCGGAGGTTCTGGAGAACTTGGAGGTGAGTGGCATCTGCATGCCTCAGGCCAGGCCGGAGTCAGGGGCATCAGG	25690
TACTGTAAAATGCTAAACATGACGAAAGGCAGTAGCATGTTTAGCATTTTACAGCATCACAGT	25691
TACTGTAAAATGCTAAACATGACGAAAGGCAGTAGCATGTTTAGCATTTTACAGCATCACAGT	25692
GATGCTGTAAAATGCTAAACATGCTACTGCCTTTCGTCATGTTTAGCATTTTACAGTATCCACAGT	25693
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GTCATTGCTGCCTGTTGGTGTTGTGGTTACAGACAAGCTCACCAGTGCCAGCAAGGAGTC	25695
GTCATTGCTGCCTGTTGGTGTTGTGGTTACAGACAAGCTCACCAGTGCCAGCAAGGAGTC	25696
TGCGTCTGTCCCTCGCCGGAGCCCGCGGCCGCGCTCTCGCTGCGCCCAGCGCCCGGCGCTCCGGCTCCAGCCCCGACGCGCC	25697
GCAGGGCGGGCAGGGCGAGCTGGGCGGGGGTGGCTGCTTGCAGTCTGCCTGCTTTCCCTGCCCCAGG	25698
CGGCGGCAGCGGCAGCGGAGCCGCTAGTCCCCTCCCTCCTGGGGGAGCAGCTGCCGCCGCTGCCGCCGCCACC	25699

Table 2. Additional miRNA sequences

TTGGCGGCGAGGTCTCGGCGGCTAAGCGAGCGTCGGCGACTGTCTCTCCGC	25700
TTGGCGGCGAGGTCTCGGCGGCTAAGCGAGCGTCGGCGACTGTCTCTCCGC	25701
GCGGCGGCGGCGGGGGTGTGCGCCAGGAGGCCATTTCCTCGCTGCGCCCCTG	25702
GCGGACGCCGCGCGCCTCGAGTTTGAGGGCAGCCGGCGGCGCGGCCTCCTCAGCGGGCTCGGCTGGACGTCCGCTCCGG	25703
GGGGCCTGATGTGATGAAGGCAGGTGTTGGTAGATTGTTTCGTTGTCAAATACCCTGT	25704
GTGTGTGTATATGTGTGTTGCATGTGTGTATATATGTGTACACATACACATACACGCAACACACATATATACATGC	25705
CGGCCGCAGCAACCGCGCCGTTGACTTCTCGGACTCCAGAAGTCCCCGGTAGCCGGGAGGCGGCCGTC	25706
GCTAGCGCTGCTGTGCGTGGCCTGCGCGCTGCGCCGGGGCGCGCCCAATACGAACGCTACAG	25707
TGCAAAAGTAATCACGGTTTTTTGCTATTGAAAGTAATAGCAAAAACTTTCAATAGCAAAAACTGTGATTACTTTTGCATC	25708
CTGCATCTCAGGTCTGCACCTCTGGTCTTGCTCAGCACCACAGGGCAACTCTGGGATCACA	25709
ATTCCCAGGGAAGTGCTCTGATAGGCCAAGTTTGTATCAGGTGCCCATCCCTGGAAGGTGC	25710
CCGGAGAGTAAGGCACTGGGTTTTGAAGGACAAAATCAACCACACACTGGCCTTACTTCCTGACC	25711
ACTCCATCAGAGAGTCAAAACTTTAAATCAGTAGTCAATATTGAAAGCTTTGTCTCTCTGATGGAGTTT	25712
TCATTGTGCTTTCAAGGAAAAACAGCAAAGTATTTTTTTTCGTTTTTTTTTTAATTGGTATGTTGATA	25713
CCCCCGCGGCCTGGGTTGGGGAAGGTGGCCCTGGTATCCTCCCCTGTCCCAAGCCCGACGCC	25714
GGGGCGCGGAGGGCGGCCGGGCCCGGGTTCCGGTCGCGCTGCCTCTCTGGGGCCCTGG	25715
CTGGGGCCGCAGCTGCTTGGCGCTGGACTCGCCGCGGCCCTGCGCCTCCGCCT	25716
CGCTGCGGCGGCTGGTGAGTCGGGGAGGGCACCTCGGACCCCCCAGCTGTCCGCAGCAGA	25717
CAGCAGGCCCTGAATCAGGAGCGGGGTGGGCGGTGTGGGGCCTGCTGACACCCACGAGCCCCCTGCGCCCTGAGGCGGAGCCTGGGGA	25718
TGAGGACAGCAGCTCCGAGTCTGTGTGTGTTTGTGGACCGGTGCTCCTGTCTAACGGA	25719
CATGCCTGGGTCCTGAGGGCAGAGTCAGGAGACAGGTCTGCCTTGAGCCCCCAGGGCAGCAG	25720
CTGCCACTATATTATGTGCAAGGAGAGATGCTAGGTGGGCAGTAGATAGTCAGTCT	25721
GCCTGAAGAGCCTATGTGTGCACAGTGGCTAAGTGCAAAGACTTGAAAGCCACAGTACCTGGGTTCTTCTCCT	25722
CGGCGGCGGCGGCGCCGTGCAACATCAGCGTGCAGCGGCAGATGCTGAGCTCGCTGCTCGTGCGCTGGGGCCGCCCGCGGGGCT	25723
CTCTGCCTCCTCACCTTGCACCCAGAGCAAGAGGACTGGGTGCTGGGCTGCAGAGGCCGG	25724
TGCAAATTAGAGTCTCTAGGGGGTGGGATCCAGACATCTCCAAGTGATTCCAATGAGCAGC	25725
TGGAGGTTGGGGCCCAGGAAGAGGAGTGGGGGCTGGGGCCCACATCGAGCACTGTTCTCCTCTGCCCAATCCTCCAGG	25726
GCCTCGTGTGATGCTGGGCCCATGGTTGCAAGCCATCAGGTGAGTGTGACTTTGGGCTGGGCCATACCGGGGGGGT	25727
CCTGAGGATGAAGGTCAGAAAAATTAGCCTGATTATGGGCCTCAGTTGCGGGGGCTGATGTCTGGCTGGCTTTCCTAAAAGG	25728
TTCCGGAGCGTAGCGGCCTCTAGCTCGAGCAGGAGCAGCCCGCACCGGACA	25729

Table 2. Additional miRNA sequences

GAGATGGTGAGGGCAGGGAGTGTGCTGAGTCATGCCTTGCCCTCTCCCTCTAGG	25730
GGACGAAATCCAAGCGCAGCTGGAATGCTCTGGAGACAACAGCTGCTTTTGGGATTCCGTTGCCC	25731
GGACGAAATCCAAGCGCAGCTGGAATGCTCTGGAGACAACAGCTGCTTTTGGGATTCCGTTGCCC	25732
CCGCTCTCGCGCCACCTAGCTCACCGGCGAACAGTGGAGCGGAAAGGCACACGCGAGAGGGGTG	25733
CCCAGTGGGCAGCGCCGGGAGCTGGACCAAGCGGCCGGTGAGAGGCCGCTGTAGCGGTGCTCAGCCACCTGTGCTGCCTGCCAGGGGG	25734
CCTAGGAAAGGCTGCTGGTAACTGGGATGGGGGTTGGGGGGAGGTAAGAAGTCTCTGACTCCTCCTCTACCTCATCCCAGTTCCATCACCTGAA	25735
GTGGACCTCTTGGGA	
AACTGGGATGAGGTAGAGGAGGAGTCAGAGACTTCTTACCTCCCCCCAACCCCCATCCCAGTTA	25736
TTGGGGGCTGGGCAGCAGCTGGAGAAGGAGCTGCTGTGCCCTTGCCCACCAACC	25737
CGGGGAAGCCCCCGGGCTCAGCCCTAGGGGCGGATCCTGGGGCTTCCTCCCT	25738
TTCCTAGGTGGCGTCCTGGTGGCACTCAAGCAAACCATGGGGGACTGTGTGGTCCTGCGAGTGCCCCAGGTGCGCGTCAGTGTGATGC	25739
CTGGGGCGGGGGCGGAGGCCGGGCCCAAGCTGCAGGGTGCTCGGCCTTTCCCTGCGCCCGGC	25740
CGCCGTGGGTCCCGGCCCTACCCACCCTAGCTCAGGCCGGCAGAGCCAGCGCTCGCGGATGCGGC	25741
TCGCCTTCCCCAACCTCAGGTCTGACCCAGAGTAAAGAAAGAGACCTCAGGTTAATGGGAAGCCACT	25742
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GCCTCCGCCCGCCCTGTGTGTCGATTTGCAGGCAGGCGGGGCAGCGGAGGTGA	25744
TGGCTCAAGGTTCAAGAAGGCCAATGTTGTGAGCACAGGCCTTCTCGAGCCTTGAGTGTGC	25745
TGGCTCAAGGTTCAAGAAGGCCAATGTTGTGAGCACAGGCCTTCTCGAGCCTTGAGTGTGC	25746
GCGGTGCCCTCAGTTCCCCAGCATGGCCCCCTCGGCCTGGGCCATTTGCTGGCTGCTAGGGGGGCCTCCTGCTCCATGGGGGTAGCTCTG	25747
AGGGATAGGGCTGGGGAGCGCCGGCCTGTGGCCCTGACCAGCCCCCTTCTCGTGC	25748
GACATGCGGAGACTGGTGCACGGTGGGTGAGCCGGGGGCGGGGTGTCTTCCGCGTGGACT	25749
TGCCTTACAATTATGAGGTACTCTAGTTCTATGAGGTTCCTCATAATTGTAAGGCACA	25750
AGGGCGGGCACTGGGTTCCCGGGGACGCGTCTCCTCTTCCGGGCCGTTCCGCTCGGGGCCACAGCGCCGTCGGGG	25751
ATTAGGACATGGGGGGGCAGGGTTGGAAGGAGAAGAAATGTCCCCTGCTGACTCTTACCTGTCCCCTGTCCTTAGG	25752
GTGCAAAAGTAATTGTGGTTTTTGCAATTAATGTCAAGAAACACAAATATTTTGCACCAA	25753
AGCTCATGGTATGTGGTCAGTGCTGTTATGAACACCTGCCCATCACCCATGTGCTGT	25754
AGCTCATGGTATGTGGTCAGTGCTGTTATGAACACCTGCCCATCACCCATGTGCTGT	25755
CCCAGGGGGAGCCGCCGCCGCAGCCGCCGCCGCGGTGAGTTTTCCAGCCTG	25756
CGCGCCGCAGAGCGCGCTTGCCTCCGCGCAGGCGCAGACGCTGCTGTCGCAGC	25757
ACACCTATATATCTAAGCTTTCAAACATGCATCTTAGATGCCAGTGTATCTAGCATGTTTGAAAGCTCAGATATGTATAGGTATGC	25758
AGGCTGGGGGGAAGCGGGAAGGTGATGGTCTCCTGACAGCTCCCCACTTCCCACCCCAGG	25759

Table 2. Additional miRNA sequences

GGAGGCAGGGGTTCTGTCCTGTGCACTGTAAGTTGTTTAGCACCATTTCTGGCTTCAA	25760
ATTTTGATATATAAGCCAGTTTAATGTTTTCTATACAGACCCTGGCTTTTCTTAAATTTTATATATTGGAAAGCCCATGTTTGTATTGGAAACTGCT	25761
GGTTTCTTTCATACTGAAAATCT	
CCCGGATGCCTTGTCCTTAGCTCCTGGATTGGAGCCTAGCACAAGTCAGTCCGCAC	25762
CCCGGATGCCTTGTCCTTAGCTCCTGGATTGGAGCCTAGCACAAGTCAGTCCGCAC	25763
CCTCCCTCCCTCCAGTCCGCCCGGTCTCCCCTCCCTCCAGCGTCCGGCGAGCCGGAGCCGGAGTGGCGGAGGCACGGG	25764
GGACCGGAGCGCTAGGCGCCGCGGAGCTGCGAGCCTGTGCGCCTCGGTCTGA	25765
TGTGTGTGTGTGTGTGATATTTTGGCTTACAATATATTAACCTATAGCATAATAATGTTA	25766
TGTGTGTGCATGGATATATATATATATATATATATGGATATATATCCATGCACACACACA	25767
AAGGAGATCTGAGAGCTGGAAGTGGGGAGCGTGTTACCTTCCAGTTGCCAGATCCTTCCA	25768
GCCTGGTCCCAGCGCAGCGACGCGGACGCGTCTGCCGGCCCCCTGGCCCGGCTGGCACGGAGCAGAGCCGCGGGCTGGGGCACGGCTC	25769
CTGCCAGCTGGGTGCCCCCTGCCTGCCTGGTTCTGCCCAAGGGACTGGGGCGGGACTCCCAAGGAGAG	25770
GCCGACAGCTCCCTGAGCCAGCCCGGGAGGCAGCCGCGCGCAGCGAGCCGGTGG	25771
GGACGGGCGGGACGAGGGGGCGGGCGGCAGGCACAGCGCGCGAAGACGGGGGTGCGCGATCCTCGCACCCCAGGCAGCCCGCGACGGACC G	25772
CCCGGCTGTCAGCGGCCCCCTCCCGCAGTCACTTACCCGCCGGCTGCGCGGTCTCGGCCGCGGTGGCGGCGG	25773
TGGCTCAGTTCAAGTCCAACAGCCTCAGAACCACTGAGGCTGTTGGTGTAATTCTCA	25774
CGGGCGGGGCGGGGCGGGGCGCGGGGGCGCGCGCTCATCCAGCTCAGGGCCCGCTGGCTCGCC	25775
CTTGGATCCTCAACACACCCATTCTACGCTTCAATTCTACACTTAAGTGGGTGTGTCGGGGATCCAAGGA	25776
GGCTCCGGGCAGTGCCGAGCCTGCCCCTTGGGCTCGGGGTCTGGCCGGAGTCCCG	25777
GGCCCATGGGTCTTATCCTGCAAGGTGCTGCAGAGACGAGGCCTGTAGCACCTTGCAGGATAAGGTCTACTGGGCC	25778
GTGTATATACGTATATATATGTGTATATATACGTATATATGTCTATATATACGTAT	25779
GCGCGGCCCCTGCAGTCCGGCGGAGAGCGGAGCTGAGGATGGCTGTGCCCG	25780
GCAGATTCCCAGAGTGGGACAGGGAGGCTCCACATTGCCTGCCCTCCTTGGGAATCTACAA	25781
GCAGATTCCCAGAGTGGGACAGGGAGGCTCCACATTGCCTGCCCTCCTTGGGAATCTACAA	25782
GTCCGTAATGGGGGCAGTGAGGGAGATAACTGCTTGCTGGCCAGTGAGCCCTCCCCTCACAAGCCCTGGACAGGGCTT	25783
GCAGGGGCAGGCGGTGGAGGTTGTGACTCTGCTTTCTCCCTCTCCCTCCTTGCTCCTACC	25784
GGAATTTTGTTAAAATGCAGAATCCATTTCTGTAGCTCTGAGACTAGACCTGAGGTTGTGCATTTCTAACAAAGTGCC	25785

Table 2. Additional miRNA sequences

CCAGGGCCCGCGCCCAGGGCACGGGGAGGACCGCCGCCAGCCCTGCCTTGGGGCCCGGGCTCTCCGT	25786
GGGGCCGGGGAAGTGAGCGGAGTGAGGCTGCGAGCGCGCTCCCCGCCTCAA	25787
ACCGATGTTCAGCTCAGTAGGCTGTGTGAAGAAGCTGTCCATTGAGCTGAACATCAGTGT	25788
ATCCCAGATCAGATGCCAAAGCCAGTGGGGACTGGACAACATGATGAGCCCAAACCAATCCACGCTGAGCTTGGCATCTGATTTGGGA	25789
GAGGTTGCGGTGGCACTGGCCAGGGGAGGAGATGGGCAGCCCCTTACCCTGGCCAGGCCCTCCTCTGGCACCGCGTGCAGGCACAG	25790
CGCCCCTGTGTGTGTGCGCACCCTTTTGTGTGCATACACCCTGCTGTGTGTGCCGGTGCGCACATCCCCAGGGCCGAA	25791
CAGGCAGTGCCCCGTAGAGACTCTGTGCAGGGGTTCCAACCCCACATTTCCACTGGGCACTGCCTAAA	25792
GGCGCCGCCTGGGCCGGGGCGGGCGTGGAGGCCGCGGGCGCGGGGGGGAGGTGC	25793
AGCGAGGGTCAGGGAGGGGGGTCGAGGTGGGCGTGGGAGTCCAGCCTGCTGACGCTGCCTTGCCCTCCCAGTCG	25794
TCGTGGTGGGACTTTGGGGGGTGTCAGGCGCTGGCGGCACGCCTCACTCCCCCTTCCTCGCGCAGG	25795
TTCTTGCCATCCTCAGCGCTGGGGGTGACTCCAAGCCCCCGGGTGGGGGTGGGGAGTGGC	25796
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AGGCAGGTGGAGCTCACGGGCACGGCTTATGGGCTTCCCCAGAGGCTCTAGACACGGGCGTGCCCATGAGCTCCACCTGCCTGC	25798
AGGCAGGTGGAGCTCATGGGCACGCCCGTGTCTAGAGCCTCTGGGGAAGCCCATAAGCCGTGCCCGTGAGCTCCACCTGCCTGC	25799
AGGCAGGTGGAGCTCATGGGCACGCCCGTGTCTAGAGCCTCTGGGGAAGCCCATAAGCCGTGCCCGTGAGCTCCACCTGCCTGC	25800
CGGGCGCGGCCGGCTCCCGGCGCGCGGACAAGAAGCCCGCCAGGGGCCAGAAGCCGGAGCAGCGCTCGCA	25801
CACTGCAAGCCCAACTGGATGTAGGACTCGGTGAGCTTCTTGGCGTCGCCGCCGGCGCCGTGGGGCAGGCAGATGCG	25802
GCAGCCGCCTGCTCGTGGGCGCCACGTACACCGGTTACGGCAGCTCCTTCTT	25803
GAGGCGGGAGCAGACCAGCACGGCCTCGCGGAGCCGGCCCGGCGGACCGTGACGGGTCCCCTCACCTCCTCTT	25804
CCGCGCCGTCTCCCTGGCCACGGTTCCAAACAGCCGTGGCCCGCGGTGTCTGGCGCTCGG	25805
TGATCTTGTTTAGGCCATCATCCCATTATGCTAAGTCCATGGGCAAACATAACAGGATGATGGCCTAAACAAGACCA	25806
CTATGTTTAGAACTGCTTTGAGTATTTCTTGTAAGTCAAGTCTGAAGGTGCC	25807
AGTTGGGCTGGCAGGGTGTGGGGAGAGGCCTCACTGCCGATTCCTCTACCGTTGCCAGCCCGGCTGC	25808
AACACCATTTCCTCTCTGCTCCTCTCCCATAGGGAGCACATGAGCTGATGGTGGGCT	25809
GTGCCTTAGTTATTAGAGGGACTCAACTCAAGAGACCATGATGAGAGGGACA	25810
GAGGTGAGCGGGTTTGCGCCGTGATCTGCAGCCCCAGATCGCCAGCCATGCTCAGCCTCCA	25811
CTTCTTTAGCACGGACATGGTTCTGGGGTCTTGATATAGACAGAACAATGTCTGTGCTAAAGAAGCC	25812
CTTCTTTAGCACAGACATTGTTCTGTCTATATCAAGACCCCAGAACCATGTCCGTGCTAAAGAAGCC	25813
TGCCCGGATTATCACTTACTAGTTTTGTGACTAGTGAGTGATAATCTGGGCATCTGG	25814

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Table 2. Additional miRNA sequences

TGCCCGGATTATCACTTACTAGTTTTGTGACTAGTGAGTGATAATCTGGGCATCTGG	25815
TGTTTAGCATCCTGTAGCCTGCATCCTACTCTGTAGGTTGTAGGATGCTAAACAGAGG	25816
TGTTTAGCATCCTGTAGCCTGCATCCTACTCTGTAGGTTGTAGGATGCTAAACAGAGG	25817
GCCGGCGGGAGTTCCGGGTGGGCGTGGGCTTGGCAGACCCCGCACTTGGAGCCGCTGGTTG	25818
CGGGCGGGACGGCGGCCGCCGCGCTCAGGCTCAGCTTCGCTGCCCGCCCAGG	25819
GGTAACATAAAAGCAGTTTAATTTCATTAGAATTTACTAAATGTCTACTGTGATACAGTCAA	25820
CGGCTTGTGCTCAGACCTCGCGCTTGCGGCGCCCAGGCCCAGCGGCCGTAGCTAGCGTCTGGCCTGAGAACCTCGGC	25821
AGAAGCTCAAATCAAGCCCTTGCTGTTATGATCAAGAGTTTGCTTTGGCTTTGTTTT	25822
ATCCGTCGCGCCGAGAACGCTGGTTAGTCTTGTTTCGGGTTCCGGCTGCGTTGGGCTTG	25823
CCTGAGCACCATTTACTGAGTCCTTTGTTCTCTACTAGTTTGTAGTAGTTCGTAGCAGAGAACAAAGGACTCAGTAAATGGTGCTCAGG	25824
TAGCATATAATTACAACTCTGACCAAAGTTTTATGAATTAAACAAAGTTGTAATTATATGCCATTA	25825
TGGCATATAATTACAACTTTGTTTAATTCATAAAACTTTGGTCAGAGTTGTAATTATATGCTATT	25826
TGGCATATAATTACAACTTTGTTTAATTCATAAAACTTTGGTCAGAGTTGTAATTATATGCTATT	25827
TCAGCCCCGGGGAGGTCGTGCTGCCAGTGTCGGTGCTTGGCCGCCCTCGAGGCGGGGT	25828
GGGCGACACACTGCTCTGGGGAAGGTAAATTGATGCAATTTGATACATTCCCCAGAGCAGTATATCGCCCCT	25829
ATGTGTATATGTATATACATGTGCATATATATGTGTATATACATGTGCATATATATGTGTATATGTATACTTGTGCATATAT	25830
TTTCAGTAACTCAAATAAAAAATATGTTTGTTTTGTTTGTTGTCTTTAT	25831
CTACCCCAAAATATGGTACCCTGGCATACTGAGTATTTTAATACTGGCATACTCAGTATGCCATGTTGCCATATTTTGGGGTAGCA	25832
GGGAAGGGGGAGGGGGAGGGGGAGACTTTCTCCTCTTCTCTTCCCCCCCACC	25833
GGCGTCGCCACTGCGCATGTGCTTGGCGGAGCAGGCCCGGCAGCGGTGGCAGCGGTAG	25834
CGGGGGAGAGGGGCCGGGAGGCGGGGGCCGTGCCGCCCGCTCTCCTCTCCCTCGGC	25835
GGGGGCGGGAGTCGTGCATGCAGCGTTGTGTGACGAGGCGCCGCCCGCCGC	25836
GTGTCCAGCCTGGGCAGGAGCAACTCCGCACACGTGGGTGCCAGGCCCAGCTAGCTGGACACTT	25837
GCCGAGGTGGTGTCCGGCTTCGAGGCCGAGGCCGGACGGGCGCGTCTCCTTCCAGCTGCAGAGGCCGGCGCCGCTCGCAGGCCG	25838
CGGCGGAGATGGAGGAGGGAGGCCGGGACAAGGCGCCGGTGCAGCCCCAGCAGTCTCCAGCGGCGG	25839
CGGCGGAGATGGAGGAGGGAGGCCGGGACAAGGCGCCGGTGCAGCCCCAGCAGTCTCCAGCGGCGG	25840
CGCGCGGGCGCGGACTGAGGCTGCGCGCCGCAGGTTCCGGCTGCTGGCGGCCGTTGCGGCCGCAGGTTTGACTCCCGTGCGGT	25841
GAGGAGCCGGAGCTGGCTCGGGGCTGCTCCCACCCGCCAGCGCCGGCTGCCCAGC	25842
CTGGGGTGCTGGGGTGGGTTGTCAGGCATGACTCACCTCTGCTCCCCTCT	25843

Table 2. Additional miRNA sequences

GTTCCAGACACATCTCATCTGATATACAATATTTTCTTAAATTGTATAAAGAGAAATTATTGTACATCGGATGAGCTGTGTCTGGGAT	25844
CATCCGATGTACAATAATTTCTCTTTATACAATTTAAGAAAATATTGTATATCAGATGAG	25845
AAAGAGCACTGAGTTATAATGCCAAAGTGACCAGCATCGTGACTTTGGAATTATAACTCGGTGCTCTGT	25846
GCTGGCCGAGGCGCCGCCGCGGCAGGCGTCCAAGCCCAAGGGCTACGCTGTGAGCCTGCACTACTCGGCGCTCAGCTCGCTG	25847
TAAAAAATAGATGGTACCTGGAGAGCTCATTTTATTCCATTTTCCCACATCTTGACTCTGCTGTTAATACCATCCATTATTTTGTGG	25848
TGGCGAGCTCATGGGCCAGATGGGCTGAAAGGACAGCTGGCTCTTTTGCTCTCCAGC	25849
GGGAGCGGCTGCTCCTGGGAGGGTTGTGGGTGTGCCCCGCCCCGCCCTTCCGTCGAAGGCCCCCGTTGG	25850
CCCAGACAGCTGCAGCAATGTGTCCTCTGCCACCCACTGCTGCTGGTGTCTGTGT	25851
GCGGCTCGGGACGGAGGACGCGCTAGTGTGAGTGCGGGCTTCTAGAACTACA	25852
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AGGCCAGCGCCGGCGTCGCGGCAGCCGCTTCAGAGGAAGCTCGGCGGCTGTGGCCGCGGCGAACAGGCCGGA	25854
AGGCCGGGCGGGAGCGCGGGGACGTACACGGCGGCCCCGCCCGCGCGCTCCTCCTCCCTCCCGGCCCGC	25855
CGCGAGTGGGAGGTGGCAGGCCTGCGACTCCGGCCTTGTCCGCGCCCGCTCTCGGCGCG	25856
CTTTCTCCGCCCACCCAGCGGTCCGGCCGCGCATGCGCTGAGCTGGCGGGCCCGAGTGTTGTCGGCTGGGAAATGGC	25857
CAGAAGTAATTGCGGTTTTCGCATTACTTTAACGGCAAAACCACAATTACTCTTCCA	25858
CAGAAGTAATTGCGGTTTTCGCATTACTTTAACGGCAAAACCACAATTACTCTTCCA	25859
GCGGGGCCGCGGGCGGGGTGGGGGGTTGGGGGGGAACGAGCCTCCTGGGAGGGGCCCCGCGG	25860
GATGCGGCGCCCGGGGCGGCGATGACCGCGGAGCGCACGCCGCGGGCCCGGCCCTGACCCC	25861
CGGAGGCCAGGCTGGCCGGGCTGGGCGCCAGAACTCACCTCGGGCGGCGGCGGCCGGCGGG	25862
GCGCGGGTGCCGGGTATGACCGTGGAGGAGGCCGCTGCCCTCAGACCGGGCCCAAAGCGCAG	25863
CCCCCTGCCCTGCCTCCTGATGTCATGGCTGGCAGCAGGGCACTGGGGCC	25864
GGACCTGGGTCTGGGCGGGGTCTTCACTGCACCTGCCCTGGGCCTGGGCTCC	25865
AGGCCTGATGGGTGGATGCCCCGGGGCGGATGCTCGGCCCCTGCGCCCTCCCTGCGGGCCCCG	25866
TGAGGAGCCTCTGTGACCTGAGCTGCCCTTGTGGCCTGAGCTGGGTCTGAGGGCTGCTCTCC	25867
GTGGGAGGGCGGAGGTTGTAAGGCGGTCCCGAACCTCCCGTGCCCAGCCGACCGCGTCCCTCCCCGCAG	25868
GAGGGCCGGGCAGTCGGGCTTCGCGGCTGCCCGCGGTCCCGAGGCCTCGCCCTAGCCCCAGTCGG	25869
TCTAAGTGGTGTCCTGTGGCAGGGCTCTAGGGCTCTCTACCTGGTGCCTAGCCCAGGATGAAACTCTGACA	25870
GAGAAGCTGGGGTGGGGGCCCACCCACAGGGGCAGATGTGCAGGTGGCCCCTGGGTCCCTCCCCAGTAGCTGCCCAG	25871
TCCCGGCGTGCACCGGGGCGGCTGGCTCCTGGGGCTCGCTGCATCCTGGTTCCCGTCGTACCGTGGACGCCGGGGCT	25872
CCCGCTTGCCGGTCAGGGCCTGCCGAGCTGCCTGCCCCTTCCAGCTGGGCAGAGTCCCCTGCAAGGAGGCA	25873

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Table 2. Additional miRNA sequences

GCGGCGCCGACACGTGCAGCAAGGCCGCCTGCCTGCTGCGCTCGGCCGCCCTCT	25874
CTCGTCGCCGCAGGTCCCGCCCGCGCCGGCCTTCTGGGCGTTGTGGTCGGGCGTAGGGCTAGGCCGGCAGGA	25875
GCGGCAGCCGGCGGGGCCCGGGCGCGGAAGTTGCCGGCGGCCGCGCGGCCTCCCGGGCGGGCCTACA	25876
TCCTGCCCACATTGGACTAAGGCCTGAGTCCATCAGGAGTGGCCAGTGTTGGGCAGCCCC	25877
CGGGGCGACCCCGCCGGGGCCTGCGGAGGCCCAGGGTCCCGCGCGGAGTACACCCCGGC	25878
CGCACTGTCTGTCCCTCTGTGTGAGCGTGTGCACGCGCCACATGGGGAAAAGCAGTGCTAC	25879
ACCTGAGAAGTGGTGCGAGTGCATCCTTTATGTCATCACTCACACCGCCTCTCAGGTAC	25880
CCGGGCTGCCGCGGGCTGGGGCCGCCGCCGCTGTCGCAGGCCCCTCCCTCGCGCCGCCCGCTC	25881
TGCCGCAGGGATGGGGCAGCTGTGCTGGCTGCCGCTGCTCCTGTTGCTGCGACCGC	25882
CACGCTCGCACTCCAGGGAGGCCAGGTCCTCGCCGCCCACGCGGGGCGCCGGGCCACCTGGGTCTTTGCGGGCTCTCGCC	25883
AGTCGGGTGGTCGCGGGCCATGGAGGGTAGCTTTTCGGATGGCGGAGCGCTGCCGGAGGGGCTCGCGGAAGAGGCCGAGCC	25884
AGGCCCACAGTCATCCGTGCGCTGCGCGGCAAACCCTGTCGCGAGGGCGCCCCGAGTTGCTGCGGGGCCTGA	25885
GTGGGCGGGGAGTCAGGGGCCCAGGGCACGGGTCCAGTCCTGTCCCTGACTGGCTAGTCCACAA	25886
CGTGGCGGTCCCGCCCGGGTGTCCCGCGGTGTCCCGGGTAGGGGCCGCGGCGAG	25887
GGGCCCTGGAGGCAGGCACAGCCAGTGCCCAAACCTGGCTGTCTTGCTGCTGGGTGACCTT	25888
CGGCGGCACTTGCCCGACACGGCATGCAGGGCTGGTGCCACGGCCCTGGC	25889
GGACCGAGGTGGCAGGACTCGGGCTGGTGTTAGAGGGCCCTGGGGGCCCAGAATGAGGTGGGCCAACATGGCTGT	25890
GTCAGGGCGGCAGGGGCATCCCCAGGGCGCAGGGAGCGCAGGGACCAGCTCCCTCCAGCCTGACGG	25891
ATGTGTGCGTGTGTGCATGTGTGTGCATGTGTGTGTGCACGTGCATGTCTGCATACGTGT	25892
CCCTCCTCGGCACTTCCCCCACCTCACTGCCCGGGTGCCCACAAGACTGTGGACAGTGAGGTAGAGGGAGTGCCGAGGAGGG	25893
CATGTATTGATTCACTTAATCTTTACCACAACTCTAAGAAAAGGATTAAATGAGTTAATACTTGCA	25894
CATGTATTGATTCACTTAATCTTTACCACAACTCTAAGAAAAGGATTAAATGAGTTAATACTTGCA	25895
GGCCGCTTTCGGGGGGCGGCGGCCACGGAGAAACTCCCCGACCACCACCCCGGCGGCGGCACGA	25896
GCCGCCGCCGCCGCCGCCACGGTAGCCGCCATCTTCTTCCTGCCCTCGCCGTGGCGGGCGACGGTTT	25897
CCACGGCGCGAGAAACCGTCGCCCGCCACGGCGAGGGCAGGAAGAAGATGGCGGCTACCGTGGCG	25898
GGCATGATGTGGGATGCCCGTGGGCACCCACTTGGCACTCTCACATGCATAGCCTG	25899
GCCTACTTTCTGCACCATTCCTATCAGGAACTTTTTAGTTTTTTGGGGTGGAGAGGGTGGGCTG	25900
GGCCGCGCCCCACCTCGCGCCTCCGCCAGGCACCACACCCCCGCGCCTGCGCAGAAGGGTCGTGGCGGCGGCGGCGG	25901
CCCGACGCCGGAAGTGCCTGGAGCGCGACAGCGGCGGGGGCGGGGCGGCCTGGAGGCTGTGGCGCGCCGGCCGGCAGAGGGAGGGGA	25902

Table 2. Additional miRNA sequences

GCCGCCTGCGCATGCTCCATCGCCTGGGTAGGTTTCCAGGGAAGGCAGCGAGCAGGATCCCCTA	25903
GGCGGCGCGGGAGCTGGGGTTGGTGTTTGGCGGCGCCAGAGCAGCGGATCCCGGTCTCGCCGCAGCAGCAGC	25904
GCGCCGGGAAGCGCCGGCGGCCATCTCCCCGCCCGCCCGCCGTGGGAGGAGGGGGCCGCCAGGCGGCAGGGACCGTGCGA	25905
ACCAGCAGGCGGGGAGCGCCTGGAGCGGGGCCGGGTGCTCTGCCCTCTCCAGGCGCGGCGCTGCTTGCTCTGC	25906
GGCGTCGCGGCCGCCCCCTCCCGCAGCACGCCCCTGCCCCGCCTGGCCGCGGAGGGGAAGGCATCTGGCCGCCCA	25907
CACTCGGAGCGGCTGGCCGGTGCCACCGGCCCCAGGTGGTGAGGGGCTTAGCACCTGGGCCAGTAGCTGTGGA	25908
GGGCTTGGAAGTAGGTGGGGTTGCGAGCCTTATCAGCAACCCTCTAATCTCCCAGGCCACA	25909
CCTCCCGCGGGGGGCTTCCGGGCGCGCCTCGGAGCCCCACGGGGAGACA	25910
GGGTTTTGCCATGTTGCGGATAGTCTTGAACTAGCCGCAACATGGCGAAACCCCA	25911
GGGTTTTGCCATGTTGCGGATAGTCTTGAACTAGCCGCAACATGGCGAAACCCCA	25912
GGGTTTCGCCATGTTGCGGCTAGTTCAAGACTATCCGCAACATGGCAAAACCCCA	25913
CTGCCAGGTCGGGAGGCCCCCTGGTGCCCATGGTGCTCTTGTCCATGGGGCTTGGGTGCATCTGGGCCCCGCC	25914
AAACACACACACACATGCCATTTAAATATAGATATATGGGGTGTGTGTGTGTGT	25915
AGATGGGGAGAACTCAATCTTAAATTCCTAAATACATTTAGGATTGAGTTCTCCCCATCTCC	25916
GGCCGGCCCCGCGGGGGGCGGAGGGGACGGAGGGAAGATGGCGGCAGGGGCCGGATATTGGCGCCGCCTCCCCCAATCCCGGAGCCGGCGCA	25917
ACCTCCATTCTGTCATGACTGACACCATGGTAGTCTGTCAGCTTGACCAGTGGAGAGT	25918
GCGGCTGGCGGGCCCCCGGCGGGCAGGGCTGGCGGGGACCGGCGCGGAGCGCGCCAGCCCAGC	25919
ACCAACCTGGGCCACCACAGCCAAGAAATCCCAGTGGTTCAGTTCAGTGAAGGTGAG	25920
TTCGAGACCTCAGAAGCCTGGACTTCAAACCAAAATGCTGATAGTGATGTGAACAGTGAAGTCCAGGCTGCTGAGGCCTCAGATG	25921
GCGACCGGCTGGCCCTGCTGGCTCCGGGTAATGAGGGGCTTAGCACCCGGGCCAGTGGCTGTGG	25922
TCTCCCCGCCCCCGCCCCTCGTCTCCTCCAAGATGGCGAGCGGCGCAGCGGGGGGGGTG	25923
CACACTGCGCAGGAGCCGGCGCGGGAAGGCGGCGGGGCTGTCCTTCCCGGTCAGCGTCCTACGCGTG	25924
ATAGAACAAAAACAGAAGAAAAGGCCAATGAGTCCCTCTCTTTCCTGGAACCCTTCTTCTCCTGCCCTTGAATATCAGA	25925
TGGATTGCCTAGACCAGGGAAGCCAGTTGGCATGGCTCAGTCCAAGTCTGACCACCTGAGGAATGCCTGGACTGAGCCGTGCTACTGGCTTCCC	25926
TGGTCTCCAGC	
TGTGCCTTAGTGTATTAAACTGAGCCTTGGGTTTTTTCAAGTTTAAGATCAGTGTTATGCAGGGGGTTGCAGAT	25927
AGTACAGATCAAATAATCTGGTACTATATATGTATCTAAAGTACAGATCAAATAATCTGTACTA	25928
AGATAGTTACTGCTACCCAGAGCAATATCTGTGATGAAGACAGTGCTACAGA	25929
AGATAGTTACTGCTACCCAGAGCAATATCTGTGATGAAGACAGTGCTACAGA	25930
ACTCCGGTGGTAGGGGAGCGCGCTGCTGTTTAGAGCCACGAGTTACCGGAGCGC	25931

Table 2. Additional miRNA sequences

CAGCTGCCTTCAGGCCCTGCGCCGCCTCCGGAGTCCATGGCCGGCACGCGCTGGGTACTCGGGGCGCTGCT	25932
CCGGCAGAGACAGGGCACTGGTTTCCCTCTACCAGAGTTCCTGACCCAGCCGAGA	25933
TGCCTTTTCTAGTGCTGTCCCTGGGCAGAAAAGGCCATAGACACCACCAGAAAAGGAGC	25934
GCGGCCCCGGGCTCGGGCGGCTGGGATGGAGCAGAAGAGGCGCGGAGCACCGGAGGGCAC	25935
ACCCGGGCTCCGACAGCGGCTGCAGGTCTCCAAGTTGCGGCCGCTGGAGCCCGAGCCA	25936
GCGGGGGCTCGACGCGTCTCCGCGGCCGGCGTCGACGCGCTGGGGCCCCCGCTG	25937
GCGCCCTCCAGCTCGCCGGCGGGACCATGAAGAAGTTCTCTCGGATGCCCCAAGTCGGAGGGCGGCAGCGGCGGCG	25938
CGACGCTGCCGGGTCCGCCGCGGCGCTGGCCGGTGTGAGCGCAGAGCCGGGCCCTGGGCAGCAGCG	25939
GGGGGCACTATAGCTTGGCAGTGACCATTTGCCAAGTGGTCACTGCCAAGCCATAGTGCTCCCCTC	25940
CGGCGGCCGCGGGGCCCTTGCAGCTGCAGCTGCCCTCGGCGCTCACGCTGCTGCCGCC	25941
ACCCTCGGCTCCGCCGCCGGCTCCTTGCGCCTTCGGAGTGTCCCGCAGCGACGCCGGGAGCCGACGCGCCGCGCGGGTAC	25942
GAGCAGCAGCGTTAGGCCCGGGGTGTGGCTGCACCTCTGCGAAGGCTGTCGTGCCCCG	25943
CAGCGCCATGCTGGGCTCGCGAGCCGCGGGTTCGCGCGGGGCCTGCGGGCTGTGGCACTGGCGTGGCTGCCGGG	25944
CAATGCTTAGATCCCCCCCACTGGTGTTTCACTTTACCAGTGGGGAGATCTAAGCATTGAG	25945
CAATGCTTAGATCCCCCCCACTGGTGTTTCACTTTACCAGTGGGGAGATCTAAGCATTGAG	25946
ATGCTTAGATCTCCCCACTGGTAAAGTGAAACACCAGTGGGGGGGATCTAAGCATTG	25947
CGGCAGGCAGGGTCGGGTAGGGGGCAGAGCCTGGGCGCCGACAAGCCCTGCTGGTCCCCGGCCGAGCCCCGCCTGCGGGCT	25948
CGACTCTATATACATAGCTGTATACACAGCTATGCATATACACAGCTATGTATATAGAGTCAGGG	25949
AGCAAATGAAACAGTAGCTCCAACATCATGGATAGCGCTACTGTTTCATTTGCTAA	25950
CTCAGATTGCCTCAATTTTTTTTGACAAGATAGGAAGTACTGTAATTGGCTGAGAGTGGTGATTTATGGGGT	25951
ATTGGAAATCCTTTGAGTTGCTTCTCAAGGATGAGCAAAGAAAGTAGATTTTTTAGATTCTAAAGAAACTATCTTCTTTGCTCATCCTTGAGAAGC	25952
AACTCCTTATCCATTAA	
GGAGCGGCCCGGCGACGCGCTGACAGCTTCCCCTGCCCTTCCCGTCGGTCGGGCCGCCAGCC	25953
GCGCGGGGAGGAGGCCGAGGCCGCAGCTTGAGGGAGGCCCCGGCCCCTCTGTACGCGTGG	25954
GGCACGTGATCCCCGCGCGCAGAGGAAGGTGGGCGCGCCGACGCAGCTGCCTGGGGAACGCCTGTGAG	25955
TGGGGCTCAGTGGTACCAGGACTGAGGAATTATGGAAACTTGGGCTGTTACTGCTGGGACAGG	25956
TGGGGCTCAGTGGTACCAGGACTGAGGAATTATGGAAACTTGGGCTGTTACTGCTGGGACAGG	25957
CCGCGGGCGCGGGGATCCTGGGTCGCTCCGCCTTGACCCACGCGCCCCACGCCCCGGGA	25958
AGGCATTAGATTCTCATAAGAAGCGGGCAACCTAGATCCCTCCCATGTGCAGGGTTCCTGCTCCTATAAGAATCTAATGCCCCA	25959
TGGGGGAGTGAAGAGTAGATAAAATATTGGTACCTGATGAATCTGAGGCCAGGTTTCAATACTTTATCTGCTCTTCATTTCCCCATATCTACTTAC	25960

Table 2. Additional miRNA sequences

TGAGACAGAGTTTGGAGTCTCGTTCTGTCGCCAGGCTGGAATGCAGTGGCGTGATCTCGGCTCGCTGCAACCTCTGTCTC	25961
GGGGCCGGGGGCTGCGTTCTCACGTCTCCGAGCTCACGCGAGTCGTTGCCCCCCACCCTCC	25962
GTGCGGGGCGGGCGCGGCCGGGCCGGGCGTCCCCGCCCCCCGCAACCCCCCCACCCC	25963
GTCTTGCTGTCACCCAGGCTGGAGTGCAGTGGCATGATCACAGCTCACTGCAGCCTCAATCTCCTGGGCTCAGGCAACCCA	25964
AGGGGCCGGTGCGGCGCTCGGGAGACCCGCGAGGGGCCCTGGAGGTCCTCGGCCCGCGCGCCGCTCGGGA	25965
GAGGGGTGCTGCGCCCCGTGGCCCTGCCCGCTTCATCGCGGCTGTCCCCGCCCCCGCCGCGCCCCCCAT	25966
TGGGGCGGGTGGCGGCGGCTCCTGGATGACTGACTGCCCCAGGTGTCACTGCTTCCCGGCCTGTT	25967
CGGCCTCAGTCACCCGCCGCGACGTGGGAACTGGCGGTGGGTGGCCGAGGGCTGC	25968
GCGTCCAGGAGTCGGGACTGGGCTCCCGCCTACGGCCGCCCTCCCGCCGGGGGGCCA	25969
GACTTTATATTGTTGAACATCAGACTCAAGGCCAACAACTGACTACTTCGAAAATGGGAAGTAGACAATTGTTGATCTTGGGCCTGATGTTCAAC	25970
AATATAAAGTT	
GCGGCGCCAAATCGCGCAGAGGGGGACGCGGGCACCCGCCCGCCCCCAGCGGCGGCCGGGCCTCTG	25971
TTTGGGATATTGGAATAAGTTGGAATATTAACCTATTCCAATATCCCAAAGG	25972
GGATTCTAAGTCAATGGCACTGCAGTTTGAAGATGTGGCAGTGCCATTGACTTAGAGTCACC	25973
GGCCTGCTGAGCCTGGGAGCGCCGGCAGCGCGTTCCCACGCTCAGGCCGGGTCGG	25974
TTTATGCAAAAGTAATTGCGGTTTTTTCCATTTTGATGGGAAAACCGCAATTACTTTTGCACCGACT	25975
TGGTTGAATCACAAGGACAGACCAATAGAGCATGGGTTAATGGGTCTGTCCTCATGATTCAACCACCTTT	25976
TGGTTGAATCACAAGGACAGACCAATAGAGCATGGGTTAATGGGTCTGTCCTCATGATTCAACCACCTTT	25977
AGGTGGTTGAATCATGAGGACAGACCCATTAACCCATGCTCTATTGGTCTGTCCTTGTGATTCAACCACCTTT	25978
CCTCCTCCCCGCTGGGACAGCCAACTGGGCCGGCTGCCAGTGGGGGTAGGAGAGG	25979
CTGGTTTTTAATCTAATGCCCTGTTTCTGTCCCAAGGCATTAGGTTAAAACCCAGA	25980
CTCGGGGAGACTGTCACGGGAGAAAGGGAAGGTGGCACTCCCCCGGACAGGCTCCCCGCC	25981
GCGGGGAGCCTGTCCGGGGGAGTGCCACCTTCCCTTTCTCCCGTGACAGTCTCCCCGAGC	25982
CCTCCTCCCGCGTCTCCGCCCCCGCGGGGCCGCTGGGCGCCCGGGGAGGCG	25983
GCCCCGCCCCCGCCGAGCGCCCGGCCGCCCTCCTGTCTGGGCGCGCGTGGCTGGCGGGTGGC	25984
GATGTTGATGCACGTGACGGGGAGGGCATAGGAGAGGGTTGATATAAAATGCAATTACAGCCTCTTATGCTTTCCAAAGTGGGGGATGATTCA	25985
ATGAT	
CAGCGGCGGGGAGGGGCGAGGCGAGGCGGGAGCCTCGTGTGCCAGCCGCAGCCCCACACCTGCCGGGATGTC	25986
GTCCTCGGGGAGGAGAGGGAGCCAGGGGCCTCCGGGGCTCCGGGTGCGGGGACCT	25987
CTGTCAACCACTGGCACGCCCTTCGATCGTGAGCAGCAGGAGGCGTTTGATGTGGTTGTAGA	25988
CGCTGTGGAACCGCCTCCTGCTAGAGCAGCGGGCTGGCGACGGTCCTCGCCGGGGCGGGAAGCGGCTCAGGCTGCC	25989

Table 2. Additional miRNA sequences

GCGGGGGCGGAGGGGGAGGAGGAGACGGGGCGGGGAGGACCCCCAGGTTTCCGAGTCTCCGCCCGGGCTTTCGTTCCC	25990
GCCTGAGAGGTCTCTCGTCGCTGCAGGCGCCTCAGCCCAGCCGCGTGCCTTGGCCCATGGCCG	25991
GCCGGCGGGAAGGGTCCGCGCGCCATGGCTGGCCGCTCGCGCCCTTTCCCACCGCTGC	25992
CGGCGGCGGCGCGCCGCGTGCACAGCCGGCGCTCGTTCCAGCGGCCTCGCGCGCGCCGCCGCC	25993
CCCCGTGCCCCAGCCGGGTGCCCACCATGGGAAGGCGAGGGGCACGCAGGAGGC	25994
CGCCGTCCGAGGGCTCCGTTTGAAACATGGCGCGGGCTGGCCCTCGGCTGGTGCT	25995
AGGGTGGGGGCTTTGTGGGGACCCCCCTCGCCTCGCCGTGCCCGCCCCTGCACTGGCTGTGAGTCCCCGGGGAGGCCCCTTCCGCA	25996
GGGTGGGGACGGGGCTGGGGAGAGAATCCCCCAGCCCTGTTCCCTCCATCC	25997
CCCCGCCCCTGCCTCCAAGTCCCGTGGCGTCGGCGGGAGCGGCGCAGCGCGGGCCGGGCCGGGACGGGGAC	25998
CCACCCCCCGTCCCCGCCCCATCCGCCCTACCGGCACCTGCGGTGGCCTGGGCGGGGCGGGGCTCCGCTTACCTGG	25999
GGAGACATCTAGGCTTTCCACAGTCAAGGGTGGAAGCCCTAGGTGCGAGGG	26000
CCCGTGCCGGCCCGGCCAGCTACTCTCGCGGTGGGCGCGCGCGTCGGGGCGGCGG	26001
AGAGACCACACTTTGAGCCACTGCCTCCTCAGTGACTTTTAAGGCAGTAGTTCTAAAGTGTGGTCCC	26002
AGAGACCACACTTTGAGCCACTGCCTCCTCAGTGACTTTTAAGGCAGTAGTTCTAAAGTGTGGTCCC	26003
TAGATTCAGAACTCGTGTTCAAAGCCTTTAGCCCAGCAATGGGAGAGTGCTAAAGGCTTCAAGCACGAGTTCTGAATCTA	26004
TTCCTTGACCTGATGCTGTAGGGCTTGGCAACTCTTGTGAAATTTCATAGATCTCGTCGCTTACTGG	26005
TGAGGACAGGAGGGTGGGAGTCTTTACAGTGACAAATTTTGGCTCCCACTCTCCTGTCCCCACC	26006
GGGACGCAGAAGCGAGAAGCGGGGACCTCGGCGCGCGCCCCGCGTCCCGCTCTTCCTGCCCGCGCCCCG	26007
TCCCAAATGTCCAACTGTCCACTGGATATCTCCATGTAGACATCTGACAGGACAC	26008
GGGCACCGGGTTTGCTGCGCAGGGGGCGTGACAGGGCGTCCCCGGTACCCCAGCGGCGGCGCCTCCT	26009
GCCGCAGCTGCTGGGGCCGCCACTGTGGCCGCTGCCGCCACTGGGGGCCCCGCCGCCGCCGCTG	26010
ATATGTACATACGGCTATGCGTATATGCATATGTGTGTATGTACCTACGGGTATGCGTATATGCATATGTGTGTGTATGTATAT	26011
TTTTACATATGCTGAGGAGTGTTTTACTTCCAATTTTGTGGTCAATTTTAGCATAAGTGTGAG	26012
TCTTGGGCCCCACCCCTGGAGATTGTGAATCAGTAAGTAGATCTGGGGTGGGGCCTGGGAAT	26013
GCAACACCTCCTGGATCTATGGAAGCTGCCTGGAAGTCCCATGGCCAGGGAGGCACTGTCAC	26014
CACACCAAGTCCAGCTACCACTACTTTCTCCATCTATCCTGTATCCTCCACCGTACAGCCAGTAGCAGCTGCGGCTACTGTGG	26015
GAGAGAAGCTGTCGGGGACCTGGGGCAGTGAGCCTGTACCCCGTGGCTTCTCACA	26016
ACTTGCGCATCTGTGGATCTGGTATTCTAGTATTCATTAGATCCACAGATGCGCAAGTCC	26017
CGCGGGCGGCCGCTCTCCGGGATGCGGGTTCGAGGCCCGCGTGCTGAAGGGGAGAGCGGGGCCACCGGCGCG	26018
CGGGGAGGGCGAAGAGGGGCTGCCGAGTGGCCTCAGAGTGAGGGGTTTGAGGATTCGTTGGTGCCCTCGCCGCCCCCGCC	26019

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Table 2. Additional miRNA sequences

TTGGGCTCGCGTCCTCGGCCGCCGCGGCACCCGGGCCCAGCAGCCGGGA	26020
CCCGAGCTACCGGGGGGGGCATCGCCGCGGGCCCGGGAACCAATTCTCCTGTCGGCGGGGGGCGTCCCTCCCTGCGGCTTGGTGG	26021
ATGCAATGTGAGCCGCGTGGCAATCCAATATAGGGGCATAGCCAGCGCTTATTTGGCCTGGATG	26022
CAGGTGAGCGCGACGGCACTGGCGGGTGCGGGGCGCGCGCCTAGGG	26023
GTGGCAGTAGCCGTGACACCAGTGGCTTTGGGTGAGGTCACGGCGCCTGCCAGCCG	26024
GTGGCAGTAGCCGTGACACCAGTGGCTTTGGGTGAGGTCACGGCGCCTGCCAGCCG	26025
CCGCGGGCGGCAGCCGTGCCCAGGCTGCTGCAGCGCCGCCCCGCCGC	26026
CGAGCCGTGAGGGGGTGTGCGCGCGTGAGCCGGAGCGGGGCTCGCCCCTCGCCGGCGCCCGCCCAGCCGGTGATTGCT	26027
GAGCCAGCGGGAGAGGATTAGGGCTCCCGAGGCAACTTGCTCGGGGCTCAGGCCGTTCTCCCCCGAAGCTCGGGCTGCC	26028
CTGTGTGTGATGAGCTGGCAGTGTATTGTTAGCTGGTTGAATGTGAATATGTGGCATCGGCTAACATGCAACTGCTGTCTTATTGCATATACA	26029
CACGCGCCGCGCCGCCAGGTAGTCCCGGCCGCACCGGCGACAGGAGGAGCCTTGGCGGCAGCGCTGCG	26030
GCCACAGGCCCCCGCAGCAGACGGCCAGGCATGGCTGCCCCGCGGGGCCGTGACCAG	26031
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CCGTGCGCACAGAGCAGCCTTCTGAGTAGCTGGGGTTACTCCTGGAAGGCTGCTCTGTGCCCACAGTC	26033
CCGTGCGCACAGAGCAGCCTTCTGAGTAGCTGGGGTTACTCCTGGAAGGCTGCTCTGTGCCCACAGTC	26034
CTCCCAGCGCCAGCTTTGTCTCCCCGCCGGTATGAGGCTGAGACTTGGAGGAGGCTGAGCTGCGCCGCTGGGGA	26035
GCGGGCGTGGGAAGCTGCACCGCGCTGCCGCTGTGGTTTCCTGCGACCTGACC	26036
ACATCTGTCAGTCTGAGTGACTGGTCTTATAAAGTGACCTTTGAGACCAGTCATTCAGACTGACAGATGTT	26037
ACATCTGTCAGTCTGAGTGACTGGTCTTATAAAGTGACCTTTGAGACCAGTCATTCAGACTGACAGATGTT	26038
GGGGGGCGGAAGGCGAGGGCGGTGGCAGGAAGGGTCCGCCAGGCCTGAGCTCGCTCCCCCAC	26039
TGAGCCCGGGTAGGGCCAGGTGGCTGCCCTTTCACCTAGGGTAGTCCCTGGTCGCCTCCGCTCTTC	26040
ATGTGCTACCCTGCTTGGCTTGTTTTAAAAATGCATTTCAAGGCAGACGCGGTGGCTCACGC	26041
CTCCTTGCGCTCGGCGGCCGCGGCAGCAGCAGACGCTGGCGGCCGGGCTGCCAGGAGCA	26042
GCGTCCTCCTGCCGCGTCCCGCCTGGGTGAGGTCCGGCGGGCGACCGGTC	26043
GGGAGGGCGAGGCCCGGCTGCCTGCGCTCGCGTTCCCAGGCCCTCGGAACCGCGCGCCCTC	26044
GTGAAGCGGAGCAGCCCGAGGCGGGGCAGCCTCCCGGAGCAGCGCCGCGCAGAGCC	26045
GCTAATTTATCTCCACCAGTTGGATATAAATTATCCAGCTTGTGGAGATAAATTAGCAT	26046
AGCAGCACCCTCTTCTCTGCCAGCCGGCCGGCGGAGGCGGAGGCAGCGGCAGG	26047
CCCAGCCCCGATGGCCCTGCCCAGTCCCAGACAGAACCTACTATGTGCGGCGGCAGCTGGGGGCGGGAA	26048
AGCGGTGGGGCGAGGAGGTGGCAGCGGTGTGCAAGGAGGGCCTGATGGGTCAAGATCCTCTTTGCCCACCGCCCTGC	26049

Table 2. Additional miRNA sequences

CTGGGAGCGGGTGGAGAGGAGGGAAGCGAGACCTCCCCGCCGCCCGCGACCACCC	26050
AGGCGTGAGTTAGCCAGGTGTCTAGTACAGGCTAGTACAGGCTGCATGCTTGT	26051
TGCTGCCACCAGATAAATACATGATGACCTCTTCTTTACAGGTCAGGTGTTTATCTGGAGGCAGCATG	26052
GCTCCTGCTTTTGAAAGCCAATTATAGTGATAAAAGAGGGAAAGGGATGAAGGTGAAGTAGTGAAAGGGCAGGATACC	26053
CCGTGCCCGTGGGCGGAGGACATAGGCTGTGGGTGTGTCCCGCCCGCAGGCGCGCGT	26054
TGTCAGGGGGTGTGGGCACGGGGGGTGCGGGGAGGCGGTGCAGGAATCCGTCCCGCCGAGTGCCGTCGGCCCCTGTGGGC	26055
GGTGCCCACGACGCACGGTCCAGGGTCCGAGGGCGGCTGGGCCGGCGGACTGGGCATCCAG	26056
AGGACTGGCAGGCATCCAGGCGCCAGGCGGAGCGCTGAGGGAGGCTCCCGCCGGCCGAA	26057
CAGTCAGCTGGGCCGCCTCAGCTCTCGGAGTAGGAAGCTCGGGCGCTCCGGCTGTAAGGA	26058
ATGAGAAGATGTTTTTCCAGGTTTTTCTGAAACCTTTTTATAGTTTTTTATTTGTA	26059
ATTAGGTTGGTATAAAATTAATTGCAGTTTTTTGTCATTACTTTCAATAGCAAAAAACTGCAGTTACTTTTGCACCAATGTAATAC	26060
GGCTGCGGGCAGGTGGGCGGGAGGCGGCAGCGGTGGCGGGGCGGCCTCCTCCTCCCGCGCGTCAT	26061
CCCAATGGCAACTTACAACTGCTATTGACATGAAGGCAGTTGTGGTGTATTTGTTAT	26062
GCCCTGGGAGTGGAGACGCGGAGCTGCGGTCGCCGCTTTCTGGGCTCGCTCA	26063
GCCCTGGGAGTGGAGACGCGGAGCTGCGGTCGCCGCTTTCTGGGCTCGCTCA	26064
TGCTAAGTTTAGTTTTTCTATTGCGTAGAGTCTCTGTAGTACTGATATTAAACTTG	26065
CGGCGGCCACTGGGCATGCTCCGTTGTCAGGCAAGTTCGGGGCTGCAGGC	26066
CTGATTCCAGATTTGCCTGCTTCAGACAGTTCTGTTATCAAAGAAACAGTTCTGTTTGAAACAGGCAAATCTGGAGTCAGCC	26067
TTTCCCCAGCCTTGTCTAGACATGGACCATGCAAGTCCATGTCCAGACAAGGTTTGGGGAAATC	26068
CGGGTCGGCGCGGGCCCAGCCGTGCGTGCTCACGTGACGGGGTCCGCGAGGCCCAGC	26069
GCGGGGCGGCCCGGCCGTGGGCGGAGCGGCGGCCGTGAGCCTGCCCCCAA	26070
GACGTGTCCAGGTCCGCGCCCCGGGAGCTTGGCGCGGCCCGGCCTGGATGCGCT	26071
TCGAGGCCTCCCGGGCAGGCCTGGCGGAGGGAGGAGCGAGGCCTGCCTGCGGGAGACC	26072
GAGGCCGGGCCGGAGCCGCAGGCCAGCCGCGATTCCTTCGGGCGATGCTGGGGGCTTTCCGGTCGG	26073
TGGCTGGCCGCGCTCTTCGCACGGGGCGCTTTTGCGTGGGGTCGCGCAGGAGCCGCGGAGGGCCGGAT	26074
TGGCTGGCCGCGCTCTTCGCACGGGGCGCTTTTGCGTGGGGTCGCGCAGGAGCCGCGGAGGGCCGGAT	26075
AGGACTGGAAGGTGGCTAGGGATGTGTAGCGGGAGAAGGGTCAGTCTCGATCTTCCCCTGTGAAGCTGTCAGCGACCATCAGAGGGTA	26076
GCGGCGGCGGCTGCGGCGGCGGCTCCTCCTCAGAGTCCGGCTCAGGCTCCGGCTGCGGCTCCAGCCCGCGA	26077
CGGCGGCGGGAGAAGCCGCGGAGCCGCCCTGCCCCCGCCCGGGACCGGCCTCCCCG	26078
CAGACTGGGCTGGGCTGTGGGAAGCATTCCCCTTCAGGGGAGTTTCCACAGCTCAGCCCAGGCTCCA	26079

Table 2. Additional miRNA sequences

CAGACTGGGCTGGGCTGTGGGAAGCATTCCCCTTCAGGGGAGTTTCCACAGCTCAGCCCAGGCTCCA	26080
GGGACTGTCACTGGGCGTGCCATTGGGCCTTCTGTGGTGAGAGGGGAGGGCAAGGCCTGTTCTCAGATCCCCTG	26081
TCCTCGGCTGCGGCGGGCACCATGGTCGGTGGCGAGGCGGCTGCCGCAGTGGAGGAGC	26082
TCCCCCCCCTCTCCGCGCTGGCTTCCTAGAACAGGCAGCCAGGAGAGAGAGGGAGC	26083
TCCCCCCCCTCTCCGCGCTGGCTTCCTAGAACAGGCAGCCAGGAGAGAGAGGGAGC	26084
ACGTGCAGCCGGTCCGGTCCCAGACACCTTCCGGGGGCCACCGCCTCCGCCCCTCTCCCGGCCCGGTGCACGCGG	26085
TGCGCGGCGGCCGCGGCGGGTGCTGGGAGCCAGCGCCTGCCTCGCCGCCGCCCTCG	26086
TGCGCGGCGGCCGCGGCGGGTGCTGGGAGCCAGCGCCTGCCTCGCCGCCGCCCTCG	26087
TGAGGGCGCGGCGGCGGGCGGGCTTGGGGCTGGAATTCCGCCCGCGCTCCCTCGCTCGCTCGCTCCCTCCCCAGCCC	26088
CAGAGTCCTTGTGTGTTTTCAGCCCTTCTCAGTCTGGGGCTGAACACACACAAGACTCTGTG	26089
TGCCGCCGCGGGAGCCGAGGCCGAGGCTGAGGCCGCAGTGTCCGCGAACAGCAGC	26090
GAGCCTTCGACGCAGTGAGCACGAACTGAGCAGGCGCTGCAGCCCGGGCTCCC	26091
CGGGCTGGGCGCGAAGAGAGGACCGGCTTGGCGGCTCGGTGCTGCCCCCTGGAGGTTCCCTCTCCACTCCCAGCCCCGGA	26092
GGAGTGGAGAGGGAACCTCCAGGGGGCAGCACCGAGCCGCCAAGCCGGTCCTCTCTTCGCGCCCA	26093
GTCTACTTCAAATTCCTCCCTTAGGGGCCTTCAGGACTGTTAGGGTGAGATGTGAGCTGGTGT	26094
AGCTGGTTGGCATTCTGGCCCTGGTTCATGCCAACTCTTGTGTTGACTACCCCAGGATGCCAGCATAGTT	26095
AGCTGGTTGGCATTCTGGCCCTGGTTCATGCCAACTCTTGTGTTGACTACCCCAGGATGCCAGCATAGTT	26096
TCGTCCAGGGAACCGGTGCGCAGGAGCAGCCGGGGGCGCGGCGCCGGCCGCCCTTGGGGGACT	26097
GGTGCAAAAGTAATTGTGGTTTTTGCATTTTTTTTTTTAAATGGCAAAAAACAGCAATTACTTTTGCACCACT	26098
CCCGGCCGCGCCGCCAGTTCGGGCGCCTTCGGGCAGGATCGCCCAGCGGGGGCCGCGTT	26099
CGGGCTGGCTTTAGCTCAGCGGTTACTTCGACAGTTCTTTAATTGAAACAAGCAACCTGTCTGGGTTGTTCGAGACCCGC	26100
CGGGCTGGCTTTAGCTCAGCGGTTACTTCGACAGTTCTTTAATTGAAACAAGCAACCTGTCTGGGTTGTTCGAGACCCGC	26101
GACCATGTTGGAGACAGAAGAAGGAATCCTACTGCTGGTCAGAGCCATGGATCCTGCTGTTCCCAACATGATGA	26102
TATCCAGTTCCGCAATTCACACTCGTTGCCAAAGAGTGGGGAGCGGGAATGGATAC	26103
TTGGGAGCAGGAAGGTTTGCTCAGGGGGTGGCTGGGTGCTGCTCCCGATA	26104
ACTGCCTGGTGCTGTCCCTGAGCAAGGGCAGGACAGGGACAGCTGTGACAGGAAGTAC	26105
AATTGAACTGCTCTATGCTACTGTTCTTTAAAACATAGGTAATAAGAGTAGCACAGAATAGTTCAGTTGC	26106
GCTGTGCTACAGTGTTCTGGTGTCACGCTTATCAACCAGTGCGAGCTGCACTCTAGCACCTCC	26107
CTCCGGGCCTCTGCGGAGCCCTGGGCAGCTCTGAGCTCGCGGAGGCGTGGCCGGTGCGGGGGCCCGCGCGCGGGGAT	26108
TCCCCAGTGGTCTAGCCCTTGAGAAATGCTGCTCCTAAGAGAAGGGAGTGCAGCACACCAAGGGGGGAACCCCTGGGGACC	26109
TCCCCAGTGGTCTAGCCCTTGAGAAATGCTGCTCCTAAGAGAAGGGAGTGCAGCACACCAAGGGGGGAACCCCTGGGGACC	26110

Table 2. Additional miRNA sequences

GAAAGCAAATTCACAGGGAGCAACTGATCCATTCCACAACAGAATGCTCCCTGTCAATTCGCTTTCCA	26111
GAAAGCAAATTCACAGGGAGCAACTGATCCATTCCACAACAGAATGCTCCCTGTCAATTCGCTTTCCA	26112
GACTCCCAGACTAGCTTCTTTGGGGACTAGGGGGTTGGTGTGTCTCGTGGCCTCCCCCAGGCTGGCCTGGCTGCAG	26113
CGCGCGTCCCGGCGCGCCGGGCTCCTGGGGCCTCACCACCTCGCGCGCCCCAGGGCGCACCACCGGC	26114
AGCCAGGGCAGGCCGGGCCTCCGGTGGCCAAGGTCTCGGAGGCCAGGATGCCTGCCCTGGCATGC	26115
ACCTCTGAGCTCACTCGCTGGTTGCTGGCAGGCCTTAGTCCTCAACAGCTGTGGGCCAGAGGCTTCAG	26116
GCCTCCTTTCTGCGGGCCGGGCCCGTGGTCACCCGGCCTGGACGGAGAGAGGAGGTGA	26117
CACCTAATGTGTGCCAAGATCTGTTCATTTATGATCTCACCGAGTCCTGTGAGGTTGGCATTGTTGTCTGGCATTGTCTGATATACAACAGTGCCA	26118
ACCTCACAGGACTCAGTGAGGTGAAACTGAGGATTAGGAAGGTGTA	
CTGTGAGGTTGGCACTGTTGTATATCAGACAATGCCAGACAACAATGCCAACCTCACAGGA	26119
GGCTGGGCAACATAGCGAGACCTCAACTCTACAATTTTTTTTTTTTTTAAATTTTTAGAGACGGGGGTCTTGCTCTGTTGCCAGGCTTT	26120
TGCGACTCCGTGCGTGTTCGCTCTGCCTGTGAGGTCGCGGGAAGCAGCGCGCAGGAGCAGAAGTAACAGG	26121
AGGCCCAGCCAGCACCGCGCGTTGCGTTCCCGCTACCGCCGGGCTGGGAAGGGCGGGA	26122
TGGACCCGCCGCGCAGAGCCAGGTAAGCGGCCCTCGCAGGCCTCGGGCCGGGCACGGGGACTAGGATGCCGCC	26123
AGGGTTGAGGGTGGGGAGGAGATTGACTGTGTTTTCCTCTCATTCCTTGGCTCAGC	26124
GAGGGCTGGGAGCCGGGTGGGGAGGCGCGGGGCGAGCCGGGGGGTTCCAGACGCGCCTCCACCGCCGGGCAGTGGGCAGGTAT	26125
GCAGACAGCTCCAGGTCCTCCGGCCGCAGGCGACGAAGGCAGAGCGGCTGGAGAGCGCGGAGCCCCGGCGGAGAGC	26126
CCGGTAGGTGTAGGCGCAGCCGCCCAGGCGACGGCGGCGTCGGCGGCCGCGCGGCACTGGCA	26127
TCACACATATTTTCCATGCAGTTGCAACCATGTACTGCAGTGAAAATATGTGTGGGGGC	26128
CCCTCATTATGTTGGTGACCACAATTATAACAATAATTATAGTCACCAACATAATGAGAGCA	26129
CACGGCGCTCTGTGTGTGTGTGTGTGTGTGTTTGTGTGTGCGCGCGCGCGTGTGTTGTGTGCG	26130
AAATTATTGTTATTACTGAGTGTAAAATTTATTTTTAACCCTGTCTGTAGTGGCTAAGTTTTCA	26131
AGTTGCTTATGTCAGGTGAGAGAGGGGTAGACACCAATTCTCTCTCACCTGGCATAAGCAATTCA	26132
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TACTGCCCTCGGCTTCTTTACAGTGCTGCCTTGTTGCATATGGATCAAGCAGCATTGTACAGGGCTATGAAGGCATTG	26134
AGGCCTTTGGCACTTAGAGGAACATATGACAAATGATTTCTCTAAGTGCCAAAGACCTGT	26135
GGCAGTGCAGAAGGGAAATGTGGGGTCAGAGCTCCCTCACAGAGTCCCTTCTGGAACATTGCCT	26136
CAGACACAGGTATGGCTGGCTCCAAAATTTGTGCCTGGAGTCAGACAACCTGGGTTCCAAT	26137
CGAGTGGCCGTCCAGCCGCACGTTCTTGGCCTTTGGCCTGCGCGTGGAAGCGCGGCGCCTCGCC	26138

Table 2. Additional miRNA sequences

GGTGCAAAAGTAATGGCGGTTTTTTGCCATTACTTTTTAAAATGGCTAAAACCGCCATTACTTTTGCACCG	26139
GCCCCGGGCCGGTCGCGCCGCCCTTGTCCCCGGAGTGAACTCTCCCTCTGTGCGCGCAGCTGATGGCGGGGGCGC	26140
ACTCCTGGACTCAAGCGGTCCTCCCACCTTGACCTCCCCAAGTATTCGGATTATAGGTATGAGCCACTGAGTT	26141
GTGCTCATGTCCCTGAAGCAGACGCCACTGTCCCGCTAGGTGCCTGCTAGGTGCATGGCCACAGA	26142
CGGCTCGGGGTGACAGCGTCGCGGCCGCCGGACGCAGCGCGGGGCAGGCGCGGGCAGAGCCGAGCGCAGCG	26143
CCCGGTGGCCGGAGAGGAAGTGCGGTCCGCGCCAAGCCCGTCCCCGCCGACGC	26144
CCAGGGGGGGCAGGAGGTGTCGGCTGGGGCCAGGCCAGGCTGCTGACGGCCCCCCCTCCCCTCCACA	26145
CGCCGGGGCGGCCCTTCCTGATGCCGGGGGTGTGTCTCTCGCGACGCGGGGGGTGGGCTCCGGACGCCGGGGCTGGCCTTGCCGAAGTC	26146
AGGAGGCGGCGGCGGAATAGGCCGGGGCAGGTCGCGCTCGCTGCCTTCTCC	26147
GACGCGGGGGGAGGGGGGTGCGGCGAGCGGCCCCGCTCTCTCCCCACCGCTCCGC	26148
CGAGCCTGGCGGCGGGGTGTGCGCCGAGCCCCCGGCCCGGCCCTCGCGTGCCTCCCAGGCTCCGC	26149
AAGAGGTCGGGGAACGGCTGCGAGGCCGCAGCCTCCTCCCTGTCTCTCCC	26150
GGTGGGGGTGGGGGGCTGGAGCTGCCGCTGTCCTCTGCTGCAGGCGCCCCACTTCCACCCA	26151
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AGGCTGGCCTGGAGGGCAGGCCAGAGATTGGGGCTGCCATCTGGTGCCAGCCTTTG	26153
CTGGGGAGGACAGCCATGACAGGAAGTGGAACTCACCCGCTTCGCTGCCCTTCCCAGA	26154
CTGGGGAGGACAGCCATGACAGGAAGTGGAACTCACCCGCTTCGCTGCCCTTCCCAGA	26155
AAGGAGAGCCCAGGGTCCCTTCTGGGGCTGACCAAGGAGATCACCATGGGCTTGACCTTCA	26156
CGGGGACGGCGGGCGCCTCAGCCTGCGGTGACCCGGCGCATCTTGGCGCGGCCGCCGCCGCC	26157
CCTCGGGGGGCTGGGAGCGCCTCTGCGGCTGAGGGGTCGGGCGTGGCCGGCGACTGAGGGGTC	26158
GGTCCGCCGCTGGCCCGGAGGCCCTAGGAGCTGGTGCTGCCCCCGCCCGCCGGGCCGCGGAGGAGGCA	26159
CTGGCCCCCGCCCTCCGCGTGCGCCCAGCGCTCTTGCAGGCGGAGGGGTGCGGGCCGATCCC	26160
CAGCCTCGGCCCCCGCGGGCGCCCGCCGCGCACCCGAGGAGATGAGGCTCCGC	26161
GCCGGCGACGGCGGTGCTGCGGGCCCCTTTAAATCCGGGCCCGCCCCTGCGCCGTCGA	26162
GGGGTGGGCTCAGGGTGGCAGGAACCTTGACCCGCTCACTGCCTGCCGCTCTGCTAATTCCTCCCCCCAG	26163
GGGGAGGCCAGTGTTGTGGGCTTCCTGCTGGGACTGAGAAGGCTCACGAAGGGCATCCGCAATGTTGGTTTCACTGAG	26164
GGCGGCGGGCGGGCGGGTCCGGTTCCGGCCCGGCCTCGGCGCGTCGCGG	26165
GGGCGGTCGGGCGGCGGCGGCGGCGGCGGGCGGGCGGGCGGCGCCCCGG	26166
CCCGGCTTCCGGGTAGGCAGCCCCCAGCCGCCTGCCTTGCCAGCCGGTGC	26167
GCTCGATCTTGGGACCCACCGCTGCCCTCAGCTCCGAGTCCAGGGCGAGGTAAGGGCTGGAGTCGGGCAG	26168
CTGCTTCCGAGAAAGCTCGCAGAAGCGTTCGTGCGCAGGCGCGGAAGCCCCGCACAGCACGCGGTGGGCCCGGTTCGGGGGGGCG	26169

Table 2. Additional miRNA sequences

CGCACCCAGCTCGGAGCCCGGAGCGTGCCTCGGCGGCCTGTCGGGTAAGGCCGGGCCTCGGAGCGGTGGCGCGGG	26170
ACCAGGCAAGAACTACTGTCTCGTCGCAACTTGAGGAGACAATATTTCTTGCCTGGTTT	26171
TGGCTGCCCTGTCGCCCTTTGTGCCGCGAGACCCCGATCCTGGGGGCCAGC	26172
TGTCTCAATTCTAGGACTGGTTGCCATAAAGGAAGCCCACGACATAGAGACCAGGCTTAATGAGGTGGA	26173
CGGGGCTGCGAGTGTCGGGGGCGGGGGCGCGGGCCGGGTCGAGCACCGCCCCGACGAGGGCCCAGGC	26174
GCGCGGCGGAGGGCGGCGCGAGGGCGCGGCTGCCTCCGCTCTGCCCGCAGC	26175
CCGCGCGCCCGCACGCCGCCGCGCCCCCAGCCCGCCCGGCGGGGGCGCGATG	26176
CCCCGGCGGGCCGGCTCGCGCTCGGGCTCATCGCGCCCCGCCGCGGGGCCGGGCGGGCTGGGGCG	26177
TTCTTGCCTACCACCTCTCTCTCCCACCAGCACCAGAAGTGCCAGGGGTGGGGGCAGGTCGGGGGGGGTGGGCAGCGGATC	26178
CAAAAGGCCTCGCATGGCTCCAGCGGCTATGTGGATCCATGCAAGGCCTTTTGGGG	26179
TGGAGTTGATGTCACGTCCGGCGGCGGCAGCGGCAGCGGCGCTGAGTTTTGTCTCCCGGG	26180
CACCGCCCAGGGCCTGCCGCGGGCTCGCGAGCGGAGGTGGCACCGGTCCGCGGTGCG	26181
GCCGCGAGCCCAGGCCCCGGGGCGCTCTAGGACCCGTCGGCCCGGGGCGTGCGGAGCGGCTC	26182
GAGGTGCGTCTGCAGTCCCGGGTTCGGGCCCTAGTAGTCGGTGGCTGGTCGGTGACTGGGACCAGACCGTCGC	26183
CGCGGCTTCGGGCGCCTCGCAGCCCGCCTGCTCCTGCAGCTCTGCACCGGAGCCGGAGGCCGCCTC	26184
TCAGCTCTACAACTCAGTGTCTTGTTTTTAGGTAGTTGAGTTGTAGAGCTGGAA	26185
CACTCACTTCCTGTTCTGTGGCCTGTTAGGAATCGGGCCACACAGCAGAGGGTGAGCAGC	26186
GAGATCCGACTTTTTTTAACATTGTGGTGTCAGAACTTACACCGAAAGATACTTAACAGATTAGGAGAACTCA	26187
TTTCTCAGGTGTTTGCAACAGTGTTCTAACTATTAACGCTACGATGCCTGAACCT	26188
TGTGTGTGTGTGTGTGTGTGTGTGTACATGTGTACACACTCGCACATGCACATA	26189
CGCTGCGGGCTGGAGAGCTGCTGTTGGAACAGGGAGGAGTTCTCCGGGCCGCACCCT	26190
CGCTGCGGGCTGGAGAGCTGCTGTTGGAACAGGGAGGAGTTCTCCGGGCCGCACCCT	26191
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CCTGGGCCAGCGGCTGCGGAGGGTGTACTGGGTCCCCCAGCAGTGCTAGCCCACCGGTG	26193
CTTGGCATTCCCCTGCTAGGATGGAACAGTGGGTTTGCAACCTAGCAGAGGAATGCCAAGCT	26194
AGGCCATGACCATCGAGGGCCGCCACCTCATGAGCACCGTGGCCATGATGGTCCTGGCCACG	26195
ACGCGGGAGCGGGGCCAGCTCCCAGGAAAGCTGGTCTGCGAGCGGCCCCTGCCCGGCTCC	26196
GGGCAGGAGGCTGCCGGGGCGCCGGAAGCTGCTGTCCCGGCGGAGTCGCAGCG	26197
GCCATAGAAGCTGTGGTGGTCCCAGAGCCTGCACTAGAGACTGTGGTGTTCTCGGATCCTGCCGTAGAGGTGGTGG	26198
ACCGCGCCTGGCCGGGGAAATATCTCTTACAGAAATAAAGGCAGTTGGCTGGGTGTGGTGG	26199

Table 2. Additional miRNA sequences

TGCTCTCGGGAGGCCTGGCCCTGACCGAGACCTGGGCCTGTGAGTGCGGG	26200
GCGGAGTGAGCGAGGGAGACGGGAGGAGCCGAACCCGGCGCCATCCTCCCCCGCCCCACCGCCATCCCGTCCCGG	26201
GAGCCGGGGCCATGGCGAAGCTGCTGAGCTGCGTCCTAGGCCCCCCGGCTCTA	26202
GAAAGAAGAGGGCACATGGGTGGGAGGCAAAGGGCTAGGCTCACACCCCGCCTCTGTACCCCACCTCCT	26203
CCCTGGGTCTAGGGGAGAGAGTCCCTGAGTGTGAGACCCGCCTTCCCCGGTCCCAGCCC	26204
CCCTGGGTCTAGGGGAGAGAGTCCCTGAGTGTGAGACCCGCCTTCCCCGGTCCCAGCCC	26205
CTTTCCAGAGCGAACCTGTGCGGCTGCAGGCACCGGCGTGTTGAGTTTCCGGCGTTCCGAAGGACTGAG	26206
CGGGGACTCGTTGGCGGCGTGGAGGGGGCGCCGGTGGCCACGTTGGTGTCAACCTCCTTCGTGAAGCTCACACCTCCCCCGC	26207
GATGCCGAGTACTGGAACAGCCAGAAGGAAGTCCTGGAGGGGACCCGGGCGGAGTTGGACACGGTGTGCAGACACA	26208
GAGGCAATCTGTCAGGCGCCGCCCGGGCGGCAGTATGCCTGAGGGGGTCCTCCG	26209
GAGGGGAGGAGGGGGAGGGGCTAGTCTGAGCCGCAGCCGCGCCTCCTCCGCTCGC	26210
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AGGCCAGATGGGGCAGGAAGGCTCCGCAGGACCGGACCCCTAGACCACCCTGCCCCACCTGCCCCTT	26212
ATGGGAGAGAGAAGGGCTGGTTCTGGATTGTTGGGAAACTCCACAGTACTTGACCTTGACTCTCCCTCA	26213
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GACGTCCAGACTCAACTCTCGGCCGGAGCCATAGACTCGAGAATTGCGTTTGGACAATCAGG	26215
GCCGCAGTCGGCCAGCCATGGAGCGGAGCTTGCTGGCGGCGAGGCCGCGGCGA	26216
GGTCCGGGGCCGGAGACCGACGGCAACAGCGGCTCAGGACCCACGCTGCCCC	26217
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CTTCGCATGGTATTCTGTGACTGGCACCTTCTGGGACACACCACAGAATGCCATGTGAAGGAT	26220
GGACGGGGTAGGGCGGGGCGCGCGCAGTTTTCCGGCGGCCCCTGGCCCGCCCGCGTCTGG	26221
CGGCCGCGGCGCCCCGGGAGCCGAACGCCCTCCTTCCAGGTCCCGCCGCGGTCGCA	26222
AGACATCAAAGGTTCTTGCTTCCAAAGTGGGAATAAACGGAACCATGAACCTTTTATTGCTCCA	26223
CTTAGAACTTACTCCTGGGCACAGGGTGTGGTCACGGCAAATAGGATGTGTCTGGACT	26224
CTCGCCACCCTCGGCCTGCGGCTCAGCCCCTCGGCCCGCAGGATGGATGGCGGGTC	26225
ACATCTTTTGGGATGAACCGGCTCAGTCCTTGAGCTCACCCCAAAGATGATGA	26226
CAGGTGGCCTGACACGGGAGGGAAAAAGAAATTGTGGTAGTCTCTCCCTTCTTCAGTACACCTAC	26227
TCAGAGGGCAGAGGGCCCACGTTGGCTTTCCTTTCTTTACTTGGTCTTCTCTGCCCTCCAGC	26228
TCAGAGGGCAGAGGGCCCACGTTGGCTTTCCTTTCTTTACTTGGTCTTCTCTGCCCTCCAGC	26229
GAGGGGCACCACCAGGGCTAGCACTGTACCGCTACCGCTGGTGGTGGCTCTCGA	26230

Table 2. Additional miRNA sequences

AGGACGCGCGGCCCGGCCCTGGCCGTCCCTGAGGGCGCGGGTGGGGCGGGGCGC	26231
CCAGGGAGGCCCAGGGTTGGACCAGAGTCTGGGTCCATCCTCCCTGGGCCTCTCTGGCC	26232
CGCGGGGCTGGGGCGCGCCAGGCGGCTGCGGCGCGAACCTGCTCGCGCAGC	26233
GCGCCTGAAGGGAGGGGCCGAGGGGGCTCCCGGCTCGGCGGGCAGCGCCGCTCGGGCCACGCGCTGGGCGCCC	26234
CCACCTGACCTGATTCAATGCTTTATCCAAACCAGCACTGAGTCAAGTCAGGTAGTCC	26235
GGTGGTTCCTTAAAACAAGGCGCTGGTTGAACCAGCGCCTTGTTTTAAGGAACCACCCA	26236
CGGGGGCCGCCCGGGGCTGCTCGGCATTGGTGCGGAAACCCGAGCCCGGAGTCGCTCCCTCG	26237
GAGAGCAGGTCCGGGGTGCGGCGGGGAGAGCTCGGGGCAGGCGAGTCGCCCCGGCCCCGTTCCCGCTCCCGCTCCG	26238
CCCGGCGCCCACCGCGGGGGCCCTCTACAGCGGCAGCGAGGGCGACTCGGAGTCGGGCGAGGAGGAGGAGC	26239
AGGCTCTCTCTGCCAGCCGTGCGGCCAGGCCCGCGGGGTGGTCGGGGGGAGCCGGG	26240
GGCTAGCACCAGCGCTCTGTCGGGAGGCGCAGCGGTTAGGTGGACCGGTCAGCGGACTCACCGGCCAGGGCGCTCGGTGCTGGAATT	26241
TGCAGCCATGTCTTGGCCTCAAGTGGAACAAGGGCTCCTTGAGGCCAGCAGGGTTGG	26242
GGAGGAGGGGCGGGGAGGGGAGCAGGTTCTGGAAGATTCATGGGCTCCTTCCTCCGCCCTTCCTCGAG	26243
ACCACGAAGACCCAGGCAGCCGCCCTCGAGCCGGGGCCAGGGCGTGGCCGGCGCGGGGGCCCAGCGACGCTGGGATCTCCGCTCT	26244
CTCTACATCACAGCCCAGCAGTTATCACGGGCCCCTCCCCTCAATGGGCCCGTGATAACTGCAGGGCTGTGATGTAGAG	26245
CACAGCCCTGCAGTTATCACGGGCCCATTGAGGGGAGGGGCCCGTGATAACTGCTGGGCTGTGAT	26246
GGGCCGCCGCCGGGGAGCCGGAGCGGGCAGGACCCTCCCTCCGCCGACTGCGGCCCGA	26247
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TTCGAGACCCTGCTGGTCCATGGGGTCTCACTATGTGGGCCAGCATGGTCTTGAACTCCTA	26249
GGCGGCGGCGGCGGTGGCGGTGGTAGCGCCGACGTGTCCCGCCTCCTTGA	26250
GAACACAATATGCAGTGGACACTCAAATATTGAATGAGTGAGTGCCCACTGCATATTGTGTTATTG	26251
TGTTTAACCTTTTGCCTATTGGTTAAACTTTTCAATAGACAAAAGGTTAAACAAA	26252
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GCATATTACTAATGAAAGAAGCTAATCTGAAAAGGCTACCTACTCTATGATATATATATGAC	26255
CCCGCTCCCCGCCGGGAACAACCTCTCCACTCTTCCTGCAGGGAGCTGGTG	26256
CTGGAGGCCTCTGGGCGCGTGCGCGGGCGGTCGCTACCTGCGGCCGAGCCAGGGAGCGAGAGGGCGCAGAGGGCAGCGGGC	26257
GGGGAGGTGCAGGAGCGAGCGGCGTCCTCGTCCTCTCGTCCCGGCCCTGCCCGC	26258
GTATAGAAGCTGGGCTTTAAAATAATAATGAGTGTAACCATGGAGTTGGGTATTATCCTATTTGA	26259

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Table 2. Additional miRNA sequences

GGAACCTTAGTAAGGTTTGGATAGATGCAATAAAGTATGTCCACAGCTGAAAGGACATACTTTATTGCATGTATCCAAACCTTACTAATTCA	26260
TAGCTTATCAGTGACTGACTCACTAAGCAAGTTCTTCTGTGCACAGTCCTGAGCTGGG	26261
TAGCTTGTCAGACTGATCAAAACATGGCAGTGTTTTGTGGTCGTGGGGGAAGT	26262
CTGGGCTGTAGTGTGCTATGATCTACTATGGTTGCACCTGTGAATAGCCACTGCACTCCCACC	26263
CGGAGGGGCGGGGGCGGGGGCTGCCAGACGGGCGCGCCAGCCGCGCCAAGCATC	26264
GTGCCTGTGTGTGCGTGTGCGCACACACACGCGCGCACACACACACAGACACCT	26265
TCCCGGTCCTGGCTGGGGGCGGGCGAACGAGGCCCCACCTCTGCCGGGAGCGGGACG	26266
CCCCTCCTCCCCGCGCCCCGCCACTCGCCGGGCTGCGGCGGGCGGAGTGGTGGC	26267
TCTGCAGCCTACCTCATCAGACCCTGGACTCACCAAGCCAGGGTGATGGGATGGGCTGTTGACT	26268
GTGTCCCCACGGCGGGCAGCAGCGGCGGCGGCGGCTGAACGCGGAGGGGGGCGGGAG	26269
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GGTGCAAGCCTGTAGTCCCAGATACTCAGGAGGCTGAGGTGGGAGGATCGCTTGAGACAAGGAGGTCTGGGCTGTAGTGCGCTA	26283
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CACCTCCTCGAGCAGTGCCACCCGAGGCCGGGGCAGCTCTGTTGGCGGGGGCAGC	26286
CACCTCCTCGAGCAGTGCCACCCGAGGCCGGGGCAGCTCTGTTGGCGGGGGCAGC	26287
AGTGTCTTCCAATTTCTCTCTGCTCTGGAAATTTGGAGGGGGTGGGGGGGAAGGGTCGGGGCGCCGT	26288
GTGCAACAGTAATTGCAGGTTTTATCATTACTTTCAATGGCAAAACACGCAATTAACTGTTGCACC	26289

Table 2. Additional miRNA sequences

TGACTACTTTGTTTGATTTTTCTGAAGACATAAATAAAACAAAATCAAACACGGTAGTCACA	26290
TGTGTGTGTGCTTGTATATATATATATATATATATACAAGCACACACACAA	26291
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CGCGTCCAGCTGGGAGGAGCTTTACGACCATGTGGTAAAGCTCCTCCCCAGCTGGGTGCTGT	26293
CGGCGGCGCCCAGATGCGGCCGCGGCGGCGAGCTCGGGCGGCCGTGGAG	26294
GCCAGCTCCACCTCCCCGAGCCACAGGCCCGGCTCCTGCAGGGCCAGGGCCCCGTCGCCCGCCGCGGTGCCGGCCGG	26295
TCCTCCTAGCTCTGTCTTTCCAGTAGTGTGTCAGTTTATAAATCAATTGGAAGGGCAGAAGCCAGGAGGAAG	26296
TCCCCTCAGTGTGCCACTAAATACAACTTGTATTTAGTGGCATACTGAGGGGATT	26297
CGGCGACGCCGCCCAGCCCGTCGTTTTTGATCTGCTGCAGCCGCCGGCGGGGGCGACCCAGCCCGA	26298
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ATAAGGCCACTGGGTGGTGAGCGGTTCTTTTCACACTTCACATCCAGAGGCTTTTCCT	26300
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CGGCGGCGGGCGGGGAGGGGCTGGGCCGCGCCTTCTCTTCTCTGCCCCGCT	26306
CTCAAGGAGAGGGTGGAAGCGCCGCCGCTGTCCTCCTCCTCCTCCGCGGCGGCAGCGGCGGCATCCTCTTCCTCCTCGT	26307
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GATGGCCTCTCCTGGCAGCAGAGTGTTTGCAAATCCCCTGAAGCCAGAAGCATGCCAGTCAGA	26311
CCAGCGGCTGGGCCTGAGCGTCGAGACTCGGGGCCGAGGCGGAGGAGCGGCCGCGCGCCGGGGCCCAGCCGGA	26312
ACAACATAGCCAGGCCTCGTCTTTTTTTTTTTCTTGAGACGGAGTCTCGCTCTGTTGCCC	26313
CCAGCCCCAACCTAAGCATGTGACTGTACTCACCTTGTCAGATGCTGTTGGAACCTGGCTGAC	26314
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CGCCAGCATCTAATGGGACTGCTGGGAGGATTGAGTCCCATATCTGAAGTCCCTTGAGATACCGGCATCCCTG	26316
GGAAGGAGCGGGGGGGAGGGGCTGCCAAGCTGCTGCACCCCCAAATCCCTCAG	26317
AGGTCAGGGAACGCGGGAGCCGCAGGGTTCCAGGGATCCCGCGGCTCCTCGCGGCTTGGCCTGA	26318
GTGGTGTGTTACCCAGTAGCTCCTGGGACATCGCTCGGGTACGCTCCACGC	26319
TGGGGGGAGCCCTTAGCACACTCAGAAGTGACCTCTGGGAAGGAGTGCGATGAGGGGAGTCCTGAGCA	26320

Table 2. Additional miRNA sequences

CTGGCTTCCAAAGGCCTCTGTGTTCCTGTATGTGGGCGTGCACGTACCTGTCACATGTGTACGCGCAGACCACAGGATGTCCACACTGGCTTC CAAACACATCT	26321
CGATGGGATGCGGCCGTGGGCGGTGGAGTCCAGGCGGAGTCCGCTCTCCACACGCGAGGGCGCCTCCTCCTCACC	26322
GGAGGGGGATGAGCCAGGGCTGAGCCGTGGCATCAGGCTGGGCTCCTCTCCCCACCCT	26323
CTCGCCGGGGCTGAACCGGCTGAGCTTCCCAGGGACGCCCCGACCCAAGCC	26324
GCGCCCCGCGGCCCGCCAGCGCCGCCACCGCCATGGCCGTCGCCAGCGCGCCGCCCGCGC	26325
CCAGATCCTCTGCGCGCACCCGCGGAGACCCGACCCGGCCGAGGGCAGAGCGCAGGGGAACCCGGGCA	26326
CCAGATCCTCTGCGCGCACCCGCGGAGACCCGACCCGGCCGAGGGCAGAGCGCAGGGGAACCCGGGCA	26327
GGGAGGGCGCGCTCGGTTCTGGCCAGGCCAGCAGCTGCGGCCGAGTGGGGGGGCTCCGGCCTGGCCGCTTCCTGGGACCCCCTCCCGC	26328
AGCTATGCCACCTGCACCCAGGGGGAGTCTCTGAGGACAGGGCAGCCTCGACTGG	26329
CCGGCCACGCGCCTCTGTCTTGGGGATGGCATCTAGGCGGTGGTAGGTGGCC	26330
CGTGCGCCCCGGGCCCCGCGCCGGCACTCGCTCAGCGACCGCGGCGGAGACACGAGCGGCGGGCGGAGCCCAGAGGGCGGCGGG	26331
GCCGTCCGTGCCCGCGGGACCTGACAGCCGGGTCAGAGGTCAGTGCGCGGGGC	26332
GTCCCAGCGTCTGTCCCGCCGGCCGGGCGGTCGCGGCACAGCCGCGGGAAGG	26333
GGGCCTCTTGCTGCCTGGGCCTGTGTTCACTCCCGCCCAGGAGGCAGCAGAGGTTAAGCTAAGCAGAGGCATCC	26334
TAGCTCCAAAGGACAGGGCGTTAGGATGGGAGGTGGCCCAGGGACCCCGCCTCCCCCAGGGCCAGGTCTGGGGGCTCCT	26335
TAGGTGATTCTGAGCCTGGCCTGTATTGAGAGCCACTGATGAGCCTCTGAGG	26336
CCGGCCCCTCGGGCCGCTTCCCTCCCTCGGGCCCGAGGCCGCCGCGGAGGCGGTGTCCGTGCACCCGAGCGCGGCCTGGAGGAGCGGCG	26337
GGAGAGGGCCTGGGGCCCGGCTGGCTGCACCCCGCACTCCGGGCCCCGGCCCCCGG	26338
ATCAGGCCCACCGGGTCGCCTCCAAATCAGATCTCCAAGGGGGACCCTGGGGGCCTGAGTC	26339
TCGGCTGTGGGGTCCTGTGGTGTGTGGGGAGCTGTCACATCCAGGGTCCTCACTGCCTGT	26340
TCGGCTGTGGGGTCCTGTGGTGTGTGGGGAGCTGTCACATCCAGGGTCCTCACTGCCTGT	26341
GCCCCCCGGGCCCGTCTTCCCCTCCATCGTGGGGGCGCCCCAGGCACCAGGTAGGGGAGCTGGCTGGGTGGGGCAG	26342
CGCGGCGGGCGTAGGACTTTGGGCTTTCGCCTCGTCCTGCGCTTGACCCCAGA	26343
CGGATGTGAGTGGAGCGGCCATTTCCTGTTTCTCTGCAGTTTTCCTCAGCTTTGGGTGGTGGCCGCTGCCGGGCATCGGC	26344
GGGTGTACACCCCCCTGCGACATTGGAAGTAGTATCATCTCTCCCTTGGATGCTACGAACAATATCACAGAAGGTGTACACCC	26345
TCCGGGCCGTTGCCCTGTCAGCACGATGCCTGGAGCGGTGGCGGCGGCTCCGGGCT	26346
GGCGGCGGGGGTGTGCGTTGGGGAGGGGGAGCCCCGAGACTCCTCCCCCACAGCGATACCCCCGCCCCTC	26347
TTATCTCACTTAATACTCAACTTGACTAGGTAATTTTGAGTATTTAATGAGATAATGT	26348

Table 2. Additional miRNA sequences

GCTGGCGCGCTCTGGGGTGCACACGGCTAGGATGCGAGAGAGGCGAGGCCGGCGA	26349
CTGAAGTAATTGCGGTTTTTGACATTACTTTCAATGGCCAAAACCGCAATTACTTTAGCA	26350
TCGGCGCCGCGGGGAAGCCTCCGTTAGGGCCCCTCGGGGGTGGGGGCGTCCTCGTGGCGCTTGGGC	26351
GAGCGTTTCTAAGGGGGCCGCCGCCTTGTCTTTCGGCAGTGGCCGAGCCACCGCCGCCTGCCGCGCGTTCCA	26352
GCTATGGGGCCGGGCGGCCGTGTGGCGCGGCTGCTCGCCCCACTAATGTGGCGC	26353
AGCTGGTCCGCAGGGAAGCCTTTGGCTTCCCCACCGGCAATGGAGCGGTTGA	26354
CGCACGAGGTACTGGGAGTGAGCACCCTCTTCACTGGGGCACTCCAAGTACCTCACTCC	26355
TTATTCACAGTACAGTGCCCCACATAGAGTAGCACTGTGCCATTGAAGAAGAA	26356
CCCGCGGAGAACCCAGGGGCGGCCCCGCGCGTCGGCCTAGCGGGGAGGGCTGCTCCGGGACACGGTGCGGCG	26357
ATGCGTGCACATACATGTATACACGTATGCATACATACATGTAGGCACGCATAC	26358
CCCGGCCCCGGAGGAGCCCGCGCAGGCCGAGCGCCGCGCTGCCCGCCCGGGAGGAGGGCG	26359
ATCCAAAATGACTGCTTGGGGAGACTGACTCTAAGCCACTGTCTACCCAGCAGTCATTTTGGATCT	26360
CAAATATAAAAGACAACATATTATTTAACATAATATGTTGTCTTTTATATTTTT	26361
ATCATGCCACTGAGGATTTGGTGATGGGGCCTATGTTTTTAAACCTCTTGTGGC	26362
AACCTGGGATCTTGCCACTTCCCTCTCATTTGAATGATGTGGTTTTGAAATCAGTGCT	26363
GGTGGAGGCGGCGGCGGCTGCAGCCGCAGCTCCAGTCACCGCGTCGCCTCCCCGC	26364
TACCTCTCTGGGTTCTGTTTCTTCCCTGTAAAATACTTTAGCAACAGAACCCAGAGAGTCAGC	26365
TGAGGCAGGATGTCACTGTCACCCAGGCTGGAGTGGAGTATAGTATGGTGTCATCACGGCTCA	26366
GAGCGATGCCCGCTCGGGCCGCCCGGGGAGGGACTGGGGCCACCCGGGCGGCGGGGGGTGTGTCC	26367
ACTCCCGGCCTAGGGCCTCGCGCACTCTGCGGCCCGCGGGGCTGGGCAGCGGGGCGAGGCGGGGGCGAC	26368
CAGAGAACAGGCACATCTGTCCACTGGAAAGGTCAGCCGTGTCTGTTCTCTGGC	26369
CGGGTCCTAGCGAGCTGTCCGGCCAGCTGGTCTAGCATGCAGGTCCCGCG	26370
TGCCCGTCCCTCGCCATAGAGCAGGCCCTGGAAGTGGAAGGGGCATGGTCAGCGGGGGACGGATTGC	26371
GGCTCGCGGGTCGGGGCCGCGCGGGGCCGTGCGCTTGGGCCCGGAGCCCA	26372
ATGCACTGGGCAAGATCTCAATACAGCTTTAGAAATCCTGTAAGATTTTGACCAGTGGGGAG	26373
TGGGGCCAGGGCCGCAGGTGGCTGGGCGGGCAGGAGACGCAGCCTGATCGCGACCTGCGCCCCCAGCCCCCTC	26374
AGGGGGCTGGGGGCGCAGGTCGCGATCAGGCTGCGTCTCCTGCCCGCCCAGCCACCTGCGGCCCTGGCCCCACCC	26375
TGGGAGGGGCAGTGGGTGCCGGGCCAGCAGGCCAGGAGGTAACCATTCCCCACCTGTCCCTGCCCAGC	26376
GCCGGGTGGGGTGGGGGCGGGGAGGGAGCCCCCCCTACGCCCTCCGCAGTGCCTGGCGA	26377
GGCAGCAGGTAGGCGCGCAGGCGGCTGACGGCACTAGCGTTGACGCAGAGCCCGCGGCCGTCCAGCAGCGCCTGCAGCGGTCGC	26378
AGCAGATGGTTGTAGCTCACCAGTATAGCTTCGCCCCAGATGGGGAGGCCCGGCTGGTGAGCCGCTGCCCTGCAGA	26379

Table 2. Additional miRNA sequences

TCCTCCCGCCGCCGCCCGGACCGCTCGGCGGCCGCCAGCGCGGGGAGGAGC	26380
CCGCCTCGGTGTATCTGGAGATCCAATGGTGGTTCCTGCGGGGGGCCGGAGGACCTGGATCCCGGGGCCGAGGGGGC	26381
CGCAGCGCGGCCGCAGCAGCCTCCGCCCCCCGCACGGTGTGAGCGCCCGACGCGGCCGAGGCGGCC	26382
TTAGCTCGTGTGGTGATTGCTGCACACGGGATATGTGCAGCAAGTATCTGCTGAGCTAAT	26383
GAGCGGGGCGTCTGAGCGTGCACTGCCTCGTCGCGGGCTGCTCGCACATCAGGCGGCCGCAGAGGCGGTGGGCGCTGTGCCTCTGCCCT	26384
AGTGAGGCAGCAGGGTTTCCAGGGGGAGCCTGCCCCAGTGCCCTCTGAGCTCACTGAG	26385
AGGCGCGCAGGGCTGTGGCTCCCCGTCGCTCCACCGTCTGCGCTCCCAGGCAAGGTCCTCTGGGGCGCCTCGGAACTGCGCGCCC	26386
TATATATATGAGTATATATATATATATATGAGTGTATATATATA	26387
GCGGGCGGCGGGCGGCGGGCGGGCGGGCGGCGGGCGGCGGCGGCGGCGGGA	26388
AATTAGGCCCAACAGTTCCCGTAGGGCTAAAGTCTCTTATGGGAGACAGTTGAGCCTAGAGA	26389
CACCCAGCTGGAGCGGACATGACGTCTTCCGGGAGGCGGCGGGGTCTTTGTCTCGCTGCAGCGGGTGCT	26390
TCCCAGAATTCACTATATGTAGGATGGATATGGATTCACTATATAGTGGATTCTGGGAT	26391
GAAGCATGGCCCCGGGGGTCGGCGGTTGCCTGGGCGGCGCTCGGGCCGTTGTTGTG	26392
GGCGCGAGCGGGTCGGCGTTGAGGGAGCCACCGCCCTCCCGCCTGCGCACT	26393
AGGCTCCGTGTCCAGACGCCAGCTGCCTGCTCAGCCCCATGGCTAGCTGCAGCTGGCATGGACCCAGGGCTCG	26394
ACGCGCAACAGCTGGAGGGCGACGCTGGCTCCGCGGCGACTCCTGGGGCTGCGGCCGCGGTGGTAGCGCGAAT	26395
GGCCATCAGCTGTCAAGATGGGGGGTTCAGCTCCCTAAAGCGGGGGCAGCCTCAGAGGGAGCCGAGCCTGCCCAGGATGAGCGGCGCCGG	26396
TAGCTTTAGTCACTGCCAGCAGCTATTTCTAGGCTGTTGGCACTTTGAAGTGGA	26397
CAGGTCTCCAAGGTGGAGTCAGAAAGAGAGGAATGGTGGCCGGGCACGGTGGCTCAAGCCTGTAATCCCAGCACTTTGGGAGGCCGTGGT	26398
GAGAGTAATTGCGGTTTTTTGCCATTACTTTCAAAATGGCAAACACCAATTACTCTCGT	26399
ATGGCCTTTGAGAGGTGATTGGGTCATGATATAGTGACCCAATCACCTCTCAAAGGCCCTAT	26400
ATGTGAGCCCCTGTGCCCAGCCCAGCAGGAACTTTAAAAGAGCTGCACCTGGGCCAGGCGTGGTGGCTCACACCT	26401
CCCGGACTGGAGCTGCCTGGCGTCGGTGCCCGGCCCAGCCCCGGGGCC	26402
CGCGGGACAGCTGGCCCGTATCCTCACACTGGGCCCGGGGCCCAGCCGGAGGGGCGGGGGCCTGGCCACTCGGGCC	26403
AGGCAGGGGAGGCTCTCCAGGCTTTGGGGCCGTGACAGCAGCTTGGGTCTCTCCTGCTTCC	26404
GCAAGAAAGTGAGACTCTGCCTCTTTTTTGTTTCTGAGCCAGAGTCTTGCTCTGTTGCTC	26405
CGGCGTTTGAGTGGCAAGTTGTTTGTTACAGCGAACACCAGCTGCTCCCCGCGCCGGG	26406
TGGCCTGCAGTGGACGAGCATCGCATAGCCTGCGGGGCTGGATGCTGACCGCCCGGGCCAGC	26407
GTTCCGGGGGGTGGCGGAGTCGCCTGGAGACGGCGGCTGCGGCTTCTACAGCTCGGACCC	26408

Table 2. Additional miRNA sequences

GGCGGTGGCGGAGGAGCCTCGGGTGGGCCGGGGTTGCTGCGCCGTCCTCC	26409
CCGCGGGCCGGCAGCGAGCCAGGCGCCTCAGGCCCCACGGCGACCTGGCCCGGGCTCTGCCCCCAGAC	26410
CCCTGGCCTGAGAAGCTCCGGCACCAGCTCCTCCCGGCCGGCGGCCCGCACCTGAGCCGGAGCCGGAGCCGGGCACGGCG	26411
AAAAGTAATTGTGATTTTTGTCATTAAAATCGCAAAAACCGTAATTACTTGTGT	26412
CCTGCTGCCGACAGCTGCTGCTCTGACAGAGGCGGCGGCGGCGACAGCACAGAG	26413
TGGGGAGGCGGCAAGAGGACCTGCGGCAGGCCCTCTTCGGCAGTCTCTCCGGC	26414
AGTCCTATGGAAAATGGAGTCAACAATACTGATTGCAACTGTAAAAATTGTTGACTCCATTTTCCATAGGACTTA	26415
CCGGGTGTGCACCTCAGCTGCGGCCTGCGCGGTGCTCAGCTGCGGCGCATTCCCTCC	26416
CAGGCATGAGCCACGGCAATCAACCTCATTCTATTGTCTTAAAATCGCAGCTGGGTGGGTGCAGTGGTTCATGCCTATA	26417
GTCAGCTCCCCTTTCTCGCCCAGCGCCCCCAGGCCGCTCCCGGGGCTCACGGTGAGACTTGGGGCCGGCCTC	26418
GCTGTCCTGTGAGGGAGACCAGACCCTTTTGAACGCCACTGGGCTCCCCAGCATGACAGATGG	26419
CAGGACCTGCTCCCACGAGGGGGCGGGGCCAAGATGGCGCCGAGCGCCGGGTGAGCAGCGTCTCGGC	26420
GCCGGGGAGGGGGCGGGACAGAGCTGGGTCCCCCTGCTCCTCCTCGACCCCGC	26421
GGGCCATGTAGTTCTTGCTTCGCCACTCAAGACTGGTCGGAAGCGGCATAGACACCGGGGACAGCACCACCA	26422
CAGCGGCGGCAGGTGAGCGGGGGAGGCTGGCCCCCGGCCCGCGACGGCCTCGCGCCCACCTGGTCACTGCC	26423
CCCTCGGTCTAGTCTGGCCACCTTCCCAGTCTGGTGGGTGCAGGTGGGGAGAAGCCTGGGTCTGGGGGCA	26424
GGCGTGGCCCAACCGGGAACTGGGGCGTCGAACTCCCCTTCCCAGTCTGGAGCCACCCAT	26425
CGGGGCGCGGCGTGGGGTGGGCGCGTGCGCACACGCTCGCTCTAACCGCCGCGCGCCCCGCA	26426
CTTCCCGGGGCTACGCTCATTCTTACTGTCCAAGTGAGGCCAGGGGACTGGTC	26427
GGCCGTGAGCGCAGAGGCCATGGAGCCGGAGCTCGCGGACACCTCTGCACTCAAGGCGG	26428
TCTGAGGTACCCGGGGCAGATTGGTGTAGGGTGCAAAGCCTGCCCGCCCCCTAAGCCTTCTGCCCCCAACTCCAGCCTGTCAGGA	26429
TGGTGGCGGCGGTAGTTATGGGCTTCTCTTTCTCACCAGCAGCCCCTGGGCCGCCGCCTCCCT	26430
ACGCGCGCCGGGAGCCGCGGGCCGGGCCAGCCGGGCCGCCGGGGCCCAGTGCGCCGCG	26431
CTGAGTCCACAATGCCTGGCTTTCACTGGCACCTGGGACCATGGGGGTGGGCCTGGAGTCTGTGAGTCAGGCCTGGTCTTGGGT	26432
GCCGGGAGGCGGAAGTCCAAGCAGGTTGTCCCAATTTTGGCCTGCAAAGACTTCCTTCTCTCGCCT	26433
TCTGTTGTACCTCCCGATTAATTTAGGTTTGACTTCCTTCTTCAGCATCTTCGGCAATGTAGTAATAGAAT	26434
TTTTTTTCGGGCTCCACTCCCTGCTTGTGTCCCCCCAACTCTGTTGCCTGTCCTTCCCGCAGCCCTGTGCAGAGCCCGAGTGCG	26435
CTCTGCTGTAAGTGAGCTGCTCCCTGTAGGCAAGCTACATAACCTATCTGGGACTCATTTTCAGGAAGGT	26436
CGGGTGGGGAGCCCGAGCCAGCCCAGGCCGGCTCTGGCCTCCTGACCCAGA	26437

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Table 2. Additional miRNA sequences

TGCTATTGTCTTACTGCTACAGCAGGGCTGGGGATTGCAGTATCCGCTGTTGCTGCTGCTCCCAGTCCTGCCCCTGCTGCTACCTAGTCCAGCCTC ACCGCATCCCAGA	26438
CGCGCGGTGCAGGCAGCTGCGTGGGATTTGCGCGCGCCCCCTCCCCGCCCCGCGCCCT	26439
GCAGAATCTCAGCCCTACCCAAGACATGCAAAATAAGATGTCTTGGGTAAGGTTGAGATTCTGCAT	26440
GGGCGCGCGCAGCGGCTGGAGCGCGGGGGCGAGGCCGGGCCACCTCCCCTTCCCGGCCGCGCACTGCCTGGCCCGC	26441
TATTATGCCATGACATTGTGTCAATATGCGATGATGTGTTGTGATGGCACAGCGTCATCACGTGGTGACGCAACATCATGACGTAAGACGTCACA AC	26442
CCCGCCCTCCGGCCCGCACCCGGGGCCCCCTGGCTCTGAAGAGCGGGGCTCAGGGGCCCGGCGCCCGCGGCGGGGCT	26443
GGCGTCCTGCGACTGCCCGAGGTCGGAGGCCCGGAGGACCCGCCGCCTTTGTGTCACCAGCCCCCC	26444
CTCTCGGCTCGCCCCCTCGGCCCTTCCCGGCTCTCGTACGCGGGCGGCGGGCGGCGGTGGGGCCGGGCTGGGGCCGGGCGCGGGAGCC	26445
CCGGTAGGAGGAAGGAGGAAGAGGCCGTTTTTGACCTTCCTCCCTCTCCCTGCCTGGTC	26446
CACCTCCTCTGCGGCAGCTGCGCCTCGCAAGCGCAGTGCCGCAGCGCACGCC	26447
GGGCGGCCGGGGAGGGCGGCGGCCCCTTTAAGAGCAGGCCACGCCCCCTCCCCTCCTCCCG	26448
AAAACTTCATGAAGCAGTCATCACAGAGGATATCAGTAATTATGGCAGGAGAGCCTCTAGTGTTGCTCAGAATCAACG	26449
GGGCAGAAGGGTGGGTCTCAAGTGGGAGGATAAGGCTTCACCACCAGGAGATTCCCCTCTGCCCGA	26450
CCGGCGCCCGGGACACTTCCGGCTCCCGGCAGCTGCCTCAGTCGGAGGTCCGCGGGCGCCCCAT	26451
CGCCTCTGCCGCGCCGAGCCCCGCGCACGCTGCCCCGGCCGCCCCGCAGGCAGGCAGGCAGG	26452
AATTACAGATTGTCTCAGAGAAAACAAATGAGTTACTCTCTCGGACAAGCTGTAGGTCC	26453
AATTACAGATTGTCTCAGAGAAAACAAATGAGTTACTCTCTCGGACAAGCTGTAGGTCC	26454
GACCGCGGCGCTGGCAGGCCGGGGCTGAGCCCGGCTCCCCGCGCTGGAGCCT	26455
AGGCCCTCACTCTCAGGGTTGTACAAGAGCAGGGGTGGCACTTGTACAGCCCTGAGAGTGAGGACCTCC	26456
AGGCCCTCACTCTCAGGGTTGTACAAGAGCAGGGGTGGCACTTGTACAGCCCTGAGAGTGAGGACCTCC	26457
CGGCGACTCCGGCCGGAGCCCCGGGCGCGGGGGCGGGGGCGGCGGCCCGGG	26458
CCTCCTGCAGCAGCCGCGGCGGCGGCGCCTCAGTGCGCGCGCGAGGCCCGCGGCTGGCGGAGGGGGGAGGGAG	26459
TCGGCTGTGTATCTCTGTGCCAGAAGCTTAGCCACAGTGTGGCACAGTCGTGTCCTTC	26460
TCGGCTGTGTATCTCTGTGCCAGAAGCTTAGCCACAGTGTGGCACAGTCGTGTCCTTC	26461
AGGCTGCTCCGGACCGGGACGCAGAGTCTGCGGACCCGGCGCCGAGGCGGC	26462
TCTGGGCAGGGGAGGGCTGCGGGGGTGGAGCCTCCGGACTCATGCCCCCACCCTTCCTTGCCCACAGG	26463
CCCAGGATGCAGTGTGGACCGGCCGGGCGCTGACGGAGGCGGCGCGACTGCGGGCGGCGCGGCAGGGGCA	26464
CCTTGCCCATAGCGTGTGCCGGGGCCGGCAGTGGCACTGCACAGGCCAGCGGCGCAGTGGGCGGTG	26465

Table 2. Additional miRNA sequences

CGTGGGATAGGTGGGGGCCCCCTGCCTGAGCCGACCCCTCAGGTGGCCGTTCTCTTTCCCACAGT	26466
TCGACGGCATCTCCACCGGGCCGGGGGCGGTCACCGCGGGGCGGCCCCTGGGCCGGGGCCCCAGAGCCTTGGCT	26467
CCGCCGGCCGCGGGGAGGAGACCTTGGGAGGTCGGGCCCCCAGATGGCCGGCGGCG	26468
AGCTCAGGGTGGGCCCCATGGTTATGGTTTAAAGAGACAGAAACATTTCCCATTGAGCTGT	26469
ACACAGAGAACCGGGCCTTGCGCGAGCTGGTGGCCGAGTGCGGGGGCCGGGTCTGTGCCT	26470
CGGGCCCGCGGAGGAGCGGCGTGCGCTGGTGGGTCCCGGCTCTCCGCCCCGCAGCGCGCCCGGCCAGCTCCCATCGCCCCGGG	26471
GCCCTGCGGCGGCCACGGCCCACGGCCCCTCGGAAAGCCCTGGCCTAGCCGCAGGCCCCTC	26472
GGCAGGATGGCAGGGGAGGGACACTGTGCCTGCCACAGCCAAGTCCCCCTCCTCCCTGCAGA	26473
AGCCCGCGTTCCACCCTCTGTGCCGCCGCCTCCTGTGGGAGAGGGAGGTGGTCGGGAGAGTGCACGCCGGTGCC	26474
GCGAGTTGGAGAGGTCTGTGGTGCGGGTCGCCCCGGGGGATCCCCCGGCGCGGCCTCGCGCGACGG	26475
GCCTGGTCTAGCATGCTATAATACAAATGTATGTTTTAGAAGCTATATTGAA	26476
CTCCCCGGAGGTAGGCGGGGCGCGGGCCCTGTTGGGTCTTTGGGACGCGGGGTCCCGCTGGGGCCGGGGGATGC	26477
CCCACCCCTGCTCCCCGCGCCCCTTCGTTTCGGCCTTTGTCTACAGGCCGGGTCGGAACGTCAGCCCCAGGAGCCGACG	26478
CGGCCTGTAAATAGCGGGGGCTGGTTGCTGTGGAGACAGTGGCCTCACTTCTCACAAGCCTGGCTTGTAGATAGCAGGCTGGC	26479
GTGTCCCCGGCGGGGGGCGCGGAGATGGGGGCGCCCGCGCAGGGGCCGGGGGCGCAT	26480
TGTGCAAATCTATATGGAACTGATAACAGCTTATCTTCAATCACATACAGAAACT	26481
GAGAGGGAATCAGGTTAGAGACATCAAGAACTGTTATGGCACATGTCACAATTCTTGATATCTCTCACCTGATTCCCTCTCTA	26482
GCGCCCGGCCGGATGCACGTCGGCGGAGCGGCGCTTGAGCTCGGATGCCCCGGGCCGCCGCCT	26483
CGCGCGGGTCGGCGCGGTGCCGGGAGGTTGGCGGCGACGACGCTGGGGATGCGCGGG	26484
CCTCACTGGGTCTGGGTTTGAGAGTCTTCCTGGGCCTCTGGACCCCCCCAGTGTGGCC	26485
TGCCCCTCCGTCCGCGCGCGTCCAGAGTGCCGGGCGTGGAGGCGTGGGGGGCGTGGGGGTGGG	26486
CGCGTCCCGCAGGAGCCGCAGGCAGAGCGTCCGGCGGCCGGGAGGGACGCGGA	26487
AGGCTCTGGTGCTTTCTGTCTCTGTCTCGCTCCTCCAAGACTGAGGTCCACAGAGCCAGCT	26488
AGGCTCTGGTGCTTTCTGTCTCTGTCTCGCTCCTCCAAGACTGAGGTCCACAGAGCCAGCT	26489
GCCAGCAGCCTGGCTCCCAGGACAGGAGGCCTGCCCTGGGGGGAGGGGGCTGCAGGAGG	26490
CGGGCGCCGCGTCCCCGGAGGAGCTCGCGTCCCCTGAGGAGCGCGCGTGCCCGGA	26491
TGGCTTGAGGACCCCGCGTCCCCCGAGGAGCCCCGGGGAGCCCCGCGCCCGT	26492
ACGAGGGCTCCATTTCTGTAAGTGTCACTCTCTCACGGATATGGAACCCACGATA	26493
TAGTCTCAGCTACGAGGCTGAGGCGGGGAGAATCGCTTGAGCCCTGGAGGTAGAGACTGCA	26494
CGCTGCCGCCGGGCAAAGGCGCGCATGCGCAGCGTCGCCGCCCGCGCCTTCCGTGTGGCCAGTGCT	26495
TGGCCAGAAAGCAGCTAAACAATAGATAAACACTCATTAATGTATCTATTGTTTGGCTGCTTTCTGGCCACA	26496

Table 2. Additional miRNA sequences

GTGGGTGAGCTAAATGGGTGTCCATCTTTTTTCGGGGGCCCATACAGCAGAAAGCACT	26497
GGGGCAAGGGGCGCGGCGAGCAGGGCCGACGCCTGGGTGTTCCCGTCCCCCTTTCCTCGA	26498
ACGGTGTTGGGAGCCCTTTGGAGAACGCCAGTCTCCCAGGCCCCCTGCATCTATC	26499
GGAGCTGGCCAAAAAGCAGGCAGAGACGCTTTTAAAGTCTCTGCCTGCTTTTTTGGCCAGCTCC	26500
GCCCCGCCCTCGGGGCTTCCCGGGCGCGCAGCCCCGCCGTGTCCGCGCGCCACGCCCCCCTGCTCGCGGGCCG	26501
GGAGCGCTGGGCGGCCAGGCTCCCTGGCTGGCCGGTTTGGGCCGTCTGGGCCGTGAAGGTGGGACCTC	26502
AATACTAGGTTTGAGCAAAAAGTAATTGCGGTTTTGCCATCATGCCAAAAGCTACAGTTACTTTTGCACCAGCCTAATATT	26503
TTGTACTTCAGAATCTCCAGGAGTAATGTATGAAGTTAGTCCTGGAGATTCTAAAGTATAACA	26504
GGAGGCAGCTCTGGGGCAGAGGTGTGGACAGGAGTCTCCCACCGCCCTGGTGCTGGCTCAGA	26505
GCTGGTGGCCCGGCGCGCTGGAACCGCGGCGACCCGCTCCAGCGCGGGACCAGCAGCAA	26506
GCTTCGCTCCCCTCCGCCTTCTCTTCCCGGTTCTTCCCGGAGTCGGGAAAAAGCTGGGTTGAGAGGGCGAAAAAGGATGAGGT	26507
ATGGGCTATTATAGATGAAAACTGCACAAGGCCAGAACCAGCAGGCACTCAATAAACGTTCATGT	26508
GGTCCGGCCGCTGACGCGCCGCGGGTATATAGCCGGGCATGCGCGCGGTGCCGGGGCCCGGACGCAGTGAGGGGGGGTCGG	26509
AGCTGGCTTCCCCACTCCCCCGGAGGGAAGGCGCAGGGGAAGTGGGGCAGCCGGCAGA	26510
CCGCCCCTCTGCCCCTTCGCCCCTCCGCTCCGCTGGCCGAGGGGCTGCGAGGGCCGGGCGGCGAAGATGCGTGGGGCGCGGAA	26511
CCGGCGCCACCCAGACCCGCGAGCCGAGACCCTCCCCGCGGCGTCGCTGCGGGAGGGGCCGGAAGAGCGCGGGCCGGTGGGCGGGAG	26512
TCCAAATATGTTTGGGGACCCACTCTGTGTCTGGCTATAGTGGGTCCTCAAACATGGTTGGAA	26513
GATCGTGGTGGACTGTGGGTAGCAGTGGGTCTCGAGTATTTGTTTACTGCTGGCCAAGGCATAATGGCAATCCACATGATCTG	26514
TGGGCGCCGCGCCTTCCGCCGACCCCGCGAGGGTGCCCGGTCCTCGCCCCGC	26515
CGGGGCGGCGGCGGCCGGAGCCCGAGGAGCTGTAGCAGCCTTAGTCGCCGCCGCGGGGCGAGGTCGCCGCCATGGCCCGCT	26516
CAGCCCAAAGTCCAGATTTGTCATCTAAATCAGGTCCAGATGGGAATGAGGCTTTGGGCGAC	26517
CCCCCAAAGCCCAGGAGGTCCTGGAGGAGTGGCCCCCCCAGGATCTCCTGGGCTTTGGGATCA	26518
GCCGCCGCGAGTCTGGTATCCTGAGCTTCGTGAGTTGAGCGCTGCTGCTCCGCGGTGGAGTCACCG	26519
TGGCATGGTTGGGAGCAATTGTTACTTAACAGTTGGGTTACTTATCAGTTGTTCCCAACCATGCCA	26520
CGGCCAGGTGGGCGCCAACCGAGCCTCGGCGGGCGGCCGGAGCGGAGCCGGG	26521
GCCGAGGACGAGCCACGCGCCCAAAGAAAAGCGGGTGCAGTGCTCAGTGCTCAGGCCT	26522
TTGAGGTAGGGAGGCAAAGGTTTTAGAAAGCAATTAATGATGGGTGCAATTTTTCTCTTCCTTATATATCCTTTCTTATG	26523
AACAGCTTCTCTATGTGTGGATTCGTGTAAATGCGAAGAGTTCACATATAAAGAAGTGACT	26524

Table 2. Additional miRNA sequences

GCATAGCACATACTATAGCATATATAAAGCATAGCATATACTATAGTGTGGTCTATAGCA	26525
TCCGACCCCCCTTCGCTGCTCTCCATTCGCAATCGCCCGCGGGCGCCTGCGCGATGGGTCGGCCGTGGGGAGCGGGGCCGGGAA	26526
ACCTGGTAGCATTTATTTTCCCTCAAGTACCTAGTAACCTTATGAAGGTAGGGAGGGTAGATGCTCTACCACATT	26527
CGGCAGCTGATGCGCGCCCCGCCGGGAGGCGGGAGTCCGCGAGCCGGGAGCGGGAGCAGCAGAGGTCTAGCAGCC	26528
GCGGGGGCGGGGCGCCCGGAGGCTGCGCCCGAGGCCGCCCCGCGTTCCGCGCCT	26529
TCCTGTACTGAGCTGCCCCGAGCTGGGCAGCATGAAGGGCCTCGGGGCAGCTCAGTACAGGATG	26530
TCCTGTACTGAGCTGCCCCGAGCTGGGCAGCATGAAGGGCCTCGGGGCAGCTCAGTACAGGATG	26531
CCAGCCGCACCTGTGCAACTGTGGCTGAAACGCTGCGGAGAGGCCAGGCCAGGCTGGAG	26532
CCAGGCGCGGGTGTGTGCGCGCGGGCAGGGTGTGCGAGTGTGCGCCCGGGCGCGCGCCGGCC	26533
AGCTCCTCCTCTCCCGGGTCGCCGTCTGACTTAAACGCGTGAGACGGGAGAGGAGGAACCCCCG	26534
AGCTCCTCCTCTCCCGGGTCGCCGTCTGACTTAAACGCGTGAGACGGGAGAGGAGGAACCCCCG	26535
AGGCAGACCAGGTCCGGATGCTGCGAGTGCTGCGCCTGTCCCGGGACCCTCG	26536
GGCTCGCGGGCGGCGGGTTGCGTCCCCCGCGCCTGCTGGCCCACGTGGACCTGGCCGTCGCT	26537
AGTGCCCCGCGGAGAGTCGAGCTTCCTTCCCCGGGGCTGGGGGTTCCGCGGAGCTCGCTCTG	26538
CGAGCGTCGTCGGCAAGCGGCCGCCTTTCCACGGTAACCGCGCGCGGGGAGGGCGTGGCGCGGAGCCGACGGGAACGTCCGC	26539
GCCCCGGCGCCGTCGGGTTGGCGGGTCGTGCTCGCGCGTCGGCCGGCGCCGGGCTGGGGGCG	26540
CTCTGCGCATGCCCGGACCCCGGCGGCTCCGGAGGCTCTGGCTGCTCCAGTCGCGGGTCCGGGCCCCGCCTCTCC	26541
CGTCCCGGCTGCGTCCCGCCGGTCCCGCCCCGCCCCGCAGAGCCGCCGCCAGTAGTGGGAGACGTG	26542
ACCTGAGCCACTGCACCCGGCTAAGCGTTCCTTTTTTTAAAAAAAATCGGCCGGGCGCGGTGGCTCATGCC	26543
GCGGAGGCCCTGAGCCCGGCGAGCAGGAGAGGAGGTCTTCCGGGCCGCGGCCTCCGAGC	26544
CCACCTCCACGGCGGCGCCAGCGTCCCCCCGGGGGGCCTGGGCGGCGGCGGCGGGGGTA	26545
GAGGGGAGGAGGCGGGGAGCGCAGCCGGCAGCGACGCCCCGGCCCCCCTCCCCCAGC	26546
AGCGGGGGCGAGCATGCGCACCAGGGAGACGCTCCCTGGTGCCGCGGCCGCCTCCGCGAG	26547
GTGCAAAAGTAATTGAGGTTTTTGCCATTGAAAGTAATGGCAAAAAACCTCAGTAACTTTTGCACCA	26548
CCGCCCCGACGCCGTGGCCAGCCCTGCGACAAGGCTGGACTGGGCGGGGGGGCTGAG	26549
AGCCGGCCCGGAAGCGCTCTGACTTGCAAGCGGGCTGCGCTGCGGAGCCCAGTGCCCGAGTGACACCCGCGGAGAGTGCAGGGCCGGGGAA	26550
TACACTGTTGTGGCTGGAACACACGAAACATCAGTGTGTTCCAGCTGCTGTGGCG	26551
GGGGGCGGGGCCGCGGCGGAGGCGAGGTTCCTGCGGTCTCCTCCTGGCTGCCACCCCTGT	26552
TTCAGCCAGAAAGAGTGCCAAGTTGGTGATTATAACTTGGGCATTGTTTCTGGCTGAACA	26553
GCAGGGGCGGGCGCGGAGGGCGGGGGGCGCGGTCCGCTAGAGCCCTCGGCCTCCCGCCCCTCCCC	26554

Table 2. Additional miRNA sequences

AAGTAGAAGCTTGCTTCTGAGTAGTGTCATTTCTACTCATAGGCTCCTCTGCTTCT	26555
CCACGGTCCGCCCGAGGCTTCGGAGCTGCCGGAGCCGGGCGGGGCCTTGGCG	26556
CCCGCGGCGGCGGCGGCGTCCTACGGGCGGGCGCGGCTCGCTCCCGGGCTGGCG	26557
TGGCCGGGCGCTGCCTCCTCTCCTCCTCCGGTGCGAGGTGTCCTCGGGGAGCCCGGCGGTC	26558
GCTTCAGATGGGATCAGGTGGAGTTGCTGAAAAGTTGCCAGCTACTGTATATATGAATTTAGG	26559
AGGGCCGTCCCCGGGCAGGATGACAAGGGTGGCTCGGCGGCTCCGGCATTGTGATCAGGACTTGCGGGGCGGGGGCCCCGG	26560
CGGGGCCGCGGTGGCTGAGTCACATTCCCGGAGCCCCGCCACCCAGGACACCGCGGCCCCGGC	26561
GGGGAGGCCGTCAGGACGCGGCCGGACCGGGCCCAGTGACCCGCGGGCGGCTCCGGCCGCGCAGGCTGTGGCTCCCCGA	26562
TCCCCCACGGGCCGTGCCGGGCGGGTGCGGGTGTTTACGCGCCGGCCGGCCAGCTGGGGTGG	26563
GGCCGCCGGCTGCTGGGGGTGGGAGACTTGCTCCCTCCTTCAGTCGCCCGCCGTCAG	26564
TCCGCAGCAGGGAGAGCCCGGCCTGGGACGGCGGGCGGGTTCCCCTCTGGTGCGCAGT	26565
CCAGCCGTTGCAGCCCACAGCGCCGCCCGCCCGCCGGGCTTCGGGAGGCAAAGGTGGCGGCGGCGCACCGCGGAGTAGGGGCTGCGGG	26566
GGTCCCGGAGGTGGGGTTGCGCTCACAAGGGGCGACCGTCGCCACGGTGGCGGCCACTGCATCGCGTCCCACCTCCGCGGCCCT	26567
GGGCTGGGCGGCGCGGCGCCGGCGCTGAGCTCCTGTGGCCGCGAGGTGAATGGGCTCAGCCTGACGCAGCCCAGCTCTAGCCCCG	26568
TGGGCTGCGTCAGGCTGAGCCCATTCACCTCGCGGCCACAGGAGCTCAGC	26569
GTGTATATATATGGTGTGTATATGTATATACACACCATATATATACTCTC	26570
CAAAAGTAATTGCAGTTTTTGCCATAAAAGAAATGACAAGAACCGTAATTACTTTTGT	26571
ACACCGGGGGTTAGAGCTTCAACCTCCAGTATGATGGTATTGAGGTTAGAGCTTCAACCTCCAGTGTGA	26572
GCGGAGGGGCCCCGGCGCGGAGCGGGGTTCACGCAGCCGCTAGCGCCCAGGCGCCTCTCGCCT	26573
CTCACCTCATTCATTTACCTTCTCTTACAGATCACTTTTCTGCACTGGACAGTGATCTGTAAGAGAAAGTAAATGAAAGAGGTGAG	26574
GGGCTCCCGGTCCGGCTGCCGCCGCTCCCCCGCTCCGGACCCGGGGCTCCCCCT	26575
CGCGTGCGCAGAGCACTTCCTTGTTTGGCCCCGTGACTGCAGCGCGAGCG	26576
AGGAACACAGGAAATAAAGTGCTTTGACTATTTTAATCTCTATTTCTTGTGTTCCCT	26577
AGGAACACAGGAAATAAAGTGCTTTGACTATTTTAATCTCTATTTCTTGTGTTCCCT	26578
AGTTCTGGTTCAAGCCTGCTGGGAAATCCTGCAGCTGGCTGGCTCACAGAACAGT	26579
GCCCAGAGCCTGGGAAGTGGCCGCAGAGGCTGCTCGGCCCCGCTGCCCGCCAGGTCGTGGGCTC	26580
GGGAGCGCGCTCGCGGGGGGAGCGGGGCTGGGCGCGCGGGCGGGGTCCGCGG	26581
GTGCGCGGCGTCGGAGCAAGCGGCCCCTTCCTTCGGCCCCGCCCAGCCCCG	26582
TGGGGAGAGTGGGCCGGGTGGGAGGCAGGGGCAGTTTGCTGAGCCAGCTCTCACATGGACCCGCGCTTTCTCTCCCCCAG	26583

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Table 2. Additional miRNA sequences

GGGGCGCAGGCCCAGCGGGCTGTCGCACAGCTCGGCTGTCCTGTGCCCCTT	26584
CTTCTCAGCGCCCTACGTGGTCCGTCCCGCCGTCCAGGCCCGCGCCACTTTCGCGTTCCCTGGGGCGGGGCGGGCGCGCTGAGCGCCA	26585
CCGGCCCGGGGTGTCTGGGAGGCTGCCAGGTGCCTCCCAGAGCTCCCAAGGGCCCCCA	26586
CCTGCTGCCCTTGCCCTAGGGCCCCCAAACCCGGGCTCTGGGTCCTGGCAGGGC	26587
TAGTGAAGATTATTGATCACATTAGTCGTGATCACATTAGTTGCGATCGATAACCTTCACCAGA	26588
CTGCTCTGGACGCTGAGGCCCCGGCTTCTCTTGCTGGGGTGTCGATTCGGGAGGGCT	26589
ATGGGGAAGCAACTGTCAGCACCTAATGGGCCCTGTGACGAATAGGGCGGGGGTGCTGGCGGAGCTTCCGAATATCC	26590
CTGGGGGAGGTTCTGTGCAGGGCCCTGCCCTTGGTCCCTGCCGGCCCTTCCTCATAC	26591
GTCTCCCCGCACCGGGGCCCTTGGGTCGTCTCAGCCCTCGCCGGGATCCTGTGGCCCACGTTTGTTGGGCTGGGTGG	26592
GCTCCGAGGTGACGGTGCGAGCCCTGCCCGAGGGCTCCCTCGCCTTCCCCGGAGTGA	26593
CGCGGGACGCCGCCGAGTTCGAGCTCTTCTTCCGCCGCTGCCCGTTCGGCGGCGCCTTCGCCTT	26594
CGGCGGCGCGCTCGGCGGGCTCGGGGCCGGGGGCGGGGCTCAGTCCGCATGGGCGCCGCGCA	26595
GGGGCAGGGTGGTGGCGGGGGGAGAGGGTAGGGGGGCGGGGCCGCAGTGCTCAGCTGTCTTCCCCTCGGCCCTGCCCCAC	26596
GGGCCAGCCGGGGGGAGGTGGGTAGCCCGCGGCCTGCTGACACGCACCCTCCTGCCCACAGAACTCCTCCAAGGCCCGC	26597
CCGCGGGGACAGAGTGGCCGCCGGGTGCTGGAGGCTCCGCTGCACCCCGCGCCC	26598
GGAGGGAGCAGCTGGGCCCTGGGCGCTGAGGCCTGGGTACTGGGGCTCAGATGCTTCCTCTCCT	26599
TGGGTGGGCAGGCTGGAGTAGGAGCGGGAGGGCGAGGTGGGGACGCCCTGCCCCAGCCCAGCGCAGCGACCAGGTGCCCTCACCAGG	26600
GAGCAGCCTGTGGGCACCGCGGCGGTAGTTGGAGGCGGGAGAGGGTCCGTAGCCGCGCCCTGCCCCGCCATGGGCCTCCT	26601
CCACGGCAGCTAGCCCGTCCCGCCAACCCCCACGCTGGGGACGGGCTCTCTGCCGTTCGG	26602
GGGGGTGGGGTGTGGGAGGTGGGGTGCAGCCCCCACAGTCCTGAGCTCCACCCCCTC	26603
TAGGCCCAGACCTGTCTGAGTATGGACTGACAGCAAGCTCAGAGAGAGGTCTGGACCTGG	26604
GGGGCTCCGGGGGCTCCGGGCCGCACAATGGCCGCGCGGGTGCCTCTGTCCCCAAT	26605
TGCGGGTGGAACTCAGGGCTGGGAGCCAGGTCCTGGCGCAGTCAGCCCTGACATTCTGCTCGCTCA	26606
TCCCGCAGGGCCTGCTGGGCTGCGAGACGCTAAGCGGCGCGGGCGGGGAGA	26607
GCCTGACTCTGTGGCCTTCCTGAGCTGCCTCCCCAGTAGGCCTCAGTGCTGGGCTAC	26608
AGGGCTCTGCTCCAGGTCTGCATACCCACCAAGGGCTGGCCTGCCGCAGAGCTGTCC	26609
CGGCGGCGGCGGCTCTGGGCGAGGCGGCGGGGCCTGGGCTCCCGGACGAGGCG	26610
GGCGGCGGGGGCGAGAAGACACCGGGTCGGCAGGGGCCCAGGCCCCACCCTGACCCCGCCTCCCGCTCGCCCA	26611
GGCCTCAAGACAAGTTTCCTGCAGATGTCTGCTTGCAGGTGCCTTCTTGGGGTTTCC	26612
CCCGCCTGGGCAACAAGAGCGAGTTGTCGGAGTCTCACTCTGTCACCCAGGCTGGAG	26613

Table 2. Additional miRNA sequences

GAGGCCGCTTGGCGGGAGACACCCAAGGGAACGGCAGCACCTTGACAGGTTTGCTTCACTGCCCTTGGCTCCTGCCTTGCCGGAGTCTGT	26614
AAGCGGAGCTTCGCTGCAGGGGCCGAGGCCGGACGAGTCCATTCGCGTCCGCGGCGGGGCGCGCCTGA	26615
CACTGAAACTCAAGATAGGAGGAACATTTCTCCCACGTTCCTTACTGTAGTTTCAGGAA	26616
TGCTATTACAAAGTTGCATATATATTTGTGCAAATTTATCCAA	26617
CGGCGGCGGCGGCACCATCCAGGCGGGCACCATGGGCACGTCCGCGCTCTGGGCGCTCTGGCTGCTGCTCGCGCT	26618
GTGGCTGTGCTGGGTCTCACTCCTGACACGGGGGCTGCCGCTGCGGCGCCGCCGCCG	26619
CTGCGGCAGGAGCTGGGGCGGCCTCTCCGGGAACCCTGAGTCCCGCCCCACAGCCTTCCACTGGAGTC	26620
CGAGGTCTCTGTCCCGGGCGGCGGGAGGGAAATGCCGCGCCCGCAGCCAGGGACCCGCG	26621
TCCAACGCCCCGATGCCCCTGGCCTGCATGGCTAGTCAAAGCGGCCGGTGGCCGCTGCGCTGGTGGGGAGGACGATC	26622
ACTGTCCTTTTTCGGTTATCATGGTACCGATGCTGTATATCTGAAAGGTACAGTACTGTGATAACTGAAGAATGGTGGT	26623
TGTCTGGGCGCCAATCCCGACGCTGGGCGGAGCGAGGCCCGGTCCCTGCAGCGGGCGAAAGGAGCCCGGGCCTG	26624
TCCCCTATTCTTATATGTGCTCCAGCTTCCCCATTGTCCCTGGAGCACATTTAGGAATAGGGGAAA	26625
TCCCCTATTCTTATATGTGCTCCAGCTTCCCCATTGTCCCTGGAGCACATTTAGGAATAGGGGAAA	26626
CCCCTATTCCTAAATGTGCTCCAGGGACAATGGGGAAGCTGGAGCACATATAAGAATAGGGGAA	26627
CGGGGGGGAGGGGAGAGGAGGGCACCTAGGCTCTCCTCTTCTCTCCCCCCTCCTCG	26628
ACGCAGGAGTCTTGTATCTTTTACCAGCGCTGGTAAAAGATACAAGACTCCTGCATCA	26629
TGGTGCAAATGTAATTGTGGTTTTTGCCACCGAAAGAAATGGCAAAACCCCAATGACTTTTGCACCAACC	26630
CTGCGCGGCGCAGACATGGCCTCTTCCTATCTTTGAGGCGGTGTCTGCGGCAGCGCC	26631
TCGCCGCTGCCTCCCACCCACCCCCTCGACGGGAGGGTGAGGCGCGGCGCAG	26632
CAGAGCCCACATTCCTAACCACCTTTAAAAGGAGGTGGTTAGGAATGTGGGATCTGGA	26633
AGATCCCACATTCCTAACCACCTCCTTTTAAAGGTGGTTAGGAATGTGGGCTCTGG	26634
AGATCCCACATTCCTAACCACCTCCTTTTAAAGGTGGTTAGGAATGTGGGCTCTGG	26635
CCCCACGATATAGGGAGTGATGGCCACACCCCCTGTCCCCCCTGGCTATTACGATCTACATCGCAGGGGG	26636
GCGGCGGCGGCGGCTGCAGTAGCAGCAGCTACTGCAGCTTCCCTCCCTCCTTG	26637
AAGGCACTGACTGTGCAGGGGACGGAGTTCGTTTCTCATCCCCCACTCTCAGTGCCTCGA	26638
CGGGTCTCGGGGCGGGGCCTGAGTGCAGCTACTCGATTTCCCCGCCCCCGGAGCCGGC	26639
ATAATGGTCCATCTCCAGGCTCTTGATGTTATCCACCCACAACCCCCCCACTTCTCTCAAAAGGATCCTGGTTTGGACAATACATTA	26640
AAGGAACAGGGGACACTTGTAATGGAGAACACTAAGCTATGGACTGCTAGTGCTCTCCGTTACAAGTATCCCCTGTTACCT	26641

Table 2. Additional miRNA sequences

CCCAGGAAGGATCCCAGCCAGTTTTGGTGCTGGAGGCCCGGCCAAAGGAAGGGCTGCTCTCCCGTCCCGCGGGC	26642
CTAGGGATTTGGATGTGAACAGTTCCCCCTTCAAAAAATGTTCACATCCAAATCCCTAGAA	26643
GATCTCAGCACTGCTCCTCTTCTAGGCTGAAGCATGGAGGAGTACTGATGAGATCTC	26644
AAAAGCTGTCCACTGTAGAGTTGCTGTATGTAGCAATGTGTATCCACTCTACAGTGGTCAGCTTTTTAGTAGA	26645
CGTGGGCAGCCGGCGGGCTCCGAGGCCGTGAGCGCAAAGCCTCAGGCCCCGGCTCCCTCCTGA	26646
AGGGAGCTCCATTCCCATTGTAGTCTATGTCTGTACAATGTGTGAATGACACTCCCTAA	26647
AGTATCCTGTGGAGCACCCAGACAAATTCCTGAAGTTTGGCATGACACCTTCCAAGGGAGTTCTGTTCTATGGACCTCCTGGCTGTGGGA	26648
CTGGTACTGCGTCTGTGGTGAACCTGACAGCAGGTAGGCCGGATGCTAGCTTCCGGGT	26649
GCCAGGTCCCGCCGGCCGGCTCCGGGGCAGCGCCCGCGCCCAGGTGCCAGCCCGTGGGAAGGTGA	26650
GCCCCGCGCGCGCCGCTCGTCCGGGTCAGGTCGCCTCGGCCCGGCCCGTCTCCGCTCGCTGCGCCGGCGGCCG	26651
AAGCCTGTCCCTAAATCCTTCCTGGCACCAACTCTGGAAGGCTGGGAGGGACTTAGGGACAGGCTTTT	26652
GTTATCATTGTTTTAGTGTTTGTACTGATAATGTGGAAGCAAACACCAAAACAATGAAAACAGA	26653
GTTATCATTGTTTTAGTGTTTGTACTGATAATGTGGAAGCAAACACCAAAACAATGAAAACAGA	26654
CGCTTATCCTCGGGCGCCGCCGCCGTGTTCTCAGAGTGCTGCGGCGAACTGGCTGGAGGAGCTAGGGGA	26655
TAGCAGTGCCCAGGTAGAGTGTAGGCCCAGCTTTCTCTATCTGCCTCAGAGGGAAACATGGACTGGCACACTGCTCCACTGT	26656
TAGCCAGAGTTCCTGAAGAAACTGGGACTATTTTCTTTAGGAACTCTGGCTAACT	26657
GTTAGCCAGAGTTCCTAAAGAAAATAGTCCCAGTTTCTTCAGGAACTCTGGCTAACT	26658
TTCTGGTACTCTGCATGAGGGACAAACATTCAGACCCTCATAGCAGCGTTCTGGAATC	26659
TCCCGCGCTCCGCCGCGCTGTGCGAGGCCCAGACTGAGGGCGAAACAGCAGGCAGGACTGGGTGGGAGACG	26660
CGGCCGGGACGCGGAGCTGTGTGCATCTCCTACGCGGGCTCGCTCCCGGGAGCCGCGCAGCTTCCCCGGCGGTG	26661
CGCGGGGCGGGGCGGAGCACTCGGCGGAGCCGCTCTGCCTGCGTCCGCTCTTCCCGCAGC	26662
TTACTAAACCCTAGGGTCAGTGGTGAGCCAGCTCCAACTCACCACTAGCCTTAGGGTTTAGTAATC	26663
CGCGCAGACTTGCGCACGCGTCGTGAGAGCGACCGCCTCCGTCTCTCGCTGGGCTCGCTAGGGCTGCGCGTT	26664
CGGCCCCCGCGGGCTCTGCGGACGCCTACTGCTCCCGCACCCTCGGCAGAGTCCGCGGGGCGCAGCA	26665
GCAGACAGGCACAGCCCCGGGAGCGGCGGACGCCAGCGCCGGCGCCGCAGGGAGCGCGTGCGGGGCTC	26666
GGAACAAGGCGGGGGGTTCGGGGCCGGCTGCAGACTCTCACCGCAGCGGCCAGGAACGCCAGCCGTTCACG	26667
TGCGCTCTGAAAGGCCGGGTCCCGCGTTCCGGTCGATCGGTGTTCCCCGGGACCCGCTCCTCAGGGCTGA	26668
TGCGCTCTGAAAGGCCGGGTCCCGCGTTCCGGTCGATCGGTGTTCCCCGGGACCCGCTCCTCAGGGCTGA	26669
AGGGGCGGGTGTTCCGCGCGCTGCCGGTCCCTTGTACCCAGCAGCCCCCGGCCACCGCCCCTCC	26670
CGGCCGGGACAGGAAGAGGCTGGGGACCGCGGCGAAGGTGGTGAGTGCTCTTGGGCGCCTTCTCCCAACGTCCCTGCCAGA	26671
GCTCCAGGTGTCGGGCGCCGGGTCTGGCCACCGGGGCGCAACCGTCGGAGCGG	26672

Table 2. Additional miRNA sequences

TGACTTCTGCCTTCCCAGAGTGTTCTAGAAGGTGAGCTCTGAGAAAGCAGGGGTGAGC	26673
TGCCCTTCCACGACCCCTACCGGCAGTGAGTGGGGGTCCTGGGGGGGCGGG	26674
GTCGCGGGGCTCCTGGCGCCCCCCTAGACGACTGTGTGGAGAATGGAGCCTGCGGAGCCACGCGTAGA	26675
GACAAATTTTAAATGTCCCTGTCCCCTTCCCCCCAATTAAAGTAGATTGGGGGAAAGCGAGTAGGGACATTTAAAATTTGTT	26676
CTCGGCAGCCTCAGTCCGTCCGCCTCGCACTGGGGGCTCGGCCGGGCGGTGACGGGGCTGGTCCAGCG	26677
GCGGCGGCAGGTGTAGAGGAGCCCGGGTGGGGCGCGCCTCTCTCCTCCCGCCGGACA	26678
CGGCGGGAGGAGAGGCGCGCCCCCACCCGGGCTCCTCTACACCTGCCGCCGCC	26679
TCCGGACGCCGTGCGCGTGCGCGCCGGGCGGGGGGCGGAGCGGCCGTCGCAGGTCC	26680
TTTGGCAGCACAGGCAGCTCCAGGTGCCAGCACAGGTGCTGGCTCCCTGCAAGGCTGCAGCTGGACCAGATG	26681
AGTCGCCGCGGCGGGGTCGAGCGGGGGCGGCAGCTGACAGGCGCTCCTCCCCCGACCGCAGCGGCTGG	26682
CTCAGTCTCCTGTGCAGACCTGTTTCAACTCCCTGTACAGGTTTGTCCGGAGACTGAAGGG	26683
CTCAGTCTCCTGTGCAGACCTGTTTCAACTCCCTGTACAGGTTTGTCCGGAGACTGAAGGG	26684
TGCTAGTGGCACACAGTGCTTATCTGCATAAATAAACACTGGCCACCAGCAGT	26685
GCCGCCGCCCAGGCCCCGCGCCCGCGCCGCCTGAGGTGATGCGGACC	26686
ACCTCTCTAACAAGGTGCAGAGCTTAGCTGATTGGTGAACAGTGATTGGTTTCCGCTTTGTTCACAGTGGCTAAGTTCTGCACCTGAAGAGAAGG TG	26687
CTCCGGTGCCTACTGAGCTGATATCAGTTCTCATTTTACACACTGGCTCAGTTCAGCAGGAACAGGAG	26688
AGAGCCAGGGGACGCTGTGTGAGGCTGGCAAAGCGGTGTTCACCTAGTTCTCTCGGGCTCCGC	26689
GGAGGGCGCGCTTGACCTGGGGCTGGGGTCCAGCCCTGCCCGCCGGTGCCGTCTGC	26690
CTGGCACAGGGGTTGTAATACCGTTGGGAATTGCCCATGATATTGCAGTCGCTGTGCCAGGA	26691
TCCCGCGGGAAGGGCGCGGGGCGGGTCGAGGAAGCTCCGCGGCCCTCTCCTGTGCGAGG	26692
GGAGGCGGCGGCCGGCTCTGGGCGCCGGGAGTCGGCGGGCGCGAGGAGCGCGGAGCCGGAGCTGGACGCCGCCGCCACCGCCAC	26693
CCCGCCCCTTCTCCATTCAACGCCGCGCGGGGGCGGGGCAGGGCGCGCGGGGCGGGGCGG	26694
TTGCTGCACCTCCAAAGTTTTGTTCTTTCCACTGAATATTCCACTATTAGGTCAGCAGGCT	26695
CGCCGCCGCTGCAGGTAGGAGGCTCCCCTTCCGGGCGGGCCGCAGCCGGGCGGGGGCGGGGGTG	26696
CGCGCCCAGACCTGGGGCCCCCGGTGAGGTTCTAGCGTGAGCCCCGGAACCCCAAGACAGGGGTACCCGGAACGCGCGTG	26697
CGCTGCTCCTGCTGCTACTGACGGGGGCCCGCCGCCTGCGCAGCCAGCCCCCGCGGACGACGGTGCGGGGCCCCGGGGGG	26698
CCCCGGGGTGCCCCGGGGGGCCAGGCGCGCCTGACTTTCTCCCTTGGGCACCGTGCGTGGGGTCGGCGG	26699

Table 2. Additional miRNA sequences

TGCAACAGTAATTGCAGTTTTTTGCCATTACTTTCAACGGCAAAAACCGCAAATTACTGTTGCACC	26700
CTTAGACTACCAGACTCCCTGAAACTGCATGTCCTCAGGGAGTCTGGCAGTCTAAGAG	26701
TGTGCGCCTGCGCGGAGGCGTCGGCTGCTGACGTGTAGCTGGGGCCAGACGGGACTAGCCGGG	26702
ATGGAGGGAGGGGCTGGCATCAGTCCCCGCTGCTCTGAGGACACCCGGCTTGGGACGCGCTGATGCCAGCCCCTACCTCCATCA	26703
GTTGGGGAGAGATGAAGACCCTGTGGACCAGGGCTCACTCTTCTTCTCTTGTTCCCCC	26704
CGCGGCGGCGGCGGCTCCGGCCCCGGTCCCAGCCCCGGCCCCGGGCGCCGCTCCAGCCGATGTCGCTCT	26705
GGCTTTGTCTGCCCAAAGAGTGGGGCGCGGGCCTCGGGCACCGGGCGCCGCGGAGCAGACAAAGGATG	26706
AGCTGAGCGCAGCTGGACCCAGCAGCCGCTGTCTCCAGTGCCGCAGCAGCAGG	26707
GTCGGGTCGATCCGGGTGGGAACCCAGATGTCTCCAAGATCCGAGACAGATCCCCGCCCCGCGCCCTCCCT	26708
ACGGAGGCGGAGGCCGCGGGCACCGCGCTGGCCCCACAGGTGCCGCGGAGGGTGGCAGGCCCGCTGGCCGAGGCACTGCCGA	26709
CCCAGTGCGGCTGAGGAGGGGGAACACCCAGGTCCTTCAGCGGCCGCCGCCCACGCT	26710
CGGCGGGCGGCGGAGGAGGACGGCAGGTCGGGTAGGGCCGTGTTTCCCCTCCTCCTCCCACCCTC	26711
AAGTCACGTGCTGTGGCTCCAGCTTCATAGGAAGGCTCTTGTCTGTCAGGCAGTGGAGTTACTTACAGACAAGAGCCTTGCTCAGGCCAGCCCT	26712
GCCC	
TTGGCAGAGCCCCAGCCTTGGAGCCAATCAGACCAGGGTTCAAAGCTTGGCTCTGCCACC	26713
CTGATGGCTGCACTCAACATTCATTGCTGTCGGTGGGTTTGAGTCTGAATCAACTCACTGATCAATGAATGCAAACTGCGGACCAAACA	26714
CCCAGGAGGTGGAGTGCAGTGAACTGAGACTGTACCACTGCACTCCAGCCTGGGTG	26715
GCGGAGGCGGTGGAGGAGGTGCTGGGAGCAGCCGGGCAGCCGCTTCCCGCCCCCGAGC	26716
GGGCCGCGAGCGGAGCCGGCTGAGCGGGCGCCGAGCTCCCGCCATGGCCCGG	26717
CCCGGGGCGGTGCGCGCGCTCATTGGGCTCTGCGCCTCCCGCCGCCGGCACCGCCCCCGGGGCC	26718
AGGAGGCGGCGGCGGCCGTGAGGGCAGCGGGCGCCGCCTCCGCCTCCGCC	26719
GCGAGCCCCTTGCTGTATGGAGCCTTGTTTCAGAAAGGGGCCTCCTGTAACGGGCTCTGG	26720
GCCAGGCAGGCCAGCCAGGTCCCCGAGGCCCGGGCTGGCACCTGCCTGGAGA	26721
GGGGAGAGGGGCGGGACGTGGGCTGCGGCGCGAGCCGAGCGGCCGGCCGAGGCCCGAGCCCACCCGA	26722
TCAGCAGCCGCCCGCCTCCAGGCTGTCGTGACCCTGGGTGCCGCGGCGGGGGAGTGCTGGGCGGCTGGCTGGTG	26723
CAGGGCACGCACTGGCCCCGGCGCCCACCCGCACCCCTCCCCAGGTCAGTGCGTGCCCGCGC	26724
TCCCAGGCCTGGGCCGGGCCGTGACGGCGGCCGCTAGGACCCGGCGGGTGCGGCGAGGCCTGGGCGGCCTGAGGAGC	26725
CAAGCGGCGCCTCGCAGCATCGGGCTCTGGCTGCAGCGTCGGGGGCCGCAGGGGGCGGCGCTGCTGCTC	26726
GTCATGGGTCTGGGCTTTGTGGCGGTGGGGGCAGAGGGAGATGGTAGCCTGTCCAGCCACCAGCCCCCTCTCCAGGGCCC	26727
AGGTGAGAGGTGGGGTGGGCCTGGAGTGCGCCACTTCTGCTCCCCCATCCTGCTCTCTCCCAGA	26728

Table 2. Additional miRNA sequences

GGGGTGGGGTGGGTGGGGTCGGGTGGTGGAGAGGCCTTAGCTGTCCTGGCTGGTGCCCCTCCCAGGCTCCTTTTCACCCTGCCCCCT	26729
TGCCCGCGCGCGACCGGCGACCCCGCCCCGCGCCCCTGTCCCTAAAGGGAAGGGCGTCCCGCCGGGCGTCGCGGGGCCTA	26730
CTCCTCGCCCCTTCCCCCGCCACCCCGTCCGGGCCCCGCGGCGGGGCGCGTTGGCGCGGGGAGGGACTGCA	26731
GGCTCGGCTTCGCCCTGCGATCCCGCCCGCGACCGCTGGGCGCCGTCCGAGTTCC	26732
GAAGCGGGTGCTCTCGGCTAGGGAGTGGGCAGCGAGAGGGGCCGAGGGCTCCTTACCGGG	26733
CGGCCGCGGGCCTCCGTGCCTGCCTGGCCGAGGCTGGCGGCAGGTCCTGAGGTCTGAAGCACGCC	26734
GGCGCTGGGCGGGCGCGCCGGGCCTGGGGAAGGGGCGGGCGCGGGGACCCGATGCGCGGG	26735
TAAGCGTGCGCCACTGTGCCCAGCCTGCTAATTAAAAAAAAAATAAGGCTGGACGTGGTGGCTCATGCCTGTA	26736
TAGGTCGGTGCAAAAGTCATCACGGTTTTTACCATTAAAACCGCGATGACTTTTGCATCAACCTA	26737
AACCCCAGACTGGGAGGACCTGTGGCCCTGCAGGTCCAGCCCAGAACCTGGGCTCCAAG	26738
GCCGGCCCCGCGCCCGCGCTGCGAGCCTTCCATGGTGCAGCGCATGTGGGCCGAGGCGGCCG	26739
CAGGCGGCAGGGGTTGGTATCCGAGCAGGGATCCGAGGCTGTCCCCAGCCTCGGCCTCTCACCCCGGTGTTGCTGACTGCC	26740
CCTGCCTGTGTCCCCAGTGTCTGTTCCATCAGGCAGTGGGGACACAGGCAGACT	26741
AGCCTGGGCACAGGGCCTCACTGCAATCCCTGCGCCCCGCCTCCCTGGGGGATTTCCAGGGGTTGTCCTGCTGCTTGGTGAGCTGG	26742
TTGGCTAATCGAGCGCGCGGGCTGGCGGCTCGGCGTTCGTTTGGCCGCGC	26743
GCCCGCGGGGCCGGGTGCGATGGCGGCGGTGGCTGCGTTGCAGCTGGGGCTGCGGGCGG	26744
CATGGCCGGAGGCGGGGCCGGGCCCGGATTAGTGCCTGGCTGCCTGTCCTGCCGGCGGCCGTGGC	26745
CCTCCGAGACGCGACCTCAGGAGGCGCGAAGTTGGCCAAAGTCCCCTCAGCCTGGGTCGCGCCGCCGCCGCC	26746
CGCCGCGGCTCCTGCCCCGCCCGAGACAAAGGCCCGGCGGGGTCGCTCGCTCC	26747
CTCCCAGGGACGTGCAGGCAGTTGGCAGAGGTGTGACCTGCCTCCTCCGCCAACTGCCGTGCGGCCCTGGGAAGAGCT	26748
CTGCATGTCACAGGCAGATTCCTGGGCTCCACCTCAGGGACTGAGGGACTCAGGAATCGGCCTGTGGCATGCAGTC	26749
TGAGGGCTGCTGGGTGCCTGGAGCGCGTATGTCCCCACCGGGGCAGGCCAGCCCCGCACTCCACCCG	26750
GGGGCTGGGCGGGCGGGGCGCGGGCCGAGCGGTGGCGGCGGCGCTGCGCCGAGTCAGCGCCCGTCGCGGGCCCCCCGCCACCCCCC	26751
CGGTGGCGGCGGCGGCGCGCGGAGGCCGCGGCGCGGCGAGTTGTTGCAAAA	26752
AGCAGGCTGGGCACTGAGGGGTGAGACCCTGGCCGCCCCCATGTCCAACCCACGCTGC	26753
TTGGAGCGGGTCCCTGGCAGTGGGCAGGGCTGGCCCGCCCCTGCAGAGTGAAGGATAGCCCGGGTTTGGG	26754
GCACGAGGTCGGCGGCGCCGTCCGGCGGGGCCTCCATCTTCCTCCAGCCCTCGGCGGCGGCGCGGCCGCTCGCGTCC	26755
TCGGTCATCCAGGAGGTGGCCGCCCCCGAGCCGCTGCCCGCCGATGGCCAGAGC	26756
ACAGGGCCCTGCCAGGAGGCCCTTGTGGTCAAACCGTTGGCTTTTGTGGGGCACAGTGGCATGGGCTTTGGCT	26757
GGCATTCATCCCACTGGGGTGCGCCAGGGTGGACAGGTGGAGTGTGGCCTG	26758

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Table 2. Additional miRNA sequences

TGGGGTGCAGACTCCCGGGGGGGACCTCGTCACAGGCCCTGCTGGAGGGCTTGGCGCGCTTCCCCCAAGTCTGGGCCTGACT	26759
TGGCCGGGGGGCTGGGGGGTCCTGGGGATGCCCCAGAGGCCCAGCCCTGGCACCT	26760
CCGGGCTGACTCCGCTTCTGGGCGGCCGGGCCTCCGCGAGTACCGGGTCGACTTCGGAGTCTGCGAGCCCAGCCA	26761
GGGTGGGGCGTGTGGGGCAGCAGGGTGAGCCTCTCACTGCCCTGCTCTTACCCCT	26762
CAGTGGGGTTGGACCCCAGCCGTGGGTGGTGTGCCATGCCTGGCCCAGGGGCCGTGCCCACTGAC	26763
CATTATTACTCACGGTACGAGTTTGAAGTGTCACAGCGCGTACCAAAAAGTAATAATGT	26764
GGCCCTGGCCTGGATCCATGCTGGGCAGAAGCAGCTGGACACTGACCAGGACCCC	26765
GGCCCTGGCCTGGATCCATGCTGGGCAGAAGCAGCTGGACACTGACCAGGACCCC	26766
GCAGAGGGGTGTTGGCTGCTCCCAGGGTGGCTGGCTCGGGGCCAGAGCCCTGGTGGGAGCCCAGCCTGCCCCTCTAGTG	26767
AGATGGGCGGGCAGGGCCAGTGCGAGCAGGTCTGGCACACACCTGACCACCCACTCTCC	26768
TGCAGGGCGGGTGTGGGCAGCAGCGGGCGGGCCGGCTCACCCAGGCGCTGTTCTGCAGC	26769
CCCTGCAGACACGCAGCCCCGTGGAACTCCCGGCGGGACGGTTGGGGCTGGAGGAACAGGA	26770
GCCCGGTGTCTGCGTGGCCCATCAGGGGAGACGGGACGCGGTGCCCAGGGAGGGCTTCTCGCGGGGCAGCCT	26771
TGCAGGTGGTGGAGGTGGGCGCACTCCTGCCTGGGCGTCCCTGCCGCAGCCTCCCCCTCCACCGCCCCTGCAGC	26772
ATGGCTTCGGAGCAGGACGTGCGCGCCCGGCTGCAGCGCGCTGGCCAGGAGCACCTCCTGCGCTTCTGGGCCGAGCTGG	26773
CAGCGGGTGCCGGCGCAGCCAGAGCGGGCGCAGCGCGCACCCGCAGCC	26774
CGGCGGCGCGGGGGGCGCGGGGGGCGCGGCTGCTGGAGCGGTACCGCCGCGTGCCTGGCGTGCGCGCCCTCCGCGCCGACAGCG	26775
GCCGCGTTCGCAGCATGGCCGCCCTGGGGCGGCCGGGGCCGCGCGCTG	26776
GCCCGTGCCCCCTCTGACAGCCATCCTCCTGGGAGCCCAGGAAGGCATCCACGAGGGAGCTCCTGGCCAG	26777
CTGGTCACAGCGTGGCAGCGGAGGCCCTCGAAGCCCTGGTCCCCTGCCTCACGGTGACCAGCA	26778
GCGCCCGTCCGGGGCGGGGGCTGCCTCCCTGCGCACCGGCCGCGGTGACTCAGCCCCGGCCCGCCCGGGCCCG	26779
CAGCGGGGTTGCACCTGGCGCTTGGCGCCCGCACCTCTGCCCGCCTCGGAGACCCCGCAGCC	26780
TACGTCTGCGCCTGCGCCTGCGCCCGCGCCTGCGCGTTGGAGCTCGACCGGTGCGGCGCCTGCGCACTGGAACCAGGCGTGCGGCGC	26781
CCCGGGCCATGGCCGCCGCCGATGCCGAGGTGAGCAGCGGGGGCCGGCGGGGGGCGCGCGGGGG	26782
CCGCGCGCGCCGCTCGCCCTTGGCGCCGGCGCACTCCTTGCTCGGATCCTGGTGCCGGTGCGCGCGGTG	26783
TACGGTCAATGCTCTCGAAATCTGTGGAGCAAACCACAGTTTCATGCCCATCGTCCT	26784
AAGGACAGGCCCATTTGAGTATTTTGTTTTCAATTAGGGAGATAGTTGGTATTAGGATTAGGATTGTTGTGAA	26785
GGTGCTGAGGTCGCCTCGGTGCTGAGACCTCCTAGGTATTGAGGTCGCCTCGGTACTGAGGTTGCCTCGGTGCTGA	26786
CGCCGCGCTCTCGGGGCAGGGCCGGGGCCGGGGCGCTGCAGGCGTGGCCCG	26787
CCGCTGGGGGTTCCGCGGCAGCCTTGACCTTGTGAAGGTCAGGCCGCTGCCAGTACCCGAGCGGGC	26788

Table 2. Additional miRNA sequences

GCTCAGAAGTGCGGACGCCCGGCTCCCGGCGTGGACGCCATGGTGCTGTGCCC	26789
TCTGTCGTCCAGGCTGGAATGCAGTGGTGTAATCAATGTCCACTGCAGTCTCAACCACCTGGGCTCAAAC	26790
AGCCTGGGAAGTGGAGGCTGCAGTGAGCTATGATCACGCCACTGCACTTCCCAGGCTCA	26791
CCCCGCGCGCCGCCTCCTCCGCCAGCACTAAGGCCCGGCGCCCGGGGCGGCGGGGAGCCGCCCGCCGCTCCTGGCGCAT	26792
CCCCGCGCGCCGCCTCCTCCGCCAGCACTAAGGCCCGGCGCCCGGGGCGGCGGGGAGCCGCCCGCCGCTCCTGGCGCAT	26793
GAGGCAGCTGAATGAGGAGCTCTGCGCCCTCCGTGAGCTGCGGCAGCGGTTGGAGGACGCCCAGCTCCGTGGCCAGACTGACCTCCC	26794
CCGCTGACAGCTGTTGGGGGCTGCGGAGGCCGAACGCGCCCACGACAGGTGTCAGGCT	26795
GGTCCACCTAAGTCTCCGGGAGCTGAGCCACATCTTGCAGCTCCTCAGATTTGGGTGGCGGG	26796
AAGGGAAAATAGTTGATGACCAACTGAAGCAATCAGAGCTCACCATCTTGGTCTTCAGCTGTTTTCCCTGGA	26797
AGATGAGGCTGGCGAGGGCAGGGGTGACATCCTACCTCCGCTCTCAGCCTCTCATCTGT	26798
CCCCGCCCCCCGCGCGGCCGGCCCGCGTGCCCTGCGGTTGCCGCGAGCACGCCCTTTGACCGCCGCCGCGTGCGGGGCC	26799
TAGGTTGGGAGTGAGAGGGTGGTGGCCTGGTGCAGTGCATCAGTGGCCTCTGGTTGCCTCCACCTCCAGCCCCTG	26800
CCGCCAGCTCTCCAGCTGCCCAGCGCGGTGGCGCTCGGGCGGCGGCGAGGCTGGGCGCG	26801
CGCCGCGTGAGAACCGGTGCGCCTATCGCACGTGCACGCCCTGCGTGCGCTGTGCGTGGAAGCGGTGCGCCTATCGCACGTGCACG	26802
CGCCCCAACCTCAGCTTCTGGGCCTCGCCTACTTTCAGGAAGGGCGAGCCCAACAGATCTGGGGGCGTC	26803
CGGGACGGCACTCGGCAGGCTCCTCGGACGTCTACGAGCAGCCGCTCCCGGC	26804
GCTACGGTAATCTTTATACTTATTGAGACATATATTGTTTTTAAGTAAAACTTGTATAC	26805
CAAGTTGGCACTGTAGAATATTGAGGAAAAGATGGTCTTATTGCAAAGATTTTCAATAAGACCATCCTTTCCTCAATATTCTGTGGTGTCATCTTTG	26806
AGGTCCGGGGTGGAATCGACGTCGCTGCGGCTGCCGACGACCCACACCCGGCCGGC	26807
AGGCCACGCACTTTTTCCTCGCTTCCTCTGCCCTTTCTGGAAACAAGGGATGAATGTAAAGAACTGG	26808
GGCCGCCTTAGCGCCCGGGTGCTTGGGTCGGCGCCGGGAGCGAGGAGCGAGCTAC	26809
GAGTAGGGGCCAAGGCATGGCCCTGCCACTGCCATGCCTTGGCTCCCACTCAA	26810
GCGGCGGCTGTGGCGGCGGCAGCGGCGGTGACTGAGGATAGAGAGCCACAGCACGAGGAGCTGCCAGGCCTGGACAGCCAGTGGCG	26811
GAAGACAGAGCGGCTGAGCCCAGACCTCCTGACCCTGGGACCTGCACTGCCTTCATC	26812
TGGGGCGGCAGGTGGGTTGCATGGAGCCAGGCTGACCCTCCATGTCCCCCCAGG	26813
CCGCGCGCGGGTCCAGCTGCGCAGTCTCCAGGCTGCGGGCGGCCGGACCCACCCGCGGGG	26814
CGGCGGGGGCGGCGCTCGTTGGAACAGCCCAGGCGGCTGCAGCCCCGCCCCTCGCG	26815
GCCTGCGCGTCGGAGCCCGGGGAGGTCGGCTCGTCTCATCGGGGTTCGCCGCAGGCT	26816

Table 2. Additional miRNA sequences

CAAGAGAGGGAATGACTGGGCTTCCCTTACATCCCCCGCCTCCTTCCCCTC	26817
GGCTAATTATTTGTATTTTTGTTAGAGACAGGGTTTCACCATGTTGGCCAGGCTGG	26818
CTACTTCCTGGTAAACCCATTGTAATGTGCAAATTACGGGTTTATCAGGAGGTGACC	26819
CCCGGGGGAGCCGGCGCTCTAGGCGAGGAACCCGTCAGCCCCGCCTACCCGCCCGTCGTCTTTGGCGC	26820
TCTGGAATTAATGAGAGGAGAGGGTGAAGACTCCCTTGGTATCACATTATTGAAACAGAA	26821
CCTAGTTCATCTGGATGGACTCTTGTTATTATAAGATTAGTTTTAATGAATTATTTA	26822
AGAGTTGGGAGAGAAGAGAAGAGTGCTTGGTATCTTGACAAACCCTCCTACCTTTTCTCCTAACTACAT	26823
AGAGTTGGGAGAGAAGAGAAGAGTGCTTGGTATCTTGACAAACCCTCCTACCTTTTCTCCTAACTACAT	26824
CGGCGGCGGCGGCGGCGGCGGCAGTAATTGTTCCTGCCTCCTCCGCCACCTCCGCCCCTGCC	26825
GGTCGGCGTCCCGGCTCTGTACCCAGTCCGCCGGAGGTGAGCCGCGTTTGCTACTCCGGGTCCCGATTCC	26826
TGTTCCTCAGGTCAGTCTCCCACCATTTCCTCCTCTCCTTGTTGCAGTGTGAAGCTGATTTGGGGAACCTT	26827
CAGGCGGATCCCGAAGGCCTGCGGGGCCGCCGCCGGGCCAGCCCGCAGCCCGGCGCGCCAGGGCCGGCGGGGGGCCCCCTCGG	26828
CTCCCTTTGCTTCACTTGACTGTCTTAAAAAAAAAAAAAAAAAAAAAAGAACATTCATGGCTGGGCCCAGTG	26829
CAGCCCAGTGGTGTGTGATCGACACGATTGATCATCACACATACACTGGGCAA	26830
AACCATCCCAGTTTCCCTAGGACTGTTCCAGTTTGAGCACAGGCAGTCCTATGTCACAGGACTGGGATGGTTGG	26831
GAGCCTGGGAAGGTGGCCGAGCACCCCTTCTTCTTGGGCCCTTCCCAGTGCTCCC	26832
GCGCGCGGTGGTGTGGCAGAGCCAGCCGAATCGCTGGCTGCAGACGGCTCGGCCCACCCACGCGCCCGC	26833
AATCTAGGAGGCAGGTGCTCACTTGTCCTCCTCCATGCTTGGAAAATGCAGGGAGGAGGCCATAGTGGCAACTGTTACCATGATT	26834
AGGTCCTCAATAAGTATTTGTTGAAAGAATAAATAAACCAACAAGTCTTATTTGAGCACCTGTTATGTG	26835
GCCGGGAGGTTGAACATCCTGCATAGTGCTGCCAGGAAATCCCTATTTCATATAAGAGGGGGCTGGCTGGTTGCATATGTAGGATGTCCCATCT	26836
CCCAGCCCACTTCGTCA	
ACAGGTATTTTCTAAGTGGGTCTTTGGATGGAAAGCTCCGCCTTTGGAACATACCTGACA	26837
GGCGGCGGAGCCGGGAAGTGGAAGAGGGAGCGAAGGAGGCGGGGACTGCCAAGGCTCCAGCCCGGCCGGGCTCCGAGGCGAG	26838
CCGGAGAGCCCCAGGCCCGAGCCACGCGGTCTTCCGGGCCCGGGTCGGGGCTCGATGGCT	26839
CCGGAGAGCCCCAGGCCCGAGCCACGCGGTCTTCCGGGCCCGGGTCGGGGCTCGATGGCT	26840
ATAGGGGCCGGCGGGGGCACGGACCCCGCTCAGCGCACCCGCCTCCCGGTTCCCACCCACGCTCCCCGGACCCCGTCC	26841
GCTCTCTGGGAGCCACGGATTGGAGTAACAATTTACCTAATTTACCTAATTTACCTAATGTGCTCAATTTACCTAATGTGCTATTCTACTGTGGCTGTGGTTGCAC	26842
CGGCGGGTGCGGGGGGTCGGCGGCGGAACCGCCTGGCGTTCGCTCCCCCTCCC	26843
TGAGTTTACAGATGAGGAGTAAGTAACCCTTGGGCCTTACTCCTCATTTGTAAACTCAGG	26844

Table 2. Additional miRNA sequences

CCTAGGCAGGGGTGGCTGGTAAGCAGCTGTGCCGATGGCCTGCCTCTGCCTACA	26845
CAGAGGGCGGTGGTGGCGCCTTCCTGCCGAGTCCGAGGCCGCCCCCGCCACCCTTCTCT	26846
AAACGATACTAAACTGTTTTTGCGATGTGTTCCTAATATGCACTATAAATATATTGGGAACATTTTGCATGTATAGTTTTGTATCAATATA	26847
CAGATCTCAGACATCTCGGGGATCATCATGTCACGAGATACCAGTGTGCACTTGTGACAGATTGATAACTGAAAGGTCTGGGAGCCACTCATCTT CA	26848
GTGGGCGGGGCCACGAGCGGGGCTCCAACCCTCTCATGGACTCCGCCCACAA	26849
TCAGAACAGTGGCTGGCATGCACTGGCTCTGAGCACTCTCTGCATGCCAGCCACTGTACTGAGT	26850
CTGAGGCGGTGAGTCCCCGAGCGGCCAGAGGGCGTGGCCGTTCCCTGGGGCGCGGGCGCGGGT	26851
GGCCGCCCGCGGTCGGACCACTCCCCGAGGGCTCACGGGAAAGGGGCGGGCCCGGGGGTAGCCGTCGGAGCGCGCGCCGCGC	26852
AGAAATAAGGCTTCTGTCTACTACTGGAGACACTGGTAGTATAAAACCCAGAGTCTCCAGTAATGGACGGGAGCCTTATTTCT	26853
AGCCATCCTTTTGAAGGACATACACAGTAAGTGCAGTAGGCATTCAGAAGGAGGCACT	26854
TCCGCGCCTCCAAACAAAGGGCGCTCGGAGAGTTTGAGCCCTTGTGTGTGGTGGGGCGGAGG	26855
TCACCTGGCGGCCCCCGCGTTACCCACAAGGCCGCGCGCGGGGGTCGGGGGGCGGG	26856
AACGCGCCGCGGGGCTGTTAGCTCGGCTGGGCACGGGCGGCTCCGTGGCGCTTC	26857
GCGCCGCTCCACCGAGGGCCGCGCGTCGGCCGCCCGGGCCTGGGTGAGTGTGCGG	26858
TGGCCCAGTTCAGTACATCCCCACAAAATGTTACTAGGGGGATGTACTGAACTGGGTCAGA	26859
GGAAGGCAGGAGAGAGGGGCGGGGTGGGGAGTCTGTGCCTTCACCTCCTCCGCCCACCCTGCTTCAGG	26860
CTCTGTGCCTTCCCCATGGTGGAGCTGGGTGCCAGCATGGAGCAGGCCCGGAGA	26861
CTCTGTGCCTTCCCCATGGTGGAGCTGGGTGCCAGCATGGAGCAGGCCCGGAGA	26862
CTGGGTGGGCAGGTGGACCGGGTGCCGCCAGCATGCACTCAGGAACCCTGCCCGCCCCCC	26863
GGAGGTGCGGGGGGGGTCTGGGCCAGCCTCCCTGACCCTGCCGTGCCTCAGG	26864
GCCTCGGATGACGGGGGATGTGCTTGATTCCTTCCAGACCAGCCCCTCCACCGAGTCC	26865
TTCACGATCCGCTGGGACCCGCGAGCCCCGCCGCCCGTTATGAACATCCGCAATGCGAGGGTGAGCGCCCGGGGCGGGAGG	26866
GCTGCCGGGGGGGCGGGAGGCGCGCGGGCTCCTGGCGCCGACGCCTGACGCCCCCCGCCCCGCAGC	26867
GGCCGCGCGGCGCAAGATGGCGGCGGGGCCCGGGCACCGCCCCTTCCGCCCCGCCGGGGCGTCGCCACGAGGC	26868
GGGTGGGGAGGGGCAGGTGGCTGGGGGTGTCCCTGCGAGGTCTCAGCCTCCGCTCCTCTCCCCGC	26869
AAGGGAGGGGTCGCCCAGCCGAGCTGCTGGTGCTCAGCTGGCCCCCTCTGCCTGCAGC	26870
AAGGGAGGGGTCGCCCAGCCGAGCTGCTGGTGCTCAGCTGGCCCCTCTGCCTGCAGC	26871

Table 2. Additional miRNA sequences

GGGCGGGGCGGGGCGGGGCGCGGCGGGTGGGGGCGGGGCGCGCGGCTCCCGCGCAC	26872
GGAGTCTGGGGGGGCCCCTTACGCCATTCCTGGGCCCCCGGCCCCCGCCAGGCCTCGC	26873
ACCGCGGCCGTCGGGGCTCGCTCGCTCAGTACCTGGAGGCGAGTTCCTGACGCGACTGCGACTCAATC	26874
ACCTACAGTGGACTACCCGATTTTTCGCTTCTCTTCAGGGATGAGTCATGTGGT	26875
TAGCTTATCTCTGCAGCCTTGACAATGACCCTTGATCAAACTGTGAGAACAAC	26876
GGGACGCAGCACGGAGGGCGCGCTCAGCCCCGCCCTCCCGCCTGCGCCCCTCGG	26877
GGGACGCAGCACGGAGGGCGCGCTCAGCCCCGCCCTCCCGCCTGCGCCCCTCGG	26878
GCCTGGATCATTCTGATCAAGATGGCTACAGATACATAAGCATTGATCAGAAGTCCAGCCTAA	26879
TGAGTGAGTGGAAACTGGGAGCTGTGGATCCCCGGCAGGCTCCCTCCCTCACTCACTCAACA	26880
CTCAGGACTGGGTCATTCTGTTCCTCGCCAGTGGGAGAGCAGTGGGGCCTGGTCCCGAGC	26881
GCTAGTTCCAATTTATAGTGATGACTTTGTGTGCATGATTATCTTATACTTTGGACTGGTCTC	26882
GTGGGAAGTATGCAGCAAGTCAGGTTTATAGAGCTGCCCATACTTTCACCCCTCTCT	26883
TCCAGTGTTTCTTTAGTGCCTGGGCACAGAGTAGGTGCCAGGCACTAAAGAGACACTGGAGAAT	26884
TCCAGTGTTTCTTTAGTGCCTGGGCACAGAGTAGGTGCCAGGCACTAAAGAGACACTGGAGAAT	26885
TCTCCAGTGTCTCTTTAGTGCCTGGCACCTACTCTGTGCCCAGGCACTAAAGAAACACTGGAGAAT	26886
TGACAACACCCCAAGAATATTCTAAAATATTCTAAAAAGAATACTCTTGGGGTGTTGTCATA	26887
CAGGTTGGGGCGGCTGCTCGCTCGCCGCGCAGAACGCGGCCGGTCAGCTGCGCCCGGCCTGAA	26888
TGCCCCCAGACTGGGCTCAGTGTCCCTCTGTGGCACTGAGCCCCCTCTGTGGCCGA	26889
TGGATGGGATCGGAGCTCTAGAGTCTGGATCTCTAGAACACTCTGGCCCCCATC	26890
GCGTTGTCCTCGCGCCTTCGCCCTGGGTAGGTGAGGCCGAGAAGGCAACCGCGA	26891
GGCGCCCTGCGTCCCCTCCCCACGCGTGACGGTGCCCCGCGGGGAGGGGAAGGGCGCCCC	26892
TGGTAGGAGCTATCAGAACTTAGTGATCAAGTGAAGTCGTAGTTACTAATTTCTGATGCTCTTCCCCT	26893
CCTGTTCGTAAATGTTAGTGGATTATTACATTACATTGCACTAACGTTTATGAACAGTC	26894
CAGACAGAGAGGGCTAAGGTGCCTGAGTGTGGAGCCCAGCCCTCTTCTGTCTCC	26895
GCTGGGAAGGTGGTGCTGCTGAGTGCGGGTTATTCCATTAGCTCCCTCTTCCCATGTT	26896
TAACTTCTCATTATGCCTTCTGGAGTTATCCCATACGCTCTGGGCGTGGTGAGAAGTTCA	26897
TGTGCAGTACTCACCCCCTCCGTCTGCTCCCTCCAAGGTGTGGGGGTGGGCAGTGCTCAGG	26898
GAGACTTAGTTCTAGTCCTAGTACTGGTATTAACCAGCTCTGAGACTAGAGCAAAGCCCT	26899
TGCGAGCCCGAGGCGCTGCGAACGGTGCCTAACGTCAGACGTCTCGAGGCTCGCGT	26900
CAAAGGGTGAGAATACCAGCCATTCATATCATGAGCTGTGGCTGGTGTTCCCACCCTTTGAGC	26901
CAAAGGGTGAGAATACCAGCCATTCATATCATGAGCTGTGGCTGGTGTTCCCACCCTTTGAGC	26902

Table 2. Additional miRNA sequences

TTAATATGTACTGACAAAGCGTATCTGTGTAATAAATATGCTTTTTGTCAGTACATGTTAA	26903
GGATTTTTATTTCATTACAGTGTGAGCTGCCTGGAATACATGTGGTAATGAAATAAAAACCCTGC	26904
AACCCTTTCCTATAGTTGTTGCTATCCTTGTTGATTAAGCAACAAATACAGGAAAGAGTT	26905
TGGCTGGCTGCTCCGGGCACTGGCAGGAGCAAGCTCCGTGTCCAGAATGGCCAGCCAGA	26906
TGGCTGGCTGCTCCGGGCACTGGCAGGAGCAAGCTCCGTGTCCAGAATGGCCAGCCAGA	26907
TGACACAGAGAGAGACAGGAATTATGTTCACTTTCTGTCTCTCTCCGTGTCAGTGT	26908
TGACACAGAGAGAGACAGGAATTATGTTCACTTTCTGTCTCTCTCCGTGTCAGTGT	26909
AGGCCATTCCCCATCAGATGAGTCCTAGCAGTTTGGGCCCATCTGATGGGGAATGGCCTGC	26910
CATGGTCCATTTTGCTCTGCTTCTGAAAGCTGAGTACTTTGCAAGCAGAGCAAAACGGACCATGCA	26911
CATGGTCCATTTTGCTCTGCTTCTGAAAGCTGAGTACTTTGCAAGCAGAGCAAAACGGACCATGCA	26912
TCAGGTCTTCAGACTGTGGGGCTTACACGAGCAGCCCCCCCTGGTTTGCAGGCCTTTTGA	26913
AGGTGCCATTCTGAGGGCCAGGAGTTTGATTATGTGTCACTCTGGCTGCTATGGCCCCCTC	26914
CCCGCCTCCCGCTCATCCCCGCTCCTGAACGAACTTTCCGCTTCTAGGGAAGCTAGGGGTTGGGGTGAGGAGGGGGGTC	26915
AGGCCCAACATGATCCATATCCCCAGGGAAATGAATCATGTTGGGCCTGTA	26916
CTGGGTGGGGTGGGGGCAGGCTCTCGGCCCCCAATGCCTGCCCATCCCACCCCAGCATCC	26917
GCAGGAAGAGACGCAGCAGCTTGTCTTTGATTCTGCCAAGCTTCTGCATCTTTTCTTCCC	26918
AGGCTCCATGACCCCGGCAGGCTCTGGCCAAACCTTGCTGCGTTTCATGGAGCCCCT	26919
ATGGGGCATTGGAAGTGGTGGTCTCCCAACTAAAACCACCCCACTATCCTTGCCCCTCCC	26920
CCATATCTTAACAGCTAATCTAGTAAATTCTATCTTCAGAAGATTTGCTGTTAAGATATGGGA	26921
ACAGGACCTCTGTGCTTTCACCTCTGTGTCCTTACACCTGGAGGGATGCTCTGAGGTCCTGCT	26922
ACAGGACCTCTGTGCTTTCACCTCTGTGTCCTTACACCTGGAGGGATGCTCTGAGGTCCTGCT	26923
TCCCTGGACTTCTTATTTTGGCTCTTGAGCTGCCTGAGCAAAAAATAGGAAGTCCAAGGACT	26924
TCCCTGGACTTCTTATTTTGGCTCTTGAGCTGCCTGAGCAAAAAATAGGAAGTCCAAGGACT	26925
TGGGGTGCAGGTGGGTGGGGGCAGGTGGGACCCCAGCTGACCCTGCTGATCCTCTCCCACCCCAGA	26926
TGTGGTCTGAGGTCTTGGGCCATCAGTGATGTCACAACCAGATGGCCCAAGACCCCAGACCACA	26927
TATCCGCTGGCTTACTCTCTCTCGGTTGTCCTCTCCGCTGGGGAGGGAGTGAGGCGCGGGTGCC	26928
GGTAAATGAAGTAAAATACATGATTTAGATTTACATCATGTATTCTACTTCATTTATCCA	26929
AGGCTGAATTCCCAGTGAGTGCCTTTTGAGTTGCATTCGCTGGGAATTCAGCCTCT	26930
AAGAAGCTGGGCTCAGACTGCTGAAGACCAAGAAGCACAAAGAAGTCTTCAGCAGTCTCAGCCCAGCTTCCTTC	26931
CGGGACGGGAGCTGCGGCGCTGGCTACGAGAGTGACCCAGTCAGCGTTGGTTCCCGTCTTGGC	26932
TGGGGGCAGCATTCTCTGTAGATAGTTTCTAATTCCCCAGAGAAGGCTGCTCCTCACC	26933

Table 2. Additional miRNA sequences

CCAGGAATCCTGCTGTGGTGGAGAGGCATAGACTCATGAGTCCACCACAATCGGATACTTGCTT	26934
GAGGACCCTGCAGGAATGGACGTGTGACAAAAAAACAGCCTTTTCCTGCAGCACCCCACG	26935
GAGGACCCTGCAGGAATGGACGTGTGACAAAAAAACAGCCTTTTCCTGCAGCACCCCACG	26936
TGGAGGGGGAAACTTGGATTGGGGAGAGGGCTCTGCCCTCCCTTCCTCATTCCAGGGCTCTCCTCTACC	26937
TCTGGGAGGAAGGCAGACAGAGCTCATGGTCTGTGGCTGCTCTGCCCTCCTTCCCCTCCCCAACC	26938
TCAGGATTTAAAGGGGCACTCACTCTTAAAGTTGTGGAGTGCCTCCTTGAAATCTGTG	26939
AAGAGTTACTAGAACTATTCAACCTTCAGCTGTGTTGAATAGTTTTAGTAACTCTTGA	26940
AGGAATTACCTGGGAATGGGAAGTTGTTTTTGTTTTTTAGCTTTTCCCTTTTCTGGTAGTTCTCA	26941
AGGAATTACCTGGGAATGGGAAGTTGTTTTTGTTTTTTAGCTTTTCCCTTTTCTGGTAGTTCTCA	26942
ACAGACCTGGATTCAAAAACTACCTTTCTATATTGGGATTCTTGTTTCCAGGTCTGGTGA	26943
ACAGACCTGGATTCAAAAACTACCTTTCTATATTGGGATTCTTGTTTCCAGGTCTGGTGA	26944
AGAATTAATGGCTGGCTGGGAGGCAGAGCCAAGGGCCACTGGTTCCTCCCAGCTGGTCATTAATCCTCA	26945
AGAATTAATGGCTGGCTGGGAGGCAGAGCCAAGGGCCACTGGTTCCTCCCAGCTGGTCATTAATCCTCA	26946
TGCACACCTTTTCTCCCATACCTTGCCCTATGTATAGGTAGGGAGAAGAGGTGTGGCAAT	26947
TCTGGCTCCTTTCTAATCACTATGTCAGGATGCCACAGTGATTAGACAGGAGCCAGAC	26948
TTTCCTCTCTGCCCCATAGGGTGTAGCTCTAACTACCCTCTAGGGAAGAGAAGGTTGGG	26949
TTTCCTCTCTGCCCCATAGGGTGTAGCTCTAACTACCCTCTAGGGAAGAGAAGGTTGGG	26950
AGTGCAAAAGTAATCGCAGTTTTTTGCCATTAAAAGTAATAGCAAAAACTGTGATTACTTTTGCACCAA	26951
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CTCTGCTTCCAGTGTGACATCGACAGGAATATTGATGCCATATTGGAAGCAAGGCAT	26954
CTCTGCTTCCAGTGTGACATCGACAGGAATATTGATGCCATATTGGAAGCAAGGCAT	26955
CCAGGCTCAGGGAAACTGAGACAGTGGACAAGCATTGAGCCCCCTTTCCCTGAGCCTGCAT	26956
CCAGGCTCAGGGAAACTGAGACAGTGGACAAGCATTGAGCCCCCTTTCCCTGAGCCTGCAT	26957
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ACAGGAAGCAGTTTAGTGGCTGCCTGGGGCTGAGGCAACCACTAAACTGCTTCCTGTCT	26959
GAGTAGCCACTAGCCACATGTCAGTTCATGCTTTTAAGGCTATATGTGCCTAGTGGCTGCTGTC	26960
TCCCCCCAAAATTCATAATGTTGAAGTCCTCACCTTTAGCATATGAATTTTTGGGGGGAT	26961
TCGTTGTAAGTTGAAAATATAGTCAAGTTGAAAAATCTTGTTTTCAACTTACAATGGGT	26962
TGTGGAAAGAGTAGGGGTCCCATTTGCCATGGCATATGCTTGCGACATGTGGGTCCCCTACTCTTTCCACAGTGA	26963
GCTTGTTAGACATGCAGCATCTTAGACATACTGAATCAGATTCTGCAATTTAACAAGATC	26964

Table 2. Additional miRNA sequences

TGTCCAGGGCCTTACCTCTTCAGATTCTGACTCAATCTGGGGTGGAGCCCTGGAGTCT	26965
TGTCCAGGGCCTTACCTCTTCAGATTCTGACTCAATCTGGGGTGGAGCCCTGGAGTCT	26966
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TCACTCTGTCTTTCCTGCCTCATGGGGATAAGTGATGGGCAGAAGAGCCAGGGCGAGT	26968
TGGCTTGCCGGGGTAGGGGCTCCGCTAGGGGCTGGAGTCCGTCCCTTCGCCAGCGCAGA	26969
AGAAAGGAACACTGAGCTGAGTGCATGCCCTCAGCTCAGTGTTCCTTTTTCAGT	26970
AGAAAGGAACACTGAGCTGAGTGCATGCCCTCAGCTCAGTGTTCCTTTTTCAGT	26971
CGCCGCCCAGGCAAGGCCGCCCTGCCTTGGGCGCAGCGCTGCCATGGCTGGGGGCCGT	26972
TGGATTCCTCTGCCTGGGAGGGATGTACATTTCACCCAAGCCCAGGGGAGGGACCAGC	26973
GTGTGGGGAGCACGTGAGGCTGGGTCAGCTATGAGCTCAGCCAAGTGGTCCCCACCAA	26974
GTGTGGGGAGCACGTGAGGCTGGGTCAGCTATGAGCTCAGCCAAGTGGTCCCCACCAA	26975
AAGGCCTTTCAAAATATGTTAAAAGATAAAATTTATTATGTCTCTTAACATATTTTGAAAGGCCTGA	26976
CAGGGGGCTCCATTTGCAACTTTGGATGTGGCTTTGGCCTCTTTGTCCAAAGTGACCTTGGGGCCCCCAGA	26977
AACAGGCTGGCGCTCTAGGACGCTCTGTGTTCACTGATGATGAAGAAACCTAGAACTCCAAGCCTGTTT	26978
ATAGTGACCTTTCTGGACTTGTAGGTGTGAACGTATTTAAAGCCCAGATTTGTGACTATGC	26979
GCTGGGGTCTAGCAGGCCTGAGCCTTTTCCAGGGTGGCCAGCCTGCTGGAGCTTACAGTGG	26980
CAGCCGTATCAGTGAAGAGTGAAGCACTGCACTCTTTAAGGATAGGGCTGAA	26981
CAGCCGTATCAGTGAAGAGTGAAGCACTGCACTCTTTAAGGATAGGGCTGAA	26982
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TCCCAGGCACTAGCATGACCAGCTCCGAAAAAAGAGCCGGAGCTGGTCCAATGCCTGGGAGA	26985
TCCCAGGCACTAGCATGACCAGCTCCGAAAAAAGAGCCGGAGCTGGTCCAATGCCTGGGAGA	26986
CAGGAGGGAGGAGTTCCTGAGGGCTCCCTTGCTCCCCTGCCCTCAGGCAGCTGTTCCCTCCTTGT	26987
ACCCTCAGTCCGTATTGGTCTCTATGGCATCCATAGAGGCCATTCGGCTCTGAGGTCCT	26988
ACCCTCAGTCCGTATTGGTCTCTATGGCATCCATAGAGGCCATTCGGCTCTGAGGTCCT	26989
GTGGGGGTGTGGGTGAGGGCTGCTGCTGCAGGTCTGAGCCATACCCCCTCCT	26990
TAGTCCAGGCAGACTCTCCTGAAGTGGAGCCTGACATTCAGGGGGTGGGGCTGGGCTGGC	26991
ACTGGAGCTGGCCTCTGTTTTATTTATTTATTTAATAAAAACAGGCTCTCGCTCTGTAGC	26992
CCTGGCCTGTTTTAACCCTGTGCATTCTGGCCAATGAGAAACCCCAGGGTTTTGCAGACCGGGTCT	26993
GGGATGGGAAGAGACCCGGGACACTGCCCCATTGTCCCTTCTCTTCCCACCACCCCC	26994

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Table 2. Additional miRNA sequences

GGTGTCGGGGTGGGAGTTGCGGGGATTTTTTCAAGAAGCAGCAGCTACCCCGGCGTCGG	26995
TAACTCTTAGAATCCCCAAAGCATTCTGTGAAGTGGTTTGGGGATTCTAAGAGGAAGA	26996
TAACTCTTAGAATCCCCAAAGCATTCTGTGAAGTGGTTTGGGGATTCTAAGAGGAAGA	26997
CTGGGAGGAAAGCACAAGGTTTTTTCCTTCCCCCTTGTTAAAGCCTCTGTGTTTTTGCCCTAGT	26998
AGACAGTAACAGCCCCGGGACAGCCTTTCCCAAAATAAAGGCCCCTGGGCTGTTACTGTTCCC	26999
AGACAGTAACAGCCCCGGGACAGCCTTTCCCAAAATAAAGGCCCCTGGGCTGTTACTGTTCCC	27000
AGAGGGATCTGGGCTTGGAATCCTGGAGGGCTCCAGGCTCATGGTCCCTCACT	27001
AAGTGCCCTGTCCCTGTGTGCTGACAGGTCCCTGTGTGCAGCATGGTCGGGGCACTTCT	27002
CCCGCCTCCTCGCCCCCCCCGGCCCGGGGCGCTGGTGCTGGGGGGGCCGGCGGCGGCGGC	27003
GTGCAAAAGTTGTTGCGGTTTTTGCCATTACTTTTAGTAGCAAAAACTGCAATGACTTTCGCACCA	27004
TGCTGGGCTGCACTCTCAGAGTTTTTTATTCAGTAAATCTGGAGTGGAGCTCAGGAAC	27005
AGCACCTGCCGAGCACTGAGAACAAGGAAGCCCTCAGTGCACGTTAGCTGTCATT	27006
AGCACCTGCCGAGCACTGAGAACAAGGAAGCCCTCAGTGCACGTTAGCTGTCATT	27007
GAAGGGCTGGTGCTCTAGGCGCCTCCGTGGCCCCCGTTGCCTGGGCACCTACTTCCTGCCT	27008
GCGGCCTGAGCCCTGAAGCGCGGCCTCCCTTTTCTGACCGCTTCGCGCTTGCGGGGCCAGGCACCCC	27009
CTGGACCACTTAGCTCCCTGGCTTCAGCCCTTTTTCCAGGGAGGTGAATGGTTCTGTCT	27010
CGCGGTCGCGCTGAGTCACAGCCCGCTCAGAGCTCAGCGTGACTCAGGGCTGGCCGCCTC	27011
GGTCTGGCCGGAGAGTCCGTGCGTAAAGCAGCTACAGCTCTGACCTCTCTGACCTGCAGC	27012
AGAGTCCCCATGGGGTCCCTCCTGCCTGTGTCTCCACAAGAGGGACCCCATGGGAACTCTAC	27013
ACACAGCTCTGATGATCTCTATGTAGATGCCTATATAAATAGCTATATAGATATCATCAGAGGCTGTGTAT	27014
CAAAAGTAATTGTGGTTTTTGTTACTGAAAGTAATGGCAAAAGCCGCAATTACTTTAGCA	27015
AGCCCGGGAGGGCTGTCTGGGATTTCTAGAGGGTCCCAGAACGGGTTCTTCCCAGGCCGA	27016
GGGGTGGCGGAGGTTTCTGAGAAGTGACATAGGCTGGGATGACTCAGAACCGACCGCCTCCCAGCT	27017
GGTCAGAAGTTTGGACATAGTGTGGCTGGGTCCTCTGTGCAGGGTCTTACCCAGCCACACTACATCCAAACTTCTGACC	27018
CATCTCCCGCCTCCTTTTCCCGCCGACTGAGAGGGCGGGGAAAGGGCCGGGAAGGGC	27019
TGGCTGTGCCATCCCAGGGACCATGGGGACTGGCCAGCTGGCCCTGCACCTGACACAGCCTCCAGC	27020
TGGCTGTGCCATCCCAGGGACCATGGGGACTGGCCAGCTGGCCCTGCACCTGACACAGCCTCCAGC	27021
TGGGGAGAGGAGGGGACCAGGGCTGTGAATTACCTTCCCTTCCCCACCCTCTCCTGCAG	27022
GTGTGTGCACCTGTGTCTGTCTGTATTCGTGTTGTATAGACAGACGCAGGTACACACAGA	27023
GTGTGTGCACCTGTGTCTGTCTGTATTCGTGTTGTATAGACAGACGCAGGTACACACAGA	27024

Table 2. Additional miRNA sequences

TCATGTCTGAACCAATGAGAGCCTGAGAAATGAGCTGCTCTCATTGGTCAGGCCTGAGTC	27025
TCATGTCTGAACCAATGAGAGCCTGAGAAATGAGCTGCTCTCATTGGTCAGGCCTGAGTC	27026
GCACACATACAAACAAACACACACAAAAAACGGGCATGTGTGTTTGTGTATGTGTATGT	27027
GCAGGCCTCACTTGGCACCAGTGCTGTGTGGCCTCCCTGGTCTAAGGAGAGGCTTGG	27028
TGAGGAGGATCTGAAGGATTGGACTCAGGTTCGAAACCTCCACTTCCTCCTCATC	27029
TGAGGAGGATCTGAAGGATTGGACTCAGGTTCGAAACCTCCACTTCCTCCTCATC	27030
TTAGTGGCTCCCTCTGCCTGCAGAATGGAAGACCACGTGCAGGTGAGGGTGGAGCCACCGA	27031
GCGCCTGCCCCGCTGGGTCCTGCCCCGGCGCCCGGTGGCAGCGGGCGGGGGGCAGCGTCCCGGGCGGGGACTCGCGG	27032
GTCCCCAGACTCTCCCGGGCTGTGGCGAATAACTGTAAAGCGGGGGAGAGGTCTGGGGAAAG	27033
GCCGCGGCGAGGGCGGGGGAAGAAAAACACCCTGTTTCCTCTCCGGCCCCCACCGCGGAT	27034
GATTCCAAGGCCAGAGGAAAGGCCCACCCTTTTCTCTGGCCTTGGAATCCT	27035
TAGGCCATTTTGGAAGCTGTTTTATTAATAATTGATTTTCTTACAACTTACAACATGGCCTTTT	27036
TAGGCCATTTTGGAAGCTGTTTTATTAATAATTGATTTTCTTACAACTTACAACATGGCCTTTT	27037
TTGAGCCGTGGCCGCCTGCCCGGGGCGCGGGGAGGTCGGCTGCGGCTCCGCT	27038
TTCGGGTTTAGAGGTTTCTGTTGCTCCCAGGGCAGCAACAGAGACCTCTAAACCCAAA	27039
TTCGGGTTTAGAGGTTTCTGTTGCTCCCAGGGCAGCAACAGAGACCTCTAAACCCAAA	27040
CTGGAATTCTGTATCTGAGCAGCTCTCTCCTGTCTGCTCAGATATAGAACTCCAGAG	27041
TTATCCTGTAAATCAGCCTTATCAGTTTGTTACTCATGGTCAAACTGATAAGGCTGATTTACAGGAGAGA	27042
AGGTGACAATGTCAGGTGCTCAGGTGCTCAGGAGCTCCTGACATTGTCACCTGA	27043
TGGGGCCTGGCCCCTGAGATGTGTAGGTTATACATCATACAACTCAGGGGCCAGGCACCATT	27044
TTGTGTCCAGTTGTTGGGGGAGATGTGTGTAAGCTTGGCTCCCTCAGCCACTGCTGACACCAG	27045
ATTCAGCTACGATCACCAGGGCATATCATAGCTGAAAGGCCCTGGTGATGGTAGCTGAAT	27046
ACGAACTCATAAGATAATACCTGCGATGAGGCATTCAGGTGTTACCTTATGGGTTTGTGA	27047
TCCTTTCAGATGGTTCTCTAGAGAACCATCTCTAGAGAACCATCTGAAAGACT	27048
TCCTTTCAGATGGTTCTCTAGAGAACCATCTCTAGAGAACCATCTGAAAGACT	27049
TACAACAGATGAGACATACCTAAATCATTGCTAGCTTAGGTGTGTCTGATCTGTTGT	27050
GTCTCTGCATTTGGGGTATGTGTGGGTTCTAAACACATACCCCCCCAATGCAGAGACA	27051
AGAAGTAATTGCGGTCTTTGCCATTGCTTTTAAAAGGCAAAAAACCACAATTACTTTTG	27052
TGGCCCAAGAATAGCTGGCCAGTGGCCTTGCTTTTGGCTGGCCACTCTTGGGAAAGCTGG	27053
TTTGATTGGCCAGTGGACAGCGCCGTGGCATGACGCGCTGGGGCGCTGGCCAATCGG	27054
TTGGGCATATGTGTATATATGTGTATGTGTATATATGTGTATACACATATGCCTAACA	27055

Table 2. Additional miRNA sequences

ATGGACACATAAGAGGTACTAATGAAAGGTTATTAGAATCTCTTATGGGTCCATAGAAC	27056
TCAGGATCAGGATCTGCAGAGTTATTAGTATAGTGCTCTGCAGATCCTGGTCCTAGT	27057
GCCTCAGAAATATAAAACTAGCTGGTTGATCCCGGCTAGTTTTATATTTTTGAGCCC	27058
TGGTCCAACGACAGGAGTAGGCTTGTATTTAAAAGCGGCCCCTCCTCTCCTGTGGCCACAGA	27059
TGGTCCAACGACAGGAGTAGGCTTGTATTTAAAAGCGGCCCCTCCTCTCCTGTGGCCACAGA	27060
ATCTCCCCAGTTATGACAACCAAAAAATGCCTCTAATTTTTGGTTGTCACAACTGGGGGAATGG	27061
TGTGGGCGACAAGGTTTGCTGCTGAGAACAGTTTGAAAACCAGCAAAGCAGGTGGCCCAGGGCCC	27062
GGCTCCACCTTCCTAGGTTGGCTTTGCTCTCATGCCAGCTTTGCAGGTGGTGACTAGA	27063
GGCTCCACCTTCCTAGGTTGGCTTTGCTCTCATGCCAGCTTTGCAGGTGGTGACTAGA	27064
GCTGTGTTAATTCTCTTCTGTATAAACAAGAGAGTACAGAAGACAGTTAACATAACAA	27065
TCCCCACCTGGAATTTCTATGATATCTATATCTATAAACCTATATAGATTTATAGATATCATAGAAATTCCAGGTAGGAGTA	27066
TTGGGCAGGTCCCAGGCATTCCTCATCTGTTAGAGGCCAGCAATGCCCCAGGTCTCGCCCTAGA	27067
TCCATAGAGTGGACTGTCTGTGCTGTGGACTCCATAAAGCAGACTGTCTGTGCTGTGGACT	27068
CCGGCTCCCGAGGACACCGGCTGCGTGCACTTGGCCGCGTGTTCCTGGGGAGCCGAAG	27069
CCTCTCCCCGCTTTTAACCCTACTGCCATGATGCAGTAGGGTTAAGAGTGGGGAGAAGAT	27070
CTTCTCCCCACTCTTAACCCTACTGCATCATGGCAGTAGGGTTAAAAGCGGGGAGAGGGT	27071
GTGGGCAGAGCAGAGCCTGCATTGGCCATCTCCATCTGGCCCAGGCCAACAGGCCTTGCTCTGCTCACA	27072
CACAGGCAGGAGACCCCACAGCCAGCTATGCCCTGAGCCTGTGGTGGCTGCTGCTGGTGCC	27073
AGTTCCAAAATGTCAATTTGATTTTAAAGGATCAAATTTGACATTTGGGAACTGA	27074
TCAGGGATGCTACTTAACTTCTCTATATTTGTTCCTGTGAGAAGTTAAGTAGGATCCCTGAT	27075
TGAAAGTAATTGCGGTTTTGCCATTATTTTTGAAGGCAAAAATCACAATTATTTTCGC	27076
TGAAAGTAATTGCGGTTTTGCCATTATTTTTGAAGGCAAAAATCACAATTATTTTCGC	27077
AAACAAATGTATCTATGTGTATGTGTATCTGCTATACTATGTAGATATATTTGTTTTT	27078
TGCCCTGAGACTTTTGCTCTAATAATTTATTCTAATAATAATTTAGATCAAAAGCCTCAGGGCAGA	27079
AGAAGGAGCTGGGCTGATCTGAGCAGGTAGGAGCTCTGCATCAGGCCACTCCTTCCTCC	27080
GAATTCTGGAAAGTGTGAGTTTGGAGTTGCCCAAACTGACACTTCTCAGAATTCTT	27081
GCAAAAGTAATGGCGGTTTTGCCATTAAAAGCAATGGCAAAACCGCCATTACTTTTGCAA	27082
CGAGTTATAATTCCAAAGTCACGATGCTGGTCACTTTGGCATTATAACTCAG	27083
GAAGAGTAATTGTGGTTTTGCCGTTAAAGTAATGCGAAAACCGCAATTACTTCTGC	27084
AGCACTGCTTTTCCCCATGTGGCGCGTGCACACGCTCACACAGAGGGACAGACAGTGCGGC	27085

Table 2. Additional miRNA sequences

CGTCAGGCTGGAGGGAGCTGGTCCCTGCGCTCCCTGCGCCCTGGGGATGCCCCTGCCGCCCTGACGCC	27086
CGTCAGGCTGGAGGGAGCTGGTCCCTGCGCTCCCTGCGCCCTGGGGATGCCCCTGCCGCCCTGACGCC	27087
TTCGGTGCAGCCGTCGGAACCTTATTATTTATGAAAGGGGACAGCTCACAGGATT	27088
TCTGGTGTATAGCGTTGCTCAAGTCCTCTATTTCTTTGAACAACAGTATACACCAAATA	27089
GAGCTAGGGATATCTCCTGAGAATGTCTCCTCCCTATTCTCAGGAAAAATCCCTAGCTTGGT	27090
AGATGGGGAGAACTCAATCCTAAATGTATTTAGGAATTTAAGATTGAGTTCTCCCCATCTCC	27091
AGATGGGGAGAACTCAATCCTAAATGTATTTAGGAATTTAAGATTGAGTTCTCCCCATCTCC	27092
AAACTGCATGCCTGCACACCAGGCATGCAGTGATGTGCAGGCATGCAGTTTTATGTT	27093
CCCTGGTGACCTGTGACAAAGGAGTGTTCAGATTACATCCCTCCTCTGTCCCAGGCCCAGACT	27094
AAGTGACTGTGGTTTTTTGCCATTTTTTTTTAAAGCTATGGCAAAAACTGCAATTACTTTT	27095
CTAAAACTGGATCAATTATAGGAGTGAAAATAAAGGTCCATCTCCTGCCTATTTATTACTTTGCTTTGGTAATAAATCTATTTTTAAAAGAACC	27096
GAAACTTCTGGCCCCATAGGATGTAAATGGGCTTTCAAATCCTACGTGACCAGAAGTTTCAG	27097
TGTGCCCTGAGACTGCTAAGTATTTGTATTCCCAATGCCTAGCAGTCTCAGGACACACA	27098
TGTGCCCTGAGACTGCTAAGTATTTGTATTCCCAATGCCTAGCAGTCTCAGGACACACA	27099
AAAGGGGGTGAGCTGGGGAGAGGCGAGAGGCTCTCCTTCCCCGCTTCCCCCCTAGGG	27100
GCCTTCTTCACATCATTCATGCCCTCTTTGAGCTGAGGCATGAATGATGTAAATGAGGCAG	27101
CTGGCACAAAAAGTAGTTGCGGGGGGTCTGCCATACCGCAACTATTTTTGCACCAAACTA	27102
TCTGCCATTGACCCATTATTGATTTCTTGGGAGAGATCAATAATGGGCCAATGGCAGAGAGA	27103
GTTGTCAGTCAGGGGTCCCTGGCTTGCAAAGTGACATTGCAGGGACCCCTGGCTGGCAATGC	27104
ATTGTTCAAGTCCCACTTATGAGTGCACATGTTCTCACTTCTAAATGGGAGTTGAGCAATGA	27105
CAAAGGTACTTGCAGTTTTTGCTATCGAAGGTAATGGCAAAAAACCGCAATTACCTTTGCACCA	27106
CCACGTCCCCGCCCCGCCGCTGACCTGCCGCGGGGGTAGGGAGCGGGGCGGGGCGGGAGCG	27107
CCCCCTGGCCCCGTCGCCCCGCCCTCGCCGGGCTGGGCTGCGGGGTCAGGGGCCG	27108
TGAACTTGACTTACAGGGTGAAAATGGCTTTTCTCTCCCTCACTCTGTAAGCCAAGTTCATG	27109
TAGCAAGGGCTCCGGAAGGTCATCCTTGGGCCGGATGACCTTCCAGAGTCCTTGCC	27110
GGCCTTTGCCCGTCATTCTGGGCCGAGCTTGGCCCAGAACGACGGGCAGAGGCGCGA	27111
TTCCCCAAACCTTGTCTGGACATGGACTTGCATGGTCCATGTCTAGACAAGGCTGGGGAAA	27112
GGTGCTCTGAGCCCTTTTGTATCCGCCCTCTGCTGCCAGCTTCAAAAGGGCTCAGAGCACAGC	27113
GAGGGTCTGACTGTCACTTGGAGCTAAACCAGTCTCCAAGTGGCCATCAGACCCTCT	27114

Table 2. Additional miRNA sequences

ACCAGCTCTCATCCCCAGCGCTGGTACCACACTTAGGCTGGGGAGGTGAACTGGTGAAGGG	27115
ACCAGCTCTCATCCCCAGCGCTGGTACCACACTTAGGCTGGGGAGGTGAACTGGTGAAGGG	27116
GTGGGGTGAGATGCAGAGGCCTGGCCTGTTAACGGGTCCACCTGTTTCTCCACCCACA	27117
TGAGGGAACAGAGGACTGAAGAAGTCACAGGAGTTGGCCATGACTTAAGCTATGACTTCTTCAGGCCTCTGTTCCCTTGTC	27118
AAGGTAATTGCGGGTTTTTTCCATTGAAAGTAATGGCAAAAAACCTTAATTACCTTTG	27119
GGAAATGTTCTAGCCAAAAAAAGTTTGCCAAGAACCATTGTGTCTTTTTTTTTTGCTGGAACATTTCTGG	27120
TGGCTCCCTTCTCTCCGTCTGCCTCCTGGCCGCGGGGCCCGGAGAGCTGGGAGCCAGAGG	27121
TGGCTCCCTTCTCTCCGTCTGCCTCCTGGCCGCGGGGCCCGGAGAGCTGGGAGCCAGAGG	27122
AAAAGTAATTGCGGTTTTTGCTATTAGTTTCAATGGTAAAAAACCGTGACTACTTCTG	27123
ATTGAGCAAGTGAAGTATGTGGTAGCAGTGAAGTATCTACCACATACTTCACTTGCTCAGTGC	27124
ATTGAGCAAGTGAAGTATGTGGTAGCAGTGAAGTATCTACCACATACTTCACTTGCTCAGTGC	27125
GCTCCATTATAATCTTATAGGACCACATATACAGCGGTGGTGCTATAGGATTATAATGAAGCTGA	27126
GGCGCAGAGTCCGCCCGCGGCCAGGTGAGGCTGGGCTGAGCGGGCTCGGGCGCCGC	27127
TGGGACAAACCTCCCCCAGCATGGGAACTATGGGAACCATGCTGGAGGAGGTTTGTCCCACA	27128
TGGGACAAACCTCCCCCAGCATGGGAACTATGGGAACCATGCTGGAGGAGGTTTGTCCCACA	27129
GTGTGACCCTCGCCTGGGCTTGTTACAGAGGCAGGTTCCACAACCCAGCCGT	27130
TGAGCCACCACTCCCAGTCCTATAAAATTTTAAAAAAAATGTCTGGGTGTGGTGGCGCATG	27131
ATCGCCTCGTTTCGGCCACTGCCAAGGCCGGGCGGGCTCGAGACCCGGCGAGGCGGTGG	27132
GACCGTAAGGATACAATGATTGAGATGCAATGTAAGTGCTGCAATCATTTATGCTTGCGGAGGAC	27133
GACAGACAGATCTTTTCCCAACCCTTTATTTTGGGGGTTGGGAAAAGATCTGTCATGCAA	27134
TGGATTGTGGGTTGGCCACATGGGCATATTGAGCTTGCGTGACTGACCACACAATCCGA	27135
TGGATTGTGGGTTGGCCACATGGGCATATTGAGCTTGCGTGACTGACCACACAATCCGA	27136
ACCAACTTCTCCCTTTCCCAGAAGGGTCACTTCTTTTTCACTTGCTGGGAAAGGGAGAAGTTCATGG	27137
ACCAACTTCTCCCTTTCCCAGAAGGGTCACTTCTTTTTCACTTGCTGGGAAAGGGAGAAGTTCATGG	27138
TCTGGTAATGCGGGTGGATGAAGTTCACCCTCATCCACCCACATTACCAAGGA	27139
GCCATCTCCTCTGTTCTTTGCTGTACACGTGGCTGGCAAAGAGAAGCGAAGATGGAGCC	27140
GCCATCTCCTCTGTTCTTTGCTGTACACGTGGCTGGCAAAGAGAAGCGAAGATGGAGCC	27141
CTGTCTGTTGTGGGTGAGCTGTTGCAGCATAGACTTCACATTGGCTAACCCAAAACAGAGACT	27142
TGCTGAATTCTGTTGATATTATTTCTGCTGTTTTATTATTTTAATATCTGCTGAATTCTGCTGA	27143
TGCTGAATTCTGTTGATATTATTTCTGCTGTTTTATTATTTTAATATCTGCTGAATTCTGCTGA	27144
CGTAACATTCCACAGGCTGCTAGCAGCTATAGATGGCTGCCTGTGGCATGTTACAGA	27145

Table 2. Additional miRNA sequences

GGGCTGCGGCCGCCTCCCCGCCCTGTTGCACCGCGAGGAGGCCGCCGCCGCAGCCACT	27146
CCCAGCCTACTGGAGGATAAGAGGATATAAAGGTCTCTTATCCTCCAGTAGACTAGGGAGC	27147
CCCAGCCTACTGGAGGATAAGAGGATATAAAGGTCTCTTATCCTCCAGTAGACTAGGGAGC	27148
GCTGCCACCTTGGCGGAACCGCAGGCCACAGCGTGGTTCCGTGTGGGCCGGCAGTGGC	27149
TGGAGCACACCAGTGAAAGGTTAAGTTCACCCTTTCACTGATGTGCTCCACT	27150
AAAAGTAGTTGTGGTTTTTTGCCATTACTTTCAAAGGCATAAACCACAATTACTTTTGC	27151
GATGCTCTCTACATAAACCTAACCTAAAATTATTTTTAGGTTTATGTAGAGAGCGTCTA	27152
TCTGACTTCCTCCTTTTCAGGTCTCTGACATCTTCTAGAGATGGAGGTGGAAGTCAGAGA	27153
AGTAATTGCGGTTTTTTGACATTGAAATTGAAAGTAATGGCCAAAACAGCAGTTACTTT	27154
TGTGTTGCTCTGTGGTTCTCGGCATGTGGTCCTGATGCCAAGAACCACAGAGCAACACAGA	27155
TGCCCCCACCCACACTGGAGGAAAAGTCTTTAGGAGACTCCAGTTGGGGTGGAGGTTCAGA	27156
ACAGGATGCCAGCACCCAAGGGCACTGACTTCCATCCAGCCCAGGTGTCTTCCATTCTGTCC	27157
ACAGGATGCCAGCACCCAAGGGCACTGACTTCCATCCAGCCCAGGTGTCTTCCATTCTGTCC	27158
TGGAGAAAGGACTTCAGGGAGTCCTATATTAAGTATTTGGAGTCCCTGAGGTCCTTTCTCCATT	27159
TGGGGAGGCCAGGGAAGGGGCTGTGAGCAACGAGGTTCCAGCATCTTCCCAAGCCTCCTCCAT	27160
AGCCTGCACTGGCTTGGTGGCTTGGTGACCCGCCAGCAGGGTGGTGCTGTCTGT	27161
TCTGTCAGCCTCATTGGTAGCAACTACCTCATGGGTGCTACCAGTGAGGCTGACAGATG	27162
ACAGTAGGCACAGAATCCCACTGCCATTTTTTATAATAGTGGGATTCTGTGCCTATTGTAG	27163
AGATTGCTCTTTGACTAATTAGGAATGTGACCTTCTTAATTAGCCAAGGAACAATCT	27164
TAGCTGTGCACCCTCTGGCAAGTTACATTACCTCTTGGTGCCTCAGGTTCCTCAGCTAG	27165
GTCTCTCCTCTCTAGCCCCCCTGTATTAGGTGTTCATGAGGCTCGCCAGGGGAGTTGA	27166
CTGCGGCCAGCGCCCGGGCCTGCGGGCCCGGGCGGCTGTGTTGCGCAGT	27167
TGGCTCAAAAGTAACTGCGGTTTTTGCTGTTACTTTCAATGGCAAAAAACCTCAATTACTTTTGTGCCTATC	27168

Table 3. Novel miRNA/isomiR sequences

Novel isomiRs found from known miRBase20 loci (coordinates and sequences are based on the GRCh37 assembly)

Isomer	Isomer Coordinate	Isomer GRCh37 sequence	SEQ ID NO:	Name of known miRBase20 sequence with which it co-localizes
NovelMiR_KnownLoci_ID0000001	10_-_100154987_100155009	TCTAGCCACAGATGCAGTGATTG	27169	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000002	10_-_100154987_100155010	CTCTAGCCACAGATGCAGTGATTG	27170	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000003	10_-_100154987_100155011	ACTCTAGCCACAGATGCAGTGATTG	27171	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000004	10_-_100154988_100155009	TCTAGCCACAGATGCAGTGATT	27172	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000005	10_-_100154988_100155010	CTCTAGCCACAGATGCAGTGATT	27173	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000006	10_-_100154989_100155009	TCTAGCCACAGATGCAGTGAT	27174	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000007	10_-_100154990_100155009	TCTAGCCACAGATGCAGTGA	27175	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000008	10_-_100154990_100155010	CTCTAGCCACAGATGCAGTGA	27176	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000009	10_-_100154991_100155010	CTCTAGCCACAGATGCAGTG	27177	hsa-miR-1287-3p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000010	10_-_100155025_100155049	TGCTGGATCAGTGGTTCGAGTCTGA	27178	hsa-miR-1287-5p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000011	10_-_100155026_100155049	TGCTGGATCAGTGGTTCGAGTCTG	27179	hsa-miR-1287-5p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000012	10_-_100155027_100155049	TGCTGGATCAGTGGTTCGAGTCT	27180	hsa-miR-1287-5p;Derives_from=MI0006349

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000013	10_-_100155029_100155049	TGCTGGATCAGTGGTTCGAGT	27181	hsa-miR-1287-5p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000014	10_-_100155030_100155049	TGCTGGATCAGTGGTTCGAG	27182	hsa-miR-1287-5p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000015	10_-_100155031_100155049	TGCTGGATCAGTGGTTCGA	27183	hsa-miR-1287-5p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000016	10_-_100155033_100155049	TGCTGGATCAGTGGTTC	27184	hsa-miR-1287-5p;Derives_from=MI0006349
NovelMiR_KnownLoci_ID0000017	10_-_100191047_100191070	TCTCCCTTCCTGCCCTGGCTAGGC	27185	hsa-miR-4685-3p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000018	10_-_100191048_100191070	TCTCCCTTCCTGCCCTGGCTAGG	27186	hsa-miR-4685-3p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000019	10_-_100191049_100191071	CTCTCCCTTCCTGCCCTGGCTAG	27187	hsa-miR-4685-3p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000020	10_-_100191050_100191070	TCTCCCTTCCTGCCCTGGCTA	27188	hsa-miR-4685-3p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000021	10_-_100191051_100191070	TCTCCCTTCCTGCCCTGGCT	27189	hsa-miR-4685-3p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000022	10_-_100191083_100191105	TGGAGTGGGGCAAGGTTGTTGGT	27190	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000023	10_-_100191088_100191114	CCCAGGGCTTGGAGTGGGGCAAGGTTG	27191	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000024	10_-_100191090_100191112	CAGGGCTTGGAGTGGGGCAAGGT	27192	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000025	10_-_100191090_100191117	TAGCCCAGGGCTTGGAGTGGGGCAAGGT	27193	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000026	10_-_100191091_100191113	CCAGGGCTTGGAGTGGGGCAAGG	27194	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000027	10_-_100191091_100191114	CCCAGGGCTTGGAGTGGGGCAAGG	27195	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000028	10_-_100191091_100191115	GCCCAGGGCTTGGAGTGGGGCAAGG	27196	hsa-miR-4685-5p;Derives_from=MI0017317

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000029	10_-_100191091_100191117	TAGCCCAGGGCTTGGAGTGGGGCAAGG	27197	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000030	10_-_100191092_100191114	CCCAGGGCTTGGAGTGGGGCAAG	27198	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000031	10_-_100191094_100191114	CCCAGGGCTTGGAGTGGGGCA	27199	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000032	10_-_100191095_100191114	CCCAGGGCTTGGAGTGGGGC	27200	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000033	10_-_100191096_100191117	TAGCCCAGGGCTTGGAGTGGGG	27201	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000034	10_-_100191098_100191117	TAGCCCAGGGCTTGGAGTGG	27202	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000035	10_-_100191098_100191119	ACTAGCCCAGGGCTTGGAGTGG	27203	hsa-miR-4685-5p;Derives_from=MI0017317
NovelMiR_KnownLoci_ID0000036	10_-_100684257_100684279	AAAGTCCTTCCTATTTTTCCCTC	27204	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000037	10_-_100684257_100684280	CAAAGTCCTTCCTATTTTTCCCTC	27205	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000038	10_-_100684258_100684280	CAAAGTCCTTCCTATTTTTCCCT	27206	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000039	10_-_100684260_100684280	CAAAGTCCTTCCTATTTTTCC	27207	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000040	10_-_100684260_100684281	GCAAAGTCCTTCCTATTTTTCC	27208	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000041	10_-_100684261_100684280	CAAAGTCCTTCCTATTTTTC	27209	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000042	10_-_100684261_100684281	GCAAAGTCCTTCCTATTTTTC	27210	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000043	10_-_100684262_100684283	ATGCAAAGTCCTTCCTATTTTT	27211	hsa-miR-6507-3p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000044	10_-_100684294_100684317	GAATAGGAGGGACTTTGTATTGTG	27212	hsa-miR-6507-5p;Derives_from=MI0022219

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000045	10_-_100684294_100684318	AGAATAGGAGGGACTTTGTATTGTG	27213	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000046	10_-_100684295_100684317	GAATAGGAGGGACTTTGTATTGT	27214	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000047	10_-_100684296_100684317	GAATAGGAGGGACTTTGTATTG	27215	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000048	10_-_100684296_100684318	AGAATAGGAGGGACTTTGTATTG	27216	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000049	10_-_100684297_100684317	GAATAGGAGGGACTTTGTATT	27217	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000050	10_-_100684297_100684318	AGAATAGGAGGGACTTTGTATT	27218	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000051	10_-_100684297_100684320	GAAGAATAGGAGGGACTTTGTATT	27219	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000052	10_-_100684298_100684317	GAATAGGAGGGACTTTGTAT	27220	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000053	10_-_100684298_100684318	AGAATAGGAGGGACTTTGTAT	27221	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000054	10_-_100684298_100684319	AAGAATAGGAGGGACTTTGTAT	27222	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000055	10_-_100684298_100684320	GAAGAATAGGAGGGACTTTGTAT	27223	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000056	10_-_100684299_100684318	AGAATAGGAGGGACTTTGTA	27224	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000057	10_-_100684299_100684319	AAGAATAGGAGGGACTTTGTA	27225	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000058	10_-_100684300_100684319	AAGAATAGGAGGGACTTTGT	27226	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000059	10_-_100684301_100684320	GAAGAATAGGAGGGACTTTG	27227	hsa-miR-6507-5p;Derives_from=MI0022219
NovelMiR_KnownLoci_ID0000060	10_-_100684302_100684319	AAGAATAGGAGGGACTTT	27228	hsa-miR-6507-5p;Derives_from=MI0022219

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000061	10_+_102734760_102734781	GGTGGTGTTGGGACAGCTCCGT	27229	hsa-miR-608;Derives_from=MI0003621
NovelMiR_KnownLoci_ID0000062	10_+_102734764_102734780	GTGTTGGGACAGCTCCG	27230	hsa-miR-608;Derives_from=MI0003621
NovelMiR_KnownLoci_ID0000063	10_+_102734764_102734781	GTGTTGGGACAGCTCCGT	27231	hsa-miR-608;Derives_from=MI0003621
NovelMiR_KnownLoci_ID0000064	10_-_103361181_103361208	CAGAAGGGCTTCCTCTCTGCAGGACCGG	27232	hsa-miR-3158-3p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000065	10_+_103361184_103361204	GTCCTGCAGAGAGGAAGCCCT	27233	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000066	10_-_103361184_103361207	AGAAGGGCTTCCTCTCTGCAGGAC	27234	hsa-miR-3158-3p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000067	10_+_103361184_103361207	GTCCTGCAGAGAGGAAGCCCTTCT	27235	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000068	10_-_103361184_103361208	CAGAAGGGCTTCCTCTCTGCAGGAC	27236	hsa-miR-3158-3p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000069	10_+_103361184_103361208	GTCCTGCAGAGAGGAAGCCCTTCTG	27237	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000070	10_+_103361185_103361207	TCCTGCAGAGAGGAAGCCCTTCT	27238	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000071	10_-_103361186_103361207	AGAAGGGCTTCCTCTCTGCAGG	27239	hsa-miR-3158-3p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000072	10_+_103361186_103361207	CCTGCAGAGAGGAAGCCCTTCT	27240	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000073	10_+_103361186_103361209	CCTGCAGAGAGGAAGCCCTTCTGC	27241	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000074	10_+_103361186_103361210	CCTGCAGAGAGGAAGCCCTTCTGCT	27242	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000075	10_+_103361187_103361208	CTGCAGAGAGGAAGCCCTTCTG	27243	hsa-miR-3158-5p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000076	10_-_103361217_103361242	CCTGCAGAGAGGAAGCCCTTCCAATA	27244	hsa-miR-3158-5p;Derives_from=MI0014187

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000077	10_+_103361218_103361239	ATTGGAAGGGCTTCCTCTCTGC	27245	hsa-miR-3158-3p;Derives_from=MI0014186
NovelMiR_KnownLoci_ID0000078	10_-_103361219_103361242	CCTGCAGAGAGGAAGCCCTTCCAA	27246	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000079	10_-_103361219_103361246	CGGTCCTGCAGAGAGGAAGCCCTTCCAA	27247	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000080	10_-_103361220_103361242	CCTGCAGAGAGGAAGCCCTTCCA	27248	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000081	10_-_103361220_103361243	TCCTGCAGAGAGGAAGCCCTTCCA	27249	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000082	10_-_103361220_103361244	GTCCTGCAGAGAGGAAGCCCTTCCA	27250	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000083	10_-_103361221_103361242	CCTGCAGAGAGGAAGCCCTTCC	27251	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000084	10_-_103361221_103361243	TCCTGCAGAGAGGAAGCCCTTCC	27252	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000085	10_-_103361221_103361244	GTCCTGCAGAGAGGAAGCCCTTCC	27253	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000086	10_-_103361222_103361243	TCCTGCAGAGAGGAAGCCCTTC	27254	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000087	10_-_103361225_103361246	CGGTCCTGCAGAGAGGAAGCCC	27255	hsa-miR-3158-5p;Derives_from=MI0014187
NovelMiR_KnownLoci_ID0000088	10_+_104196277_104196294	TGAGAACTGAATTCCATA	27256	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000089	10_+_104196277_104196295	TGAGAACTGAATTCCATAG	27257	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000090	10_+_104196277_104196296	TGAGAACTGAATTCCATAGG	27258	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000091	10_+_104196277_104196297	TGAGAACTGAATTCCATAGGC	27259	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000092	10_+_104196277_104196299	TGAGAACTGAATTCCATAGGCTG	27260	hsa-miR-146b-5p;Derives_from=MI0003129

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000093	10_+_104196277_104196300	TGAGAACTGAATTCCATAGGCTGT	27261	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000094	10_+_104196278_104196300	GAGAACTGAATTCCATAGGCTGT	27262	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000095	10_+_104196281_104196298	AACTGAATTCCATAGGCT	27263	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000096	10_+_104196313_104196331	TGCCCTGTGGACTCAGTTC	27264	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000097	10_+_104196313_104196332	TGCCCTGTGGACTCAGTTCT	27265	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000098	10_+_104196313_104196333	TGCCCTGTGGACTCAGTTCTG	27266	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000099	10_+_104196313_104196335	TGCCCTGTGGACTCAGTTCTGGT	27267	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000100	10_+_104196313_104196336	TGCCCTGTGGACTCAGTTCTGGTG	27268	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000101	10_+_104196313_104196337	TGCCCTGTGGACTCAGTTCTGGTGC	27269	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000102	10_+_104196313_104196338	TGCCCTGTGGACTCAGTTCTGGTGCC	27270	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000103	10_+_104196314_104196336	GCCCTGTGGACTCAGTTCTGGTG	27271	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000104	10_+_104196314_104196337	GCCCTGTGGACTCAGTTCTGGTGC	27272	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000105	10_+_104196315_104196337	CCCTGTGGACTCAGTTCTGGTGC	27273	hsa-miR-146b-3p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0000106	10_-_105154055_105154078	CTCGGCGTGGCGTCGGTCGTGGTA	27274	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000107	10_-_105154055_105154079	ACTCGGCGTGGCGTCGGTCGTGGTA	27275	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000108	10_-_105154056_105154078	CTCGGCGTGGCGTCGGTCGTGGT	27276	hsa-miR-1307-3p;Derives_from=MI0006444

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000109	10_-_105154056_105154079	ACTCGGCGTGGCGTCGGTCGTGGT	27277	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000110	10_-_105154057_105154078	CTCGGCGTGGCGTCGGTCGTGG	27278	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000111	10_-_105154057_105154079	ACTCGGCGTGGCGTCGGTCGTGG	27279	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000112	10_-_105154058_105154078	CTCGGCGTGGCGTCGGTCGTG	27280	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000113	10_-_105154061_105154079	ACTCGGCGTGGCGTCGGTC	27281	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000114	10_-_105154063_105154078	CTCGGCGTGGCGTCGG	27282	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000115	10_-_105154063_105154079	ACTCGGCGTGGCGTCGG	27283	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000116	10_-_105154064_105154079	ACTCGGCGTGGCGTCG	27284	hsa-miR-1307-3p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000117	10_-_105154094_105154118	TCGACCGGACCTCGACCGGCTCGTC	27285	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000118	10_-_105154095_105154118	TCGACCGGACCTCGACCGGCTCGT	27286	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000119	10_-_105154096_105154118	TCGACCGGACCTCGACCGGCTCG	27287	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000120	10_-_105154097_105154118	TCGACCGGACCTCGACCGGCTC	27288	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000121	10_-_105154098_105154117	CGACCGGACCTCGACCGGCT	27289	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000122	10_-_105154099_105154118	TCGACCGGACCTCGACCGGC	27290	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000123	10_-_105154100_105154118	TCGACCGGACCTCGACCGG	27291	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000124	10_-_105154101_105154118	TCGACCGGACCTCGACCG	27292	hsa-miR-1307-5p;Derives_from=MI0006444

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000125	10_-_105154102_105154118	TCGACCGGACCTCGACC	27293	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0000126	10_-_105807904_105807929	CAGTAGAGGGAGGAATCGCAGAAATC	27294	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000127	10_-_105807909_105807929	CAGTAGAGGGAGGAATCGCAG	27295	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000128	10_-_105807910_105807929	CAGTAGAGGGAGGAATCGCA	27296	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000129	10_-_105807910_105807930	ACAGTAGAGGGAGGAATCGCA	27297	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000130	10_-_105807912_105807929	CAGTAGAGGGAGGAATCG	27298	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000131	10_-_105807913_105807934	TGGGACAGTAGAGGGAGGAATC	27299	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000132	10_-_105807913_105807936	ACTGGGACAGTAGAGGGAGGAATC	27300	hsa-miR-936;Derives_from=MI0005758
NovelMiR_KnownLoci_ID0000133	10_-_105978605_105978626	AGGGTGTTTCTCTCATCTCTGG	27301	hsa-miR-609;Derives_from=MI0003622
NovelMiR_KnownLoci_ID0000134	10_-_105978605_105978627	TAGGGTGTTTCTCTCATCTCTGG	27302	hsa-miR-609;Derives_from=MI0003622
NovelMiR_KnownLoci_ID0000135	10_-_105978606_105978627	TAGGGTGTTTCTCTCATCTCTG	27303	hsa-miR-609;Derives_from=MI0003622
NovelMiR_KnownLoci_ID0000136	10_-_105978607_105978627	TAGGGTGTTTCTCTCATCTCT	27304	hsa-miR-609;Derives_from=MI0003622
NovelMiR_KnownLoci_ID0000137	10_-_105978609_105978629	CCTAGGGTGTTTCTCTCATCT	27305	hsa-miR-609;Derives_from=MI0003622
NovelMiR_KnownLoci_ID0000138	10_-_105978609_105978630	TCCTAGGGTGTTTCTCTCATCT	27306	hsa-miR-609;Derives_from=MI0003622
NovelMiR_KnownLoci_ID0000139	10_-_106028094_106028120	TTTCTATTTCTCAGTGGGGCTCTTACC	27307	hsa-miR-4482-3p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000140	10_-_106028097_106028120	TTTCTATTTCTCAGTGGGGCTCTT	27308	hsa-miR-4482-3p;Derives_from=MI0016843

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000141	10_-_106028098_106028120	TTTCTATTTCTCAGTGGGGCTCT	27309	hsa-miR-4482-3p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000142	10_-_106028100_106028116	TATTTCTCAGTGGGGCT	27310	hsa-miR-4482-3p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000143	10_-_106028100_106028120	TTTCTATTTCTCAGTGGGGCT	27311	hsa-miR-4482-3p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000144	10_-_106028101_106028120	TTTCTATTTCTCAGTGGGGC	27312	hsa-miR-4482-3p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000145	10_-_106028102_106028120	TTTCTATTTCTCAGTGGGG	27313	hsa-miR-4482-3p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000146	10_-_106028134_106028156	AACCCAGTGGGCTATGGAAATGT	27314	hsa-miR-4482-5p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000147	10_-_106028136_106028156	AACCCAGTGGGCTATGGAAAT	27315	hsa-miR-4482-5p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000148	10_-_106028137_106028156	AACCCAGTGGGCTATGGAAA	27316	hsa-miR-4482-5p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000149	10_-_106028138_106028156	AACCCAGTGGGCTATGGAA	27317	hsa-miR-4482-5p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000150	10_-_106028139_106028156	AACCCAGTGGGCTATGGA	27318	hsa-miR-4482-5p;Derives_from=MI0016843
NovelMiR_KnownLoci_ID0000151	10_+_112657846_112657862	AATATAAGAACTCTTGC	27319	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000152	10_+_112657846_112657863	AATATAAGAACTCTTGCA	27320	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000153	10_+_112657846_112657864	AATATAAGAACTCTTGCAG	27321	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000154	10_+_112657846_112657867	AATATAAGAACTCTTGCAGTCT	27322	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000155	10_+_112657849_112657871	ATAAGAACTCTTGCAGTCTTAGA	27323	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000156	10_+_112657850_112657869	TAAGAACTCTTGCAGTCTTA	27324	hsa-miR-4680-5p;Derives_from=MI0017312

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000157	10_+_112657850_112657871	TAAGAACTCTTGCAGTCTTAGA	27325	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000158	10_+_112657850_112657873	TAAGAACTCTTGCAGTCTTAGATG	27326	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000159	10_+_112657851_112657878	AAGAACTCTTGCAGTCTTAGATGTTATA	27327	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000160	10_+_112657852_112657871	AGAACTCTTGCAGTCTTAGA	27328	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000161	10_+_112657852_112657873	AGAACTCTTGCAGTCTTAGATG	27329	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000162	10_+_112657852_112657875	AGAACTCTTGCAGTCTTAGATGTT	27330	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000163	10_+_112657852_112657877	AGAACTCTTGCAGTCTTAGATGTTAT	27331	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000164	10_+_112657852_112657879	AGAACTCTTGCAGTCTTAGATGTTATAA	27332	hsa-miR-4680-5p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000165	10_+_112657886_112657911	ATATCTGAATTGTAAGAGTTGTTAGC	27333	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000166	10_+_112657888_112657908	ATCTGAATTGTAAGAGTTGTT	27334	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000167	10_+_112657889_112657908	TCTGAATTGTAAGAGTTCTT	27335	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000168	10_+_112657889_112657910	TCTGAATTGTAAGAGTTGTTAG	27336	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000169	10_+_112657889_112657911	TCTGAATTGTAAGAGTTGTTAGC	27337	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000170	10_+_112657891_112657910	TGAATTGTAAGAGTTGTTAG	27338	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000171	10_+_112657891_112657911	TGAATTGTAAGAGTTGTTAGC	27339	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000172	10_+_112657891_112657912	TGAATTGTAAGAGTTGTTAGCA	27340	hsa-miR-4680-3p;Derives_from=MI0017312

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000173	10_+_112657891_112657913	TGAATTGTAAGAGTTGTTAGCAC	27341	hsa-miR-4680-3p;Derives_from=MI0017312
NovelMiR_KnownLoci_ID0000174	10_+_112748692_112748708	TTGGTACAAAAGCAATC	27342	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000175	10_+_112748695_112748714	GTACAAAAGCAATCGCGGTT	27343	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000176	10_+_112748695_112748715	GTACAAAAGCAATCGCGGTTT	27344	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000177	10_+_112748695_112748716	GTACAAAAGCAATCGCGGTTTT	27345	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000178	10_+_112748695_112748721	GTACAAAAGCAATCGCGGTTTTTG CTA	27346	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000179	10_+_112748698_112748716	CAAAAGCAATCGCGGTTTT	27347	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000180	10_+_112748698_112748717	CAAAAGCAATCGCGGTTTTT	27348	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000181	10_+_112748698_112748718	CAAAAGCAATCGCGGTTTTTG	27349	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000182	10_+_112748698_112748720	CAAAAGCAATCGCGGTTTTTGCT	27350	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000183	10_+_112748698_112748721	CAAAAGCAATCGCGGTTTTTGCTA	27351	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000184	10_+_112748698_112748724	CAAAAGCAATCGCGGTTTTTGCTA TTA	27352	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000185	10_+_112748699_112748714	AAAAGCAATCGCGGTT	27353	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000186	10_+_112748699_112748716	AAAAGCAATCGCGGTTTT	27354	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000187	10_+_112748699_112748717	AAAAGCAATCGCGGTTTTT	27355	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000188	10_+_112748699_112748718	AAAAGCAATCGCGGTTTTTG	27356	hsa-miR-548e-5p;Derives_from=MI0006344

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000189	10_+_112748699_112748719	AAAAGCAATCGCGGTTTTTGC	27357	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000190	10_+_112748699_112748720	AAAAGCAATCGCGGTTTTTGCT	27358	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000191	10_+_112748699_112748721	AAAAGCAATCGCGGTTTTTGCTA	27359	hsa-miR-548e-5p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000192	10_+_112748735_112748756	CAAAAACTGAGACTACTTTTGC	27360	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000193	10_+_112748735_112748757	CAAAAACTGAGACTACTTTTGCA	27361	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000194	10_+_112748735_112748759	CAAAAACTGAGACTACTTTTGCACC	27362	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000195	10_+_112748736_112748755	AAAAACTGAGACTACTTTTG	27363	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000196	10_+_112748736_112748756	AAAAACTGAGACTACTTTTGC	27364	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000197	10_+_112748736_112748758	AAAAACTGAGACTACTTTTGCAC	27365	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000198	10_+_112748736_112748759	AAAAACTGAGACTACTTTTGCACC	27366	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000199	10_+_112748737_112748756	AAAACTGAGACTACTTTTGC	27367	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000200	10_+_112748737_112748757	AAAACTGAGACTACTTTTGCA	27368	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000201	10_+_112748737_112748758	AAAACTGAGACTACTTTTGCAC	27369	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000202	10_+_112748737_112748759	AAAACTGAGACTACTTTTGCACC	27370	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000203	10_+_112748738_112748757	AAACTGAGACTACTTTTGCA	27371	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000204	10_+_112748738_112748759	AAACTGAGACTACTTTTGCACC	27372	hsa-miR-548e-3p;Derives_from=MI0006344

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000205	10_+_112748738_112748760	AAACTGAGACTACTTTTGCACCA	27373	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000206	10_+_112748738_112748762	AAACTGAGACTACTTTTGCACCAAC	27374	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000207	10_+_112748739_112748759	AACTGAGACTACTTTTGCACC	27375	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000208	10_+_112748739_112748760	AACTGAGACTACTTTTGCACCA	27376	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000209	10_+_112748739_112748761	AACTGAGACTACTTTTGCACCAA	27377	hsa-miR-548e-3p;Derives_from=MI0006344
NovelMiR_KnownLoci_ID0000210	10_-_114059377_114059401	CTCAAACCGGCTGTGCCTGTGGACG	27378	hsa-miR-6715b-3p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000211	10_-_114059378_114059401	CTCAAACCGGCTGTGCCTGTGGAC	27379	hsa-miR-6715b-3p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000212	10_-_114059379_114059401	CTCAAACCGGCTGTGCCTGTGGA	27380	hsa-miR-6715b-3p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000213	10_-_114059380_114059399	CAAACCGGCTGTGCCTGTGG	27381	hsa-miR-6715b-3p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000214	10_-_114059381_114059401	CTCAAACCGGCTGTGCCTGTG	27382	hsa-miR-6715b-3p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000215	10_-_114059383_114059401	CTCAAACCGGCTGTGCCTG	27383	hsa-miR-6715b-3p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000216	10_-_114059415_114059436	ACAGGCACGACTCGTTTGGCAA	27384	hsa-miR-6715b-5p;Derives_from=MI0022549
NovelMiR_KnownLoci_ID0000217	10_+_114059418_114059437	CCAAACCAGTCGTGCCTGTG	27385	hsa-miR-6715a-3p;Derives_from=MI0022548
NovelMiR_KnownLoci_ID0000218	10_+_114059418_114059439	CCAAACCAGTCGTGCCTGTGGG	27386	hsa-miR-6715a-3p;Derives_from=MI0022548
NovelMiR_KnownLoci_ID0000219	10_+_114059419_114059438	CAAACCAGTCGTGCCTGTGG	27387	hsa-miR-6715a-3p;Derives_from=MI0022548
NovelMiR_KnownLoci_ID0000220	10_+_114059419_114059440	CAAACCAGTCGTGCCTGTGGGC	27388	hsa-miR-6715a-3p;Derives_from=MI0022548

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000221	10_+_114393939_114393957	CAGTGCAATGTTTTCCTTG	27389	hsa-miR-4295;Derives_from=MI0015822
NovelMiR_KnownLoci_ID0000222	10_+_114393939_114393958	CAGTGCAATGTTTTCCTTGC	27390	hsa-miR-4295;Derives_from=MI0015822
NovelMiR_KnownLoci_ID0000223	10_+_114393939_114393959	CAGTGCAATGTTTTCCTTGCC	27391	hsa-miR-4295;Derives_from=MI0015822
NovelMiR_KnownLoci_ID0000224	10_+_114393939_114393960	CAGTGCAATGTTTTCCTTGCCT	27392	hsa-miR-4295;Derives_from=MI0015822
NovelMiR_KnownLoci_ID0000225	10_+_114393939_114393961	CAGTGCAATGTTTTCCTTGCCTG	27393	hsa-miR-4295;Derives_from=MI0015822
NovelMiR_KnownLoci_ID0000226	10_-_115537758_115537775	GGGGTGGTCTGTTGTTGT	27394	hsa-miR-4483;Derives_from=MI0016844
NovelMiR_KnownLoci_ID0000227	10_-_115537760_115537775	GGGGTGGTCTGTTGTT	27395	hsa-miR-4483;Derives_from=MI0016844
NovelMiR_KnownLoci_ID0000228	10_-_115933907_115933931	TTGGGGAAACGGCCGCTGAGTGAGG	27396	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000229	10_-_115933908_115933931	TTGGGGAAACGGCCGCTGAGTGAG	27397	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000230	10_-_115933909_115933930	TGGGGAAACGGCCGCTGAGTGA	27398	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000231	10_-_115933909_115933931	TTGGGGAAACGGCCGCTGAGTGA	27399	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000232	10_-_115933911_115933931	TTGGGGAAACGGCCGCTGAGT	27400	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000233	10_-_115933912_115933931	TTGGGGAAACGGCCGCTGAG	27401	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000234	10_-_115933913_115933931	TTGGGGAAACGGCCGCTGA	27402	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000235	10_-_115933914_115933931	TTGGGGAAACGGCCGCTG	27403	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000236	10_-_115933915_115933931	TTGGGGAAACGGCCGCT	27404	hsa-miR-2110;Derives_from=MI0010629

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000237	10_-_115933916_115933931	TTGGGGAAACGGCCGC	27405	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000238	10_-_115933920_115933937	AGGGGTTTGGGGAAACGG	27406	hsa-miR-2110;Derives_from=MI0010629
NovelMiR_KnownLoci_ID0000239	10_-_118927203_118927228	TGAGCACCACACACAGGCCGGGCGCCGG	27407	hsa-miR-3663-3p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000240	10_-_118927205_118927228	TGAGCACCACACACAGGCCGGGCGCC	27408	hsa-miR-3663-3p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000241	10_-_118927207_118927228	TGAGCACCACACACAGGCCGGGCG	27409	hsa-miR-3663-3p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000242	10_-_118927208_118927228	TGAGCACCACACACAGGCCGGGC	27410	hsa-miR-3663-3p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000243	10_-_118927209_118927228	TGAGCACCACACACAGGCCGGG	27411	hsa-miR-3663-3p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000244	10_-_118927210_118927228	TGAGCACCACACACAGGCCGG	27412	hsa-miR-3663-3p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000245	10_-_118927243_118927265	GCTGGTCTGCGTGGTGCTCGGGT	27413	hsa-miR-3663-5p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000246	10_-_118927244_118927265	GCTGGTCTGCGTGGTGCTCGGG	27414	hsa-miR-3663-5p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000247	10_-_118927245_118927266	CGCTGGTCTGCGTGGTGCTCGG	27415	hsa-miR-3663-5p;Derives_from=MI0016064
NovelMiR_KnownLoci_ID0000248	10_+_121137487_121137506	AACGGGAATGCAGGCTGTAT	27416	hsa-miR-4681;Derives_from=MI0017313
NovelMiR_KnownLoci_ID0000249	10_+_121137487_121137509	AACGGGAATGCAGGCTGTATCTG	27417	hsa-miR-4681;Derives_from=MI0017313
NovelMiR_KnownLoci_ID0000250	10_+_121137487_121137510	AACGGGAATGCAGGCTGTATCTGC	27418	hsa-miR-4681;Derives_from=MI0017313
NovelMiR_KnownLoci_ID0000251	10_+_121137488_121137509	ACGGGAATGCAGGCTGTATCTG	27419	hsa-miR-4681;Derives_from=MI0017313
NovelMiR_KnownLoci_ID0000252	10_+_121137489_121137509	CGGGAATGCAGGCTGTATCTG	27420	hsa-miR-4681;Derives_from=MI0017313

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000253	10_+_121137489_121137510	CGGGAATGCAGGCTGTATCTGC	27421	hsa-miR-4681;Derives_from=MI0017313
NovelMiR_KnownLoci_ID0000254	10_+_121718034_121718053	TCTGAGTTCCTGGAGCCTGG	27422	hsa-miR-4682;Derives_from=MI0017314
NovelMiR_KnownLoci_ID0000255	10_+_121718034_121718054	TCTGAGTTCCTGGAGCCTGGT	27423	hsa-miR-4682;Derives_from=MI0017314
NovelMiR_KnownLoci_ID0000256	10_+_121718034_121718055	TCTGAGTTCCTGGAGCCTGGTC	27424	hsa-miR-4682;Derives_from=MI0017314
NovelMiR_KnownLoci_ID0000257	10_+_121718034_121718059	TCTGAGTTCCTGGAGCCTGGTCTGTC	27425	hsa-miR-4682;Derives_from=MI0017314
NovelMiR_KnownLoci_ID0000258	10_+_121718036_121718055	TGAGTTCCTGGAGCCTGGTC	27426	hsa-miR-4682;Derives_from=MI0017314
NovelMiR_KnownLoci_ID0000259	10_-_12172790_12172811	AAAAGTAACTGCGGTTTTTGAG	27427	hsa-miR-548ak;Derives_from=MI0016840
NovelMiR_KnownLoci_ID0000260	10_-_12172790_12172812	CAAAAGTAACTGCGGTTTTTGAG	27428	hsa-miR-548ak;Derives_from=MI0016840
NovelMiR_KnownLoci_ID0000261	10_-_12172791_12172812	CAAAAGTAACTGCGGTTTTTGA	27429	hsa-miR-548ak;Derives_from=MI0016840
NovelMiR_KnownLoci_ID0000262	10_+_124176538_124176557	TTTTACACACAACTGAGGAT	27430	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000263	10_+_124176538_124176559	TTTTACACACAACTGAGGATCA	27431	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000264	10_+_124176538_124176561	TTTTACACACAACTGAGGATCATA	27432	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000265	10_+_124176540_124176558	TTACACACAACTGAGGATC	27433	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000266	10_+_124176540_124176559	TTACACACAACTGAGGATCA	27434	hsa-miR-3941;Derives_from=MI0016598

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000267	10_+_124176540_124176560	TTACACACAACTGAGGATCAT	27435	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000268	10_+_124176540_124176563	TTACACACAACTGAGGATCATAGC	27436	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000269	10_+_124176542_124176562	ACACACAACTGAGGATCATAG	27437	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000270	10_+_124176542_124176563	ACACACAACTGAGGATCATAGC	27438	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000271	10_+_124176542_124176564	ACACACAACTGAGGATCATAGCC	27439	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000272	10_+_124176543_124176564	CACACAACTGAGGATCATAGCC	27440	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000273	10_+_124176551_124176567	TGAGGATCATAGCCTGA	27441	hsa-miR-3941;Derives_from=MI0016598
NovelMiR_KnownLoci_ID0000274	10_+_12620794_12620813	TAGCCAAGTGGAAGTTACTT	27442	hsa-miR-4480;Derives_from=MI0016841
NovelMiR_KnownLoci_ID0000275	10_+_12620794_12620815	TAGCCAAGTGGAAGTTACTTTA	27443	hsa-miR-4480;Derives_from=MI0016841
NovelMiR_KnownLoci_ID0000276	10_+_12620795_12620813	AGCCAAGTGGAAGTTACTT	27444	hsa-miR-4480;Derives_from=MI0016841
NovelMiR_KnownLoci_ID0000277	10_+_12620795_12620817	AGCCAAGTGGAAGTTACTTTACC	27445	hsa-miR-4480;Derives_from=MI0016841
NovelMiR_KnownLoci_ID0000278	10_+_12620795_12620819	AGCCAAGTGGAAGTTACTTTACCTC	27446	hsa-miR-4480;Derives_from=MI0016841
NovelMiR_KnownLoci_ID0000279	10_+_127508371_127508391	AAAAAGGCGGGAGAAGCCCCA	27447	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000280	10_+_127508371_127508392	AAAAAGGCGGGAGAAGCCCCAG	27448	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000281	10_+_127508371_127508393	AAAAAGGCGGGAGAAGCCCCAGC	27449	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000282	10_+_127508371_127508397	AAAAAGGCGGGAGAAGCCCCAGCAGAA	27450	hsa-miR-4484;Derives_from=MI0016845

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000283	10_+_127508372_127508393	AAAAGGCGGGAGAAGCCCCAGC	27451	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000284	10_+_127508372_127508397	AAAAGGCGGGAGAAGCCCCAGCAGAA	27452	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000285	10_+_127508373_127508391	AAAGGCGGGAGAAGCCCCA	27453	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000286	10_+_127508373_127508392	AAAGGCGGGAGAAGCCCCAG	27454	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000287	10_+_127508373_127508393	AAAGGCGGGAGAAGCCCCAGC	27455	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000288	10_+_127508373_127508394	AAAGGCGGGAGAAGCCCCAGCA	27456	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000289	10_+_127508373_127508396	AAAGGCGGGAGAAGCCCCAGCAGA	27457	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000290	10_+_127508373_127508397	AAAGGCGGGAGAAGCCCCAGCAGAA	27458	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000291	10_+_127508374_127508391	AAGGCGGGAGAAGCCCCA	27459	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000292	10_+_127508374_127508392	AAGGCGGGAGAAGCCCCAG	27460	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000293	10_+_127508374_127508393	AAGGCGGGAGAAGCCCCAGC	27461	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000294	10_+_127508374_127508394	AAGGCGGGAGAAGCCCCAGCA	27462	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000295	10_+_127508374_127508396	AAGGCGGGAGAAGCCCCAGCAGA	27463	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000296	10_+_127508374_127508397	AAGGCGGGAGAAGCCCCAGCAGAA	27464	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000297	10_+_127508375_127508391	AGGCGGGAGAAGCCCCA	27465	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000298	10_+_127508375_127508392	AGGCGGGAGAAGCCCCAG	27466	hsa-miR-4484;Derives_from=MI0016845

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000299	10_+_127508375_127508397	AGGCGGGAGAAGCCCCAGCAGAA	27467	hsa-miR-4484;Derives_from=MI0016845
NovelMiR_KnownLoci_ID0000300	10_-_132760897_132760916	ACTTGGAGTCAGAAGAGTGG	27468	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000301	10_-_132760897_132760920	CTGGACTTGGAGTCAGAAGAGTGG	27469	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000302	10_-_132760898_132760921	ACTGGACTTGGAGTCAGAAGAGTG	27470	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000303	10_-_132760899_132760920	CTGGACTTGGAGTCAGAAGAGT	27471	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000304	10_-_132760899_132760921	ACTGGACTTGGAGTCAGAAGAGT	27472	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000305	10_-_132760900_132760920	CTGGACTTGGAGTCAGAAGAG	27473	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000306	10_-_132760900_132760921	ACTGGACTTGGAGTCAGAAGAG	27474	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000307	10_-_132760900_132760922	CACTGGACTTGGAGTCAGAAGAG	27475	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000308	10_-_132760901_132760922	CACTGGACTTGGAGTCAGAAGA	27476	hsa-miR-378c;Derives_from=MI0015825
NovelMiR_KnownLoci_ID0000309	10_-_135061038_135061061	AGAGGTATAGGGCATGGGAAAACG	27477	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000310	10_-_135061039_135061061	AGAGGTATAGGGCATGGGAAAAC	27478	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000311	10_-_135061039_135061062	AAGAGGTATAGGGCATGGGAAAAC	27479	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000312	10_-_135061039_135061064	TAAAGAGGTATAGGGCATGGGAAAAC	27480	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000313	10_-_135061040_135061061	AGAGGTATAGGGCATGGGAAAA	27481	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000314	10_-_135061041_135061061	AGAGGTATAGGGCATGGGAAA	27482	hsa-miR-202-3p;Derives_from=MI0003130

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000315	10_-_135061041_135061062	AAGAGGTATAGGGCATGGGAAA	27483	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000316	10_-_135061042_135061062	AAGAGGTATAGGGCATGGGAA	27484	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000317	10_-_135061043_135061062	AAGAGGTATAGGGCATGGGA	27485	hsa-miR-202-3p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000318	10_-_135061074_135061097	TTCCTATGCATATACTTCTTTGAG	27486	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000319	10_-_135061075_135061097	TTCCTATGCATATACTTCTTTGA	27487	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000320	10_-_135061077_135061097	TTCCTATGCATATACTTCTTT	27488	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000321	10_-_135061077_135061098	TTTCCTATGCATATACTTCTTT	27489	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000322	10_-_135061078_135061097	TTCCTATGCATATACTTCTT	27490	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000323	10_-_135061079_135061097	TTCCTATGCATATACTTCT	27491	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000324	10_-_135061079_135061098	TTTCCTATGCATATACTTCT	27492	hsa-miR-202-5p;Derives_from=MI0003130
NovelMiR_KnownLoci_ID0000325	10_-_135185077_135185095	CCTGCTGCTCCGGACCTGT	27493	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000326	10_-_135185080_135185103	CGGGCTGGCCTGCTGCTCCGGACC	27494	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000327	10_-_135185080_135185105	TTCGGGCTGGCCTGCTGCTCCGGA CC	27495	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000328	10_-_135185081_135185105	TTCGGGCTGGCCTGCTGCTCCGGA C	27496	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000329	10_-_135185082_135185103	CGGGCTGGCCTGCTGCTCCGGA	27497	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000330	10_-_135185082_135185105	TTCGGGCTGGCCTGCTGCTCCGGA	27498	hsa-miR-3944-3p;Derives_from=MI0016601

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000331	10_-_135185083_135185103	CGGGCTGGCCTGCTGCTCCGG	27499	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000332	10_-_135185083_135185104	TCGGGCTGGCCTGCTGCTCCGG	27500	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000333	10_-_135185084_135185105	TTCGGGCTGGCCTGCTGCTCCG	27501	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000334	10_-_135185086_135185105	TTCGGGCTGGCCTGCTGCTC	27502	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000335	10_-_135185087_135185105	TTCGGGCTGGCCTGCTGCT	27503	hsa-miR-3944-3p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000336	10_-_135185122_135185145	TGTGCAGCAGGCCAACCGAGAAGC	27504	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000337	10_-_135185122_135185146	CTGTGCAGCAGGCCAACCGAGAAGC	27505	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000338	10_-_135185123_135185145	TGTGCAGCAGGCCAACCGAGAAG	27506	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000339	10_-_135185124_135185145	TGTGCAGCAGGCCAACCGAGAA	27507	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000340	10_-_135185124_135185146	CTGTGCAGCAGGCCAACCGAGAA	27508	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000341	10_-_135185125_135185146	CTGTGCAGCAGGCCAACCGAGA	27509	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000342	10_-_135185126_135185145	TGTGCAGCAGGCCAACCGAG	27510	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000343	10_-_135185126_135185146	CTGTGCAGCAGGCCAACCGAG	27511	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000344	10_-_135185127_135185145	TGTGCAGCAGGCCAACCGA	27512	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000345	10_-_135185127_135185148	TCCTGTGCAGCAGGCCAACCGA	27513	hsa-miR-3944-5p;Derives_from=MI0016601
NovelMiR_KnownLoci_ID0000346	10_-_135185128_135185145	TGTGCAGCAGGCCAACCG	27514	hsa-miR-3944-5p;Derives_from=MI0016601

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000347	10_-_14425208_14425230	CACACCAGCCTGACAGGAACAGC	27515	hsa-miR-4293;Derives_from=MI0015826
NovelMiR_KnownLoci_ID0000348	10_-_14425209_14425230	CACACCAGCCTGACAGGAACAG	27516	hsa-miR-4293;Derives_from=MI0015826
NovelMiR_KnownLoci_ID0000349	10_-_14425210_14425230	CACACCAGCCTGACAGGAACA	27517	hsa-miR-4293;Derives_from=MI0015826
NovelMiR_KnownLoci_ID0000350	10_+_14478588_14478610	CAGGATGTGGTCAAGTGTTGTTA	27518	hsa-miR-1265;Derives_from=MI0006401
NovelMiR_KnownLoci_ID0000351	10_+_20840944_20840964	GGGGCTGTGATTGACCAGCAG	27519	hsa-miR-4675;Derives_from=MI0017306
NovelMiR_KnownLoci_ID0000352	10_+_20840954_20840971	TTGACCAGCAGGACTTCT	27520	hsa-miR-4675;Derives_from=MI0017306
NovelMiR_KnownLoci_ID0000353	10_-_21785499_21785524	CCCCAGGGCGACGCGGCGGGGGCGGC	27521	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000354	10_-_21785500_21785524	CCCCAGGGCGACGCGGCGGGGGCGG	27522	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000355	10_-_21785501_21785524	CCCCAGGGCGACGCGGCGGGGGCG	27523	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000356	10_-_21785502_21785524	CCCCAGGGCGACGCGGCGGGGGC	27524	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000357	10_-_21785503_21785524	CCCCAGGGCGACGCGGCGGGGG	27525	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000358	10_-_21785504_21785524	CCCCAGGGCGACGCGGCGGGG	27526	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000359	10_-_21785506_21785524	CCCCAGGGCGACGCGGCGG	27527	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000360	10_-_21785508_21785524	CCCCAGGGCGACGCGGC	27528	hsa-miR-1915-3p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000361	10_-_21785532_21785551	TTGCTGCCCGGGCCGTGCAC	27529	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000362	10_-_21785534_21785559	ACCTTGCCTTGCTGCCCGGGCCGTGC	27530	hsa-miR-1915-5p;Derives_from=MI0008336

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000363	10_-_21785536_21785559	ACCTTGCCTTGCTGCCCGGGCCGT	27531	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000364	10_-_21785536_21785560	CACCTTGCCTTGCTGCCCGGGCCGT	27532	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000365	10_-_21785537_21785559	ACCTTGCCTTGCTGCCCGGGCCG	27533	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000366	10_-_21785537_21785560	CACCTTGCCTTGCTGCCCGGGCCG	27534	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000367	10_-_21785538_21785560	CACCTTGCCTTGCTGCCCGGGCC	27535	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000368	10_-_21785539_21785559	ACCTTGCCTTGCTGCCCGGGC	27536	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000369	10_-_21785539_21785560	CACCTTGCCTTGCTGCCCGGGC	27537	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000370	10_-_21785540_21785560	CACCTTGCCTTGCTGCCCGGG	27538	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000371	10_-_21785541_21785560	CACCTTGCCTTGCTGCCCGG	27539	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000372	10_-_21785543_21785560	CACCTTGCCTTGCTGCCC	27540	hsa-miR-1915-5p;Derives_from=MI0008336
NovelMiR_KnownLoci_ID0000373	10_+_23682336_23682363	GAGCCTGGAAGCTGGAGCCTGCAGTGAG	27541	hsa-miR-1254;Derives_from=MI0016747
NovelMiR_KnownLoci_ID0000374	10_+_23682337_23682363	AGCCTGGAAGCTGGAGCCTGCAGTGAG	27542	hsa-miR-1254;Derives_from=MI0016747
NovelMiR_KnownLoci_ID0000375	10_+_23682337_23682364	AGCCTGGAAGCTGGAGCCTGCAGTGAGC	27543	hsa-miR-1254;Derives_from=MI0016747
NovelMiR_KnownLoci_ID0000376	10_+_24564673_24564694	GCACACACTGCAATTACTTTTG	27544	hsa-miR-603;Derives_from=MI0003616
NovelMiR_KnownLoci_ID0000377	10_+_24564673_24564695	GCACACACTGCAATTACTTTTGC	27545	hsa-miR-603;Derives_from=MI0003616
NovelMiR_KnownLoci_ID0000378	10_+_24564674_24564694	CACACACTGCAATTACTTTTG	27546	hsa-miR-603;Derives_from=MI0003616

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000379	10_+_24564674_24564697	CACACACTGCAATTACTTTTGCTC	27547	hsa-miR-603;Derives_from=MI0003616
NovelMiR_KnownLoci_ID0000380	10_-_28578245_28578266	TAGTCTGGACTGATATGGTTAG	27548	hsa-miR-8086;Derives_from=MI0025922
NovelMiR_KnownLoci_ID0000381	10_-_29833948_29833963	CTGCGGAATTCAGGAC	27549	hsa-miR-604;Derives_from=MI0003617
NovelMiR_KnownLoci_ID0000382	10_-_29891234_29891260	GCCCTTAAAGGTGAACCCAGTGCACCT	27550	hsa-miR-938;Derives_from=MI0005760
NovelMiR_KnownLoci_ID0000383	10_-_29891237_29891257	CTTAAAGGTGAACCCAGTGCA	27551	hsa-miR-938;Derives_from=MI0005760
NovelMiR_KnownLoci_ID0000384	10_-_29891239_29891261	TGCCCTTAAAGGTGAACCCAGTG	27552	hsa-miR-938;Derives_from=MI0005760
NovelMiR_KnownLoci_ID0000385	10_-_29891240_29891260	GCCCTTAAAGGTGAACCCAGT	27553	hsa-miR-938;Derives_from=MI0005760
NovelMiR_KnownLoci_ID0000386	10_-_29891241_29891261	TGCCCTTAAAGGTGAACCCAG	27554	hsa-miR-938;Derives_from=MI0005760
NovelMiR_KnownLoci_ID0000387	10_-_35368533_35368557	TTGTGAAGAAAGAAATTCTTACTAG	27555	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000388	10_-_35368534_35368557	TTGTGAAGAAAGAAATTCTTACTA	27556	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000389	10_-_35368535_35368556	TGTGAAGAAAGAAATTCTTACT	27557	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000390	10_-_35368535_35368557	TTGTGAAGAAAGAAATTCTTACT	27558	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000391	10_-_35368536_35368557	TTGTGAAGAAAGAAATTCTTAC	27559	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000392	10_-_35368537_35368556	TGTGAAGAAAGAAATTCTTA	27560	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000393	10_-_35368538_35368557	TTGTGAAGAAAGAAATTCTT	27561	hsa-miR-3611;Derives_from=MI0016001
NovelMiR_KnownLoci_ID0000394	10_-_35368539_35368557	TTGTGAAGAAAGAAATTCT	27562	hsa-miR-3611;Derives_from=MI0016001

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000395	10_-_35930106_35930131	TGGAGATCCAGTGCTCGCCCGATC TC	27563	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000396	10_-_35930107_35930131	TGGAGATCCAGTGCTCGCCCGATC T	27564	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000397	10_-_35930108_35930131	TGGAGATCCAGTGCTCGCCCGATC	27565	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000398	10_-_35930109_35930130	GGAGATCCAGTGCTCGCCCGAT	27566	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000399	10_-_35930110_35930131	TGGAGATCCAGTGCTCGCCCGA	27567	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000400	10_-_35930111_35930131	TGGAGATCCAGTGCTCGCCCG	27568	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000401	10_-_35930112_35930131	TGGAGATCCAGTGCTCGCCC	27569	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000402	10_-_35930113_35930131	TGGAGATCCAGTGCTCGCC	27570	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000403	10_-_35930114_35930131	TGGAGATCCAGTGCTCGC	27571	hsa-miR-4683;Derives_from=MI0017315
NovelMiR_KnownLoci_ID0000404	10_+_43493072_43493094	CATGGGTTCAGATCCCAGCGGTG	27572	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000405	10_+_43493076_43493100	GGTTCAGATCCCAGCGGTGCCTCT A	27573	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000406	10_+_43493079_43493096	TCAGATCCCAGCGGTGCC	27574	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000407	10_+_43493079_43493097	TCAGATCCCAGCGGTGCCT	27575	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000408	10_+_43493079_43493100	TCAGATCCCAGCGGTGCCTCTA	27576	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000409	10_+_43493080_43493100	CAGATCCCAGCGGTGCCTCTA	27577	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000410	10_+_43493081_43493100	AGATCCCAGCGGTGCCTCTA	27578	hsa-miR-5100;Derives_from=MI0019116

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000411	10_+_43493082_43493097	GATCCCAGCGGTGCCT	27579	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000412	10_+_43493082_43493098	GATCCCAGCGGTGCCTC	27580	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000413	10_+_43493082_43493100	GATCCCAGCGGTGCCTCTA	27581	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000414	10_+_43493083_43493100	ATCCCAGCGGTGCCTCTA	27582	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000415	10_+_43493083_43493101	ATCCCAGCGGTGCCTCTAA	27583	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000416	10_+_43493083_43493102	ATCCCAGCGGTGCCTCTAAC	27584	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000417	10_+_43493083_43493103	ATCCCAGCGGTGCCTCTAACT	27585	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000418	10_+_43493083_43493104	ATCCCAGCGGTGCCTCTAACTG	27586	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000419	10_+_43493084_43493099	TCCCAGCGGTGCCTCT	27587	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000420	10_+_43493084_43493100	TCCCAGCGGTGCCTCTA	27588	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000421	10_+_43493085_43493100	CCCAGCGGTGCCTCTA	27589	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000422	10_+_43493085_43493101	CCCAGCGGTGCCTCTAA	27590	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000423	10_+_43493086_43493102	CCAGCGGTGCCTCTAAC	27591	hsa-miR-5100;Derives_from=MI0019116
NovelMiR_KnownLoci_ID0000424	10_+_53059345_53059366	TTCTAAATCCCATGGTGCCTTC	27592	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000425	10_+_53059346_53059367	TCTAAATCCCATGGTGCCTTCT	27593	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000426	10_+_53059347_53059367	CTAAATCCCATGGTGCCTTCT	27594	hsa-miR-605-5p;Derives_from=MI0003618

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000427	10_+_53059347_53059368	CTAAATCCCATGGTGCCTTCTC	27595	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000428	10_+_53059347_53059369	CTAAATCCCATGGTGCCTTCTCC	27596	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000429	10_+_53059348_53059367	TAAATCCCATGGTGCCTTCT	27597	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000430	10_+_53059348_53059368	TAAATCCCATGGTGCCTTCTC	27598	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000431	10_+_53059348_53059369	TAAATCCCATGGTGCCTTCTCC	27599	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000432	10_+_53059348_53059371	TAAATCCCATGGTGCCTTCTCCTT	27600	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000433	10_+_53059348_53059372	TAAATCCCATGGTGCCTTCTCCTTG	27601	hsa-miR-605-5p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000434	10_+_53059383_53059401	AGAAGGCACTATGAGATTT	27602	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000435	10_+_53059383_53059403	AGAAGGCACTATGAGATTTAG	27603	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000436	10_+_53059383_53059405	AGAAGGCACTATGAGATTTAGAA	27604	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000437	10_+_53059383_53059407	AGAAGGCACTATGAGATTTAGAATC	27605	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000438	10_+_53059384_53059403	GAAGGCACTATGAGATTTAG	27606	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000439	10_+_53059384_53059404	GAAGGCACTATGAGATTTAGA	27607	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000440	10_+_53059384_53059405	GAAGGCACTATGAGATTTAGAA	27608	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000441	10_+_53059384_53059407	GAAGGCACTATGAGATTTAGAATC	27609	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000442	10_+_53059385_53059405	AAGGCACTATGAGATTTAGAA	27610	hsa-miR-605-3p;Derives_from=MI0003618

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000443	10_+_53059385_53059406	AAGGCACTATGAGATTTAGAAT	27611	hsa-miR-605-3p;Derives_from=MI0003618
NovelMiR_KnownLoci_ID0000444	10_-_56367643_56367664	AACTGTAATTACTTTTGGACCA	27612	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000445	10_-_56367643_56367665	AAACTGTAATTACTTTTGGACCA	27613	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000446	10_-_56367644_56367664	AACTGTAATTACTTTTGGACC	27614	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000447	10_-_56367644_56367665	AAACTGTAATTACTTTTGGACC	27615	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000448	10_-_56367644_56367666	AAAACTGTAATTACTTTTGGACC	27616	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000449	10_-_56367645_56367664	AACTGTAATTACTTTTGGAC	27617	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000450	10_-_56367645_56367665	AAACTGTAATTACTTTTGGAC	27618	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000451	10_-_56367645_56367666	AAAACTGTAATTACTTTTGGAC	27619	hsa-miR-548f-3p;Derives_from=MI0006374
NovelMiR_KnownLoci_ID0000452	10_-_59064252_59064270	ATATGTATATGTGACTGCT	27620	hsa-miR-3924;Derives_from=MI0016432
NovelMiR_KnownLoci_ID0000453	10_-_6194169_6194189	CCAGGCTCTGCAGTGGGAGGT	27621	hsa-miR-3155b;Derives_from=MI0016839
NovelMiR_KnownLoci_ID0000454	10_-_6194170_6194189	CCAGGCTCTGCAGTGGGAGG	27622	hsa-miR-3155b;Derives_from=MI0016839
NovelMiR_KnownLoci_ID0000455	10_+_6194206_6194225	CTTCCCAGGCTCTGCAGTGG	27623	hsa-miR-3155a;Derives_from=MI0014183
NovelMiR_KnownLoci_ID0000456	10_+_6194208_6194229	TCCCAGGCTCTGCAGTGGGAAC	27624	hsa-miR-3155a;Derives_from=MI0014183

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000457	10_+_6194210_6194228	CCAGGCTCTGCAGTGGGAA	27625	hsa-miR-3155a;Derives_from=MI0014183
NovelMiR_KnownLoci_ID0000458	10_+_6194210_6194229	CCAGGCTCTGCAGTGGGAAC	27626	hsa-miR-3155a;Derives_from=MI0014183
NovelMiR_KnownLoci_ID0000459	10_+_6194210_6194231	CCAGGCTCTGCAGTGGGAACTG	27627	hsa-miR-3155a;Derives_from=MI0014183
NovelMiR_KnownLoci_ID0000460	10_+_6194210_6194232	CCAGGCTCTGCAGTGGGAACTGA	27628	hsa-miR-3155a;Derives_from=MI0014183
NovelMiR_KnownLoci_ID0000461	10_+_6194211_6194232	CAGGCTCTGCAGTGGGAACTGA	27629	hsa-miR-3155a;Derives_from=MI0014183
NovelMiR_KnownLoci_ID0000462	10_-_65132726_65132749	AGTGGGGCTTCGACCCTAACCCAG	27630	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000463	10_-_65132727_65132749	AGTGGGGCTTCGACCCTAACCCA	27631	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000464	10_-_65132728_65132749	AGTGGGGCTTCGACCCTAACCC	27632	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000465	10_-_65132728_65132750	GAGTGGGGCTTCGACCCTAACCC	27633	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000466	10_-_65132729_65132749	AGTGGGGCTTCGACCCTAACC	27634	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000467	10_-_65132729_65132751	GGAGTGGGGCTTCGACCCTAACC	27635	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000468	10_-_65132729_65132755	GTGGGGAGTGGGGCTTCGACCCTAACC	27636	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000469	10_-_65132730_65132749	AGTGGGGCTTCGACCCTAAC	27637	hsa-miR-1296-3p;Derives_from=MI0003780

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000470	10_-_65132730_65132751	GGAGTGGGGCTTCGACCCTAAC	27638	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000471	10_-_65132731_65132749	AGTGGGGCTTCGACCCTAA	27639	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000472	10_-_65132731_65132750	GAGTGGGGCTTCGACCCTAA	27640	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000473	10_-_65132731_65132751	GGAGTGGGGCTTCGACCCTAA	27641	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000474	10_-_65132731_65132756	TGTGGGGAGTGGGGCTTCGACCCTAA	27642	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000475	10_-_65132732_65132749	AGTGGGGCTTCGACCCTA	27643	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000476	10_-_65132732_65132756	TGTGGGGAGTGGGGCTTCGACCCTA	27644	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000477	10_-_65132733_65132749	AGTGGGGCTTCGACCCT	27645	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000478	10_-_65132737_65132755	GTGGGGAGTGGGGCTTCGA	27646	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000479	10_-_65132738_65132756	TGTGGGGAGTGGGGCTTCG	27647	hsa-miR-1296-3p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000480	10_-_65132767_65132793	TTAGGGCCCTGGCTCCATCTCCTTTAG	27648	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000481	10_-_65132769_65132792	TAGGGCCCTGGCTCCATCTCCTTT	27649	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000482	10_-_65132769_65132793	TTAGGGCCCTGGCTCCATCTCCTTTT	27650	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000483	10_-_65132770_65132792	TAGGGCCCTGGCTCCATCTCCTT	27651	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000484	10_-_65132770_65132793	TTAGGGCCCTGGCTCCATCTCCTTT	27652	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000485	10_-_65132771_65132792	TAGGGCCCTGGCTCCATCTCCT	27653	hsa-miR-1296-5p;Derives_from=MI0003780

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000486	10_-_65132771_65132793	TTAGGGCCCTGGCTCCATCTCCT	27654	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000487	10_-_65132772_65132792	TAGGGCCCTGGCTCCATCTCC	27655	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000488	10_-_65132773_65132793	TTAGGGCCCTGGCTCCATCTC	27656	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000489	10_-_65132774_65132793	TTAGGGCCCTGGCTCCATCT	27657	hsa-miR-1296-5p;Derives_from=MI0003780
NovelMiR_KnownLoci_ID0000490	10_-_687633_687657	TGTCTTTCCTTGTTGGAGCAGGGAT	27658	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000491	10_-_687634_687657	TGTCTTTCCTTGTTGGAGCAGGGA	27659	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000492	10_-_687635_687656	GTCTTTCCTTGTTGGAGCAGGG	27660	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000493	10_-_687635_687657	TGTCTTTCCTTGTTGGAGCAGGG	27661	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000494	10_-_687636_687657	TGTCTTTCCTTGTTGGAGCAGG	27662	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000495	10_-_687637_687657	TGTCTTTCCTTGTTGGAGCAG	27663	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000496	10_-_687637_687660	TCCTGTCTTTCCTTGTTGGAGCAG	27664	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000497	10_-_687638_687657	TGTCTTTCCTTGTTGGAGCA	27665	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000498	10_-_687638_687658	CTGTCTTTCCTTGTTGGAGCA	27666	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000499	10_-_687638_687660	TCCTGTCTTTCCTTGTTGGAGCA	27667	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000500	10_-_687639_687657	TGTCTTTCCTTGTTGGAGC	27668	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000501	10_-_687639_687658	CTGTCTTTCCTTGTTGGAGC	27669	hsa-miR-5699-3p;Derives_from=MI0019306

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000502	10_-_687640_687657	TGTCTTTCCTTGTTGGAG	27670	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000503	10_-_687640_687660	TCCTGTCTTTCCTTGTTGGAG	27671	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000504	10_-_687645_687666	CTGGCCTCCTGTCTTTCCTTGT	27672	hsa-miR-5699-3p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000505	10_-_687682_687702	ACAAGGAAGGACAAGAGGTGT	27673	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000506	10_-_687682_687706	CCCAACAAGGAAGGACAAGAGGTGT	27674	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000507	10_-_687682_687709	TGCCCCAACAAGGAAGGACAAGAGGTGT	27675	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000508	10_-_687683_687702	ACAAGGAAGGACAAGAGGTG	27676	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000509	10_-_687684_687702	ACAAGGAAGGACAAGAGGT	27677	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000510	10_-_687686_687709	TGCCCCAACAAGGAAGGACAAGAG	27678	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000511	10_-_687687_687707	CCCCAACAAGGAAGGACAAGA	27679	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000512	10_-_687687_687709	TGCCCCAACAAGGAAGGACAAGA	27680	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000513	10_-_687689_687709	TGCCCCAACAAGGAAGGACAA	27681	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000514	10_-_687690_687709	TGCCCCAACAAGGAAGGACA	27682	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000515	10_-_687691_687709	TGCCCCAACAAGGAAGGAC	27683	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000516	10_-_687692_687709	TGCCCCAACAAGGAAGGA	27684	hsa-miR-5699-5p;Derives_from=MI0019306
NovelMiR_KnownLoci_ID0000517	10_-_69163105_69163130	CCTACAGGCTGGAATGGGCTCAAAGC	27685	hsa-miR-7151-3p;Derives_from=MI0023611

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000518	10_-_69163107_69163130	CCTACAGGCTGGAATGGGCTCAAA	27686	hsa-miR-7151-3p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000519	10_-_69163108_69163130	CCTACAGGCTGGAATGGGCTCAA	27687	hsa-miR-7151-3p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000520	10_-_69163109_69163130	CCTACAGGCTGGAATGGGCTCA	27688	hsa-miR-7151-3p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000521	10_-_69163110_69163130	CCTACAGGCTGGAATGGGCTC	27689	hsa-miR-7151-3p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000522	10_-_69163111_69163130	CCTACAGGCTGGAATGGGCT	27690	hsa-miR-7151-3p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000523	10_-_69163142_69163168	GATCCATCTCTGCCTGTATTGGCTTGG	27691	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000524	10_-_69163144_69163168	GATCCATCTCTGCCTGTATTGGCTT	27692	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000525	10_-_69163145_69163165	CCATCTCTGCCTGTATTGGCT	27693	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000526	10_-_69163145_69163168	GATCCATCTCTGCCTGTATTGGCT	27694	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000527	10_-_69163147_69163168	GATCCATCTCTGCCTGTATTGG	27695	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000528	10_-_69163148_69163168	GATCCATCTCTGCCTGTATTG	27696	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000529	10_-_69163149_69163168	GATCCATCTCTGCCTGTATT	27697	hsa-miR-7151-5p;Derives_from=MI0023611
NovelMiR_KnownLoci_ID0000530	10_+_70519091_70519118	GAGCCTGGAAGCTGGAGCCTGCAGTGAA	27698	hsa-miR-1254;Derives_from=MI0006388
NovelMiR_KnownLoci_ID0000531	10_+_70519092_70519118	AGCCTGGAAGCTGGAGCCTGCAGTGAA	27699	hsa-miR-1254;Derives_from=MI0006388
NovelMiR_KnownLoci_ID0000532	10_+_70519092_70519119	AGCCTGGAAGCTGGAGCCTGCAGTGAAC	27700	hsa-miR-1254;Derives_from=MI0006388
NovelMiR_KnownLoci_ID0000533	10_+_73550502_73550521	ACTTTCCTGTCCTCCAACCA	27701	hsa-miR-7152-5p;Derives_from=MI0023612

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000534	10_+_73550502_73550522	ACTTTCCTGTCCTCCAACCAG	27702	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000535	10_+_73550502_73550523	ACTTTCCTGTCCTCCAACCAGA	27703	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000536	10_+_73550502_73550524	ACTTTCCTGTCCTCCAACCAGAC	27704	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000537	10_+_73550502_73550525	ACTTTCCTGTCCTCCAACCAGACC	27705	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000538	10_+_73550503_73550523	CTTTCCTGTCCTCCAACCAGA	27706	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000539	10_+_73550504_73550528	TTTCCTGTCCTCCAACCAGACCATG	27707	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000540	10_+_73550505_73550523	TTCCTGTCCTCCAACCAGA	27708	hsa-miR-7152-5p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000541	10_+_73550538_73550554	TCTGGTCCTGGACAGGA	27709	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000542	10_+_73550538_73550555	TCTGGTCCTGGACAGGAG	27710	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000543	10_+_73550538_73550556	TCTGGTCCTGGACAGGAGG	27711	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000544	10_+_73550538_73550558	TCTGGTCCTGGACAGGAGGCC	27712	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000545	10_+_73550538_73550559	TCTGGTCCTGGACAGGAGGCCG	27713	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000546	10_+_73550538_73550560	TCTGGTCCTGGACAGGAGGCCGC	27714	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000547	10_+_73550538_73550561	TCTGGTCCTGGACAGGAGGCCGCT	27715	hsa-miR-7152-3p;Derives_from=MI0023612
NovelMiR_KnownLoci_ID0000548	10_+_74480792_74480814	GAAAGAGCCAGTGGTGAGACAGT	27716	hsa-miR-4676-5p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000549	10_+_74480795_74480815	AGAGCCAGTGGTGAGACAGTG	27717	hsa-miR-4676-5p;Derives_from=MI0017307

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000550	10_+_74480795_74480816	AGAGCCAGTGGTGAGACAGTGA	27718	hsa-miR-4676-5p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000551	10_+_74480796_74480815	GAGCCAGTGGTGAGACAGTG	27719	hsa-miR-4676-5p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000552	10_+_74480796_74480817	GAGCCAGTGGTGAGACAGTGAG	27720	hsa-miR-4676-5p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000553	10_+_74480796_74480818	GAGCCAGTGGTGAGACAGTGAGT	27721	hsa-miR-4676-5p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000554	10_+_74480796_74480819	GAGCCAGTGGTGAGACAGTGAGTT	27722	hsa-miR-4676-5p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000555	10_+_74480827_74480848	TCTCACTGTTTCACCACTGGCT	27723	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000556	10_+_74480830_74480848	CACTGTTTCACCACTGGCT	27724	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000557	10_+_74480830_74480849	CACTGTTTCACCACTGGCTC	27725	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000558	10_+_74480830_74480850	CACTGTTTCACCACTGGCTCT	27726	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000559	10_+_74480830_74480852	CACTGTTTCACCACTGGCTCTTT	27727	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000560	10_+_74480830_74480853	CACTGTTTCACCACTGGCTCTTTG	27728	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000561	10_+_74480830_74480854	CACTGTTTCACCACTGGCTCTTTGG	27729	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000562	10_+_74480831_74480848	ACTGTTTCACCACTGGCT	27730	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000563	10_+_74480831_74480850	ACTGTTTCACCACTGGCTCT	27731	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000564	10_+_74480831_74480851	ACTGTTTCACCACTGGCTCTT	27732	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000565	10_+_74480831_74480852	ACTGTTTCACCACTGGCTCTTT	27733	hsa-miR-4676-3p;Derives_from=MI0017307

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000566	10_+_74480831_74480853	ACTGTTTCACCACTGGCTCTTTG	27734	hsa-miR-4676-3p;Derives_from=MI0017307
NovelMiR_KnownLoci_ID0000567	10_+_77312270_77312285	CATAGTAAACTACTGA	27735	hsa-miR-606;Derives_from=MI0003619
NovelMiR_KnownLoci_ID0000568	10_+_77312270_77312287	CATAGTAAACTACTGAAA	27736	hsa-miR-606;Derives_from=MI0003619
NovelMiR_KnownLoci_ID0000569	10_-_88024498_88024520	CCCGCATGCCTGCCTCTCTGTTG	27737	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000570	10_-_88024502_88024526	TGTCTGCCCGCATGCCTGCCTCTCT	27738	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000571	10_-_88024503_88024526	TGTCTGCCCGCATGCCTGCCTCTC	27739	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000572	10_-_88024503_88024528	TCTGTCTGCCCGCATGCCTGCCTCTC	27740	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000573	10_-_88024504_88024525	GTCTGCCCGCATGCCTGCCTCT	27741	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000574	10_-_88024505_88024526	TGTCTGCCCGCATGCCTGCCTC	27742	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000575	10_-_88024505_88024528	TCTGTCTGCCCGCATGCCTGCCTC	27743	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000576	10_-_88024506_88024526	TGTCTGCCCGCATGCCTGCCT	27744	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000577	10_-_88024508_88024526	TGTCTGCCCGCATGCCTGC	27745	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000578	10_-_88024509_88024526	TGTCTGCCCGCATGCCTG	27746	hsa-miR-346;Derives_from=MI0000826
NovelMiR_KnownLoci_ID0000579	10_+_89263647_89263666	AAGGTATTGTTCAGACTTAT	27747	hsa-miR-4678;Derives_from=MI0017309
NovelMiR_KnownLoci_ID0000580	10_+_89263647_89263667	AAGGTATTGTTCAGACTTATG	27748	hsa-miR-4678;Derives_from=MI0017309
NovelMiR_KnownLoci_ID0000581	10_+_89263647_89263670	AAGGTATTGTTCAGACTTATGATT	27749	hsa-miR-4678;Derives_from=MI0017309

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000582	10_+_89263650_89263667	GTATTGTTCAGACTTATG	27750	hsa-miR-4678;Derives_from=MI0017309
NovelMiR_KnownLoci_ID0000583	10_-_91352509_91352535	AGCAGCATTGTACAGGGCTATCAAAGC	27751	hsa-miR-107;Derives_from=MI0000114
NovelMiR_KnownLoci_ID0000584	10_-_91352511_91352535	AGCAGCATTGTACAGGGCTATCAAA	27752	hsa-miR-107;Derives_from=MI0000114
NovelMiR_KnownLoci_ID0000585	10_-_91352512_91352535	AGCAGCATTGTACAGGGCTATCAA	27753	hsa-miR-107;Derives_from=MI0000114
NovelMiR_KnownLoci_ID0000586	10_-_91352514_91352531	GCATTGTACAGGGCTATC	27754	hsa-miR-107;Derives_from=MI0000114
NovelMiR_KnownLoci_ID0000587	10_-_91352514_91352535	AGCAGCATTGTACAGGGCTATC	27755	hsa-miR-107;Derives_from=MI0000114
NovelMiR_KnownLoci_ID0000588	10_-_97824073_97824097	GCCCTAGTCTAGCTGAAGCTTTTCC	27756	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000589	10_-_97824074_97824098	TGCCCTAGTCTAGCTGAAGCTTTTC	27757	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000590	10_-_97824074_97824099	CTGCCCTAGTCTAGCTGAAGCTTTTC	27758	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000591	10_-_97824076_97824098	TGCCCTAGTCTAGCTGAAGCTTT	27759	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000592	10_-_97824077_97824098	TGCCCTAGTCTAGCTGAAGCTT	27760	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000593	10_-_97824077_97824099	CTGCCCTAGTCTAGCTGAAGCTT	27761	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000594	10_-_97824078_97824098	TGCCCTAGTCTAGCTGAAGCT	27762	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000595	10_-_97824078_97824100	ACTGCCCTAGTCTAGCTGAAGCT	27763	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000596	10_-_97824079_97824098	TGCCCTAGTCTAGCTGAAGC	27764	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000597	10_-_97824079_97824099	CTGCCCTAGTCTAGCTGAAGC	27765	hsa-miR-3157-3p;Derives_from=MI0014185

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000598	10_-_97824079_97824100	ACTGCCCTAGTCTAGCTGAAGC	27766	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000599	10_-_97824079_97824102	TGACTGCCCTAGTCTAGCTGAAGC	27767	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000600	10_-_97824080_97824099	CTGCCCTAGTCTAGCTGAAG	27768	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000601	10_-_97824085_97824105	TGATGACTGCCCTAGTCTAGC	27769	hsa-miR-3157-3p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000602	10_-_97824124_97824148	CTTCAGCCAGGCTAGTGCAGTCTGC	27770	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000603	10_-_97824125_97824147	TTCAGCCAGGCTAGTGCAGTCTG	27771	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000604	10_-_97824126_97824146	TCAGCCAGGCTAGTGCAGTCT	27772	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000605	10_-_97824126_97824148	CTTCAGCCAGGCTAGTGCAGTCT	27773	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000606	10_-_97824127_97824147	TTCAGCCAGGCTAGTGCAGTC	27774	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000607	10_-_97824127_97824148	CTTCAGCCAGGCTAGTGCAGTC	27775	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000608	10_-_97824128_97824146	TCAGCCAGGCTAGTGCAGT	27776	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000609	10_-_97824128_97824147	TTCAGCCAGGCTAGTGCAGT	27777	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000610	10_-_97824128_97824148	CTTCAGCCAGGCTAGTGCAGT	27778	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000611	10_-_97824129_97824147	TTCAGCCAGGCTAGTGCAG	27779	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000612	10_-_97824129_97824148	CTTCAGCCAGGCTAGTGCAG	27780	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000613	10_-_97824131_97824148	CTTCAGCCAGGCTAGTGC	27781	hsa-miR-3157-5p;Derives_from=MI0014185

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000614	10_-_97824131_97824149	GCTTCAGCCAGGCTAGTGC	27782	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000615	10_-_97824131_97824152	AGGGCTTCAGCCAGGCTAGTGC	27783	hsa-miR-3157-5p;Derives_from=MI0014185
NovelMiR_KnownLoci_ID0000616	10_-_98588435_98588452	CAGATCTATAACTTGTGT	27784	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000617	10_-_98588435_98588453	CCAGATCTATAACTTGTGT	27785	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000618	10_-_98588435_98588454	TCCAGATCTATAACTTGTGT	27786	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000619	10_-_98588436_98588457	AAATCCAGATCTATAACTTGTG	27787	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000620	10_-_98588437_98588457	AAATCCAGATCTATAACTTGT	27788	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000621	10_-_98588437_98588458	CAAATCCAGATCTATAACTTGT	27789	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000622	10_-_98588438_98588458	CAAATCCAGATCTATAACTTG	27790	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000623	10_-_98588440_98588461	GTTCAAATCCAGATCTATAACT	27791	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000624	10_-_98588441_98588460	TTCAAATCCAGATCTATAAC	27792	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000625	10_-_98588441_98588462	GGTTCAAATCCAGATCTATAAC	27793	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000626	10_-_98588444_98588464	TGGGTTCAAATCCAGATCTAT	27794	hsa-miR-607;Derives_from=MI0003620
NovelMiR_KnownLoci_ID0000627	1_+_10027448_10027468	TCAAGTAGTTTCATGATAAAG	27795	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000628	1_+_10027448_10027470	TCAAGTAGTTTCATGATAAAGGG	27796	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000629	1_+_10027448_10027471	TCAAGTAGTTTCATGATAAAGGGT	27797	hsa-miR-5697;Derives_from=MI0019304

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000630	1_+_10027450_10027467	AAGTAGTTTCATGATAAA	27798	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000631	1_+_10027450_10027469	AAGTAGTTTCATGATAAAGG	27799	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000632	1_+_10027450_10027470	AAGTAGTTTCATGATAAAGGG	27800	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000633	1_+_10027450_10027471	AAGTAGTTTCATGATAAAGGGT	27801	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000634	1_+_10027450_10027472	AAGTAGTTTCATGATAAAGGGTG	27802	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000635	1_+_10027450_10027473	AAGTAGTTTCATGATAAAGGGTGT	27803	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000636	1_+_10027450_10027474	AAGTAGTTTCATGATAAAGGGTGTA	27804	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000637	1_+_10027450_10027475	AAGTAGTTTCATGATAAAGGGTGTAT	27805	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000638	1_+_10027451_10027473	AGTAGTTTCATGATAAAGGGTGT	27806	hsa-miR-5697;Derives_from=MI0019304
NovelMiR_KnownLoci_ID0000639	1_+_100746813_100746832	AAACGGTGAGATTTTGTTTT	27807	hsa-miR-553;Derives_from=MI0003558
NovelMiR_KnownLoci_ID0000640	1_+_108439898_108439916	CATATGTATGTAGTAGTCA	27808	hsa-miR-7852-3p;Derives_from=MI0025522
NovelMiR_KnownLoci_ID0000641	1_+_108439902_108439923	TGTATGTAGTAGTCAAAGGCAT	27809	hsa-miR-7852-3p;Derives_from=MI0025522
NovelMiR_KnownLoci_ID0000642	1_+_108439910_108439931	GTAGTCAAAGGCATTTACATAC	27810	hsa-miR-7852-3p;Derives_from=MI0025522
NovelMiR_KnownLoci_ID0000643	11_-_101390562_101390584	TGATTATCTTAACTCTCTGACCC	27811	hsa-miR-3920;Derives_from=MI0016427
NovelMiR_KnownLoci_ID0000644	11_-_101390563_101390584	TGATTATCTTAACTCTCTGACC	27812	hsa-miR-3920;Derives_from=MI0016427
NovelMiR_KnownLoci_ID0000645	11_-_101390563_101390586	ACTGATTATCTTAACTCTCTGACC	27813	hsa-miR-3920;Derives_from=MI0016427

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000646	11_-_101390564_101390586	ACTGATTATCTTAACTCTCTGAC	27814	hsa-miR-3920;Derives_from=MI0016427
NovelMiR_KnownLoci_ID0000647	11_-_101390565_101390585	CTGATTATCTTAACTCTCTGA	27815	hsa-miR-3920;Derives_from=MI0016427
NovelMiR_KnownLoci_ID0000648	11_-_101390566_101390586	ACTGATTATCTTAACTCTCTG	27816	hsa-miR-3920;Derives_from=MI0016427
NovelMiR_KnownLoci_ID0000649	1_+_110141522_110141543	CCGGGTAGAGAGGGCAGTGGGA	27817	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000650	1_+_110141523_110141539	CGGGTAGAGAGGGCAGT	27818	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000651	1_+_110141523_110141540	CGGGTAGAGAGGGCAGTG	27819	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000652	1_+_110141523_110141541	CGGGTAGAGAGGGCAGTGG	27820	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000653	1_+_110141523_110141542	CGGGTAGAGAGGGCAGTGGG	27821	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000654	1_+_110141523_110141543	CGGGTAGAGAGGGCAGTGGGA	27822	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000655	1_+_110141523_110141544	CGGGTAGAGAGGGCAGTGGGAG	27823	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000656	1_+_110141523_110141546	CGGGTAGAGAGGGCAGTGGGAGGT	27824	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000657	1_+_110141523_110141547	CGGGTAGAGAGGGCAGTGGGAGGTA	27825	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000658	1_+_110141523_110141548	CGGGTAGAGAGGGCAGTGGGAGGTAA	27826	hsa-miR-197-5p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000659	1_+_110141562_110141580	TTCACCACCTTCTCCACCC	27827	hsa-miR-197-3p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000660	1_+_110141562_110141581	TTCACCACCTTCTCCACCCA	27828	hsa-miR-197-3p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000661	1_+_110141562_110141582	TTCACCACCTTCTCCACCCAG	27829	hsa-miR-197-3p;Derives_from=MI0000239

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000662	1_+_110141562_110141584	TTCACCACCTTCTCCACCCAGCA	27830	hsa-miR-197-3p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000663	1_+_110141562_110141585	TTCACCACCTTCTCCACCCAGCAT	27831	hsa-miR-197-3p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000664	1_+_110141562_110141586	TTCACCACCTTCTCCACCCAGCATG	27832	hsa-miR-197-3p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000665	1_+_110141563_110141586	TCACCACCTTCTCCACCCAGCATG	27833	hsa-miR-197-3p;Derives_from=MI0000239
NovelMiR_KnownLoci_ID0000666	1_+_1102504_1102520	CATCTTACTGGGCAGCA	27834	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000667	1_+_1102504_1102522	CATCTTACTGGGCAGCATT	27835	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000668	1_+_1102504_1102523	CATCTTACTGGGCAGCATTG	27836	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000669	1_+_1102504_1102524	CATCTTACTGGGCAGCATTGG	27837	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000670	1_+_1102504_1102526	CATCTTACTGGGCAGCATTGGAT	27838	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000671	1_+_1102504_1102527	CATCTTACTGGGCAGCATTGGATG	27839	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000672	1_+_1102504_1102530	CATCTTACTGGGCAGCATTGGATGGAG	27840	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000673	1_+_1102505_1102525	ATCTTACTGGGCAGCATTGGA	27841	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000674	1_+_1102505_1102526	ATCTTACTGGGCAGCATTGGAT	27842	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000675	1_+_1102505_1102527	ATCTTACTGGGCAGCATTGGATG	27843	hsa-miR-200b-5p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000676	1_+_1102540_1102558	TAATACTGCCTGGTAATGA	27844	hsa-miR-200b-3p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000677	1_+_1102540_1102559	TAATACTGCCTGGTAATGAT	27845	hsa-miR-200b-3p;Derives_from=MI0000342

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000678	1_+_1102540_1102560	TAATACTGCCTGGTAATGATG	27846	hsa-miR-200b-3p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000679	1_+_1102540_1102562	TAATACTGCCTGGTAATGATGAC	27847	hsa-miR-200b-3p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000680	1_+_1102540_1102563	TAATACTGCCTGGTAATGATGACG	27848	hsa-miR-200b-3p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000681	1_+_1102541_1102563	AATACTGCCTGGTAATGATGACG	27849	hsa-miR-200b-3p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000682	1_+_1102542_1102564	ATACTGCCTGGTAATGATGACGG	27850	hsa-miR-200b-3p;Derives_from=MI0000342
NovelMiR_KnownLoci_ID0000683	1_+_1103258_1103275	CATCTTACCGGACAGTGC	27851	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000684	1_+_1103258_1103276	CATCTTACCGGACAGTGCT	27852	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000685	1_+_1103258_1103277	CATCTTACCGGACAGTGCTG	27853	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000686	1_+_1103258_1103278	CATCTTACCGGACAGTGCTGG	27854	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000687	1_+_1103258_1103280	CATCTTACCGGACAGTGCTGGAT	27855	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000688	1_+_1103258_1103281	CATCTTACCGGACAGTGCTGGATT	27856	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000689	1_+_1103258_1103283	CATCTTACCGGACAGTGCTGGATTTC	27857	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000690	1_+_1103258_1103284	CATCTTACCGGACAGTGCTGGATTTCC	27858	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000691	1_+_1103258_1103285	CATCTTACCGGACAGTGCTGGATTTCCC	27859	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000692	1_+_1103259_1103276	ATCTTACCGGACAGTGCT	27860	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000693	1_+_1103259_1103278	ATCTTACCGGACAGTGCTGG	27861	hsa-miR-200a-5p;Derives_from=MI0000737

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000694	1_+_1103259_1103280	ATCTTACCGGACAGTGCTGGAT	27862	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000695	1_+_1103259_1103281	ATCTTACCGGACAGTGCTGGATT	27863	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000696	1_+_1103259_1103283	ATCTTACCGGACAGTGCTGGATTTC	27864	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000697	1_+_1103259_1103284	ATCTTACCGGACAGTGCTGGATTTCC	27865	hsa-miR-200a-5p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000698	1_+_1103296_1103313	TAACACTGTCTGGTAACG	27866	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000699	1_+_1103296_1103314	TAACACTGTCTGGTAACGA	27867	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000700	1_+_1103296_1103315	TAACACTGTCTGGTAACGAT	27868	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000701	1_+_1103296_1103316	TAACACTGTCTGGTAACGATG	27869	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000702	1_+_1103296_1103318	TAACACTGTCTGGTAACGATGTT	27870	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000703	1_+_1103296_1103319	TAACACTGTCTGGTAACGATGTTC	27871	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000704	1_+_1103297_1103318	AACACTGTCTGGTAACGATGTT	27872	hsa-miR-200a-3p;Derives_from=MI0000737
NovelMiR_KnownLoci_ID0000705	11_+_103720679_103720700	TCAGAGTGGAATTCACAGTATT	27873	hsa-miR-4693-3p;Derives_from=MI0017326
NovelMiR_KnownLoci_ID0000706	11_+_104123319_104123335	TCTCGTTTGATCTCGGA	27874	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000707	11_+_104123319_104123337	TCTCGTTTGATCTCGGAAG	27875	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000708	11_+_104123319_104123338	TCTCGTTTGATCTCGGAAGC	27876	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000709	11_+_104123319_104123339	TCTCGTTTGATCTCGGAAGCT	27877	hsa-miR-7641;Derives_from=MI0024975

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000710	11_+_104123319_104123340	TCTCGTTTGATCTCGGAAGCTA	27878	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000711	11_+_104123319_104123341	TCTCGTTTGATCTCGGAAGCTAA	27879	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000712	11_+_104123319_104123342	TCTCGTTTGATCTCGGAAGCTAAG	27880	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000713	11_+_104123319_104123343	TCTCGTTTGATCTCGGAAGCTAAG C	27881	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000714	11_+_104123320_104123336	CTCGTTTGATCTCGGAA	27882	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000715	11_+_104123320_104123339	CTCGTTTGATCTCGGAAGCT	27883	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000716	11_+_104123320_104123340	CTCGTTTGATCTCGGAAGCTA	27884	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000717	11_+_104123320_104123341	CTCGTTTGATCTCGGAAGCTAA	27885	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000718	11_+_104123320_104123346	CTCGTTTGATCTCGGAAGCTAAGC AGG	27886	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000719	11_+_104123321_104123338	TCGTTTGATCTCGGAAGC	27887	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000720	11_+_104123321_104123339	TCGTTTGATCTCGGAAGCT	27888	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000721	11_+_104123321_104123341	TCGTTTGATCTCGGAAGCTAA	27889	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000722	11_+_104123321_104123345	TCGTTTGATCTCGGAAGCTAAGCA G	27890	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000723	11_+_104123321_104123348	TCGTTTGATCTCGGAAGCTAAGCA GGGT	27891	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000724	11_+_104123322_104123337	CGTTTGATCTCGGAAG	27892	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000725	11_+_104123322_104123338	CGTTTGATCTCGGAAGC	27893	hsa-miR-7641;Derives_from=MI0024975

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000726	11_+_104123322_104123339	CGTTTGATCTCGGAAGCT	27894	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000727	11_+_104123322_104123342	CGTTTGATCTCGGAAGCTAAG	27895	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000728	11_+_104123322_104123344	CGTTTGATCTCGGAAGCTAAGCA	27896	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000729	11_+_104123322_104123346	CGTTTGATCTCGGAAGCTAAGCAG	27897	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000730	11_+_104123322_104123348	CGTTTGATCTCGGAAGCTAAGCAG GGT	27898	hsa-miR-7641;Derives_from=MI0024975
NovelMiR_KnownLoci_ID0000731	1_+_1104434_1104455	CTAATACTGTCTGGTAAAACCG	27899	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000732	1_+_1104434_1104456	CTAATACTGTCTGGTAAAACCGT	27900	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000733	1_+_1104435_1104452	TAATACTGTCTGGTAAAA	27901	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000734	1_+_1104435_1104453	TAATACTGTCTGGTAAAAC	27902	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000735	1_+_1104435_1104454	TAATACTGTCTGGTAAAACC	27903	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000736	1_+_1104435_1104455	TAATACTGTCTGGTAAAACCG	27904	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000737	1_+_1104435_1104457	TAATACTGTCTGGTAAAACCGTC	27905	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000738	1_+_1104435_1104458	TAATACTGTCTGGTAAAACCGTCC	27906	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000739	1_+_1104435_1104460	TAATACTGTCTGGTAAAACCGTCC AT	27907	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000740	1_+_1104435_1104461	TAATACTGTCTGGTAAAACCGTCC ATC	27908	hsa-miR-429;Derives_from=MI0001641
NovelMiR_KnownLoci_ID0000741	1_+_1104436_1104456	AATACTGTCTGGTAAAACCGT	27909	hsa-miR-429;Derives_from=MI0001641

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000742	11_-_10529818_10529833	GGTACCCTAACTGTGC	27910	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000743	11_-_10529818_10529834	CGGTACCCTAACTGTGC	27911	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000744	11_-_10529818_10529837	CCGCGGTACCCTAACTGTGC	27912	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000745	11_-_10529818_10529838	GCCGCGGTACCCTAACTGTGC	27913	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000746	11_-_10529818_10529839	GGCCGCGGTACCCTAACTGTGC	27914	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000747	11_-_10529818_10529840	CGGCCGCGGTACCCTAACTGTGC	27915	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000748	11_-_10529818_10529843	TAACGGCCGCGGTACCCTAACTGTGC	27916	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000749	11_-_10529819_10529842	AACGGCCGCGGTACCCTAACTGTG	27917	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000750	11_-_10529819_10529843	TAACGGCCGCGGTACCCTAACTGTG	27918	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000751	11_-_10529819_10529844	TTAACGGCCGCGGTACCCTAACTGTG	27919	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000752	11_-_10529820_10529836	CGCGGTACCCTAACTGT	27920	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000753	11_-_10529820_10529838	GCCGCGGTACCCTAACTGT	27921	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000754	11_-_10529820_10529841	ACGGCCGCGGTACCCTAACTGT	27922	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000755	11_-_10529821_10529838	GCCGCGGTACCCTAACTG	27923	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000756	11_-_10529821_10529839	GGCCGCGGTACCCTAACTG	27924	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000757	11_-_10529821_10529840	CGGCCGCGGTACCCTAACTG	27925	hsa-miR-4485;Derives_from=MI0016846

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000758	11_-_10529821_10529844	TTAACGGCCGCGGTACCCTAACTG	27926	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000759	11_-_10529821_10529845	TTTAACGGCCGCGGTACCCTAACTG	27927	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000760	11_-_10529821_10529846	GTTTAACGGCCGCGGTACCCTAACTG	27928	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000761	11_-_10529822_10529838	GCCGCGGTACCCTAACT	27929	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000762	11_-_10529822_10529840	CGGCCGCGGTACCCTAACT	27930	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000763	11_-_10529822_10529841	ACGGCCGCGGTACCCTAACT	27931	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000764	11_-_10529822_10529842	AACGGCCGCGGTACCCTAACT	27932	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000765	11_-_10529822_10529844	TTAACGGCCGCGGTACCCTAACT	27933	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000766	11_-_10529822_10529846	GTTTAACGGCCGCGGTACCCTAACT	27934	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000767	11_-_10529825_10529847	CGTTTAACGGCCGCGGTACCCTA	27935	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000768	11_-_10529825_10529849	TGCGTTTAACGGCCGCGGTACCCTA	27936	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000769	11_-_10529826_10529849	TGCGTTTAACGGCCGCGGTACCCT	27937	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000770	11_-_10529827_10529848	GCGTTTAACGGCCGCGGTACCC	27938	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000771	11_-_10529827_10529849	TGCGTTTAACGGCCGCGGTACCC	27939	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000772	11_-_10529828_10529847	CGTTTAACGGCCGCGGTACC	27940	hsa-miR-4485;Derives_from=MI0016846
NovelMiR_KnownLoci_ID0000773	11_-_10529828_10529849	TGCGTTTAACGGCCGCGGTACC	27941	hsa-miR-4485;Derives_from=MI0016846

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000774	11_+_111218524_111218543	ATTAATGTGGACTGGTGTGA	27942	hsa-miR-4491;Derives_from=MI0016853
NovelMiR_KnownLoci_ID0000775	11_+_111218526_111218549	TAATGTGGACTGGTGTGACCAAAA	27943	hsa-miR-4491;Derives_from=MI0016853
NovelMiR_KnownLoci_ID0000776	11_+_111218527_111218549	AATGTGGACTGGTGTGACCAAAA	27944	hsa-miR-4491;Derives_from=MI0016853
NovelMiR_KnownLoci_ID0000777	11_+_111218527_111218552	AATGTGGACTGGTGTGACCAAAAG TC	27945	hsa-miR-4491;Derives_from=MI0016853
NovelMiR_KnownLoci_ID0000778	11_+_111218529_111218552	TGTGGACTGGTGTGACCAAAAGTC	27946	hsa-miR-4491;Derives_from=MI0016853
NovelMiR_KnownLoci_ID0000779	11_+_111383675_111383698	TAGGCAGTGTCATTAGCTGATTGT	27947	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000780	11_+_111383676_111383692	AGGCAGTGTCATTAGCT	27948	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000781	11_+_111383676_111383695	AGGCAGTGTCATTAGCTGAT	27949	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000782	11_+_111383676_111383696	AGGCAGTGTCATTAGCTGATT	27950	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000783	11_+_111383676_111383697	AGGCAGTGTCATTAGCTGATTG	27951	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000784	11_+_111383676_111383698	AGGCAGTGTCATTAGCTGATTGT	27952	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000785	11_+_111383676_111383699	AGGCAGTGTCATTAGCTGATTGTA	27953	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000786	11_+_111383676_111383700	AGGCAGTGTCATTAGCTGATTGTA C	27954	hsa-miR-34b-5p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000787	11_+_111383712_111383728	CAATCACTAACTCCACT	27955	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000788	11_+_111383712_111383730	CAATCACTAACTCCACTGC	27956	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000789	11_+_111383712_111383732	CAATCACTAACTCCACTGCCA	27957	hsa-miR-34b-3p;Derives_from=MI0000742

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000790	11_+_111383712_111383734	CAATCACTAACTCCACTGCCATC	27958	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000791	11_+_111383712_111383735	CAATCACTAACTCCACTGCCATCA	27959	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000792	11_+_111383712_111383737	CAATCACTAACTCCACTGCCATCAAA	27960	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000793	11_+_111383713_111383730	AATCACTAACTCCACTGC	27961	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000794	11_+_111383713_111383731	AATCACTAACTCCACTGCC	27962	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000795	11_+_111383713_111383732	AATCACTAACTCCACTGCCA	27963	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000796	11_+_111383713_111383733	AATCACTAACTCCACTGCCAT	27964	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000797	11_+_111383713_111383734	AATCACTAACTCCACTGCCATC	27965	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000798	11_+_111383713_111383735	AATCACTAACTCCACTGCCATCA	27966	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000799	11_+_111383713_111383736	AATCACTAACTCCACTGCCATCAA	27967	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000800	11_+_111383714_111383731	ATCACTAACTCCACTGCC	27968	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000801	11_+_111383714_111383734	ATCACTAACTCCACTGCCATC	27969	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000802	11_+_111383714_111383735	ATCACTAACTCCACTGCCATCA	27970	hsa-miR-34b-3p;Derives_from=MI0000742
NovelMiR_KnownLoci_ID0000803	11_+_111384174_111384196	CTAGGCAGTGTAGTTAGCTGATT	27971	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000804	11_+_111384175_111384195	TAGGCAGTGTAGTTAGCTGAT	27972	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000805	11_+_111384175_111384196	TAGGCAGTGTAGTTAGCTGATT	27973	hsa-miR-34c-5p;Derives_from=MI0000743

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000806	11_+_111384175_111384197	TAGGCAGTGTAGTTAGCTGATTG	27974	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000807	11_+_111384176_111384193	AGGCAGTGTAGTTAGCTG	27975	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000808	11_+_111384176_111384194	AGGCAGTGTAGTTAGCTGA	27976	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000809	11_+_111384176_111384195	AGGCAGTGTAGTTAGCTGAT	27977	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000810	11_+_111384176_111384196	AGGCAGTGTAGTTAGCTGATT	27978	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000811	11_+_111384176_111384197	AGGCAGTGTAGTTAGCTGATTG	27979	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000812	11_+_111384176_111384199	AGGCAGTGTAGTTAGCTGATTGCT	27980	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000813	11_+_111384177_111384198	GGCAGTGTAGTTAGCTGATTGC	27981	hsa-miR-34c-5p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000814	11_+_111384209_111384225	AATCACTAACCACACGG	27982	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000815	11_+_111384209_111384227	AATCACTAACCACACGGCC	27983	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000816	11_+_111384209_111384228	AATCACTAACCACACGGCCA	27984	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000817	11_+_111384209_111384229	AATCACTAACCACACGGCCAG	27985	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000818	11_+_111384209_111384231	AATCACTAACCACACGGCCAGGT	27986	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000819	11_+_111384209_111384232	AATCACTAACCACACGGCCAGGTA	27987	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000820	11_+_111384209_111384233	AATCACTAACCACACGGCCAGGTA A	27988	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000821	11_+_111384210_111384226	ATCACTAACCACACGGC	27989	hsa-miR-34c-3p;Derives_from=MI0000743

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000822	11_+_111384210_111384229	ATCACTAACCACACGGCCAG	27990	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000823	11_+_111384210_111384230	ATCACTAACCACACGGCCAGG	27991	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000824	11_+_111384210_111384231	ATCACTAACCACACGGCCAGGT	27992	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000825	11_+_111384210_111384232	ATCACTAACCACACGGCCAGGTA	27993	hsa-miR-34c-3p;Derives_from=MI0000743
NovelMiR_KnownLoci_ID0000826	11_-_113320776_113320798	CCACTACTTCACTTGTGAACATT	27994	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000827	11_-_113320777_113320800	TCCCACTACTTCACTTGTGAACAT	27995	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000828	11_-_113320777_113320801	CTCCCACTACTTCACTTGTGAACAT	27996	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000829	11_-_113320778_113320801	CTCCCACTACTTCACTTGTGAACA	27997	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000830	11_-_113320780_113320801	CTCCCACTACTTCACTTGTGAA	27998	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000831	11_-_113320781_113320801	CTCCCACTACTTCACTTGTGA	27999	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000832	11_-_113320782_113320801	CTCCCACTACTTCACTTGTG	28000	hsa-miR-4301;Derives_from=MI0015828
NovelMiR_KnownLoci_ID0000833	11_+_118514729_118514749	ACCTTGGGAATGGGGGTAAGG	28001	hsa-miR-6716-5p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000834	11_+_118514730_118514753	CCTTGGGAATGGGGGTAAGGGCCT	28002	hsa-miR-6716-5p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000835	11_+_118514731_118514751	CTTGGGAATGGGGGTAAGGGC	28003	hsa-miR-6716-5p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000836	11_+_118514733_118514753	TGGGAATGGGGGTAAGGGCCT	28004	hsa-miR-6716-5p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000837	11_+_118514741_118514758	GGGGTAAGGGCCTTCTGA	28005	hsa-miR-6716-5p;Derives_from=MI0022550

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000838	11_+_118514765_118514786	GTCCGAACTCTCCATTCCTCTG	28006	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000839	11_+_118514765_118514787	GTCCGAACTCTCCATTCCTCTGC	28007	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000840	11_+_118514766_118514785	TCCGAACTCTCCATTCCTCT	28008	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000841	11_+_118514766_118514786	TCCGAACTCTCCATTCCTCTG	28009	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000842	11_+_118514766_118514788	TCCGAACTCTCCATTCCTCTGCA	28010	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000843	11_+_118514766_118514789	TCCGAACTCTCCATTCCTCTGCAG	28011	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000844	11_+_118514766_118514790	TCCGAACTCTCCATTCCTCTGCAGA	28012	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000845	11_+_118514766_118514792	TCCGAACTCTCCATTCCTCTGCAGAGC	28013	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000846	11_+_118514767_118514788	CCGAACTCTCCATTCCTCTGCA	28014	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000847	11_+_118514767_118514789	CCGAACTCTCCATTCCTCTGCAG	28015	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000848	11_+_118514767_118514792	CCGAACTCTCCATTCCTCTGCAGAGC	28016	hsa-miR-6716-3p;Derives_from=MI0022550
NovelMiR_KnownLoci_ID0000849	11_+_118781473_118781490	AGGGGCTGGGCGCGCGCC	28017	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000850	11_+_118781473_118781495	AGGGGCTGGGCGCGCGCCAGCCG	28018	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000851	11_+_118781474_118781491	GGGGCTGGGCGCGCGCCA	28019	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000852	11_+_118781474_118781492	GGGGCTGGGCGCGCGCCAG	28020	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000853	11_+_118781474_118781493	GGGGCTGGGCGCGCGCCAGC	28021	hsa-miR-4492;Derives_from=MI0016854

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000854	11_+_118781474_118781495	GGGGCTGGGCGCGCGCCAGCCG	28022	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000855	11_+_118781475_118781491	GGGCTGGGCGCGCCA	28023	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000856	11_+_118781475_118781493	GGGCTGGGCGCGCCAGC	28024	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000857	11_+_118781475_118781495	GGGCTGGGCGCGCCAGCCG	28025	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000858	11_+_118781476_118781491	GGCTGGGCGCGCCA	28026	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000859	11_+_118781476_118781493	GGCTGGGCGCGCCAGC	28027	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000860	11_+_118781476_118781494	GGCTGGGCGCGCCAGCC	28028	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000861	11_+_118781476_118781495	GGCTGGGCGCGCCAGCCG	28029	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000862	11_+_118781476_118781496	GGCTGGGCGCGCCAGCCGG	28030	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000863	11_+_118781477_118781493	GCTGGGCGCGCCAGC	28031	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000864	11_+_118781478_118781495	CTGGGCGCGCCAGCCG	28032	hsa-miR-4492;Derives_from=MI0016854
NovelMiR_KnownLoci_ID0000865	11_+_118889696_118889714	GCCCGTGGCGGGTGCGGGG	28033	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000866	11_+_118889701_118889716	TGGCGGGTGCGGGGGT	28034	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000867	11_+_118889701_118889717	TGGCGGGTGCGGGGGTG	28035	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000868	11_+_118889701_118889719	TGGCGGGTGCGGGGGTGGG	28036	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000869	11_+_118889701_118889721	TGGCGGGTGCGGGGGTGGGAG	28037	hsa-miR-3656;Derives_from=MI0016056

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000870	11_+_118889701_118889723	TGGCGGGTGCGGGGGGTGGGAGGG	28038	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000871	11_+_118889701_118889724	TGGCGGGTGCGGGGGGTGGGAGGGC	28039	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000872	11_+_118889702_118889722	GGCGGGTGCGGGGGGTGGGAGG	28040	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000873	11_+_118889702_118889723	GGCGGGTGCGGGGGGTGGGAGGG	28041	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000874	11_+_118889702_118889724	GGCGGGTGCGGGGGGTGGGAGGGC	28042	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000875	11_+_118889703_118889723	GCGGGTGCGGGGGGTGGGAGGG	28043	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000876	11_+_118889703_118889724	GCGGGTGCGGGGGGTGGGAGGGC	28044	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000877	11_+_118889704_118889723	CGGGTGCGGGGGGTGGGAGGG	28045	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000878	11_+_118889704_118889724	CGGGTGCGGGGGGTGGGAGGGC	28046	hsa-miR-3656;Derives_from=MI0016056
NovelMiR_KnownLoci_ID0000879	11_-_119183657_119183679	TCCCCTTCCTCCCTGCCCAGCGC	28047	hsa-miR-6756-3p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000880	11_-_119183658_119183679	TCCCCTTCCTCCCTGCCCAGGG	28048	hsa-miR-6756-3p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000881	11_-_119183658_119183680	CTCCCCTTCCTCCCTGCCCAGGG	28049	hsa-miR-6756-3p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000882	11_-_119183659_119183680	CTCCCCTTCCTCCCTGCCCAGG	28050	hsa-miR-6756-3p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000883	11_-_119183659_119183681	CCTCCCCTTCCTCCCTGCCCAGG	28051	hsa-miR-6756-3p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000884	11_-_119183660_119183680	CTCCCCTTCCTCCCTGCCCAG	28052	hsa-miR-6756-3p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000885	11_-_119183689_119183713	TGGGGCTGGAGGTGGGGCTGAGGC T	28053	hsa-miR-6756-5p;Derives_from=MI0022601

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000886	11_-_119183690_119183713	TGGGGCTGGAGGTGGGGCTGAGGC	28054	hsa-miR-6756-5p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000887	11_-_119183691_119183713	TGGGGCTGGAGGTGGGGCTGAGG	28055	hsa-miR-6756-5p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000888	11_-_119183691_119183718	TAGGGTGGGGCTGGAGGTGGGGCTGAGG	28056	hsa-miR-6756-5p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000889	11_-_119183695_119183718	TAGGGTGGGGCTGGAGGTGGGGCT	28057	hsa-miR-6756-5p;Derives_from=MI0022601
NovelMiR_KnownLoci_ID0000890	11_-_121970474_121970498	ACGGGTTAGGCTCTTGGGAGCTGCG	28058	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000891	11_-_121970475_121970497	CGGGTTAGGCTCTTGGGAGCTGC	28059	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000892	11_-_121970475_121970498	ACGGGTTAGGCTCTTGGGAGCTGC	28060	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000893	11_-_121970476_121970498	ACGGGTTAGGCTCTTGGGAGCTG	28061	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000894	11_-_121970478_121970498	ACGGGTTAGGCTCTTGGGAGC	28062	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000895	11_-_121970478_121970499	CACGGGTTAGGCTCTTGGGAGC	28063	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000896	11_-_121970478_121970501	TCCACGGGTTAGGCTCTTGGGAGC	28064	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000897	11_-_121970479_121970498	ACGGGTTAGGCTCTTGGGAG	28065	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000898	11_-_121970479_121970499	CACGGGTTAGGCTCTTGGGAG	28066	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000899	11_-_121970479_121970501	TCCACGGGTTAGGCTCTTGGGAG	28067	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000900	11_-_121970480_121970498	ACGGGTTAGGCTCTTGGGA	28068	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000901	11_-_121970482_121970498	ACGGGTTAGGCTCTTGG	28069	hsa-miR-125b-1-3p;Derives_from=MI0000446

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000902	11_-_121970482_121970501	TCCACGGGTTAGGCTCTTGG	28070	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000903	11_-_121970483_121970498	ACGGGTTAGGCTCTTG	28071	hsa-miR-125b-1-3p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000904	11_-_121970512_121970538	TCCCTGAGACCCTAACTTGTGATGTTT	28072	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000905	11_-_121970513_121970538	TCCCTGAGACCCTAACTTGTGATGTT	28073	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000906	11_-_121970514_121970538	TCCCTGAGACCCTAACTTGTGATGT	28074	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000907	11_-_121970515_121970536	CCTGAGACCCTAACTTGTGATG	28075	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000908	11_-_121970515_121970537	CCCTGAGACCCTAACTTGTGATG	28076	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000909	11_-_121970515_121970538	TCCCTGAGACCCTAACTTGTGATG	28077	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000910	11_-_121970516_121970536	CCTGAGACCCTAACTTGTGAT	28078	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000911	11_-_121970516_121970537	CCCTGAGACCCTAACTTGTGAT	28079	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000912	11_-_121970516_121970538	TCCCTGAGACCCTAACTTGTGAT	28080	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000913	11_-_121970517_121970537	CCCTGAGACCCTAACTTGTGA	28081	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000914	11_-_121970517_121970541	CAGTCCCTGAGACCCTAACTTGTGA	28082	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000915	11_-_121970518_121970538	TCCCTGAGACCCTAACTTGTG	28083	hsa-miR-125b-5p;Derives_from=MI0000446
NovelMiR_KnownLoci_ID0000916	11_-_122017225_122017252	CTGTACAGCCTCCTAGCTTTCCTTGGGT	28084	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000917	11_-_122017226_122017252	CTGTACAGCCTCCTAGCTTTCCTTGGG	28085	hsa-let-7a-2-3p;Derives_from=MI0000061

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000918	11_-_122017228_122017252	CTGTACAGCCTCCTAGCTTTCCTTG	28086	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000919	11_-_122017229_122017252	CTGTACAGCCTCCTAGCTTTCCTT	28087	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000920	11_-_122017230_122017252	CTGTACAGCCTCCTAGCTTTCCT	28088	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000921	11_-_122017232_122017252	CTGTACAGCCTCCTAGCTTTC	28089	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000922	11_-_122017232_122017253	ACTGTACAGCCTCCTAGCTTTC	28090	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000923	11_-_122017233_122017252	CTGTACAGCCTCCTAGCTTT	28091	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000924	11_-_122017233_122017253	ACTGTACAGCCTCCTAGCTTT	28092	hsa-let-7a-2-3p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000925	11_-_122017271_122017297	TGAGGTAGTAGGTTGTATAGTTTAGAA	28093	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000926	11_-_122017272_122017297	TGAGGTAGTAGGTTGTATAGTTTAGA	28094	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000927	11_-_122017273_122017293	GTAGTAGGTTGTATAGTTTAG	28095	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000928	11_-_122017273_122017297	TGAGGTAGTAGGTTGTATAGTTTAG	28096	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000929	11_-_122017274_122017294	GGTAGTAGGTTGTATAGTTTA	28097	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000930	11_-_122017274_122017296	GAGGTAGTAGGTTGTATAGTTTA	28098	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000931	11_-_122017274_122017297	TGAGGTAGTAGGTTGTATAGTTTA	28099	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000932	11_-_122017276_122017298	TTGAGGTAGTAGGTTGTATAGTT	28100	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000933	11_-_122017277_122017297	TGAGGTAGTAGGTTGTATAGT	28101	hsa-let-7a-5p;Derives_from=MI0000061

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000934	11_-_122017277_122017298	TTGAGGTAGTAGGTTGTATAGT	28102	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000935	11_-_122017278_122017298	TTGAGGTAGTAGGTTGTATAG	28103	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000936	11_-_122017280_122017297	TGAGGTAGTAGGTTGTAT	28104	hsa-let-7a-5p;Derives_from=MI0000061
NovelMiR_KnownLoci_ID0000937	11_-_122022944_122022969	CAAGCTTGTATCTATAGGTATGTGTC	28105	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000938	11_-_122022946_122022965	CTTGTATCTATAGGTATGTG	28106	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000939	11_-_122022946_122022969	CAAGCTTGTATCTATAGGTATGTG	28107	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000940	11_-_122022947_122022969	CAAGCTTGTATCTATAGGTATGT	28108	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000941	11_-_122022949_122022968	AAGCTTGTATCTATAGGTAT	28109	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000942	11_-_122022949_122022969	CAAGCTTGTATCTATAGGTAT	28110	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000943	11_-_122022950_122022969	CAAGCTTGTATCTATAGGTA	28111	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000944	11_-_122022951_122022969	CAAGCTTGTATCTATAGGT	28112	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000945	11_-_122022952_122022969	CAAGCTTGTATCTATAGG	28113	hsa-miR-100-3p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000946	11_-_122022981_122023004	AACCCGTAGATCCGAACTTGTGGT	28114	hsa-miR-100-5p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000947	11_-_122022982_122023004	AACCCGTAGATCCGAACTTGTGG	28115	hsa-miR-100-5p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000948	11_-_122022984_122023004	AACCCGTAGATCCGAACTTGT	28116	hsa-miR-100-5p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000949	11_-_122022985_122023004	AACCCGTAGATCCGAACTTG	28117	hsa-miR-100-5p;Derives_from=MI0000102

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000950	11_-_122022986_122023004	AACCCGTAGATCCGAACTT	28118	hsa-miR-100-5p;Derives_from=MI0000102
NovelMiR_KnownLoci_ID0000951	11_-_123252147_123252166	AGGCCTTTCCATCTCTGTCT	28119	hsa-miR-4493;Derives_from=MI0016855
NovelMiR_KnownLoci_ID0000952	11_-_123252147_123252169	AGAAGGCCTTTCCATCTCTGTCT	28120	hsa-miR-4493;Derives_from=MI0016855
NovelMiR_KnownLoci_ID0000953	11_-_123252148_123252169	AGAAGGCCTTTCCATCTCTGTC	28121	hsa-miR-4493;Derives_from=MI0016855
NovelMiR_KnownLoci_ID0000954	11_-_123252149_123252170	CAGAAGGCCTTTCCATCTCTGT	28122	hsa-miR-4493;Derives_from=MI0016855
NovelMiR_KnownLoci_ID0000955	11_-_123252149_123252172	TCCAGAAGGCCTTTCCATCTCTGT	28123	hsa-miR-4493;Derives_from=MI0016855
NovelMiR_KnownLoci_ID0000956	11_-_123252150_123252170	CAGAAGGCCTTTCCATCTCTG	28124	hsa-miR-4493;Derives_from=MI0016855
NovelMiR_KnownLoci_ID0000957	11_-_126858359_126858381	TTTCAGAAATACTGGTGTCCCGA	28125	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000958	11_-_126858359_126858383	GATTTCAGAAATACTGGTGTCCCGA	28126	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000959	11_-_126858360_126858380	TTCAGAAATACTGGTGTCCCG	28127	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000960	11_-_126858360_126858382	ATTTCAGAAATACTGGTGTCCCG	28128	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000961	11_-_126858362_126858383	GATTTCAGAAATACTGGTGTCC	28129	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000962	11_-_126858363_126858386	AAGGATTTCAGAAATACTGGTGTC	28130	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000963	11_-_126858364_126858384	GGATTTCAGAAATACTGGTGT	28131	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000964	11_-_126858364_126858386	AAGGATTTCAGAAATACTGGTGT	28132	hsa-miR-3167;Derives_from=MI0014198
NovelMiR_KnownLoci_ID0000965	11_-_126858365_126858387	GAAGGATTTCAGAAATACTGGTG	28133	hsa-miR-3167;Derives_from=MI0014198

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000966	11_+_1277836_1277854	CACGTGGATGACAGTGGAG	28134	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000967	11_+_1277837_1277854	ACGTGGATGACAGTGGAG	28135	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000968	11_+_1277837_1277856	ACGTGGATGACAGTGGAGGC	28136	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000969	11_+_1277837_1277858	ACGTGGATGACAGTGGAGGCCT	28137	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000970	11_+_1277838_1277856	CGTGGATGACAGTGGAGGC	28138	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000971	11_+_1277838_1277857	CGTGGATGACAGTGGAGGCC	28139	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000972	11_+_1277838_1277858	CGTGGATGACAGTGGAGGCCT	28140	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000973	11_+_1277838_1277859	CGTGGATGACAGTGGAGGCCTC	28141	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000974	11_+_1277838_1277861	CGTGGATGACAGTGGAGGCCTCCT	28142	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000975	11_+_1277838_1277862	CGTGGATGACAGTGGAGGCCTCCTG	28143	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000976	11_+_1277840_1277857	TGGATGACAGTGGAGGCC	28144	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000977	11_+_1277840_1277859	TGGATGACAGTGGAGGCCTC	28145	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000978	11_+_1277840_1277861	TGGATGACAGTGGAGGCCTCCT	28146	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000979	11_+_1277840_1277862	TGGATGACAGTGGAGGCCTCCTG	28147	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000980	11_+_1277840_1277863	TGGATGACAGTGGAGGCCTCCTGG	28148	hsa-miR-6744-5p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000981	11_+_1277840_1277864	TGGATGACAGTGGAGGCCTCCTGGA	28149	hsa-miR-6744-5p;Derives_from=MI0022589

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000982	11_+_1277877_1277897	AGGGCCTCTCTTGTCATCCTG	28150	hsa-miR-6744-3p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000983	11_+_1277877_1277899	AGGGCCTCTCTTGTCATCCTGCA	28151	hsa-miR-6744-3p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000984	11_+_1277877_1277900	AGGGCCTCTCTTGTCATCCTGCAG	28152	hsa-miR-6744-3p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000985	11_+_1277878_1277897	GGGCCTCTCTTGTCATCCTG	28153	hsa-miR-6744-3p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000986	11_+_1277878_1277899	GGGCCTCTCTTGTCATCCTGCA	28154	hsa-miR-6744-3p;Derives_from=MI0022589
NovelMiR_KnownLoci_ID0000987	1_-_113004424_113004447	TTATCTGACCTGATGAAGGTCTCC	28155	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000988	1_-_113004425_113004445	ATCTGACCTGATGAAGGTCTC	28156	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000989	1_-_113004425_113004446	TATCTGACCTGATGAAGGTCTC	28157	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000990	1_-_113004425_113004447	TTATCTGACCTGATGAAGGTCTC	28158	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000991	1_-_113004426_113004447	TTATCTGACCTGATGAAGGTCT	28159	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000992	1_-_113004427_113004447	TTATCTGACCTGATGAAGGTC	28160	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000993	1_-_113004428_113004447	TTATCTGACCTGATGAAGGT	28161	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000994	1_-_113004429_113004447	TTATCTGACCTGATGAAGG	28162	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000995	1_-_113004430_113004447	TTATCTGACCTGATGAAG	28163	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000996	1_-_113004431_113004447	TTATCTGACCTGATGAA	28164	hsa-miR-4256;Derives_from=MI0015855
NovelMiR_KnownLoci_ID0000997	11_-_133768396_133768419	GTGACTCCTGCCCCTTGGTCTTCA	28165	hsa-miR-4697-3p;Derives_from=MI0017330

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0000998	11_-_133768400_133768424	TGTCAGTGACTCCTGCCCCTTGGTC	28166	hsa-miR-4697-3p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0000999	11_-_133768401_133768423	GTCAGTGACTCCTGCCCCTTGGT	28167	hsa-miR-4697-3p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001000	11_-_133768402_133768424	TGTCAGTGACTCCTGCCCCTTGG	28168	hsa-miR-4697-3p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001001	11_-_133768403_133768424	TGTCAGTGACTCCTGCCCCTTG	28169	hsa-miR-4697-3p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001002	11_-_133768404_133768424	TGTCAGTGACTCCTGCCCCTT	28170	hsa-miR-4697-3p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001003	11_-_133768440_133768461	CGCAGTCACTGACGTGAAGGGA	28171	hsa-miR-4697-5p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001004	11_-_133768443_133768469	GAAGGGGGCGCAGTCACTGACGTGAAG	28172	hsa-miR-4697-5p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001005	11_-_133768447_133768467	AGGGGGCGCAGTCACTGACGT	28173	hsa-miR-4697-5p;Derives_from=MI0017330
NovelMiR_KnownLoci_ID0001006	11_-_15991099_15991120	GGTAGTGAGTTATCAGCTACAG	28174	hsa-miR-6073;Derives_from=MI0020350
NovelMiR_KnownLoci_ID0001007	11_-_15991100_15991118	TAGTGAGTTATCAGCTACA	28175	hsa-miR-6073;Derives_from=MI0020350
NovelMiR_KnownLoci_ID0001008	1_-_117102655_117102676	ACCGGCAATTACTTTTGCACTA	28176	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001009	1_-_117102656_117102678	AAACCGGCAATTACTTTTGCACT	28177	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001010	1_-_117102658_117102679	AAAACCGGCAATTACTTTTGCA	28178	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001011	1_-_117102658_117102680	AAAAACCGGCAATTACTTTTGCA	28179	hsa-miR-548ac;Derives_from=MI0016762

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001012	1_-_117102658_117102681	CAAAAACCGGCAATTACTTTTGCA	28180	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001013	1_-_117102659_117102680	AAAAACCGGCAATTACTTTTGC	28181	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001014	1_-_117102659_117102681	CAAAAACCGGCAATTACTTTTGC	28182	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001015	1_-_117102660_117102680	AAAAACCGGCAATTACTTTTG	28183	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001016	1_-_117102661_117102681	CAAAAACCGGCAATTACTTTT	28184	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001017	1_-_117102661_117102683	GGCAAAAACCGGCAATTACTTTT	28185	hsa-miR-548ac;Derives_from=MI0016762
NovelMiR_KnownLoci_ID0001018	1_+_117214408_117214432	GAAAAGCTGGGTTGAGAGGGCAAAC	28186	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001019	1_+_117214409_117214432	AAAAGCTGGGTTGAGAGGGCAAAC	28187	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001020	1_+_117214409_117214433	AAAAGCTGGGTTGAGAGGGCAAACA	28188	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001021	1_+_117214409_117214434	AAAAGCTGGGTTGAGAGGGCAAACAA	28189	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001022	1_+_117214409_117214435	AAAAGCTGGGTTGAGAGGGCAAACAAA	28190	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001023	1_+_117214409_117214436	AAAAGCTGGGTTGAGAGGGCAAACAAAT	28191	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001024	1_+_117214410_117214432	AAAGCTGGGTTGAGAGGGCAAAC	28192	hsa-miR-320b;Derives_from=MI0003776

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001025	1_+_117214410_117214433	AAAGCTGGGTTGAGAGGGCAAACA	28193	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001026	1_+_117214410_117214435	AAAGCTGGGTTGAGAGGGCAAACAAA	28194	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001027	1_+_117214411_117214432	AAGCTGGGTTGAGAGGGCAAAC	28195	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001028	1_+_117214411_117214435	AAGCTGGGTTGAGAGGGCAAACAAA	28196	hsa-miR-320b;Derives_from=MI0003776
NovelMiR_KnownLoci_ID0001029	1_+_117637277_117637294	TCTTCTCTGTTTTGGCCA	28197	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001030	1_+_117637277_117637295	TCTTCTCTGTTTTGGCCAT	28198	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001031	1_+_117637277_117637296	TCTTCTCTGTTTTGGCCATG	28199	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001032	1_+_117637277_117637297	TCTTCTCTGTTTTGGCCATGT	28200	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001033	1_+_117637277_117637299	TCTTCTCTGTTTTGGCCATGTGT	28201	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001034	1_+_117637277_117637300	TCTTCTCTGTTTTGGCCATGTGTG	28202	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001035	1_+_117637278_117637299	CTTCTCTGTTTTGGCCATGTGT	28203	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001036	1_+_117637279_117637299	TTCTCTGTTTTGGCCATGTGT	28204	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001037	1_+_117637279_117637300	TTCTCTGTTTTGGCCATGTGTG	28205	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001038	1_+_117637279_117637301	TTCTCTGTTTTGGCCATGTGTGT	28206	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001039	1_+_117637280_117637300	TCTCTGTTTTGGCCATGTGTG	28207	hsa-miR-942-5p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001040	1_+_117637316_117637337	ACACATGGCCGAAACAGAGAAG	28208	hsa-miR-942-3p;Derives_from=MI0005767

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001041	1_+_117637316_117637338	ACACATGGCCGAAACAGAGAAGT	28209	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001042	1_+_117637317_117637335	CACATGGCCGAAACAGAGA	28210	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001043	1_+_117637317_117637336	CACATGGCCGAAACAGAGAA	28211	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001044	1_+_117637317_117637337	CACATGGCCGAAACAGAGAAG	28212	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001045	1_+_117637317_117637339	CACATGGCCGAAACAGAGAAGTT	28213	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001046	1_+_117637317_117637340	CACATGGCCGAAACAGAGAAGTTA	28214	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001047	1_+_117637317_117637341	CACATGGCCGAAACAGAGAAGTTAC	28215	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001048	1_+_117637318_117637337	ACATGGCCGAAACAGAGAAG	28216	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001049	1_+_117637318_117637340	ACATGGCCGAAACAGAGAAGTTA	28217	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001050	1_+_117637319_117637338	CATGGCCGAAACAGAGAAGT	28218	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001051	1_+_117637319_117637339	CATGGCCGAAACAGAGAAGTT	28219	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001052	1_+_117637319_117637340	CATGGCCGAAACAGAGAAGTTA	28220	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001053	1_+_117637320_117637340	ATGGCCGAAACAGAGAAGTTA	28221	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001054	1_+_117637322_117637343	GGCCGAAACAGAGAAGTTACTT	28222	hsa-miR-942-3p;Derives_from=MI0005767
NovelMiR_KnownLoci_ID0001055	11_+_18409340_18409362	TCCTAGGATTACAAGTGTCGGCC	28223	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001056	11_+_18409343_18409361	TAGGATTACAAGTGTCGGC	28224	hsa-miR-3159;Derives_from=MI0014188

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001057	11_+_18409343_18409362	TAGGATTACAAGTGTCGGCC	28225	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001058	11_+_18409343_18409363	TAGGATTACAAGTGTCGGCCA	28226	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001059	11_+_18409343_18409365	TAGGATTACAAGTGTCGGCCACG	28227	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001060	11_+_18409343_18409366	TAGGATTACAAGTGTCGGCCACGG	28228	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001061	11_+_18409343_18409367	TAGGATTACAAGTGTCGGCCACGGC	28229	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001062	11_+_18409344_18409362	AGGATTACAAGTGTCGGCC	28230	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001063	11_+_18409344_18409364	AGGATTACAAGTGTCGGCCAC	28231	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001064	11_+_18409345_18409364	GGATTACAAGTGTCGGCCAC	28232	hsa-miR-3159;Derives_from=MI0014188
NovelMiR_KnownLoci_ID0001065	11_+_1901329_1901344	GTGGAGCGTGGAGGAC	28233	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001066	11_+_1901329_1901345	GTGGAGCGTGGAGGACG	28234	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001067	11_+_1901329_1901348	GTGGAGCGTGGAGGACGAGG	28235	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001068	11_+_1901329_1901355	GTGGAGCGTGGAGGACGAGGAGGAGGC	28236	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001069	11_+_1901335_1901353	CGTGGAGGACGAGGAGGAG	28237	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001070	11_+_1901335_1901354	CGTGGAGGACGAGGAGGAGG	28238	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001071	11_+_1901335_1901356	CGTGGAGGACGAGGAGGAGGCC	28239	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001072	11_+_1901337_1901361	TGGAGGACGAGGAGGAGGCCGTCCA	28240	hsa-miR-7847-3p;Derives_from=MI0025517

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001073	11_+_1901340_1901361	AGGACGAGGAGGAGGCCGTCCA	28241	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001074	11_+_1901342_1901361	GACGAGGAGGAGGCCGTCCA	28242	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001075	11_+_1901346_1901361	AGGAGGAGGCCGTCCA	28243	hsa-miR-7847-3p;Derives_from=MI0025517
NovelMiR_KnownLoci_ID0001076	11_-_19781554_19781578	AAATGGACAGGATAACACCTATGTA	28244	hsa-miR-4694-3p;Derives_from=MI0017327
NovelMiR_KnownLoci_ID0001077	11_-_19781556_19781579	CAAATGGACAGGATAACACCTATG	28245	hsa-miR-4694-3p;Derives_from=MI0017327
NovelMiR_KnownLoci_ID0001078	11_-_19781605_19781624	ACATAGGTGTTATCCTATCC	28246	hsa-miR-4694-5p;Derives_from=MI0017327
NovelMiR_KnownLoci_ID0001079	11_-_19781605_19781626	ATACATAGGTGTTATCCTATCC	28247	hsa-miR-4694-5p;Derives_from=MI0017327
NovelMiR_KnownLoci_ID0001080	11_-_2017994_2018016	TGTATGCCCTCACCGCTCAGCCC	28248	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001081	11_-_2017994_2018017	CTGTATGCCCTCACCGCTCAGCCC	28249	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001082	11_-_2017995_2018016	TGTATGCCCTCACCGCTCAGCC	28250	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001083	11_-_2017995_2018017	CTGTATGCCCTCACCGCTCAGCC	28251	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001084	11_-_2017996_2018016	TGTATGCCCTCACCGCTCAGC	28252	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001085	11_-_2017996_2018017	CTGTATGCCCTCACCGCTCAGC	28253	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001086	11_-_2017997_2018016	TGTATGCCCTCACCGCTCAG	28254	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001087	11_-_2017997_2018017	CTGTATGCCCTCACCGCTCAG	28255	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001088	11_-_2017999_2018017	CTGTATGCCCTCACCGCTC	28256	hsa-miR-675-3p;Derives_from=MI0005416

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001089	11_-_2018000_2018017	CTGTATGCCCTCACCGCT	28257	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001090	11_-_2018000_2018020	ACGCTGTATGCCCTCACCGCT	28258	hsa-miR-675-3p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001091	11_-_2018027_2018052	TGGTGCGGAGAGGGCCCACAGTGGAC	28259	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001092	11_-_2018028_2018052	TGGTGCGGAGAGGGCCCACAGTGGA	28260	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001093	11_-_2018029_2018048	GCGGAGAGGGCCCACAGTGG	28261	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001094	11_-_2018029_2018051	GGTGCGGAGAGGGCCCACAGTGG	28262	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001095	11_-_2018029_2018052	TGGTGCGGAGAGGGCCCACAGTGG	28263	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001096	11_-_2018030_2018051	GGTGCGGAGAGGGCCCACAGTG	28264	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001097	11_-_2018031_2018052	TGGTGCGGAGAGGGCCCACAGT	28265	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001098	11_-_2018032_2018052	TGGTGCGGAGAGGGCCCACAG	28266	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001099	11_-_2018032_2018053	CTGGTGCGGAGAGGGCCCACAG	28267	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001100	11_-_2018033_2018051	GGTGCGGAGAGGGCCCACA	28268	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001101	11_-_2018033_2018052	TGGTGCGGAGAGGGCCCACA	28269	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001102	11_-_2018034_2018052	TGGTGCGGAGAGGGCCCAC	28270	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001103	11_-_2018035_2018052	TGGTGCGGAGAGGGCCCA	28271	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001104	11_-_2018036_2018051	GGTGCGGAGAGGGCCC	28272	hsa-miR-675-5p;Derives_from=MI0005416

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001105	11_-_2018041_2018058	AGGGTCTGGTGCGGAGAG	28273	hsa-miR-675-5p;Derives_from=MI0005416
NovelMiR_KnownLoci_ID0001106	1_+_12089216_12089238	AGGGTGGGCGAGGGCGGCTGAGC	28274	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001107	1_+_12089220_12089237	TGGGCGAGGGCGGCTGAG	28275	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001108	1_+_12089220_12089238	TGGGCGAGGGCGGCTGAGC	28276	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001109	1_+_12089220_12089240	TGGGCGAGGGCGGCTGAGCGG	28277	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001110	1_+_12089220_12089242	TGGGCGAGGGCGGCTGAGCGGCT	28278	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001111	1_+_12089220_12089243	TGGGCGAGGGCGGCTGAGCGGCTC	28279	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001112	1_+_12089220_12089244	TGGGCGAGGGCGGCTGAGCGGCTCC	28280	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001113	1_+_12089220_12089246	TGGGCGAGGGCGGCTGAGCGGCTCCAT	28281	hsa-miR-6729-5p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001114	1_+_12089253_12089273	GCCTGCTCATCCCCCTCGCCC	28282	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001115	1_+_12089253_12089278	GCCTGCTCATCCCCCTCGCCCTCTCA	28283	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001116	1_+_12089254_12089274	CCTGCTCATCCCCCTCGCCCT	28284	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001117	1_+_12089254_12089275	CCTGCTCATCCCCCTCGCCCTC	28285	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001118	1_+_12089258_12089280	CTCATCCCCCTCGCCCTCTCAGA	28286	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001119	1_+_12089259_12089280	TCATCCCCCTCGCCCTCTCAGA	28287	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001120	1_+_12089259_12089281	TCATCCCCCTCGCCCTCTCAGAC	28288	hsa-miR-6729-3p;Derives_from=MI0022574

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001121	1_+_12089259_12089282	TCATCCCCCTCGCCCTCTCAGACC	28289	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001122	1_+_12089260_12089279	CATCCCCCTCGCCCTCTCAG	28290	hsa-miR-6729-3p;Derives_from=MI0022574
NovelMiR_KnownLoci_ID0001123	11_+_209341_209360	AAGGGGCAGGGACGGGTGGC	28291	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001124	11_+_209341_209365	AAGGGGCAGGGACGGGTGGCCCCAG	28292	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001125	11_+_209341_209367	AAGGGGCAGGGACGGGTGGCCCCAGGA	28293	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001126	11_+_209342_209362	AGGGGCAGGGACGGGTGGCCC	28294	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001127	11_+_209342_209364	AGGGGCAGGGACGGGTGGCCCCA	28295	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001128	11_+_209342_209365	AGGGGCAGGGACGGGTGGCCCCAG	28296	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001129	11_+_209342_209366	AGGGGCAGGGACGGGTGGCCCCAGG	28297	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001130	11_+_209343_209362	GGGGCAGGGACGGGTGGCCC	28298	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001131	11_+_209343_209364	GGGGCAGGGACGGGTGGCCCCA	28299	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001132	11_+_209343_209365	GGGGCAGGGACGGGTGGCCCCAG	28300	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001133	11_+_209343_209366	GGGGCAGGGACGGGTGGCCCCAGG	28301	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001134	11_+_209346_209367	GCAGGGACGGGTGGCCCCAGGA	28302	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001135	11_+_209350_209368	GGACGGGTGGCCCCAGGAA	28303	hsa-miR-6743-5p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001136	11_+_209380_209405	TGGAGCCGCTCTTCTCCCTGCCCACA	28304	hsa-miR-6743-3p;Derives_from=MI0022588

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001137	11_+_209382_209397	GAGCCGCTCTTCTCCC	28305	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001138	11_+_209382_209400	GAGCCGCTCTTCTCCCTGC	28306	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001139	11_+_209382_209401	GAGCCGCTCTTCTCCCTGCC	28307	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001140	11_+_209382_209402	GAGCCGCTCTTCTCCCTGCCC	28308	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001141	11_+_209382_209403	GAGCCGCTCTTCTCCCTGCCCA	28309	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001142	11_+_209382_209404	GAGCCGCTCTTCTCCCTGCCCAC	28310	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001143	11_+_209382_209405	GAGCCGCTCTTCTCCCTGCCCACA	28311	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001144	11_+_209383_209402	AGCCGCTCTTCTCCCTGCCC	28312	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001145	11_+_209383_209404	AGCCGCTCTTCTCCCTGCCCAC	28313	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001146	11_+_209383_209406	AGCCGCTCTTCTCCCTGCCCACAG	28314	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001147	11_+_209383_209407	AGCCGCTCTTCTCCCTGCCCACAGA	28315	hsa-miR-6743-3p;Derives_from=MI0022588
NovelMiR_KnownLoci_ID0001148	11_-_2155366_2155391	CACTCCTCTCCTCCCGTCTTCTCCTC	28316	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001149	11_-_2155366_2155392	TCACTCCTCTCCTCCCGTCTTCTCCTC	28317	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001150	11_-_2155368_2155391	CACTCCTCTCCTCCCGTCTTCTCC	28318	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001151	11_-_2155369_2155391	CACTCCTCTCCTCCCGTCTTCTC	28319	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001152	11_-_2155369_2155392	TCACTCCTCTCCTCCCGTCTTCTC	28320	hsa-miR-483-3p;Derives_from=MI0002467

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001153	11_-_2155370_2155392	TCACTCCTCTCCTCCCGTCTTCT	28321	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001154	11_-_2155371_2155392	TCACTCCTCTCCTCCCGTCTTC	28322	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001155	11_-_2155373_2155392	TCACTCCTCTCCTCCCGTCT	28323	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001156	11_-_2155374_2155392	TCACTCCTCTCCTCCCGTC	28324	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001157	11_-_2155375_2155392	TCACTCCTCTCCTCCCGT	28325	hsa-miR-483-3p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001158	11_-_2155405_2155431	AGACGGGAGGAAAGAAGGGAGTGGTTC	28326	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001159	11_-_2155405_2155432	AAGACGGGAGGAAAGAAGGGAGTGGTTC	28327	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001160	11_-_2155408_2155431	AGACGGGAGGAAAGAAGGGAGTGG	28328	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001161	11_-_2155409_2155431	AGACGGGAGGAAAGAAGGGACTG	28329	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001162	11_-_2155409_2155432	AAGACGGGAGGAAAGAAGGGAGTG	28330	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001163	11_-_2155410_2155431	AGACGGGAGGAAAGAAGGGAGT	28331	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001164	11_-_2155410_2155432	AAGACGGGAGGAAAGAAGGGAGT	28332	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001165	11_-_2155412_2155432	AAGACGGGAGGAAAGAAGGGA	28333	hsa-miR-483-5p;Derives_from=MI0002467
NovelMiR_KnownLoci_ID0001166	11_+_2194302_2194321	TATCTGCTGGGCTTTCTGGT	28334	hsa-miR-4686;Derives_from=MI0017318
NovelMiR_KnownLoci_ID0001167	11_+_2194302_2194322	TATCTGCTGGGCTTTCTGGTG	28335	hsa-miR-4686;Derives_from=MI0017318
NovelMiR_KnownLoci_ID0001168	11_+_2194302_2194323	TATCTGCTGGGCTTTCTGGTGT	28336	hsa-miR-4686;Derives_from=MI0017318

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001169	1_+_12227061_12227076	CGAGCGCAGCGGAGCC	28337	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001170	1_+_12227061_12227078	CGAGCGCAGCGGAGCCTG	28338	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001171	1_+_12227061_12227079	CGAGCGCAGCGGAGCCTGG	28339	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001172	1_+_12227061_12227080	CGAGCGCAGCGGAGCCTGGA	28340	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001173	1_+_12227061_12227082	CGAGCGCAGCGGAGCCTGGAGA	28341	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001174	1_+_12227061_12227083	CGAGCGCAGCGGAGCCTGGAGAG	28342	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001175	1_+_12227061_12227084	CGAGCGCAGCGGAGCCTGGAGAGA	28343	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001176	1_+_12227062_12227078	GAGCGCAGCGGAGCCTG	28344	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001177	1_+_12227062_12227084	GAGCGCAGCGGAGCCTGGAGAGA	28345	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001178	1_+_12227062_12227086	GAGCGCAGCGGAGCCTGGAGAGAAG	28346	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001179	1_+_12227062_12227088	GAGCGCAGCGGAGCCTGGAGAGAAGGC	28347	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001180	1_+_12227063_12227078	AGCGCAGCGGAGCCTG	28348	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001181	1_+_12227063_12227086	AGCGCAGCGGAGCCTGGAGAGAAG	28349	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001182	1_+_12227064_12227082	GCGCAGCGGAGCCTGGAGA	28350	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001183	1_+_12227064_12227086	GCGCAGCGGAGCCTGGAGAGAAG	28351	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001184	1_+_12227064_12227091	GCGCAGCGGAGCCTGGAGAGAAGGCGCT	28352	hsa-miR-7846-3p;Derives_from=MI0025516

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001185	1_+_12227066_12227083	GCAGCGGAGCCTGGAGAG	28353	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001186	1_+_12227066_12227085	GCAGCGGAGCCTGGAGAGAA	28354	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001187	1_+_12227066_12227093	GCAGCGGAGCCTGGAGAGAAGGCGCTGG	28355	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001188	1_+_12227067_12227082	CAGCGGAGCCTGGAGA	28356	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001189	1_+_12227067_12227088	CAGCGGAGCCTGGAGAGAAGGC	28357	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001190	1_+_12227067_12227089	CAGCGGAGCCTGGAGAGAAGGCG	28358	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001191	1_+_12227068_12227085	AGCGGAGCCTGGAGAGAA	28359	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001192	1_+_12227068_12227087	AGCGGAGCCTGGAGAGAAGG	28360	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001193	1_+_12227068_12227090	AGCGGAGCCTGGAGAGAAGGCGC	28361	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001194	1_+_12227068_12227092	AGCGGAGCCTGGAGAGAAGGCGCTG	28362	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001195	1_+_12227069_12227087	GCGGACCCTGGAGAGAAGC	28363	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001196	1_+_12227069_12227088	GCGGAGCCTGGAGAGAAGGC	28364	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001197	1_+_12227070_12227087	CGGAGCCTGGAGAGAAGG	28365	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001198	1_+_12227070_12227089	CGGAGCCTGGAGAGAAGGCG	28366	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001199	1_+_12227070_12227090	CGGAGCCTGGAGAGAAGGCGC	28367	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001200	1_+_12227070_12227091	CGGAGCCTGGAGAGAAGGCGCT	28368	hsa-miR-7846-3p;Derives_from=MI0025516

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001201	1_+_12227070_12227093	CGGAGCCTGGAGAGAAGGCGCTGG	28369	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001202	1_+_12227075_12227093	CCTGGAGAGAAGGCGCTGG	28370	hsa-miR-7846-3p;Derives_from=MI0025516
NovelMiR_KnownLoci_ID0001203	1_+_12251769_12251792	GGAGGGCAGCGTGGGTGTGGCGGA	28371	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001204	1_+_12251770_12251790	GAGGGCAGCGTGGGTGTGGCG	28372	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001205	1_+_12251770_12251791	GAGGGCAGCGTGGGTGTGGCGG	28373	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001206	1_+_12251770_12251793	GAGGGCAGCGTGGGTGTGGCGGAG	28374	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001207	1_+_12251771_12251792	AGGGCAGCGTGGGTGTGGCGGA	28375	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001208	1_+_12251772_12251798	GGGCAGCGTGGGTGTGGCGGAGGCAGG	28376	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001209	1_+_12251773_12251794	GGCAGCGTGGGTGTGGCGGAGG	28377	hsa-miR-4632-5p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001210	1_+_12251803_12251818	ACCGTTTGCCGCCCCTC	28378	hsa-miR-4632-3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001211	1_+_12251808_12251830	TTGCCGCCCCTCTCGCTGCTCTAG	28379	hsa-miR-4632-3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001212	1_+_12251809_12251826	TGCCGCCCCTCTCGCTGCT	28380	hsa-miR-4632-3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001213	1_+_12251809_12251828	TGCCGCCCCTCTCGCTGCTCT	28381	hsa-miR-4632-3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001214	1_+_12251809_12251829	TGCCGCCCCTCTCGCTGCTCTA	28382	hsa-miR-4632-3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001215	1_+_12251809_12251831	TGCCGCCCCTCTCGCTGCTCTAGA	28383	hsa-miR-4632-3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001216	1_+_12251809_12251832	TGCCGCCCCTCTCGCTGCTCTAGAC	28384	hsa-miR-4632-3p;Derives_from=MI0017259

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001217	1_+_12251809_12251833	TGCCGCCCTCTCGCTGCTCTAGAC C	28385	hsa-miR-4632- 3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001218	1_+_12251810_12251831	GCCGCCCTCTCGCTGCTCTAGA	28386	hsa-miR-4632- 3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001219	1_+_12251812_12251831	CGCCCTCTCGCTGCTCTAGA	28387	hsa-miR-4632- 3p;Derives_from=MI0017259
NovelMiR_KnownLoci_ID0001220	1_-_1231484_1231501	GTCTCCCGCTAGCTGATG	28388	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001221	1_-_1231488_1231509	CTCGCCCTGTCTCCCGCTAGCT	28389	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001222	1_-_1231488_1231510	GCTCGCCCTGTCTCCCGCTAGCT	28390	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001223	1_-_1231488_1231511	TGCTCGCCCTGTCTCCCGCTAGCT	28391	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001224	1_-_1231488_1231512	CTGCTCGCCCTGTCTCCCGCTAGC T	28392	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001225	1_-_1231489_1231509	CTCGCCCTGTCTCCCGCTAGC	28393	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001226	1_-_1231489_1231510	GCTCGCCCTGTCTCCCGCTAGC	28394	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001227	1_-_1231489_1231511	TGCTCGCCCTGTCTCCCGCTAGC	28395	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001228	1_-_1231489_1231512	CTGCTCGCCCTGTCTCCCGCTAGC	28396	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001229	1_-_1231490_1231510	GCTCGCCCTGTCTCCCGCTAG	28397	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001230	1_-_1231490_1231511	TGCTCGCCCTGTCTCCCGCTAG	28398	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001231	1_-_1231491_1231511	TGCTCGCCCTGTCTCCCGCTA	28399	hsa-miR-6726- 3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001232	1_-_1231492_1231509	CTCGCCCTGTCTCCCGCT	28400	hsa-miR-6726- 3p;Derives_from=MI0022571

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001233	1_-_1231493_1231510	GCTCGCCCTGTCTCCCGC	28401	hsa-miR-6726-3p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001234	1_-_1231522_1231547	GGCGGGAGCTGGGGTCTGCAGGTTCG	28402	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001235	1_-_1231523_1231545	CGGGAGCTGGGGTCTGCAGGTTC	28403	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001236	1_-_1231523_1231546	GCGGGAGCTGGGGTCTGCAGGTTC	28404	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001237	1_-_1231524_1231545	CGGGAGCTGGGGTCTGCAGGTT	28405	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001238	1_-_1231524_1231547	GGCGGGAGCTGGGGTCTGCAGGTT	28406	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001239	1_-_1231525_1231546	GCGGGAGCTGGGGTCTGCAGGT	28407	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001240	1_-_1231525_1231547	GGCGGGAGCTGGGGTCTGCAGGT	28408	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001241	1_-_1231525_1231550	GGGGGCGGGAGCTGGGGTCTGCAGGT	28409	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001242	1_-_1231526_1231546	GCGGGAGCTGGGGTCTGCAGG	28410	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001243	1_-_1231527_1231545	CGGGAGCTGGGGTCTGCAG	28411	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001244	1_-_1231527_1231546	GCGGGAGCTGGGGTCTGCAG	28412	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001245	1_-_1231527_1231547	GGCGGGAGCTGGGGTCTGCAG	28413	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001246	1_-_1231527_1231548	GGGCGGGAGCTGGGGTCTGCAG	28414	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001247	1_-_1231528_1231549	GGGGCGGGAGCTGGGGTCTGCA	28415	hsa-miR-6726-5p;Derives_from=MI0022571
NovelMiR_KnownLoci_ID0001248	11_-_23440705_23440723	AGTACAGATCGGATGGGTT	28416	hsa-miR-8054;Derives_from=MI0025890

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001249	1_-_1247878_1247901	TCCTGCCACCTCCTCCGCAGGGCT	28417	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001250	1_-_1247879_1247901	TCCTGCCACCTCCTCCGCAGGGC	28418	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001251	1_-_1247879_1247902	CTCCTGCCACCTCCTCCGCAGGGC	28419	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001252	1_-_1247880_1247901	TCCTGCCACCTCCTCCGCAGGG	28420	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001253	1_-_1247880_1247902	CTCCTGCCACCTCCTCCGCAGGG	28421	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001254	1_-_1247881_1247901	TCCTGCCACCTCCTCCGCAGG	28422	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001255	1_-_1247881_1247902	CTCCTGCCACCTCCTCCGCAGG	28423	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001256	1_-_1247882_1247902	CTCCTGCCACCTCCTCCGCAG	28424	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001257	1_-_1247882_1247904	GGCTCCTGCCACCTCCTCCGCAG	28425	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001258	1_-_1247883_1247901	TCCTGCCACCTCCTCCGCA	28426	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001259	1_-_1247883_1247902	CTCCTGCCACCTCCTCCGCA	28427	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001260	1_-_1247883_1247903	GCTCCTGCCACCTCCTCCGCA	28428	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001261	1_-_1247885_1247904	GGCTCCTGCCACCTCCTCCG	28429	hsa-miR-6727-3p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001262	1_-_1247913_1247933	AGGCGGCTGGGAGCGGCCCTC	28430	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001263	1_-_1247914_1247941	CTCGGGGCAGGCGGCTGGGAGCGGCCCT	28431	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001264	1_-_1247918_1247941	CTCGGGGCAGGCGGCTGGGAGCGG	28432	hsa-miR-6727-5p;Derives_from=MI0022572

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001265	1_-_1247918_1247942	GCTCGGGGCAGGCGGCTGGGAGCG G	28433	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001266	1_-_1247920_1247941	CTCGGGGCAGGCGGCTGGGAGC	28434	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001267	1_-_1247921_1247941	CTCGGGGCAGGCGGCTGGGAG	28435	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001268	1_-_1247922_1247941	CTCGGGGCAGGCGGCTGGGA	28436	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001269	1_-_1247927_1247944	GTGCTCGGGGCAGGCGGC	28437	hsa-miR-6727-5p;Derives_from=MI0022572
NovelMiR_KnownLoci_ID0001270	1_-_12638984_12639005	TGACACCCCATCTGCCCTCAGA	28438	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001271	1_-_12638984_12639006	CTGACACCCCATCTGCCCTCAGA	28439	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001272	1_-_12638985_12639005	TGACACCCCATCTGCCCTCAG	28440	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001273	1_-_12638985_12639006	CTGACACCCCATCTGCCCTCAG	28441	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001274	1_-_12638985_12639007	CCTGACACCCCATCTGCCCTCAG	28442	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001275	1_-_12638986_12639005	TGACACCCCATCTGCCCTCA	28443	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001276	1_-_12638986_12639006	CTGACACCCCATCTGCCCTCA	28444	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001277	1_-_12638986_12639008	CCCTGACACCCCATCTGCCCTCA	28445	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001278	1_-_12638987_12639007	CCTGACACCCCATCTGCCCTC	28446	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001279	1_-_12638987_12639008	CCCTGACACCCCATCTGCCCTC	28447	hsa-miR-6730-3p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001280	1_-_12638988_12639008	CCCTGACACCCCATCTGCCCT	28448	hsa-miR-6730-3p;Derives_from=MI0022575

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001281	1_-_12639018_12639033	GGTTGTCAGAGCTGCG	28449	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001282	1_-_12639018_12639035	GGGGTTGTCAGAGCTGCG	28450	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001283	1_-_12639018_12639036	AGGGGTTGTCAGAGCTGCG	28451	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001284	1_-_12639018_12639037	GAGGGGTTGTCAGAGCTGCG	28452	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001285	1_-_12639020_12639044	AAAGGTGGAGGGGTTGTCAGAGCTG	28453	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001286	1_-_12639021_12639043	AAGGTGGAGGGGTTGTCAGAGCT	28454	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001287	1_-_12639022_12639043	AAGGTGGAGGGGTTGTCAGAGC	28455	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001288	1_-_12639022_12639044	AAAGGTGGAGGGGTTGTCAGAGC	28456	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001289	1_-_12639023_12639044	AAAGGTGGAGGGGTTGTCAGAG	28457	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001290	1_-_12639023_12639046	AGAAAGGTGGACCGGTTGTCAGAG	28458	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001291	1_-_12639024_12639043	AAGGTGGAGGGGTTGTCAGA	28459	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001292	1_-_12639024_12639044	AAAGGTGGAGGGGTTGTCAGA	28460	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001293	1_-_12639024_12639045	GAAAGGTGGAGGGGTTGTCAGA	28461	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001294	1_-_12639025_12639044	AAAGGTGGAGGGGTTGTCAG	28462	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001295	1_-_12639025_12639046	AGAAAGGTGGAGGGGTTGTCAG	28463	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001296	1_-_12639026_12639044	AAAGGTGGAGGGGTTGTCA	28464	hsa-miR-6730-5p;Derives_from=MI0022575

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001297	1_-_12639027_12639044	AAAGGTGGAGGGGTTGTC	28465	hsa-miR-6730-5p;Derives_from=MI0022575
NovelMiR_KnownLoci_ID0001298	1_-_1275026_1275050	GTGTGACCACCGTTCCTGCAGGCC C	28466	hsa-miR-6808-3p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001299	1_-_1275027_1275050	GTGTGACCACCGTTCCTGCAGGCC	28467	hsa-miR-6808-3p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001300	1_-_1275028_1275050	GTGTGACCACCGTTCCTGCAGGC	28468	hsa-miR-6808-3p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001301	1_-_1275029_1275050	GTGTGACCACCGTTCCTGCAGG	28469	hsa-miR-6808-3p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001302	1_-_1275031_1275050	GTGTGACCACCGTTCCTGCA	28470	hsa-miR-6808-3p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001303	1_-_1275032_1275055	TTGCTGTGTGACCACCGTTCCTGC	28471	hsa-miR-6808-3p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001304	1_-_1275056_1275071	TGGGACCATGGGGGCC	28472	hsa-miR-6808-5p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001305	1_-_1275061_1275083	CAGGCAGGGAGGTGGGACCATGG	28473	hsa-miR-6808-5p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001306	1_-_1275065_1275083	CAGGCAGGGAGGTGGGACC	28474	hsa-miR-6808-5p;Derives_from=MI0022653
NovelMiR_KnownLoci_ID0001307	11_+_28078375_28078395	GGTGAGCTAAATGTGTGCTGG	28475	hsa-miR-610;Derives_from=MI0003623
NovelMiR_KnownLoci_ID0001308	11_+_28078377_28078400	TGAGCTAAATGTGTGCTGGGACAC	28476	hsa-miR-610;Derives_from=MI0003623
NovelMiR_KnownLoci_ID0001309	11_+_28078379_28078400	AGCTAAATGTGTGCTGGGACAC	28477	hsa-miR-610;Derives_from=MI0003623
NovelMiR_KnownLoci_ID0001310	11_+_34963392_34963409	CGGTGCTGGGGAGCGGCC	28478	hsa-miR-1343-5p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001311	11_+_34963398_34963416	TGGGGAGCGGCCCCCGGGT	28479	hsa-miR-1343-5p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001312	11_+_34963398_34963418	TGGGGAGCGGCCCCCGGGTGG	28480	hsa-miR-1343-5p;Derives_from=MI0017320

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001313	11_+_34963398_34963420	TGGGGAGCGGCCCCCGGGTGGGC	28481	hsa-miR-1343-5p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001314	11_+_34963434_34963453	CCTCCTGGGGCCCGCACTCT	28482	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001315	11_+_34963434_34963456	CCTCCTGGGGCCCGCACTCTCGC	28483	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001316	11_+_34963434_34963458	CCTCCTGGGGCCCGCACTCTCGCTC	28484	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001317	11_+_34963435_34963452	CTCCTGGGGCCCGCACTC	28485	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001318	11_+_34963435_34963453	CTCCTGGGGCCCGCACTCT	28486	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001319	11_+_34963435_34963454	CTCCTGGGGCCCGCACTCTC	28487	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001320	11_+_34963435_34963455	CTCCTGGGGCCCGCACTCTCG	28488	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001321	11_+_34963435_34963457	CTCCTGGGGCCCGCACTCTCGCT	28489	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001322	11_+_34963435_34963458	CTCCTGGGGCCCGCACTCTCGCTC	28490	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001323	11_+_34963435_34963459	CTCCTGGGGCCCGCACTCTCGCTCT	28491	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001324	11_+_34963435_34963461	CTCCTGGGGCCCGCACTCTCGCTCTGG	28492	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001325	11_+_34963438_34963456	CTGGGGCCCGCACTCTCGC	28493	hsa-miR-1343-3p;Derives_from=MI0017320
NovelMiR_KnownLoci_ID0001326	11_+_3877303_3877321	CAGCCCTCCTCCCGCACCC	28494	hsa-miR-4687-5p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001327	11_+_3877303_3877322	CAGCCCTCCTCCCGCACCCA	28495	hsa-miR-4687-5p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001328	11_+_3877303_3877323	CAGCCCTCCTCCCGCACCCAA	28496	hsa-miR-4687-5p;Derives_from=MI0017319

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001329	11_+_3877303_3877325	CAGCCCTCCTCCCGCACCCAAAC	28497	hsa-miR-4687-5p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001330	11_+_3877303_3877326	CAGCCCTCCTCCCGCACCCAAACT	28498	hsa-miR-4687-5p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001331	11_+_3877304_3877326	AGCCCTCCTCCCGCACCCAAACT	28499	hsa-miR-4687-5p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001332	11_+_3877341_3877357	TTTGGCTGTTGGAGGGG	28500	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001333	11_+_3877341_3877359	TTTGGCTGTTGGAGGGGGC	28501	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001334	11_+_3877341_3877361	TTTGGCTGTTGGAGGGGGCAG	28502	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001335	11_+_3877341_3877362	TTTGGCTGTTGGAGGGGGCAGG	28503	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001336	11_+_3877341_3877365	TTTGGCTGTTGGAGGGGGCAGGCTC	28504	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001337	11_+_3877342_3877358	TTGGCTGTTGGAGGGGG	28505	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001338	11_+_3877342_3877361	TTGGCTGTTGCACGGGGCAC	28506	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001339	11_+_3877342_3877362	TTGGCTGTTGGAGGGGGCAGG	28507	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001340	11_+_3877342_3877363	TTGGCTGTTGGAGGGGGCAGGC	28508	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001341	11_+_3877342_3877365	TTGGCTGTTGGAGGGGGCAGGCTC	28509	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001342	11_+_3877343_3877360	TGGCTGTTGGAGGGGGCA	28510	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001343	11_+_3877343_3877361	TGGCTGTTGGAGGGGGCAG	28511	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001344	11_+_3877343_3877362	TGGCTGTTGGAGGGGGCAGG	28512	hsa-miR-4687-3p;Derives_from=MI0017319

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001345	11_+_3877343_3877364	TGGCTGTTGGAGGGGGCAGGCT	28513	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001346	11_+_3877343_3877365	TGGCTGTTGGAGGGGGCAGGCTC	28514	hsa-miR-4687-3p;Derives_from=MI0017319
NovelMiR_KnownLoci_ID0001347	11_+_43581225_43581245	GTCCCTGAGTGTATGTGGTGA	28515	hsa-miR-670-5p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001348	11_+_43581225_43581246	GTCCCTGAGTGTATGTGGTGAA	28516	hsa-miR-670-5p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001349	11_+_43581225_43581247	GTCCCTGAGTGTATGTGGTGAAC	28517	hsa-miR-670-5p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001350	11_+_43581225_43581248	GTCCCTGAGTGTATGTGGTGAACC	28518	hsa-miR-670-5p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001351	11_+_43581227_43581247	CCCTGAGTGTATGTGGTGAAC	28519	hsa-miR-670-5p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001352	11_+_43581264_43581285	TTTCCTCATATTCATTCAGGAG	28520	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001353	11_+_43581264_43581286	TTTCCTCATATTCATTCAGGAGT	28521	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001354	11_+_43581264_43581287	TTTCCTCATATTCATTCAGGAGTG	28522	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001355	11_+_43581264_43581288	TTTCCTCATATTCATTCAGGAGTGT	28523	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001356	11_+_43581265_43581284	TTCCTCATATTCATTCAGGA	28524	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001357	11_+_43581265_43581287	TTCCTCATATTCATTCAGGAGTG	28525	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001358	11_+_43581265_43581288	TTCCTCATATTCATTCAGGAGTGT	28526	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001359	11_+_43581267_43581287	CCTCATATTCATTCAGGAGTG	28527	hsa-miR-670-3p;Derives_from=MI0003933
NovelMiR_KnownLoci_ID0001360	11_+_43581267_43581288	CCTCATATTCATTCAGGAGTGT	28528	hsa-miR-670-3p;Derives_from=MI0003933

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001361	11_+_43602958_43602982	CTTTTTGCGGTCTGGGCTTGCTGTA	28529	hsa-miR-129-5p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001362	11_+_43602958_43602983	CTTTTTGCGGTCTGGGCTTGCTGTAC	28530	hsa-miR-129-5p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001363	11_+_43602958_43602984	CTTTTTGCGGTCTGGGCTTGCTGTACA	28531	hsa-miR-129-5p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001364	11_+_43602999_43603019	GAAGCCCTTACCCCAAAAAGC	28532	hsa-miR-129-2-3p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001365	11_+_43603000_43603019	AAGCCCTTACCCCAAAAAGC	28533	hsa-miR-129-2-3p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001366	11_+_43603000_43603020	AAGCCCTTACCCCAAAAAGCA	28534	hsa-miR-129-2-3p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001367	11_+_43603000_43603022	AAGCCCTTACCCCAAAAAGCATT	28535	hsa-miR-129-2-3p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001368	11_+_43603000_43603023	AAGCCCTTACCCCAAAAAGCATTT	28536	hsa-miR-129-2-3p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001369	11_+_43603000_43603026	AAGCCCTTACCCCAAAAAGCATTTGCG	28537	hsa-miR-129-2-3p;Derives_from=MI0000473
NovelMiR_KnownLoci_ID0001370	1_+_145584422_145584442	CCTGAGCTGGGTGAGGGCATC	28538	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001371	1_+_145584427_145584447	GCTGGGTGAGGGCATCTGTGG	28539	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001372	1_+_145584427_145584448	GCTGGGTGAGGGCATCTGTGGT	28540	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001373	1_+_145584428_145584444	CTGGGTGAGGGCATCTG	28541	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001374	1_+_145584428_145584445	CTGGGTGAGGGCATCTGT	28542	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001375	1_+_145584428_145584447	CTGGGTGAGGGCATCTGTGG	28543	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001376	1_+_145584428_145584449	CTGGGTGAGGGCATCTGTGGTT	28544	hsa-miR-6736-5p;Derives_from=MI0022581

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001377	1_+_145584428_145584450	CTGGGTGAGGGCATCTGTGGTTT	28545	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001378	1_+_145584429_145584448	TGGGTGAGGGCATCTGTGGT	28546	hsa-miR-6736-5p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001379	1_+_145584460_145584480	CTCAGCTCCTCTCTACCCACA	28547	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001380	1_+_145584460_145584482	CTCAGCTCCTCTCTACCCACAGA	28548	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001381	1_+_145584461_145584479	TCAGCTCCTCTCTACCCAC	28549	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001382	1_+_145584461_145584480	TCAGCTCCTCTCTACCCACA	28550	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001383	1_+_145584461_145584482	TCAGCTCCTCTCTACCCACAGA	28551	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001384	1_+_145584461_145584483	TCAGCTCCTCTCTACCCACAGAG	28552	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001385	1_+_145584461_145584484	TCAGCTCCTCTCTACCCACAGAGT	28553	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001386	1_+_145584461_145584485	TCAGCTCCTCTCTACCCACAGAGTC	28554	hsa-miR-6736-3p;Derives_from=MI0022581
NovelMiR_KnownLoci_ID0001387	11_+_46398005_46398028	GTAGGGGCAGCAGAGGACCTGGGC	28555	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001388	11_+_46398006_46398025	TAGGGGCAGCAGAGGACCTG	28556	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001389	11_+_46398006_46398026	TAGGGGCAGCAGAGGACCTGG	28557	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001390	11_+_46398006_46398028	TAGGGGCAGCAGAGGACCTGGGC	28558	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001391	11_+_46398006_46398029	TAGGGGCAGCAGAGGACCTGGGCC	28559	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001392	11_+_46398006_46398030	TAGGGGCAGCAGAGGACCTGGGCCT	28560	hsa-miR-4688;Derives_from=MI0017321

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001393	11_+_46398006_46398031	TAGGGGCAGCAGAGGACCTGGGCCTG	28561	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001394	11_+_46398006_46398033	TAGGGGCAGCAGAGGACCTGGGCCTGGA	28562	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001395	11_+_46398010_46398031	GGCAGCAGAGGACCTGGGCCTG	28563	hsa-miR-4688;Derives_from=MI0017321
NovelMiR_KnownLoci_ID0001396	11_-_46473359_46473379	AGACTAGAAAGCCCAGGGCAG	28564	hsa-miR-3160-3p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001397	11_-_46473359_46473381	TGAGACTAGAAAGCCCAGGGCAG	28565	hsa-miR-3160-3p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001398	11_+_46473368_46473391	GCTTTCTAGTCTCAGCTCTCCTGA	28566	hsa-miR-3160-5p;Derives_from=MI0014190
NovelMiR_KnownLoci_ID0001399	11_+_46473368_46473392	GCTTTCTAGTCTCAGCTCTCCTGAC	28567	hsa-miR-3160-5p;Derives_from=MI0014190
NovelMiR_KnownLoci_ID0001400	11_-_46473371_46473390	CAGGAGAGCTGAGACTAGAA	28568	hsa-miR-3160-3p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001401	11_-_46473375_46473392	GTCAGGAGAGCTGAGACT	28569	hsa-miR-3160-3p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001402	11_-_46473376_46473392	GTCAGGAGAGCTGAGAC	28570	hsa-miR-3160-3p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001403	11_-_46473400_46473417	TCTCAGCTCTCCTCCAGC	28571	hsa-miR-3160-5p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001404	11_-_46473403_46473426	GCTTTCTAGTCTCAGCTCTCCTCC	28572	hsa-miR-3160-5p;Derives_from=MI0014189
NovelMiR_KnownLoci_ID0001405	11_+_46473404_46473427	GAGGAGAGCTGAGACTAGAAAGCC	28573	hsa-miR-3160-3p;Derives_from=MI0014190
NovelMiR_KnownLoci_ID0001406	11_-_46774672_46774696	TAAAACTTTAAGTGTGCCTAGGAAG	28574	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001407	11_-_46774673_46774696	TAAAACTTTAAGTGTGCCTAGGAA	28575	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001408	11_-_46774674_46774695	AAAACTTTAAGTGTGCCTAGGA	28576	hsa-miR-5582-3p;Derives_from=MI0019138

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001409	11_-_46774674_46774696	TAAAACTTTAAGTGTGCCTAGGA	28577	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001410	11_-_46774675_46774695	AAAACTTTAAGTGTGCCTAGG	28578	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001411	11_-_46774675_46774697	TTAAAACTTTAAGTGTGCCTAGG	28579	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001412	11_-_46774675_46774698	GTTAAAACTTTAAGTGTGCCTAGG	28580	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001413	11_-_46774676_46774696	TAAAACTTTAAGTGTGCCTAG	28581	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001414	11_-_46774676_46774697	TTAAAACTTTAAGTGTGCCTAG	28582	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001415	11_-_46774677_46774697	TTAAAACTTTAAGTGTGCCTA	28583	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001416	11_-_46774677_46774698	GTTAAAACTTTAAGTGTGCCTA	28584	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001417	11_-_46774678_46774698	GTTAAAACTTTAAGTGTGCCT	28585	hsa-miR-5582-3p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001418	11_-_46774720_46774740	GGCACACTTAAAGTTATAGCT	28586	hsa-miR-5582-5p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001419	11_-_46774720_46774741	AGGCACACTTAAAGTTATAGCT	28587	hsa-miR-5582-5p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001420	11_-_46774720_46774742	TAGGCACACTTAAAGTTATAGCT	28588	hsa-miR-5582-5p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001421	11_-_46774721_46774740	GGCACACTTAAAGTTATAGC	28589	hsa-miR-5582-5p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001422	11_-_46774721_46774741	AGGCACACTTAAAGTTATAGC	28590	hsa-miR-5582-5p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001423	11_-_46774722_46774742	TAGGCACACTTAAAGTTATAG	28591	hsa-miR-5582-5p;Derives_from=MI0019138
NovelMiR_KnownLoci_ID0001424	11_-_46774723_46774742	TAGGCACACTTAAAGTTATA	28592	hsa-miR-5582-5p;Derives_from=MI0019138

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001425	11_-_47201165_47201188	CCTGGGTGGAAGAAGGTCTGGTTC	28593	hsa-miR-6745;Derives_from=MI0022590
NovelMiR_KnownLoci_ID0001426	11_-_47201166_47201189	TCCTGGGTGGAAGAAGGTCTGGTT	28594	hsa-miR-6745;Derives_from=MI0022590
NovelMiR_KnownLoci_ID0001427	11_-_47201168_47201187	CTGGGTGGAAGAAGGTCTGG	28595	hsa-miR-6745;Derives_from=MI0022590
NovelMiR_KnownLoci_ID0001428	11_-_47201168_47201188	CCTGGGTGGAAGAAGGTCTGG	28596	hsa-miR-6745;Derives_from=MI0022590
NovelMiR_KnownLoci_ID0001429	11_-_47201168_47201189	TCCTGGGTGGAAGAAGGTCTGG	28597	hsa-miR-6745;Derives_from=MI0022590
NovelMiR_KnownLoci_ID0001430	1_-_147806640_147806655	TGCTGGCATGTTAAGT	28598	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001431	1_-_147806640_147806659	GCTTTGCTGGCATGTTAAGT	28599	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001432	1_-_147806641_147806660	AGCTTTGCTGGCATGTTAAG	28600	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001433	1_-_147806641_147806662	GTAGCTTTGCTGGCATGTTAAG	28601	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001434	1_-_147806642_147806661	TAGCTTTGCTGGCATGTTAA	28602	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001435	1_-_147806644_147806669	CGGGTTTGTAGCTTTGCTGGCATGTT	28603	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001436	1_-_147806644_147806670	ACGGGTTTGTAGCTTTGCTGGCATGTT	28604	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001437	1_-_147806645_147806662	GTAGCTTTGCTGGCATGT	28605	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001438	1_-_147806646_147806671	TACGGGTTTGTAGCTTTGCTGGCATG	28606	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001439	1_-_147806646_147806673	TCTACGGGTTTGTAGCTTTGCTGGCATG	28607	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001440	1_-_147806648_147806671	TACGGGTTTGTAGCTTTGCTGGCA	28608	hsa-miR-5087;Derives_from=MI0017976

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001441	1_-_147806657_147806674	TTCTACGGGTTTGTAGCT	28609	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001442	1_-_147806658_147806674	TTCTACGGGTTTGTAGC	28610	hsa-miR-5087;Derives_from=MI0017976
NovelMiR_KnownLoci_ID0001443	11_+_48118342_48118362	GCTGATAAGAACAGAGGCCCA	28611	hsa-miR-3161;Derives_from=MI0014191
NovelMiR_KnownLoci_ID0001444	11_+_48118342_48118363	GCTGATAAGAACAGAGGCCCAG	28612	hsa-miR-3161;Derives_from=MI0014191
NovelMiR_KnownLoci_ID0001445	11_+_48118342_48118364	GCTGATAAGAACAGAGGCCCAGA	28613	hsa-miR-3161;Derives_from=MI0014191
NovelMiR_KnownLoci_ID0001446	11_+_48118343_48118363	CTGATAAGAACAGAGGCCCAG	28614	hsa-miR-3161;Derives_from=MI0014191
NovelMiR_KnownLoci_ID0001447	11_+_48118343_48118364	CTGATAAGAACAGAGGCCCAGA	28615	hsa-miR-3161;Derives_from=MI0014191
NovelMiR_KnownLoci_ID0001448	11_+_48118343_48118366	CTGATAAGAACAGAGGCCCAGATT	28616	hsa-miR-3161;Derives_from=MI0014191
NovelMiR_KnownLoci_ID0001449	1_+_150464823_150464840	GAGAGGGAGAAAGCTAGA	28617	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001450	1_+_150464825_150464850	GAGGGAGAAAGCTAGAAGCTGAAG AT	28618	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001451	1_+_150464826_150464846	AGGGAGAAAGCTAGAAGCTGA	28619	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001452	1_+_150464826_150464847	AGGGAGAAAGCTAGAAGCTGAA	28620	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001453	1_+_150464826_150464849	AGGGAGAAAGCTAGAAGCTGAAGA	28621	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001454	1_+_150464826_150464850	AGGGAGAAAGCTAGAAGCTGAAGA T	28622	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001455	1_+_150464826_150464851	AGGGAGAAAGCTAGAAGCTGAAGA TT	28623	hsa-miR-6878-5p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001456	1_+_150464860_150464875	CACTAACTGGCCTCTT	28624	hsa-miR-6878-3p;Derives_from=MI0022725

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001457	1_+_150464860_150464886	CACTAACTGGCCTCTTCTTTCTCC TAG	28625	hsa-miR-6878-3p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001458	1_+_150464861_150464888	ACTAACTGGCCTCTTCTTTCTCCT AGGT	28626	hsa-miR-6878-3p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001459	1_+_150464866_150464884	CTGGCCTCTTCTTTCTCCT	28627	hsa-miR-6878-3p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001460	1_+_150464866_150464885	CTGGCCTCTTCTTTCTCCTA	28628	hsa-miR-6878-3p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001461	1_+_150464866_150464887	CTGGCCTCTTCTTTCTCCTAGG	28629	hsa-miR-6878-3p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001462	1_+_150464866_150464888	CTGGCCTCTTCTTTCTCCTAGGT	28630	hsa-miR-6878-3p;Derives_from=MI0022725
NovelMiR_KnownLoci_ID0001463	1_+_150524458_150524481	AGGGCCCAGAGGTGGGGACTGAGC	28631	hsa-miR-4257;Derives_from=MI0015856
NovelMiR_KnownLoci_ID0001464	1_+_150524463_150524481	CCAGAGGTGGGGACTGAGC	28632	hsa-miR-4257;Derives_from=MI0015856
NovelMiR_KnownLoci_ID0001465	1_-_153934823_153934848	TCTGTGCTTCACCCCTACCCAGCT TC	28633	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001466	1_-_153934824_153934848	TCTGTGCTTCACCCCTACCCAGCT T	28634	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001467	1_-_153934825_153934845	GTGCTTCACCCCTACCCAGCT	28635	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001468	1_-_153934825_153934848	TCTGTGCTTCACCCCTACCCAGCT	28636	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001469	1_-_153934826_153934847	CTGTGCTTCACCCCTACCCAGC	28637	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001470	1_-_153934826_153934848	TCTGTGCTTCACCCCTACCCAGC	28638	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001471	1_-_153934827_153934849	CTCTGTGCTTCACCCCTACCCAG	28639	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001472	1_-_153934828_153934848	TCTGTGCTTCACCCCTACCCA	28640	hsa-miR-6737-3p;Derives_from=MI0022582

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001473	1_-_153934829_153934848	TCTGTGCTTCACCCCTACCC	28641	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001474	1_-_153934830_153934848	TCTGTGCTTCACCCCTACC	28642	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001475	1_-_153934832_153934848	TCTGTGCTTCACCCCTA	28643	hsa-miR-6737-3p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001476	1_-_153934866_153934891	TTGGGGTGGTCGGCCCTGGAGGGGGT	28644	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001477	1_-_153934868_153934891	TTGGGGTGGTCGGCCCTGGAGGGG	28645	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001478	1_-_153934870_153934890	TGGGGTGGTCGGCCCTGGAGG	28646	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001479	1_-_153934870_153934891	TTGGGGTGGTCGGCCCTGGAGG	28647	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001480	1_-_153934870_153934892	GTTGGGGTGGTCGGCCCTGGAGG	28648	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001481	1_-_153934870_153934895	TGGGTTGGGGTGGTCGGCCCTGGAGG	28649	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001482	1_-_153934870_153934896	TTGGGTTGGGGTGGTCGGCCCTGGAGG	28650	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001483	1_-_153934871_153934890	TGGGGTGGTCGGCCCTGGAG	28651	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001484	1_-_153934871_153934896	TTGGGTTGGGGTGGTCGGCCCTGGAG	28652	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001485	1_-_153934872_153934896	TTGGGTTGGGGTGGTCGGCCCTGGA	28653	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001486	1_-_153934878_153934897	TTTGGGGTTGGGGTGGTCGGC	28654	hsa-miR-6737-5p;Derives_from=MI0022582
NovelMiR_KnownLoci_ID0001487	1_-_154077034_154077058	GGGGGAGTGCAGTGATTGTGGAATG	28655	hsa-miR-5698;Derives_from=MI0019305
NovelMiR_KnownLoci_ID0001488	1_-_154077034_154077059	TGGGGGAGTGCAGTGATTGTGGAATG	28656	hsa-miR-5698;Derives_from=MI0019305

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001489	1_-_154077036_154077059	TGGGGGAGTGCAGTGATTGTGGAA	28657	hsa-miR-5698;Derives_from=MI0019305
NovelMiR_KnownLoci_ID0001490	1_-_154077037_154077059	TGGGGGAGTGCAGTGATTGTGGA	28658	hsa-miR-5698;Derives_from=MI0019305
NovelMiR_KnownLoci_ID0001491	1_-_154077039_154077059	TGGGGGAGTGCAGTGATTGTG	28659	hsa-miR-5698;Derives_from=MI0019305
NovelMiR_KnownLoci_ID0001492	1_-_154077040_154077059	TGGGGGAGTGCAGTGATTGT	28660	hsa-miR-5698;Derives_from=MI0019305
NovelMiR_KnownLoci_ID0001493	1_-_154077042_154077059	TGGGGGAGTGCAGTGATT	28661	hsa-miR-5698;Derives_from=MI0019305
NovelMiR_KnownLoci_ID0001494	1_-_154166185_154166209	TGATATGTTTGATATTGGGTTGTTT	28662	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001495	1_-_154166186_154166209	TGATATGTTTGATATTGGGTTGTT	28663	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001496	1_-_154166187_154166208	GATATGTTTGATATTGGGTTGT	28664	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001497	1_-_154166187_154166209	TGATATGTTTGATATTGGGTTGT	28665	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001498	1_-_154166188_154166205	ATGTTTGATATTGGGTTG	28666	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001499	1_-_154166188_154166209	TGATATGTTTGATATTGGGTTG	28667	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001500	1_-_154166190_154166209	TGATATGTTTGATATTGGGT	28668	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001501	1_-_154166191_154166209	TGATATGTTTGATATTGGG	28669	hsa-miR-190b;Derives_from=MI0005545
NovelMiR_KnownLoci_ID0001502	1_+_154948173_154948196	CCCCCGCCCCGCCACCGCCTTGGA	28670	hsa-miR-4258;Derives_from=MI0015857
NovelMiR_KnownLoci_ID0001503	1_+_154948175_154948201	CCCGCCCCGCCACCGCCTTGGAGGCTG	28671	hsa-miR-4258;Derives_from=MI0015857
NovelMiR_KnownLoci_ID0001504	1_+_154948180_154948201	CCCGCCACCGCCTTGGAGGCTG	28672	hsa-miR-4258;Derives_from=MI0015857

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001505	1_+_154948186_154948201	ACCGCCTTGGAGGCTG	28673	hsa-miR-4258;Derives_from=MI0015857
NovelMiR_KnownLoci_ID0001506	1_+_155164987_155165002	AGGGACGGGACGCGGT	28674	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001507	1_+_155164987_155165003	AGGGACGGGACGCGGTG	28675	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001508	1_+_155164987_155165004	AGGGACGGGACGCGGTGC	28676	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001509	1_+_155164987_155165005	AGGGACGGGACGCGGTGCA	28677	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001510	1_+_155164987_155165006	AGGGACGGGACGCGGTGCAG	28678	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001511	1_+_155164987_155165007	AGGGACGGGACGCGGTGCAGT	28679	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001512	1_+_155164987_155165009	AGGGACGGGACGCGGTGCAGTGT	28680	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001513	1_+_155164987_155165010	AGGGACGGGACGCGGTGCAGTGTT	28681	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001514	1_+_155164987_155165011	AGGGACGGGACGCGGTGCAGTGTTG	28682	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001515	1_+_155164987_155165012	AGGGACGGCACGCGGTGCAGTGTTGT	28683	hsa-miR-92b-5p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001516	1_+_155165027_155165044	ATATTGCACTCGTCCCGG	28684	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001517	1_+_155165028_155165045	TATTGCACTCGTCCCGGC	28685	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001518	1_+_155165028_155165046	TATTGCACTCGTCCCGGCC	28686	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001519	1_+_155165028_155165047	TATTGCACTCGTCCCGGCCT	28687	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001520	1_+_155165028_155165048	TATTGCACTCGTCCCGGCCTC	28688	hsa-miR-92b-3p;Derives_from=MI0003560

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001521	1_+_155165028_155165050	TATTGCACTCGTCCCGGCCTCCG	28689	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001522	1_+_155165028_155165051	TATTGCACTCGTCCCGGCCTCCGG	28690	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001523	1_+_155165028_155165052	TATTGCACTCGTCCCGGCCTCCGGC	28691	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001524	1_+_155165029_155165050	ATTGCACTCGTCCCGGCCTCCG	28692	hsa-miR-92b-3p;Derives_from=MI0003560
NovelMiR_KnownLoci_ID0001525	1_-_155316150_155316167	TGAACCTCTGATAAAACT	28693	hsa-miR-555;Derives_from=MI0003561
NovelMiR_KnownLoci_ID0001526	1_-_155316156_155316174	GGTAAGCTGAACCTCTGAT	28694	hsa-miR-555;Derives_from=MI0003561
NovelMiR_KnownLoci_ID0001527	1_-_155316157_155316178	ACAGGGTAAGCTGAACCTCTGA	28695	hsa-miR-555;Derives_from=MI0003561
NovelMiR_KnownLoci_ID0001528	1_-_155316159_155316182	GTGGACAGGGTAAGCTGAACCTCT	28696	hsa-miR-555;Derives_from=MI0003561
NovelMiR_KnownLoci_ID0001529	1_-_155316167_155316182	GTGGACAGGGTAAGCT	28697	hsa-miR-555;Derives_from=MI0003561
NovelMiR_KnownLoci_ID0001530	1_-_155921063_155921083	TGCCTGCATTCTACTCCCAGG	28698	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001531	1_-_155921063_155921085	TCTGCCTGCATTCTACTCCCAGG	28699	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001532	1_-_155921063_155921086	TTCTGCCTGCATTCTACTCCCAGG	28700	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001533	1_-_155921063_155921087	CTTCTGCCTGCATTCTACTCCCAGG	28701	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001534	1_-_155921063_155921088	CCTTCTGCCTGCATTCTACTCCCAGG	28702	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001535	1_-_155921064_155921085	TCTGCCTGCATTCTACTCCCAG	28703	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001536	1_-_155921064_155921086	TTCTGCCTGCATTCTACTCCCAG	28704	hsa-miR-6738-3p;Derives_from=MI0022583

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001537	1_-_155921064_155921088	CCTTCTGCCTGCATTCTACTCCCAG	28705	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001538	1_-_155921065_155921087	CTTCTGCCTGCATTCTACTCCCA	28706	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001539	1_-_155921065_155921088	CCTTCTGCCTGCATTCTACTCCCA	28707	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001540	1_-_155921066_155921087	CTTCTGCCTGCATTCTACTCCC	28708	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001541	1_-_155921066_155921088	CCTTCTGCCTGCATTCTACTCCC	28709	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001542	1_-_155921068_155921087	CTTCTGCCTGCATTCTACTC	28710	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001543	1_-_155921069_155921087	CTTCTGCCTGCATTCTACT	28711	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001544	1_-_155921069_155921088	CCTTCTGCCTGCATTCTACT	28712	hsa-miR-6738-3p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001545	1_-_155921097_155921120	AGGGGTAGAAGAGCACACAGGGGTTC	28713	hsa-miR-6738-5p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001546	1_-_155921098_155921120	AGGGGTAGAAGAGCACACAGGGGTT	28714	hsa-miR-6738-5p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001547	1_-_155921099_155921122	CGAGGGGTAGAAGAGCACACAGGGGT	28715	hsa-miR-6738-5p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001548	1_-_155921100_155921120	AGGGGTAGAAGAGCACACAGGGG	28716	hsa-miR-6738-5p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001549	1_-_155921101_155921122	CGAGGGGTAGAAGAGCACACAGGG	28717	hsa-miR-6738-5p;Derives_from=MI0022583
NovelMiR_KnownLoci_ID0001550	1_-_156390140_156390160	TAGATAACCGAAAGTAAAAAT	28718	hsa-miR-9-3p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001551	1_-_156390140_156390166	TAAAGCTAGATAACCGAAAGTAAAAAT	28719	hsa-miR-9-3p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001552	1_-_156390140_156390167	ATAAAGCTAGATAACCGAAAGTAAAAAT	28720	hsa-miR-9-3p;Derives_from=MI0000466

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001553	1_-_156390178_156390193	AGCTGTATGAGTGGTG	28721	hsa-miR-9-5p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001554	1_-_156390178_156390205	CTTTGGTTATCTAGCTGTATGAGT GGTG	28722	hsa-miR-9-5p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001555	1_-_156390179_156390204	TTTGGTTATCTAGCTGTATGAGTG GT	28723	hsa-miR-9-5p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001556	1_-_156390179_156390205	CTTTGGTTATCTAGCTGTATGAGT GGT	28724	hsa-miR-9-5p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001557	1_-_156390179_156390206	TCTTTGGTTATCTAGCTGTATGAG TGGT	28725	hsa-miR-9-5p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001558	1_-_156390180_156390206	TCTTTGGTTATCTAGCTGTATGAG TGG	28726	hsa-miR-9-5p;Derives_from=MI0000466
NovelMiR_KnownLoci_ID0001559	11_+_56511419_56511436	ACTGGAATTGGAGTCAAA	28727	hsa-miR-6128;Derives_from=MI0021272
NovelMiR_KnownLoci_ID0001560	11_+_56511419_56511438	ACTGGAATTGGAGTCAAAAA	28728	hsa-miR-6128;Derives_from=MI0021272
NovelMiR_KnownLoci_ID0001561	11_+_56511419_56511440	ACTGGAATTGGAGTCAAAAATA	28729	hsa-miR-6128;Derives_from=MI0021272
NovelMiR_KnownLoci_ID0001562	11_-_568107_568133	CTGTGCGTGTGACAGCGGCTGATC TGT	28730	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001563	11_-_568110_568133	CTGTGCGTGTGACAGCGGCTGATC	28731	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001564	11_-_568111_568133	CTGTGCGTGTGACAGCGGCTGAT	28732	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001565	11_-_568112_568134	ACTGTGCGTGTGACAGCGGCTGA	28733	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001566	11_-_568113_568133	CTGTGCGTGTGACAGCGGCTG	28734	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001567	11_-_568114_568133	CTGTGCGTGTGACAGCGGCT	28735	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001568	11_-_568115_568133	CTGTGCGTGTGACAGCGGC	28736	hsa-miR-210-3p;Derives_from=MI0000286

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001569	11_-_568116_568133	CTGTGCGTGTGACAGCGG	28737	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001570	11_-_568117_568133	CTGTGCGTGTGACAGCG	28738	hsa-miR-210-3p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001571	11_-_568147_568171	AGCCCCTGCCCACCGCACACTGCG C	28739	hsa-miR-210-5p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001572	11_-_568148_568171	AGCCCCTGCCCACCGCACACTGCG	28740	hsa-miR-210-5p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001573	11_-_568149_568171	AGCCCCTGCCCACCGCACACTGC	28741	hsa-miR-210-5p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001574	11_-_568151_568171	AGCCCCTGCCCACCGCACACT	28742	hsa-miR-210-5p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001575	11_-_568152_568171	AGCCCCTGCCCACCGCACAC	28743	hsa-miR-210-5p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001576	11_-_568153_568171	AGCCCCTGCCCACCGCACA	28744	hsa-miR-210-5p;Derives_from=MI0000286
NovelMiR_KnownLoci_ID0001577	1_-_156905942_156905965	AGGAGAAGGAAGGTGATGAAGGAT	28745	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001578	1_-_156905942_156905968	TGGAGGAGAAGGAAGGTGATGAAG GAT	28746	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001579	1_-_156905944_156905968	TGGAGGAGAAGGAAGGTGATGAAG G	28747	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001580	1_-_156905945_156905968	TGGAGGAGAAGGAAGGTGATGAAG	28748	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001581	1_-_156905946_156905968	TGGAGGAGAAGGAAGGTCATGAA	28749	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001582	1_-_156905946_156905969	CTGGAGGAGAAGGAAGGTGATGAA	28750	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001583	1_-_156905946_156905970	TCTGGAGGAGAAGGAAGGTGATGA A	28751	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001584	1_-_156905947_156905968	TGGAGGAGAAGGAAGGTGATGA	28752	hsa-miR-765;Derives_from=MI0005116

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001585	1_-_156905947_156905969	CTGGAGGAGAAGGAAGGTGATGA	28753	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001586	1_-_156905948_156905967	GGAGGAGAAGGAAGGTGATG	28754	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001587	1_-_156905948_156905969	CTGGAGGAGAAGGAAGGTGATG	28755	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001588	1_-_156905948_156905970	TCTGGAGGAGAAGGAAGGTGATG	28756	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001589	1_-_156905949_156905968	TGGAGGAGAAGGAAGGTGAT	28757	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001590	1_-_156905949_156905969	CTGGAGGAGAAGGAAGGTGAT	28758	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001591	1_-_156905949_156905970	TCTGGAGGAGAAGGAAGGTGAT	28759	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001592	1_-_156905950_156905969	CTGGAGGAGAAGGAAGGTGA	28760	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001593	1_-_156905950_156905970	TCTGGAGGAGAAGGAAGGTGA	28761	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001594	1_-_156905952_156905970	TCTGGAGGAGAAGGAAGGT	28762	hsa-miR-765;Derives_from=MI0005116
NovelMiR_KnownLoci_ID0001595	11_+_57408685_57408702	GCTCTTTTCACATTGTGC	28763	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001596	11_+_57408685_57408703	GCTCTTTTCACATTGTGCT	28764	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001597	11_+_57408685_57408704	GCTCTTTTCACATTGTGCTA	28765	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001598	11_+_57408685_57408705	GCTCTTTTCACATTGTGCTAC	28766	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001599	11_+_57408685_57408706	GCTCTTTTCACATTGTGCTACT	28767	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001600	11_+_57408685_57408707	GCTCTTTTCACATTGTGCTACTG	28768	hsa-miR-130a-5p;Derives_from=MI0000448

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001601	11_+_57408685_57408708	GCTCTTTTCACATTGTGCTACTGT	28769	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001602	11_+_57408685_57408709	GCTCTTTTCACATTGTGCTACTGTC	28770	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001603	11_+_57408686_57408709	CTCTTTTCACATTGTGCTACTGTC	28771	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001604	11_+_57408687_57408709	TCTTTTCACATTGTGCTACTGTC	28772	hsa-miR-130a-5p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001605	11_+_57408725_57408744	CAGTGCAATGTTAAAAGGGC	28773	hsa-miR-130a-3p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001606	11_+_57408725_57408745	CAGTGCAATGTTAAAAGGGCA	28774	hsa-miR-130a-3p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001607	11_+_57408725_57408747	CAGTGCAATGTTAAAAGGGCATT	28775	hsa-miR-130a-3p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001608	11_+_57408725_57408748	CAGTGCAATGTTAAAAGGGCATTG	28776	hsa-miR-130a-3p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001609	11_+_57408725_57408750	CAGTGCAATGTTAAAAGGGCATTGGC	28777	hsa-miR-130a-3p;Derives_from=MI0000448
NovelMiR_KnownLoci_ID0001610	11_-_59362556_59362580	TCCCTACCCCTCCACTCCCCAAAAA	28778	hsa-miR-3162-3p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001611	11_-_59362557_59362580	TCCCTACCCCTCCACTCCCCAAAA	28779	hsa-miR-3162-3p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001612	11_-_59362558_59362580	TCCCTACCCCTCCACTCCCCAAA	28780	hsa-miR-3162-3p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001613	11_-_59362559_59362580	TCCCTACCCCTCCACTCCCCAA	28781	hsa-miR-3162-3p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001614	11_-_59362560_59362581	CTCCCTACCCCTCCACTCCCCA	28782	hsa-miR-3162-3p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001615	11_-_59362561_59362580	TCCCTACCCCTCCACTCCCC	28783	hsa-miR-3162-3p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001616	11_-_59362562_59362580	TCCCTACCCCTCCACTCCC	28784	hsa-miR-3162-3p;Derives_from=MI0014192

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001617	11_-_59362596_59362620	AGGGAGTAGAAGGGTGGGGAGCATG	28785	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001618	11_-_59362597_59362620	AGGGAGTAGAAGGGTGGGGAGCAT	28786	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001619	11_-_59362598_59362620	AGGGAGTAGAAGGGTGGGGAGCA	28787	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001620	11_-_59362599_59362620	AGGGAGTAGAAGGGTGGGGAGC	28788	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001621	11_-_59362599_59362622	TTAGGGAGTAGAAGGGTGGGGAGC	28789	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001622	11_-_59362600_59362620	AGGGAGTAGAAGGGTGGGGAG	28790	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001623	11_-_59362601_59362620	AGGGAGTAGAAGGGTGGGGA	28791	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001624	11_-_59362601_59362622	TTAGGGAGTAGAAGGGTGGGGA	28792	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001625	11_-_59362602_59362622	TTAGGGAGTAGAAGGGTGGGG	28793	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001626	11_-_59362604_59362622	TTAGGGAGTAGAAGGGTGG	28794	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001627	11_-_59362605_59362622	TTAGGGAGTAGAAGGGTG	28795	hsa-miR-3162-5p;Derives_from=MI0014192
NovelMiR_KnownLoci_ID0001628	11_-_59976552_59976576	GGACTAGGATGCAGACCTCCCTGGG	28796	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001629	11_-_59976553_59976575	GACTAGGATGCAGACCTCCCTGG	28797	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001630	11_-_59976553_59976576	GGACTAGGATGCAGACCTCCCTGG	28798	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001631	11_-_59976554_59976575	GACTAGGATGCAGACCTCCCTG	28799	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001632	11_-_59976554_59976576	GGACTAGGATGCAGACCTCCCTG	28800	hsa-miR-6503-3p;Derives_from=MI0022215

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001633	11_-_59976555_59976575	GACTAGGATGCAGACCTCCCT	28801	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001634	11_-_59976555_59976576	GGACTAGGATGCAGACCTCCCT	28802	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001635	11_-_59976556_59976575	GACTAGGATGCAGACCTCCC	28803	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001636	11_-_59976556_59976576	GGACTAGGATGCAGACCTCCC	28804	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001637	11_-_59976556_59976577	GGGACTAGGATGCAGACCTCCC	28805	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001638	11_-_59976557_59976576	GGACTAGGATGCAGACCTCC	28806	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001639	11_-_59976557_59976579	AGGGGACTAGGATGCAGACCTCC	28807	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001640	11_-_59976558_59976576	GGACTAGGATGCAGACCTC	28808	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001641	11_-_59976560_59976579	AGGGGACTAGGATGCAGACC	28809	hsa-miR-6503-3p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001642	11_-_59976588_59976608	TGCATTCAAATCCCCAGAAGC	28810	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001643	11_-_59976588_59976609	CTGCATTCAAATCCCCAGAAGC	28811	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001644	11_-_59976588_59976611	GTCTGCATTCAAATCCCCAGAAGC	28812	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001645	11_-_59976588_59976613	AGGTCTGCATTCAAATCCCCAGAAGC	28813	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001646	11_-_59976589_59976613	AGGTCTGCATTCAAATCCCCAGAAG	28814	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001647	11_-_59976590_59976613	AGGTCTGCATTCAAATCCCCAGAA	28815	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001648	11_-_59976592_59976613	AGGTCTGCATTCAAATCCCCAG	28816	hsa-miR-6503-5p;Derives_from=MI0022215

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001649	11_-_59976593_59976613	AGGTCTGCATTCAAATCCCCA	28817	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001650	11_-_59976593_59976615	GGAGGTCTGCATTCAAATCCCCA	28818	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001651	11_-_59976594_59976613	AGGTCTGCATTCAAATCCCC	28819	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001652	11_-_59976594_59976614	GAGGTCTGCATTCAAATCCCC	28820	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001653	11_-_59976594_59976615	GGAGGTCTGCATTCAAATCCCC	28821	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001654	11_-_59976595_59976615	GGAGGTCTGCATTCAAATCCC	28822	hsa-miR-6503-5p;Derives_from=MI0022215
NovelMiR_KnownLoci_ID0001655	1_+_161196983_161197005	GGTGGGATGAGGGATTGAAGTGG	28823	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001656	1_+_161196984_161197004	GTGGGATGAGGGATTGAAGTG	28824	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001657	1_+_161196984_161197005	GTGGGATGAGGGATTGAAGTGG	28825	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001658	1_+_161196984_161197006	GTGGGATGAGGGATTGAAGTGGA	28826	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001659	1_+_161196984_161197008	GTGGGATGAGGGATTGAAGTGGAGC	28827	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001660	1_+_161196985_161197000	TGGGATGAGGGATTCA	28828	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001661	1_+_161196985_161197003	TGGGATGAGGGATTGAAGT	28829	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001662	1_+_161196985_161197005	TGGGATGAGGGATTGAAGTGG	28830	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001663	1_+_161196985_161197007	TGGGATGAGGGATTGAAGTGGAG	28831	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001664	1_+_161196985_161197008	TGGGATGAGGGATTGAAGTGGAGC	28832	hsa-miR-5187-5p;Derives_from=MI0018166

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001665	1_+_161196986_161197006	GGGATGAGGGATTGAAGTGGA	28833	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001666	1_+_161196986_161197008	GGGATGAGGGATTGAAGTGGAGC	28834	hsa-miR-5187-5p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001667	1_+_161197024_161197044	TCCACTGAATCCTCTTTTCCT	28835	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001668	1_+_161197024_161197045	TCCACTGAATCCTCTTTTCCTC	28836	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001669	1_+_161197024_161197046	TCCACTGAATCCTCTTTTCCTCA	28837	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001670	1_+_161197024_161197047	TCCACTGAATCCTCTTTTCCTCAG	28838	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001671	1_+_161197026_161197047	CACTGAATCCTCTTTTCCTCAG	28839	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001672	1_+_161197026_161197048	CACTGAATCCTCTTTTCCTCAGG	28840	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001673	1_+_161197027_161197045	ACTGAATCCTCTTTTCCTC	28841	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001674	1_+_161197027_161197046	ACTGAATCCTCTTTTCCTCA	28842	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001675	1_+_161197027_161197048	ACTGAATCCTCTTTTCCTCAGG	28843	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001676	1_+_161197027_161197049	ACTGAATCCTCTTTTCCTCAGGT	28844	hsa-miR-5187-3p;Derives_from=MI0018166
NovelMiR_KnownLoci_ID0001677	11_+_61276068_61276086	GGTAGGGGGCGGGCTCCGG	28845	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001678	11_+_61276069_61276086	GTAGGGGGCGGGCTCCGG	28846	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001679	11_+_61276069_61276087	GTAGGGGGCGGGCTCCGGC	28847	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001680	11_+_61276069_61276088	GTAGGGGGCGGGCTCCGGCG	28848	hsa-miR-4488;Derives_from=MI0016849

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001681	11_+_61276070_61276087	TAGGGGGCGGGCTCCGGC	28849	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001682	11_+_61276071_61276089	AGGGGGCGGGCTCCGGCGC	28850	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001683	11_+_61276071_61276090	AGGGGGCGGGCTCCGGCGCT	28851	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001684	11_+_61276071_61276092	AGGGGGCGGGCTCCGGCGCTGG	28852	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001685	11_+_61276072_61276090	GGGGGCGGGCTCCGGCGCT	28853	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001686	11_+_61276073_61276089	GGGGCGGGCTCCGGCGC	28854	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001687	11_+_61276073_61276091	GGGGCGGGCTCCGGCGCTG	28855	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001688	11_+_61276075_61276090	GGCGGGCTCCGGCGCT	28856	hsa-miR-4488;Derives_from=MI0016849
NovelMiR_KnownLoci_ID0001689	11_-_61559966_61559981	GGGGTCTGACCCACAC	28857	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001690	11_-_61559966_61559986	CCCTCGGGGTCTGACCCACAC	28858	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001691	11_-_61559966_61559987	CCCCTCGGGGTCTGACCCACAC	28859	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001692	11_-_61559966_61559988	ACCCCTCGGGGTCTGACCCACAC	28860	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001693	11_-_61559979_61560000	GGAGATGCGAGGACCCCTCGGG	28861	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001694	11_-_61559982_61560000	GGAGATGCGAGGACCCCTC	28862	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001695	11_-_61559983_61560000	GGAGATGCGAGGACCCCT	28863	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001696	11_-_61559984_61560000	GGAGATGCGAGGACCCC	28864	hsa-miR-611;Derives_from=MI0003624

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001697	11_-_61559985_61560000	GGAGATGCGAGGACCC	28865	hsa-miR-611;Derives_from=MI0003624
NovelMiR_KnownLoci_ID0001698	11_-_61582640_61582665	ACCGGCCGCCGGCTCCGCCCCGGCCC	28866	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001699	11_-_61582641_61582664	CCGGCCGCCGGCTCCGCCCCGGCC	28867	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001700	11_-_61582641_61582665	ACCGGCCGCCGGCTCCGCCCCGGC	28868	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001701	11_-_61582642_61582663	CGGCCGCCGGCTCCGCCCCGGC	28869	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001702	11_-_61582642_61582664	CCGGCCGCCGGCTCCGCCCCGGC	28870	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001703	11_-_61582643_61582663	CGGCCGCCGGCTCCGCCCCGG	28871	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001704	11_-_61582643_61582664	CCGGCCGCCGGCTCCGCCCCGG	28872	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001705	11_-_61582643_61582665	ACCGGCCGCCGGCTCCGCCCCGG	28873	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001706	11_-_61582644_61582665	ACCGCCGCCGGCTCCGCCCCG	28874	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001707	11_-_61582645_61582664	CCGGCCGCCGGCTCCGCCCC	28875	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001708	11_-_61582645_61582665	ACCGGCCGCCGGCTCCGCCCC	28876	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001709	11_-_61582646_61582665	ACCGGCCGCCGGCTCCGCCC	28877	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001710	11_-_61582647_61582665	ACCGGCCGCCGGCTCCGCC	28878	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001711	11_-_61582648_61582665	ACCGGCCGCCGGCTCCGC	28879	hsa-miR-1908-3p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001712	11_-_61582677_61582701	CGGCGGGGACGGCGATTGGTCCGTA	28880	hsa-miR-1908-5p;Derives_from=MI0008329

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001713	11_-_61582678_61582701	CGGCGGGGACGGCGATTGGTCCGT	28881	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001714	11_-_61582679_61582701	CGGCGGGGACGGCGATTGGTCCG	28882	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001715	11_-_61582680_61582700	GGCGGGGACGGCGATTGGTCC	28883	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001716	11_-_61582680_61582701	CGGCGGGGACGGCGATTGGTCC	28884	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001717	11_-_61582682_61582701	CGGCGGGGACGGCGATTGGT	28885	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001718	11_-_61582683_61582701	CGGCGGGGACGGCGATTGG	28886	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001719	11_-_61582684_61582701	CGGCGGGGACGGCGATTG	28887	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001720	11_-_61582685_61582700	GGCGGGGACGGCGATT	28888	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001721	11_-_61582685_61582701	CGGCGGGGACGGCGATT	28889	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001722	11_-_61582686_61582701	CGGCGGGGACGGCGAT	28890	hsa-miR-1908-5p;Derives_from=MI0008329
NovelMiR_KnownLoci_ID0001723	11_-_61645684_61645709	CAGCCGCCGCCTGTCTCCACAGTATG	28891	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001724	11_-_61645686_61645709	CAGCCGCCGCCTGTCTCCACAGTA	28892	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001725	11_-_61645687_61645709	CAGCCGCCGCCTGTCTCCACAGT	28893	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001726	11_-_61645688_61645708	AGCCGCCGCCTGTCTCCACAG	28894	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001727	11_-_61645689_61645709	CAGCCGCCGCCTGTCTCCACA	28895	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001728	11_-_61645689_61645710	CCAGCCGCCGCCTGTCTCCACA	28896	hsa-miR-6746-3p;Derives_from=MI0022591

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001729	11_-_61645689_61645711	TCCAGCCGCCGCCTGTCTCCACA	28897	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001730	11_-_61645690_61645709	CAGCCGCCGCCTGTCTCCAC	28898	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001731	11_-_61645691_61645711	TCCAGCCGCCGCCTGTCTCCA	28899	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001732	11_-_61645692_61645709	CAGCCGCCGCCTGTCTCC	28900	hsa-miR-6746-3p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001733	11_-_61645718_61645738	AAGGAGGTGGCCTGGAGAGCT	28901	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001734	11_-_61645720_61645743	GGGAGAAGGAGGTGGCCTGGAGAG	28902	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001735	11_-_61645720_61645745	CCGGGAGAAGGAGGTGGCCTGGAGAG	28903	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001736	11_-_61645720_61645746	CCCGGGAGAAGGAGGTGGCCTGGAGAG	28904	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001737	11_-_61645721_61645743	GGGAGAAGGAGGTGGCCTGGAGA	28905	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001738	11_-_61645721_61645745	CCGGGAGAAGGAGGTGGCCTGGAGA	28906	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001739	11_-_61645721_61645746	CCCGGGAGAAGGAGGTGGCCTGGAGA	28907	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001740	11_-_61645722_61645743	GGGAGAAGGAGGTGGCCTGGAG	28908	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001741	11_-_61645722_61645744	CGGGAGAAGGAGGTGGCCTGGAG	28909	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001742	11_-_61645722_61645745	CCGGGAGAAGGAGGTGGCCTGGAG	28910	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001743	11_-_61645722_61645746	CCCGGGAGAAGGAGGTGGCCTGGAG	28911	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001744	11_-_61645723_61645744	CGGGAGAAGGAGGTGGCCTGGA	28912	hsa-miR-6746-5p;Derives_from=MI0022591

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001745	11_-_61645723_61645745	CCGGGAGAAGGAGGTGGCCTGGA	28913	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001746	11_-_61645724_61645746	CCCGGGAGAAGGAGGTGGCCTGG	28914	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001747	11_-_61645727_61645745	CCGGGAGAAGGAGGTGGCC	28915	hsa-miR-6746-5p;Derives_from=MI0022591
NovelMiR_KnownLoci_ID0001748	1_+_162126906_162126924	TGTGGGATCTGGAGGCATC	28916	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001749	1_+_162126906_162126925	TGTGGGATCTGGAGGCATCT	28917	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001750	1_+_162126906_162126928	TGTGGGATCTGGAGGCATCTGGG	28918	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001751	1_+_162126906_162126929	TGTGGGATCTGGAGGCATCTGGGG	28919	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001752	1_+_162126906_162126930	TGTGGGATCTGGAGGCATCTGGGGT	28920	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001753	1_+_162126906_162126931	TGTGGGATCTGGAGGCATCTGGGGTT	28921	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001754	1_+_162126906_162126933	TGTGGGATCTGGAGGCATCTGGGGTTGG	28922	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001755	1_+_162126908_162126924	TGGGATCTGGAGGCATC	28923	hsa-miR-4654;Derives_from=MI0017282
NovelMiR_KnownLoci_ID0001756	1_+_162312348_162312369	AAACATCAGCTCATTGTAATAT	28924	hsa-miR-556-5p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001757	1_+_162312351_162312367	GATGAGCTCATTGTAAT	28925	hsa-miR-556-5p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001758	1_+_162312351_162312368	GATGAGCTCATTGTAATA	28926	hsa-miR-556-5p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001759	1_+_162312351_162312369	GATGAGCTCATTGTAATAT	28927	hsa-miR-556-5p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001760	1_+_162312351_162312370	GATGAGCTCATTGTAATATG	28928	hsa-miR-556-5p;Derives_from=MI0003562

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001761	1_+_162312351_162312371	GATGAGCTCATTGTAATATGA	28929	hsa-miR-556-5p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001762	1_+_162312351_162312373	GATGAGCTCATTGTAATATGAGC	28930	hsa-miR-556-5p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001763	1_+_162312388_162312409	TCATATTACCATTAGCTCATCT	28931	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001764	1_+_162312389_162312408	CATATTACCATTAGCTCATC	28932	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001765	1_+_162312389_162312409	CATATTACCATTAGCTCATCT	28933	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001766	1_+_162312389_162312410	CATATTACCATTAGCTCATCTT	28934	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001767	1_+_162312390_162312407	ATATTACCATTAGCTCAT	28935	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001768	1_+_162312390_162312408	ATATTACCATTAGCTCATC	28936	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001769	1_+_162312390_162312409	ATATTACCATTAGCTCATCT	28937	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001770	1_+_162312390_162312410	ATATTACCATTAGCTCATCTT	28938	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001771	1_+_162312390_162312412	ATATTACCATTAGCTCATCTTTT	28939	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001772	1_+_162312390_162312413	ATATTACCATTAGCTCATCTTTTT	28940	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001773	1_+_162312391_162312412	TATTACCATTAGCTCATCTTTT	28941	hsa-miR-556-3p;Derives_from=MI0003562
NovelMiR_KnownLoci_ID0001774	11_-_62334479_62334503	TCCTGCCTTCCTCTGCACCAGCTA A	28942	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001775	11_-_62334480_62334503	TCCTGCCTTCCTCTGCACCAGCTA	28943	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001776	11_-_62334481_62334502	CCTGCCTTCCTCTGCACCAGCT	28944	hsa-miR-6747-3p;Derives_from=MI0022592

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001777	11_-_62334481_62334503	TCCTGCCTTCCTCTGCACCAGCT	28945	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001778	11_-_62334481_62334504	TTCCTGCCTTCCTCTGCACCAGCT	28946	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001779	11_-_62334482_62334502	CCTGCCTTCCTCTGCACCAGC	28947	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001780	11_-_62334482_62334503	TCCTGCCTTCCTCTGCACCAGC	28948	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001781	11_-_62334482_62334504	TTCCTGCCTTCCTCTGCACCAGC	28949	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001782	11_-_62334483_62334502	CCTGCCTTCCTCTGCACCAG	28950	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001783	11_-_62334483_62334504	TTCCTGCCTTCCTCTGCACCAG	28951	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001784	11_-_62334484_62334503	TCCTGCCTTCCTCTGCACCA	28952	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001785	11_-_62334485_62334503	TCCTGCCTTCCTCTGCACC	28953	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001786	11_-_62334485_62334504	TTCCTGCCTTCCTCTGCACC	28954	hsa-miR-6747-3p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001787	11_-_62334513_62334538	AGGGGTGTGGAAAGAGGCAGAACATT	28955	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001788	11_-_62334515_62334539	GAGGGGTGTGGAAAGAGGCAGAACA	28956	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001789	11_-_62334516_62334538	AGGGGTGTGGAAAGAGGCAGAAC	28957	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001790	11_-_62334517_62334538	AGGGGTGTGGAAAGAGGCAGAA	28958	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001791	11_-_62334518_62334538	AGGGGTGTGGAAAGAGGCAGA	28959	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001792	11_-_62334519_62334538	AGGGGTGTGGAAAGAGGCAG	28960	hsa-miR-6747-5p;Derives_from=MI0022592

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001793	11_-_62334521_62334538	AGGGGTGTGGAAAGAGGC	28961	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001794	11_-_62334523_62334544	TTTTGGAGGGGTGTGGAAAGAG	28962	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001795	11_-_62334526_62334544	TTTTGGAGGGGTGTGGAAA	28963	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001796	11_-_62334527_62334544	TTTTGGAGGGGTGTGGAA	28964	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001797	11_-_62334528_62334544	TTTTGGAGGGGTGTGGA	28965	hsa-miR-6747-5p;Derives_from=MI0022592
NovelMiR_KnownLoci_ID0001798	11_+_62557286_62557305	GTGGTGTGTGGGTGGGAAGG	28966	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001799	11_+_62557290_62557312	TGTGTGGGTGGGAAGGACTGGAT	28967	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001800	11_+_62557290_62557313	TGTGTGGGTGGGAAGGACTGGATT	28968	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001801	11_+_62557291_62557311	GTGTGGGTGGGAAGGACTGGA	28969	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001802	11_+_62557291_62557314	GTGTGGGTGGGAAGGACTGGATTT	28970	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001803	11_+_62557292_62557311	TGTGGGTGGGAAGGACTGGA	28971	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001804	11_+_62557292_62557312	TGTGGGTGGGAAGGACTGGAT	28972	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001805	11_+_62557292_62557314	TGTGGGTGGGAAGGACTGGATTT	28973	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001806	11_+_62557292_62557316	TGTGGGTGGGAAGGACTGGATTTG A	28974	hsa-miR-6748-5p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001807	11_+_62557331_62557348	TGACGATCCTGTCCCTGT	28975	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001808	11_+_62557337_62557355	TCCTGTCCCTGTCTCCTAC	28976	hsa-miR-6748-3p;Derives_from=MI0022593

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001809	11_+_62557337_62557356	TCCTGTCCCTGTCTCCTACA	28977	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001810	11_+_62557337_62557358	TCCTGTCCCTGTCTCCTACAGA	28978	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001811	11_+_62557337_62557359	TCCTGTCCCTGTCTCCTACAGAC	28979	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001812	11_+_62557337_62557360	TCCTGTCCCTGTCTCCTACAGACC	28980	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001813	11_+_62557338_62557357	CCTGTCCCTGTCTCCTACAG	28981	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001814	11_+_62557338_62557358	CCTGTCCCTGTCTCCTACAGA	28982	hsa-miR-6748-3p;Derives_from=MI0022593
NovelMiR_KnownLoci_ID0001815	11_-_62560171_62560193	TGCCTGTTCTTCCACTCCAGGTG	28983	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001816	11_-_62560171_62560194	CTGCCTGTTCTTCCACTCCAGGTG	28984	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001817	11_-_62560172_62560193	TGCCTGTTCTTCCACTCCAGGT	28985	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001818	11_-_62560172_62560194	CTGCCTGTTCTTCCACTCCAGGT	28986	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001819	11_-_62560173_62560193	TGCCTGTTCTTCCACTCCAGG	28987	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001820	11_-_62560173_62560194	CTGCCTGTTCTTCCACTCCAGG	28988	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001821	11_-_62560174_62560193	TGCCTGTTCTTCCACTCCAG	28989	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001822	11_-_62560185_62560200	ACAGAGCTGCCTGTTC	28990	hsa-miR-6514-3p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001823	11_-_62560216_62560242	ATGGAGTGGACTTTCAGCTGGCATTTA	28991	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001824	11_-_62560217_62560242	ATGGAGTGGACTTTCAGCTGGCATTT	28992	hsa-miR-6514-5p;Derives_from=MI0022226

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001825	11_-_62560217_62560243	TATGGAGTGGACTTTCAGCTGGCATTT	28993	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001826	11_-_62560218_62560241	TGGAGTGGACTTTCAGCTGGCATT	28994	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001827	11_-_62560218_62560242	ATGGAGTGGACTTTCAGCTGGCATT	28995	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001828	11_-_62560218_62560243	TATGGAGTGGACTTTCAGCTGGCATT	28996	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001829	11_-_62560219_62560241	TGGAGTGGACTTTCAGCTGGCAT	28997	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001830	11_-_62560219_62560242	ATGGAGTGGACTTTCAGCTGGCAT	28998	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001831	11_-_62560220_62560241	TGGAGTGGACTTTCAGCTGGCA	28999	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001832	11_-_62560220_62560242	ATGGAGTGGACTTTCAGCTGGCA	29000	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001833	11_-_62560220_62560243	TATGGAGTGGACTTTCAGCTGGCA	29001	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001834	11_-_62560221_62560242	ATGGAGTGGACTTTCAGCTGGC	29002	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001835	11_-_62560222_62560242	ATGGAGTGGACTTTCAGCTGG	29003	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001836	11_-_62560222_62560243	TATGGAGTGGACTTTCAGCTGG	29004	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001837	11_-_62560223_62560242	ATGGAGTGGACTTTCAGCTG	29005	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001838	11_-_62560224_62560243	TATGGAGTGGACTTTCAGCT	29006	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001839	11_-_62560227_62560243	TATGGAGTGGACTTTCA	29007	hsa-miR-6514-5p;Derives_from=MI0022226
NovelMiR_KnownLoci_ID0001840	11_-_64109315_64109330	ACCTCAGACCACAACC	29008	hsa-miR-7155-3p;Derives_from=MI0023615

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001841	11_-_64109315_64109331	GACCTCAGACCACAACC	29009	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001842	11_-_64109315_64109332	AGACCTCAGACCACAACC	29010	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001843	11_-_64109315_64109333	AAGACCTCAGACCACAACC	29011	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001844	11_-_64109315_64109334	CAAGACCTCAGACCACAACC	29012	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001845	11_-_64109315_64109336	CCCAAGACCTCAGACCACAACC	29013	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001846	11_-_64109315_64109339	TGGCCCAAGACCTCAGACCACAACC	29014	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001847	11_-_64109316_64109336	CCCAAGACCTCAGACCACAAC	29015	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001848	11_-_64109316_64109337	GCCCAAGACCTCAGACCACAAC	29016	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001849	11_-_64109316_64109339	TGGCCCAAGACCTCAGACCACAAC	29017	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001850	11_-_64109317_64109333	AAGACCTCAGACCACAA	29018	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001851	11_-_64109317_64109336	CCCAAGACCTCAGACCACAA	29019	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001852	11_-_64109317_64109339	TGGCCCAAGACCTCAGACCACAA	29020	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001853	11_-_64109318_64109336	CCCAAGACCTCAGACCACA	29021	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001854	11_-_64109318_64109339	TGGCCCAAGACCTCAGACCACA	29022	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001855	11_-_64109319_64109337	GCCCAAGACCTCAGACCAC	29023	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001856	11_-_64109319_64109339	TGGCCCAAGACCTCAGACCAC	29024	hsa-miR-7155-3p;Derives_from=MI0023615

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001857	11_-_64109320_64109339	TGGCCCAAGACCTCAGACCA	29025	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001858	11_-_64109320_64109340	ATGGCCCAAGACCTCAGACCA	29026	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001859	11_-_64109321_64109340	ATGGCCCAAGACCTCAGACC	29027	hsa-miR-7155-3p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001860	11_-_64109355_64109376	TCTGGGGTCTTGGGCCATCTGG	29028	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001861	11_-_64109355_64109377	GTCTGGGGTCTTGGGCCATCTGG	29029	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001862	11_-_64109356_64109379	TGGTCTGGGGTCTTGGGCCATCTG	29030	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001863	11_-_64109357_64109376	TCTGGGGTCTTGGGCCATCT	29031	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001864	11_-_64109357_64109379	TGGTCTGGGGTCTTGGGCCATCT	29032	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001865	11_-_64109358_64109379	TGGTCTGGGGTCTTGGGCCATC	29033	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001866	11_-_64109358_64109381	TGTGGTCTGGGGTCTTGGGCCATC	29034	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001867	11_-_64109359_64109379	TGGTCTGGGGTCTTGGGCCAT	29035	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001868	11_-_64109360_64109381	TGTGGTCTGGGGTCTTGGGCCA	29036	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001869	11_-_64109361_64109381	TGTGGTCTGGGGTCTTGGGCC	29037	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001870	11_-_64109361_64109382	TTGTGGTCTGGGGTCTTGGGCC	29038	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001871	11_-_64109362_64109381	TGTGGTCTGGGGTCTTGGGC	29039	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001872	11_-_64109362_64109382	TTGTGGTCTGGGGTCTTGGGC	29040	hsa-miR-7155-5p;Derives_from=MI0023615

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001873	11_-_64109363_64109382	TTGTGGTCTGGGGTCTTGGG	29041	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001874	11_-_64109367_64109382	TTGTGGTCTGGGGTCT	29042	hsa-miR-7155-5p;Derives_from=MI0023615
NovelMiR_KnownLoci_ID0001875	11_+_64136119_64136139	GTCCCGGGGGCGGGGCCGAAG	29043	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001876	11_+_64136119_64136141	GTCCCGGGGGCGGGGCCGAAGCG	29044	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001877	11_+_64136119_64136142	GTCCCGGGGGCGGGGCCGAAGCGC	29045	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001878	11_+_64136120_64136139	TCCCGGGGGCGGGGCCGAAG	29046	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001879	11_+_64136120_64136141	TCCCGGGGGCGGGGCCGAAGCG	29047	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001880	11_+_64136120_64136142	TCCCGGGGGCGGGGCCGAAGCGC	29048	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001881	11_+_64136120_64136143	TCCCGGGGGCGGGGCCGAAGCGCG	29049	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001882	11_+_64136120_64136144	TCCCGGGGGCGGGGCCGAAGCGCG G	29050	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001883	11_+_64136121_64136139	CCCGGGGGCGGGGCCGAAG	29051	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001884	11_+_64136121_64136141	CCCGGGGGCGGGGCCGAAGCG	29052	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001885	11_+_64136121_64136142	CCCGGGGGCGGGGCCGAAGCGC	29053	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001886	11_+_64136121_64136143	CCCGGGGGCGGGGCCGAAGCGCG	29054	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001887	11_+_64136121_64136144	CCCGGGGGCGGGGCCGAAGCGCGG	29055	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001888	11_+_64136121_64136145	CCCGGGGGCGGGGCCGAAGCGCGG C	29056	hsa-miR-1237-5p;Derives_from=MI0006327

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001889	11_+_64136122_64136141	CCGGGGGCGGGGCCGAAGCG	29057	hsa-miR-1237-5p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001890	11_+_64136155_64136170	TCCTTCTGCTCCGTCC	29058	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001891	11_+_64136155_64136172	TCCTTCTGCTCCGTCCCC	29059	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001892	11_+_64136155_64136174	TCCTTCTGCTCCGTCCCCCA	29060	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001893	11_+_64136155_64136176	TCCTTCTGCTCCGTCCCCCAGG	29061	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001894	11_+_64136155_64136177	TCCTTCTGCTCCGTCCCCCAGGC	29062	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001895	11_+_64136155_64136178	TCCTTCTGCTCCGTCCCCCAGGCT	29063	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001896	11_+_64136156_64136175	CCTTCTGCTCCGTCCCCCAG	29064	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001897	11_+_64136156_64136176	CCTTCTGCTCCGTCCCCCAGG	29065	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001898	11_+_64136156_64136177	CCTTCTGCTCCGTCCCCCAGGC	29066	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001899	11_+_64136156_64136178	CCTTCTGCTCCGTCCCCCAGGCT	29067	hsa-miR-1237-3p;Derives_from=MI0006327
NovelMiR_KnownLoci_ID0001900	11_-_64658628_64658652	CTGCCAATTCCATAGGTCACAGGTA	29068	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001901	11_-_64658629_64658652	CTGCCAATTCCATAGGTCACAGGT	29069	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001902	11_-_64658630_64658652	CTGCCAATTCCATAGGTCACAGG	29070	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001903	11_-_64658632_64658652	CTGCCAATTCCATAGGTCACA	29071	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001904	11_-_64658632_64658653	GCTGCCAATTCCATAGGTCACA	29072	hsa-miR-192-3p;Derives_from=MI0000234

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001905	11_-_64658632_64658654	GGCTGCCAATTCCATAGGTCACA	29073	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001906	11_-_64658634_64658652	CTGCCAATTCCATAGGTCA	29074	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001907	11_-_64658636_64658656	CTGGCTGCCAATTCCATAGGT	29075	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001908	11_-_64658638_64658656	CTGGCTGCCAATTCCATAG	29076	hsa-miR-192-3p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001909	11_-_64658671_64658694	TGACCTATGAATTGACAGCCAGTG	29077	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001910	11_-_64658672_64658694	TGACCTATGAATTGACAGCCAGT	29078	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001911	11_-_64658672_64658695	CTGACCTATGAATTGACAGCCAGT	29079	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001912	11_-_64658673_64658694	TGACCTATGAATTGACAGCCAG	29080	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001913	11_-_64658673_64658695	CTGACCTATGAATTGACAGCCAG	29081	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001914	11_-_64658674_64658694	TGACCTATGAATTGACAGCCA	29082	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001915	11_-_64658674_64658695	CTGACCTATGAATTGACAGCCA	29083	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001916	11_-_64658675_64658694	TGACCTATGAATTGACAGCC	29084	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001917	11_-_64658676_64658694	TGACCTATGAATTGACAGC	29085	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001918	11_-_64658676_64658695	CTGACCTATGAATTGACAGC	29086	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001919	11_-_64658678_64658695	CTGACCTATGAATTGACA	29087	hsa-miR-192-5p;Derives_from=MI0000234
NovelMiR_KnownLoci_ID0001920	11_-_64658836_64658861	CCAGTGGGGCTGCTGTTATCTGGGGC	29088	hsa-miR-194-3p;Derives_from=MI0000732

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001921	11_-_64658837_64658859	AGTGGGGCTGCTGTTATCTGGGG	29089	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001922	11_-_64658837_64658861	CCAGTGGGGCTGCTGTTATCTGGGG	29090	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001923	11_-_64658838_64658860	CAGTGGGGCTGCTGTTATCTGGG	29091	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001924	11_-_64658838_64658861	CCAGTGGGGCTGCTGTTATCTGGG	29092	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001925	11_-_64658839_64658861	CCAGTGGGGCTGCTGTTATCTGG	29093	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001926	11_-_64658841_64658861	CCAGTGGGGCTGCTGTTATCT	29094	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001927	11_-_64658842_64658861	CCAGTGGGGCTGCTGTTATC	29095	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001928	11_-_64658843_64658861	CCAGTGGGGCTGCTGTTAT	29096	hsa-miR-194-3p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001929	11_-_64658872_64658897	TGTAACAGCAACTCCATGTGGAAGTG	29097	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001930	11_-_64658873_64658897	TGTAACAGCAACTCCATGTGGAAGT	29098	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001931	11_-_64658874_64658896	GTAACAGCAACTCCATGTGGAAG	29099	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001932	11_-_64658874_64658897	TGTAACAGCAACTCCATGTGGAAG	29100	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001933	11_-_64658875_64658896	GTAACAGCAACTCCATGTGGAA	29101	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001934	11_-_64658875_64658897	TGTAACAGCAACTCCATGTGGAA	29102	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001935	11_-_64658876_64658898	CTGTAACAGCAACTCCATGTGGA	29103	hsa-miR-194-5p;Derives_from=MI0000732
NovelMiR_KnownLoci_ID0001936	11_-_64658879_64658899	CCTGTAACAGCAACTCCATGT	29104	hsa-miR-194-5p;Derives_from=MI0000732

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001937	11_-_64665832_64665855	GAACTCACCCTCTGCTCCCAGCTC	29105	hsa-miR-6750-3p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001938	11_-_64665833_64665855	GAACTCACCCTCTGCTCCCAGCT	29106	hsa-miR-6750-3p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001939	11_-_64665834_64665854	AACTCACCCTCTGCTCCCAGC	29107	hsa-miR-6750-3p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001940	11_-_64665834_64665855	GAACTCACCCTCTGCTCCCAGC	29108	hsa-miR-6750-3p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001941	11_-_64665836_64665855	GAACTCACCCTCTGCTCCCA	29109	hsa-miR-6750-3p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001942	11_-_64665837_64665855	GAACTCACCCTCTGCTCCC	29110	hsa-miR-6750-3p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001943	11_-_64665879_64665903	AGGGAACAGCTGGGTGAGCTGCTG C	29111	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001944	11_-_64665880_64665903	AGGGAACAGCTGGGTGAGCTGCTG	29112	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001945	11_-_64665881_64665903	AGGGAACAGCTGGGTGAGCTGCT	29113	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001946	11_-_64665882_64665903	AGGGAACAGCTGGGTGAGCTGC	29114	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001947	11_-_64665882_64665904	CAGGGAACAGCTGGGTGAGCTGC	29115	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001948	11_-_64665883_64665903	AGGGAACAGCTGGGTGAGCTG	29116	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001949	11_-_64665883_64665905	TCAGGGAACAGCTGGGTGAGCTG	29117	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001950	11_-_64665884_64665903	AGGGAACAGCTGGGTGAGCT	29118	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001951	11_-_64665884_64665904	CAGGGAACAGCTGGGTGAGCT	29119	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001952	11_-_64665885_64665903	AGGGAACAGCTGGGTGAGC	29120	hsa-miR-6750-5p;Derives_from=MI0022595

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001953	11_-_64665886_64665903	AGGGAACAGCTGGGTGAG	29121	hsa-miR-6750-5p;Derives_from=MI0022595
NovelMiR_KnownLoci_ID0001954	11_-_64669856_64669878	TCCTCCCCTGCCTGGCCCAGCTC	29122	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001955	11_-_64669856_64669879	CTCCTCCCCTGCCTGGCCCAGCTC	29123	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001956	11_-_64669857_64669878	TCCTCCCCTGCCTGGCCCAGCT	29124	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001957	11_-_64669857_64669879	CTCCTCCCCTGCCTGGCCCAGCT	29125	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001958	11_-_64669858_64669878	TCCTCCCCTGCCTGGCCCAGC	29126	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001959	11_-_64669858_64669879	CTCCTCCCCTGCCTGGCCCAGC	29127	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001960	11_-_64669858_64669882	TTGCTCCTCCCCTGCCTGGCCCAGC	29128	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001961	11_-_64669860_64669879	CTCCTCCCCTGCCTGGCCCA	29129	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001962	11_-_64669863_64669882	TTGCTCCTCCCCTGCCTGGC	29130	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001963	11_-_64669864_64669882	TTGCTCCTCCCCTGCCTGG	29131	hsa-miR-6749-3p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001964	11_-_64669897_64669921	CGGGCCTGGGGTTGGGGGAGCTCTG	29132	hsa-miR-6749-5p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001965	11_-_64669899_64669922	TCGGGCCTGGGGTTGGGGCAGCTC	29133	hsa-miR-6749-5p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001966	11_-_64669900_64669921	CGGGCCTGGGGTTGGGGGAGCT	29134	hsa-miR-6749-5p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001967	11_-_64669900_64669923	CTCGGGCCTGGGGTTGGGGGAGCT	29135	hsa-miR-6749-5p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001968	11_-_64669901_64669921	CGGGCCTGGGGTTGGGGGAGC	29136	hsa-miR-6749-5p;Derives_from=MI0022594

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001969	11_-_64669904_64669923	CTCGGGCCTGGGGTTGGGGG	29137	hsa-miR-6749-5p;Derives_from=MI0022594
NovelMiR_KnownLoci_ID0001970	11_+_64785982_64786002	CAGGGCAGGGAAGGTGGGAGA	29138	hsa-miR-6879-5p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001971	11_+_64785982_64786004	CAGGGCAGGGAAGGTGGGAGAGG	29139	hsa-miR-6879-5p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001972	11_+_64785983_64786005	AGGGCAGGGAAGGTGGGAGAGGG	29140	hsa-miR-6879-5p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001973	11_+_64785985_64786005	GGCAGGGAAGGTGGGAGAGGG	29141	hsa-miR-6879-5p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001974	11_+_64786017_64786038	CCTCCTGTCACCCGCTCCTTGC	29142	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001975	11_+_64786017_64786040	CCTCCTGTCACCCGCTCCTTGCCC	29143	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001976	11_+_64786019_64786038	TCCTGTCACCCGCTCCTTGC	29144	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001977	11_+_64786019_64786042	TCCTGTCACCCGCTCCTTGCCCAG	29145	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001978	11_+_64786019_64786043	TCCTGTCACCCGCTCCTTGCCCAGA	29146	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001979	11_+_64786019_64786044	TCCTGTCACCCGCTCCTTGCCCAGAT	29147	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001980	11_+_64786019_64786045	TCCTGTCACCCGCTCCTTGCCCAGATT	29148	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001981	11_+_64786020_64786040	CCTGTCACCCGCTCCTTGCCC	29149	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001982	11_+_64786020_64786042	CCTGTCACCCGCTCCTTGCCCAG	29150	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001983	11_+_64786020_64786043	CCTGTCACCCGCTCCTTGCCCAGA	29151	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001984	11_+_64786020_64786045	CCTGTCACCCGCTCCTTGCCCAGATT	29152	hsa-miR-6879-3p;Derives_from=MI0022726

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0001985	11_+_64786020_64786046	CCTGTCACCCGCTCCTTGCCCAGATTC	29153	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001986	11_+_64786022_64786043	TGTCACCCGCTCCTTGCCCAGA	29154	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001987	11_+_64786022_64786044	TGTCACCCGCTCCTTGCCCAGAT	29155	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001988	11_+_64786022_64786045	TGTCACCCGCTCCTTGCCCAGATT	29156	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001989	11_+_64786022_64786046	TGTCACCCGCTCCTTGCCCAGATTC	29157	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001990	11_+_64786023_64786043	GTCACCCGCTCCTTGCCCAGA	29158	hsa-miR-6879-3p;Derives_from=MI0022726
NovelMiR_KnownLoci_ID0001991	11_-_64897385_64897411	CAGACTGAGCCTCTCTCTCCAGCCT	29159	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001992	11_-_64897386_64897408	ACTGAGCCTCTCTCTCCAGCC	29160	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001993	11_-_64897387_64897407	CTGAGCCTCTCTCTCCAGC	29161	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001994	11_-_64897387_64897408	ACTGAGCCTCTCTCTCCAGC	29162	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001995	11_-_64897387_64897410	AGACTGAGCCTCTCTCTCCAGC	29163	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001996	11_-_64897387_64897411	CAGACTGAGCCTCTCTCTCCAGC	29164	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001997	11_-_64897387_64897412	CCAGACTGAGCCTCTCTCTCCAGC	29165	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001998	11_-_64897388_64897410	AGACTGAGCCTCTCTCTCCAG	29166	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0001999	11_-_64897388_64897411	CAGACTGAGCCTCTCTCTCCAG	29167	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002000	11_-_64897388_64897412	CCAGACTGAGCCTCTCTCTCCAG	29168	hsa-miR-6751-3p;Derives_from=MI0022596

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002001	11_-_64897388_64897413	CCCAGACTGAGCCTCTCTCTCCAG	29169	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002002	11_-_64897389_64897411	CAGACTGAGCCTCTCTCTCCA	29170	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002003	11_-_64897390_64897410	AGACTGAGCCTCTCTCTCC	29171	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002004	11_-_64897390_64897411	CAGACTGAGCCTCTCTCTCC	29172	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002005	11_-_64897392_64897410	AGACTGAGCCTCTCTCT	29173	hsa-miR-6751-3p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002006	11_-_64897420_64897445	TTGGGGGTGAGGTTGGTGTCTGGCCC	29174	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002007	11_-_64897421_64897445	TTGGGGGTGAGGTTGGTGTCTGGCC	29175	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002008	11_-_64897422_64897444	TGGGGGTGAGGTTGGTGTCTGGC	29176	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002009	11_-_64897423_64897444	TGGGGGTGAGGTTGGTGTCTGG	29177	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002010	11_-_64897423_64897446	CTTGGGGGTGAGGTTGGTGTCTGG	29178	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002011	11_-_64897424_64897445	TTGGGGGTGAGGTTGGTGTCTG	29179	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002012	11_-_64897425_64897445	TTGGGGGTGAGGTTGGTGTCT	29180	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002013	11_-_64897425_64897447	TCTTGGCGCGTGAGGTTGGTGTCT	29181	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002014	11_-_64897426_64897445	TTGGGGGTGAGGTTGGTGTC	29182	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002015	11_-_64897428_64897447	TCTTGGGGGTGAGGTTGGTG	29183	hsa-miR-6751-5p;Derives_from=MI0022596
NovelMiR_KnownLoci_ID0002016	11_+_65211938_65211953	GACCCTGCTGGGCAGG	29184	hsa-miR-612;Derives_from=MI0003625

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002017	11_+_65211938_65211955	GACCCTGCTGGGCAGGGC	29185	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002018	11_+_65211938_65211957	GACCCTGCTGGGCAGGGCTT	29186	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002019	11_+_65211943_65211963	TGCTGGGCAGGGCTTCTGAGC	29187	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002020	11_+_65211943_65211970	TGCTGGGCAGGGCTTCTGAGCTCC TTAG	29188	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002021	11_+_65211944_65211964	GCTGGGCAGGGCTTCTGAGCT	29189	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002022	11_+_65211944_65211967	GCTGGGCAGGGCTTCTGAGCTCCT	29190	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002023	11_+_65211945_65211965	CTGGGCAGGGCTTCTGAGCTC	29191	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002024	11_+_65211945_65211972	CTGGGCAGGGCTTCTGAGCTCCTT AGCA	29192	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002025	11_+_65211946_65211969	TGGGCAGGGCTTCTGAGCTCCTTA	29193	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002026	11_+_65211946_65211971	TGGGCAGGGCTTCTGAGCTCCTTA GC	29194	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002027	11_+_65211947_65211972	GGGCAGGGCTTCTGAGCTCCTTAG CA	29195	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002028	11_+_65211951_65211974	AGGGCTTCTGAGCTCCTTAGCACT	29196	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002029	11_+_65211953_65211974	GGCTTCTGAGCTCCTTAGCACT	29197	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002030	11_+_65211958_65211974	CTGAGCTCCTTAGCACT	29198	hsa-miR-612;Derives_from=MI0003625
NovelMiR_KnownLoci_ID0002031	11_+_65403779_65403801	GTGAGCAGGCGAGGCTGGGCTGA	29199	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002032	11_+_65403779_65403803	GTGAGCAGGCGAGGCTGGGCTGAA C	29200	hsa-miR-4690-5p;Derives_from=MI0017323

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002033	11_+_65403783_65403802	GCAGGCGAGGCTGGGCTGAA	29201	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002034	11_+_65403784_65403803	CAGGCGAGGCTGGGCTGAAC	29202	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002035	11_+_65403785_65403801	AGGCGAGGCTGGGCTGA	29203	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002036	11_+_65403785_65403803	AGGCGAGGCTGGGCTGAAC	29204	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002037	11_+_65403785_65403804	AGGCGAGGCTGGGCTGAACC	29205	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002038	11_+_65403786_65403804	GGCGAGGCTGGGCTGAACC	29206	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002039	11_+_65403786_65403806	GGCGAGGCTGGGCTGAACCCG	29207	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002040	11_+_65403786_65403807	GGCGAGGCTGGGCTGAACCCGT	29208	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002041	11_+_65403786_65403808	GGCGAGGCTGGGCTGAACCCGTG	29209	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002042	11_+_65403787_65403804	GCGAGGCTGGGCTGAACC	29210	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002043	11_+_65403787_65403807	GCGAGGCTGGGCTGAACCCGT	29211	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002044	11_+_65403787_65403808	GCGAGGCTGGGCTGAACCCGTG	29212	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002045	11_+_65403788_65403803	CGAGGCTGGGCTGAAC	29213	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002046	11_+_65403788_65403806	CGAGGCTGGGCTGAACCCG	29214	hsa-miR-4690-5p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002047	11_+_65403813_65403828	AGGAGTGCAGCCCAGC	29215	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002048	11_+_65403818_65403838	TGCAGCCCAGCTGAGGCCTCT	29216	hsa-miR-4690-3p;Derives_from=MI0017323

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002049	11_+_65403818_65403839	TGCAGCCCAGCTGAGGCCTCTG	29217	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002050	11_+_65403818_65403840	TGCAGCCCAGCTGAGGCCTCTGC	29218	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002051	11_+_65403818_65403841	TGCAGCCCAGCTGAGGCCTCTGCT	29219	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002052	11_+_65403818_65403842	TGCAGCCCAGCTGAGGCCTCTGCTG	29220	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002053	11_+_65403819_65403835	GCAGCCCAGCTGAGGCC	29221	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002054	11_+_65403819_65403836	GCAGCCCAGCTGAGGCCT	29222	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002055	11_+_65403819_65403837	GCAGCCCAGCTGAGGCCTC	29223	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002056	11_+_65403819_65403838	GCAGCCCAGCTGAGGCCTCT	29224	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002057	11_+_65403819_65403840	GCAGCCCAGCTGAGGCCTCTGC	29225	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002058	11_+_65403819_65403841	GCAGCCCAGCTGAGGCCTCTGCT	29226	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002059	11_+_65403819_65403842	GCAGCCCAGCTGAGGCCTCTGCTG	29227	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002060	11_+_65403819_65403843	GCAGCCCAGCTGAGGCCTCTGCTGT	29228	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002061	11_+_65403819_65403844	GCAGCCCAGCTGAGGCCTCTGCTGTC	29229	hsa-miR-4690-3p;Derives_from=MI0017323
NovelMiR_KnownLoci_ID0002062	11_+_65416663_65416685	GGGGGTGGGGCTAGTGATGCAGG	29230	hsa-miR-4489;Derives_from=MI0016850
NovelMiR_KnownLoci_ID0002063	11_+_65416668_65416686	TGGGGCTAGTGATGCAGGA	29231	hsa-miR-4489;Derives_from=MI0016850
NovelMiR_KnownLoci_ID0002064	11_+_65416668_65416687	TGGGGCTAGTGATGCAGGAC	29232	hsa-miR-4489;Derives_from=MI0016850

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002065	11_+_65416668_65416689	TGGGGCTAGTGATGCAGGACGC	29233	hsa-miR-4489;Derives_from=MI0016850
NovelMiR_KnownLoci_ID0002066	11_+_65416668_65416690	TGGGGCTAGTGATGCAGGACGCT	29234	hsa-miR-4489;Derives_from=MI0016850
NovelMiR_KnownLoci_ID0002067	11_+_65416670_65416688	GGGCTAGTGATGCAGGACG	29235	hsa-miR-4489;Derives_from=MI0016850
NovelMiR_KnownLoci_ID0002068	11_+_65416678_65416694	GATGCAGGACGCTGGGG	29236	hsa-miR-4489;Derives_from=MI0016850
NovelMiR_KnownLoci_ID0002069	1_+_165877154_165877171	ACTGTATTTAAGAAAACA	29237	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002070	1_+_165877154_165877172	ACTGTATTTAAGAAAACAC	29238	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002071	1_+_165877154_165877173	ACTGTATTTAAGAAAACACC	29239	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002072	1_+_165877154_165877174	ACTGTATTTAAGAAAACACCA	29240	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002073	1_+_165877154_165877176	ACTGTATTTAAGAAAACACCATG	29241	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002074	1_+_165877156_165877178	TGTATTTAAGAAAACACCATGGA	29242	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002075	1_+_165877166_165877186	AAAACACCATGGAGATGAAAT	29243	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002076	1_+_165877168_165877187	AACACCATGGAGATGAAATG	29244	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002077	1_+_165877169_165877187	ACACCATGGAGATGAAATG	29245	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002078	1_+_165877170_165877187	CACCATGGAGATGAAATG	29246	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002079	1_+_165877172_165877187	CCATGGAGATGAAATG	29247	hsa-miR-3658;Derives_from=MI0016058
NovelMiR_KnownLoci_ID0002080	1_-_166124004_166124022	AGAACCAGGATTCAGACTC	29248	hsa-miR-921;Derives_from=MI0005713

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002081	1_-_166124004_166124025	GACAGAACCAGGATTCAGACTC	29249	hsa-miR-921;Derives_from=MI0005713
NovelMiR_KnownLoci_ID0002082	1_-_166124009_166124030	TGAGGGACAGAACCAGGATTCA	29250	hsa-miR-921;Derives_from=MI0005713
NovelMiR_KnownLoci_ID0002083	11_-_66701946_66701968	TATAAAATGAGGGCAGTAAGACC	29251	hsa-miR-3163;Derives_from=MI0014193
NovelMiR_KnownLoci_ID0002084	11_-_66701947_66701965	AAAATGAGGGCAGTAAGAC	29252	hsa-miR-3163;Derives_from=MI0014193
NovelMiR_KnownLoci_ID0002085	11_-_66701948_66701968	TATAAAATGAGGGCAGTAAGA	29253	hsa-miR-3163;Derives_from=MI0014193
NovelMiR_KnownLoci_ID0002086	11_-_66701949_66701968	TATAAAATGAGGGCAGTAAG	29254	hsa-miR-3163;Derives_from=MI0014193
NovelMiR_KnownLoci_ID0002087	11_+_66813153_66813172	AACTGGGCAGGGCTGTGGTG	29255	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002088	11_+_66813153_66813175	AACTGGGCAGGGCTGTGGTGAGT	29256	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002089	11_+_66813154_66813173	ACTGGGCAGGGCTGTGGTGA	29257	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002090	11_+_66813154_66813174	ACTGGGCAGGGCTGTGGTGAG	29258	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002091	11_+_66813155_66813175	CTGGGCAGGGCTGTGGTGAGT	29259	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002092	11_+_66813155_66813177	CTGGGCAGGGCTGTGCTGAGTGA	29260	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002093	11_+_66813156_66813176	TGGGCAGGGCTGTGGTGAGTG	29261	hsa-miR-6860;Derives_from=MI0022707
NovelMiR_KnownLoci_ID0002094	11_+_67257717_67257739	TGGAGGGGGGTGTGGAGCCAGGG	29262	hsa-miR-6752-5p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002095	11_+_67257719_67257742	GAGGGGGGTGTGGAGCCAGGGGGC	29263	hsa-miR-6752-5p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002096	11_+_67257720_67257742	AGGGGGGTGTGGAGCCAGGGGGC	29264	hsa-miR-6752-5p;Derives_from=MI0022597

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002097	11_+_67257720_67257743	AGGGGGGTGTGGAGCCAGGGGGCC	29265	hsa-miR-6752-5p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002098	11_+_67257722_67257742	GGGGGTGTGGAGCCAGGGGGC	29266	hsa-miR-6752-5p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002099	11_+_67257762_67257781	CCGCTCCCTGCCCCCATACT	29267	hsa-miR-6752-3p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002100	11_+_67257762_67257782	CCGCTCCCTGCCCCCATACTC	29268	hsa-miR-6752-3p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002101	11_+_67257766_67257787	TCCCTGCCCCCATACTCCCAGG	29269	hsa-miR-6752-3p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002102	11_+_67257766_67257788	TCCCTGCCCCCATACTCCCAGGA	29270	hsa-miR-6752-3p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002103	11_+_67257766_67257789	TCCCTGCCCCCATACTCCCAGGAA	29271	hsa-miR-6752-3p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002104	11_+_67257767_67257787	CCCTGCCCCCATACTCCCAGG	29272	hsa-miR-6752-3p;Derives_from=MI0022597
NovelMiR_KnownLoci_ID0002105	11_+_67800330_67800352	GCTCCAGGGAGACAGTGTGTGAG	29273	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002106	11_+_67800331_67800352	CTCCAGGGAGACAGTGTGTGAG	29274	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002107	11_+_67800331_67800353	CTCCAGGGAGACAGTGTGTGAGG	29275	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002108	11_+_67800331_67800354	CTCCAGGGAGACAGTGTGTGAGGC	29276	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002109	11_+_67800331_67800355	CTCCAGGGAGACAGTGTGTGAGGC C	29277	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002110	11_+_67800332_67800353	TCCAGGGAGACAGTGTGTGAGG	29278	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002111	11_+_67800332_67800354	TCCAGGGAGACAGTGTGTGAGGC	29279	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002112	11_+_67800332_67800355	TCCAGGGAGACAGTGTGTGAGGCC	29280	hsa-miR-7113-5p;Derives_from=MI0022964

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002113	11_+_67800332_67800356	TCCAGGGAGACAGTGTGTGAGGCCT	29281	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002114	11_+_67800332_67800357	TCCAGGGAGACAGTGTGTGAGGCCTC	29282	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002115	11_+_67800333_67800352	CCAGGGAGACAGTGTGTGAG	29283	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002116	11_+_67800333_67800353	CCAGGGAGACAGTGTGTGAGG	29284	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002117	11_+_67800333_67800354	CCAGGGAGACAGTGTGTGAGGC	29285	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002118	11_+_67800333_67800355	CCAGGGAGACAGTGTGTGAGGCC	29286	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002119	11_+_67800334_67800354	CAGGGAGACAGTGTGTGAGGC	29287	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002120	11_+_67800334_67800355	CAGGGAGACAGTGTGTGAGGCC	29288	hsa-miR-7113-5p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002121	11_+_67800361_67800383	CCATGGCCTCCCTGCCCGCCTCT	29289	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002122	11_+_67800367_67800387	CCTCCCTGCCCGCCTCTCTGC	29290	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002123	11_+_67800367_67800388	CCTCCCTGCCCGCCTCTCTGCA	29291	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002124	11_+_67800368_67800388	CTCCCTGCCCGCCTCTCTGCA	29292	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002125	11_+_67800368_67800390	CTCCCTGCCCGCCTCTCTGCAGA	29293	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002126	11_+_67800369_67800387	TCCCTGCCCGCCTCTCTGC	29294	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002127	11_+_67800369_67800388	TCCCTGCCCGCCTCTCTGCA	29295	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002128	11_+_67800369_67800389	TCCCTGCCCGCCTCTCTGCAG	29296	hsa-miR-7113-3p;Derives_from=MI0022964

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002129	11_+_67800369_67800390	TCCCTGCCCGCCTCTCTGCAGA	29297	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002130	11_+_67800369_67800391	TCCCTGCCCGCCTCTCTGCAGAG	29298	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002131	11_+_67800369_67800392	TCCCTGCCCGCCTCTCTGCAGAGT	29299	hsa-miR-7113-3p;Derives_from=MI0022964
NovelMiR_KnownLoci_ID0002132	11_+_67801371_67801396	TCCCAGGTCCTCCAGGCCATGAGC TG	29300	hsa-miR-4691-5p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002133	11_+_67801375_67801400	AGGTCCTCCAGGCCATGAGCTGCG GC	29301	hsa-miR-4691-5p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002134	11_+_67801415_67801436	TCCAGCCACGGACTGAGAGTGC	29302	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002135	11_+_67801415_67801437	TCCAGCCACGGACTGAGAGTGCA	29303	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002136	11_+_67801415_67801438	TCCAGCCACGGACTGAGAGTGCAT	29304	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002137	11_+_67801416_67801436	CCAGCCACGGACTGAGAGTGC	29305	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002138	11_+_67801416_67801437	CCAGCCACGGACTGAGAGTGCA	29306	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002139	11_+_67801416_67801439	CCAGCCACGGACTGAGAGTGCATA	29307	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002140	11_+_67801419_67801440	GCCACGGACTGAGAGTGCATAG	29308	hsa-miR-4691-3p;Derives_from=MI0017324
NovelMiR_KnownLoci_ID0002141	11_+_67812260_67812282	CCACCAGGGCAGAGCAGGGCTGA	29309	hsa-miR-6753-5p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002142	11_+_67812260_67812283	CCACCAGGGCAGAGCAGGGCTGAT	29310	hsa-miR-6753-5p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002143	11_+_67812260_67812284	CCACCAGGGCAGAGCAGGGCTGAT C	29311	hsa-miR-6753-5p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002144	11_+_67812260_67812285	CCACCAGGGCAGAGCAGGGCTGAT CA	29312	hsa-miR-6753-5p;Derives_from=MI0022598

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002145	11_+_67812261_67812283	CACCAGGGCAGAGCAGGGCTGAT	29313	hsa-miR-6753-5p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002146	11_+_67812399_67812418	TGGTCTGTCTCTGCCCTGGC	29314	hsa-miR-6753-3p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002147	11_+_67812399_67812419	TGGTCTGTCTCTGCCCTGGCA	29315	hsa-miR-6753-3p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002148	11_+_67812399_67812421	TGGTCTGTCTCTGCCCTGGCACC	29316	hsa-miR-6753-3p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002149	11_+_67812399_67812424	TGGTCTGTCTCTGCCCTGGCACCCAG	29317	hsa-miR-6753-3p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002150	11_+_67812402_67812425	TCTGTCTCTGCCCTGGCACCCAGA	29318	hsa-miR-6753-3p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002151	11_+_67812402_67812426	TCTGTCTCTGCCCTGGCACCCAGAT	29319	hsa-miR-6753-3p;Derives_from=MI0022598
NovelMiR_KnownLoci_ID0002152	1_+_167967903_167967926	CGGATGAGCAAAGAAAGTGGTTTG	29320	hsa-miR-1255b-5p;Derives_from=MI0006436
NovelMiR_KnownLoci_ID0002153	1_+_167967903_167967928	CGGATGAGCAAAGAAAGTGGTTTGCG	29321	hsa-miR-1255b-5p;Derives_from=MI0006436
NovelMiR_KnownLoci_ID0002154	1_+_167967903_167967929	CGGATGAGCAAAGAAAGTGGTTTGCGC	29322	hsa-miR-1255b-5p;Derives_from=MI0006436
NovelMiR_KnownLoci_ID0002155	11_+_68850650_68850675	AACTGTGACTTTAAGGGAAATGGCGC	29323	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002156	11_+_68850652_68850673	CTGTGACTTTAAGGGAAATGGC	29324	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002157	11_+_68850652_68850675	CTGTGACTTTAAGGGAAATGGCGC	29325	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002158	11_+_68850653_68850672	TGTGACTTTAAGGGAAATGG	29326	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002159	11_+_68850653_68850673	TGTGACTTTAAGGGAAATGGC	29327	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002160	11_+_68850653_68850675	TGTGACTTTAAGGGAAATGGCGC	29328	hsa-miR-3164;Derives_from=MI0014194

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002161	11_+_68850654_68850674	GTGACTTTAAGGGAAATGGCG	29329	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002162	11_+_68850655_68850674	TGACTTTAAGGGAAATGGCG	29330	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002163	11_+_68850656_68850674	GACTTTAAGGGAAATGGCG	29331	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002164	11_+_68850657_68850674	ACTTTAAGGGAAATGGCG	29332	hsa-miR-3164;Derives_from=MI0014194
NovelMiR_KnownLoci_ID0002165	1_-_170120575_170120597	TCTGGCTTTTAACTTTGATGGCA	29333	hsa-miR-3119;Derives_from=MI0014134
NovelMiR_KnownLoci_ID0002166	11_+_70130088_70130110	GTGCAAAAGTACTTGCGGATTTT	29334	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002167	11_+_70130091_70130111	CAAAAGTACTTGCGGATTTTG	29335	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002168	11_+_70130091_70130112	CAAAAGTACTTGCGGATTTTGC	29336	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002169	11_+_70130091_70130113	CAAAAGTACTTGCGGATTTTGCT	29337	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002170	11_+_70130092_70130111	AAAAGTACTTGCGGATTTTG	29338	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002171	11_+_70130092_70130112	AAAAGTACTTGCGGATTTTGC	29339	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002172	11_+_70130092_70130114	AAAAGTACTTGCGGATTTTGCTT	29340	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002173	11_+_70130092_70130115	AAAAGTACTTGCGGATTTTGCTTT	29341	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002174	11_+_70130092_70130116	AAAAGTACTTGCGGATTTTGCTTTA	29342	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002175	11_+_70130092_70130117	AAAAGTACTTGCGGATTTTGCTTTAC	29343	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002176	11_+_70130092_70130118	AAAAGTACTTGCGGATTTTGCTTTACT	29344	hsa-miR-548k;Derives_from=MI0006354

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002177	11_+_70130095_70130113	AGTACTTGCGGATTTTGCT	29345	hsa-miR-548k;Derives_from=MI0006354
NovelMiR_KnownLoci_ID0002178	11_-_70718388_70718412	CAGGAGTAAAGACAGAGTTCCCTAC	29346	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002179	11_-_70718389_70718411	AGGAGTAAAGACAGAGTTCCCTA	29347	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002180	11_-_70718389_70718412	CAGGAGTAAAGACAGAGTTCCCTA	29348	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002181	11_-_70718389_70718413	TCAGGAGTAAAGACAGAGTTCCCTA	29349	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002182	11_-_70718389_70718415	TCTCAGGAGTAAAGACAGAGTTCCCTA	29350	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002183	11_-_70718390_70718409	GAGTAAAGACAGAGTTCCCT	29351	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002184	11_-_70718390_70718411	AGGAGTAAAGACAGAGTTCCCT	29352	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002185	11_-_70718390_70718412	CAGGAGTAAAGACAGAGTTCCCT	29353	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002186	11_-_70718391_70718412	CAGGAGTAAAGACAGAGTTCCC	29354	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002187	11_-_70718391_70718413	TCAGGAGTAAAGACAGAGTTCCC	29355	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002188	11_-_70718392_70718412	CAGGAGTAAAGACAGAGTTCC	29356	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002189	11_-_70718392_70718413	TCAGGAGTAAAGACAGAGTTCC	29357	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002190	11_-_70718393_70718412	CAGGAGTAAAGACAGAGTTC	29358	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002191	11_-_70718393_70718413	TCAGGAGTAAAGACAGAGTTC	29359	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002192	11_-_70718393_70718415	TCTCAGGAGTAAAGACAGAGTTC	29360	hsa-miR-3664-3p;Derives_from=MI0016065

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002193	11_-_70718393_70718416	CTCTCAGGAGTAAAGACAGAGTTC	29361	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002194	11_-_70718394_70718413	TCAGGAGTAAAGACAGAGTT	29362	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002195	11_-_70718395_70718415	TCTCAGGAGTAAAGACAGAGT	29363	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002196	11_-_70718396_70718413	TCAGGAGTAAAGACAGAG	29364	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002197	11_-_70718396_70718416	CTCTCAGGAGTAAAGACAGAG	29365	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002198	11_-_70718397_70718415	TCTCAGGAGTAAAGACAGA	29366	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002199	11_-_70718398_70718415	TCTCAGGAGTAAAGACAG	29367	hsa-miR-3664-3p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002200	11_-_70718426_70718450	TCTGTCTTCACTCATGAGTACCTTC	29368	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002201	11_-_70718429_70718450	TCTGTCTTCACTCATGAGTACC	29369	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002202	11_-_70718429_70718453	AACTCTGTCTTCACTCATGAGTACC	29370	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002203	11_-_70718430_70718450	TCTGTCTTCACTCATGAGTAC	29371	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002204	11_-_70718430_70718451	CTCTGTCTTCACTCATGAGTAC	29372	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002205	11_-_70718430_70718452	ACTCTGTCTTCACTCATGAGTAC	29373	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002206	11_-_70718431_70718453	AACTCTGTCTTCACTCATGAGTA	29374	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002207	11_-_70718431_70718454	GAACTCTGTCTTCACTCATGAGTA	29375	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002208	11_-_70718432_70718452	ACTCTGTCTTCACTCATGAGT	29376	hsa-miR-3664-5p;Derives_from=MI0016065

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002209	11_-_70718433_70718453	AACTCTGTCTTCACTCATGAG	29377	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002210	11_-_70718433_70718454	GAACTCTGTCTTCACTCATGAG	29378	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002211	11_-_70718433_70718455	GGAACTCTGTCTTCACTCATGAG	29379	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002212	11_-_70718434_70718453	AACTCTGTCTTCACTCATGA	29380	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002213	11_-_70718434_70718454	GAACTCTGTCTTCACTCATGA	29381	hsa-miR-3664-5p;Derives_from=MI0016065
NovelMiR_KnownLoci_ID0002214	1_-_171070873_171070899	TTAGGCCGCAGATCTGGGTGAAATGTC	29382	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002215	1_-_171070874_171070899	TTAGGCCGCAGATCTGGGTGAAATGT	29383	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002216	1_-_171070875_171070899	TTAGGCCGCAGATCTGGGTGAAATG	29384	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002217	1_-_171070876_171070899	TTAGGCCGCAGATCTGGGTGAAAT	29385	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002218	1_+_171070877_171070897	TTTCACCCAGATCTGCGGCCT	29386	hsa-miR-1295b-5p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002219	1_-_171070877_171070899	TTAGGCCGCAGATCTGGGTGAAA	29387	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002220	1_-_171070878_171070899	TTAGGCCGCAGATCTGGGTGAA	29388	hsa-miR-1295a;Derives_from=MI0006357

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002221	1_-_171070879_171070898	TAGGCCGCAGATCTGGGTGA	29389	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002222	1_-_171070879_171070900	ATTAGGCCGCAGATCTGGGTGA	29390	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002223	1_+_171070879_171070900	TCACCCAGATCTGCGGCCTAAT	29391	hsa-miR-1295b-5p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002224	1_+_171070879_171070901	TCACCCAGATCTGCGGCCTAATC	29392	hsa-miR-1295b-5p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002225	1_-_171070880_171070899	TTAGGCCGCAGATCTGGGTG	29393	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002226	1_+_171070880_171070899	CACCCAGATCTGCGGCCTAA	29394	hsa-miR-1295b-5p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002227	1_+_171070880_171070901	CACCCAGATCTGCGGCCTAATC	29395	hsa-miR-1295b-5p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002228	1_-_171070881_171070899	TTAGGCCGCAGATCTGGGT	29396	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002229	1_-_171070882_171070899	TTAGGCCGCAGATCTGGG	29397	hsa-miR-1295a;Derives_from=MI0006357
NovelMiR_KnownLoci_ID0002230	1_+_171070918_171070937	AATAGGCCACGGATCTGGGC	29398	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002231	1_+_171070918_171070938	AATAGGCCACGGATCTGGGCA	29399	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002232	1_+_171070918_171070940	AATAGGCCACGGATCTGGGCAAA	29400	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002233	1_+_171070918_171070943	AATAGGCCACGGATCTGGGCAAAATG	29401	hsa-miR-1295b-3p;Derives_from=MI0019146

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002234	1_+_171070919_171070936	ATAGGCCACGGATCTGGG	29402	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002235	1_+_171070919_171070937	ATAGGCCACGGATCTGGGC	29403	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002236	1_+_171070919_171070940	ATAGGCCACGGATCTGGGCAAA	29404	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002237	1_+_171070919_171070943	ATAGGCCACGGATCTGGGCAAAATG	29405	hsa-miR-1295b-3p;Derives_from=MI0019146
NovelMiR_KnownLoci_ID0002238	11_+_71184554_71184571	CCAGGGAGGCTGGTTTGG	29406	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002239	11_+_71184554_71184572	CCAGGGAGGCTGGTTTGGA	29407	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002240	11_+_71184554_71184573	CCAGGGAGGCTGGTTTGGAG	29408	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002241	11_+_71184554_71184574	CCAGGGAGGCTGGTTTGGAGG	29409	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002242	11_+_71184554_71184576	CCAGGGAGGCTGGTTTGGAGGAG	29410	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002243	11_+_71184554_71184577	CCAGGGAGGCTGGTTTGGAGGAGT	29411	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002244	11_+_71184554_71184578	CCAGGGAGGCTGGTTTGGAGGAGTC	29412	hsa-miR-6754-5p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002245	11_+_71184586_71184609	CTGTTCTCTTCACCTGCCTCTGCC	29413	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002246	11_+_71184590_71184614	TCTCTTCACCTGCCTCTGCCTGCAG	29414	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002247	11_+_71184590_71184615	TCTCTTCACCTGCCTCTGCCTGCAGC	29415	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002248	11_+_71184592_71184612	TCTTCACCTGCCTCTGCCTGC	29416	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002249	11_+_71184592_71184614	TCTTCACCTGCCTCTGCCTGCAG	29417	hsa-miR-6754-3p;Derives_from=MI0022599

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002250	11_+_71184592_71184615	TCTTCACCTGCCTCTGCCTGCAGC	29418	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002251	11_+_71184593_71184613	CTTCACCTGCCTCTGCCTGCA	29419	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002252	11_+_71184593_71184614	CTTCACCTGCCTCTGCCTGCAG	29420	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002253	11_+_71184593_71184615	CTTCACCTGCCTCTGCCTGCAGC	29421	hsa-miR-6754-3p;Derives_from=MI0022599
NovelMiR_KnownLoci_ID0002254	11_-_71783316_71783339	AGGTGGATGCAATGTGACCTCAAC	29422	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002255	11_-_71783317_71783339	AGGTGGATGCAATGTGACCTCAA	29423	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002256	11_-_71783318_71783336	TGGATGCAATGTGACCTCA	29424	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002257	11_-_71783318_71783337	GTGGATGCAATGTGACCTCA	29425	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002258	11_-_71783318_71783338	GGTGGATGCAATGTGACCTCA	29426	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002259	11_-_71783319_71783338	GGTGGATGCAATGTGACCTC	29427	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002260	11_-_71783319_71783339	AGGTCGATGCAATGTGACCTC	29428	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002261	11_-_71783319_71783340	AAGGTGGATGCAATGTGACCTC	29429	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002262	11_-_71783319_71783341	CAAGGTGGATGCAATGTGACCTC	29430	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002263	11_-_71783320_71783339	AGGTGGATGCAATGTGACCT	29431	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002264	11_-_71783320_71783340	AAGGTGGATGCAATGTGACCT	29432	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002265	11_-_71783320_71783341	CAAGGTGGATGCAATGTGACCT	29433	hsa-miR-3165;Derives_from=MI0014195

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002266	11_-_71783321_71783340	AAGGTGGATGCAATGTGACC	29434	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002267	11_-_71783321_71783341	CAAGGTGGATGCAATGTGACC	29435	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002268	11_-_71783322_71783341	CAAGGTGGATGCAATGTGAC	29436	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002269	11_-_71783323_71783341	CAAGGTGGATGCAATGTGA	29437	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002270	11_-_71783324_71783341	CAAGGTGGATGCAATGTG	29438	hsa-miR-3165;Derives_from=MI0014195
NovelMiR_KnownLoci_ID0002271	1_-_17185449_17185470	TCTAAGGAACTCCCCCAAACTG	29439	hsa-miR-3675-3p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002272	1_-_17185479_17185504	ATGGGGCTTCTGTAGAGATTTCTATG	29440	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002273	1_-_17185482_17185504	ATGGGGCTTCTGTAGAGATTTCT	29441	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002274	1_-_17185483_17185504	ATGGGGCTTCTGTAGAGATTTC	29442	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002275	1_-_17185484_17185504	ATGGGGCTTCTGTAGAGATTT	29443	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002276	1_-_17185484_17185505	TATGGGGCTTCTGTAGAGATTT	29444	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002277	1_-_17185485_17185504	ATGGGGCTTCTGTAGAGATT	29445	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002278	1_-_17185485_17185505	TATGGGGCTTCTGTAGAGATT	29446	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002279	1_-_17185485_17185506	TTATGGGGCTTCTGTAGAGATT	29447	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002280	1_-_17185486_17185504	ATGGGGCTTCTGTAGAGAT	29448	hsa-miR-3675-5p;Derives_from=MI0016076
NovelMiR_KnownLoci_ID0002281	1_-_172107954_172107977	ACAGCAGGCACAGACAGGCAGTCA	29449	hsa-miR-214-3p;Derives_from=MI0000290

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002282	1_+_172107955_172107976	GACTGCCTGTCTGTGCCTGCTG	29450	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002283	1_-_172107955_172107977	ACAGCAGGCACAGACAGGCAGTC	29451	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002284	1_-_172107955_172107978	TACAGCAGGCACAGACAGGCAGTC	29452	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002285	1_-_172107955_172107979	GTACAGCAGGCACAGACAGGCAGTC	29453	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002286	1_+_172107956_172107977	ACTGCCTGTCTGTGCCTGCTGT	29454	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002287	1_-_172107956_172107978	TACAGCAGGCACAGACAGGCAGT	29455	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002288	1_-_172107957_172107977	ACAGCAGGCACAGACAGGCAG	29456	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002289	1_-_172107957_172107978	TACAGCAGGCACAGACAGGCAG	29457	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002290	1_+_172107957_172107978	CTGCCTGTCTGTGCCTGCTGTA	29458	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002291	1_-_172107957_172107979	GTACAGCAGGCACAGACAGGCAG	29459	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002292	1_+_172107957_172107980	CTGCCTGTCTGTGCCTGCTGTACA	29460	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002293	1_-_172107958_172107977	ACAGCAGGCACAGACAGGCA	29461	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002294	1_-_172107958_172107978	TACAGCAGGCACAGACAGGCA	29462	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002295	1_+_172107958_172107979	TGCCTGTCTGTGCCTGCTGTAC	29463	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002296	1_-_172107959_172107978	TACAGCAGGCACAGACAGGC	29464	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002297	1_-_172107960_172107978	TACAGCAGGCACAGACAGG	29465	hsa-miR-214-3p;Derives_from=MI0000290

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002298	1_-_172107960_172107979	GTACAGCAGGCACAGACAGG	29466	hsa-miR-214-3p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002299	1_+_172107960_172107979	CCTGTCTGTGCCTGCTGTAC	29467	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002300	1_+_172107960_172107981	CCTGTCTGTGCCTGCTGTACAG	29468	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002301	1_+_172107960_172107982	CCTGTCTGTGCCTGCTGTACAGG	29469	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002302	1_+_172107960_172107983	CCTGTCTGTGCCTGCTGTACAGGT	29470	hsa-miR-3120-5p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002303	1_-_172107992_172108016	CCTGTCTACACTTGCTGTGCAGAAC	29471	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002304	1_-_172107995_172108017	GCCTGTCTACACTTGCTGTGCAG	29472	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002305	1_-_172107995_172108018	TGCCTGTCTACACTTGCTGTGCAG	29473	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002306	1_-_172107996_172108017	GCCTGTCTACACTTGCTGTGCA	29474	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002307	1_-_172107996_172108018	TGCCTGTCTACACTTGCTGTGCA	29475	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002308	1_-_172107997_172108017	GCCTGTCTACACTTGCTGTGC	29476	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002309	1_+_172107997_172108017	GCACAGCAAGTGTAGACAGGC	29477	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002310	1_+_172107997_172108018	GCACAGCAAGTGTAGACAGGCA	29478	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002311	1_+_172107997_172108019	GCACAGCAAGTGTAGACAGGCAG	29479	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002312	1_+_172107997_172108020	GCACAGCAAGTGTAGACAGGCAGA	29480	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002313	1_+_172107998_172108016	CACAGCAAGTGTAGACAGG	29481	hsa-miR-3120-3p;Derives_from=MI0014136

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002314	1_-_172107998_172108017	GCCTGTCTACACTTGCTGTG	29482	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002315	1_+_172107998_172108017	CACAGCAAGTGTAGACAGGC	29483	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002316	1_-_172107998_172108018	TGCCTGTCTACACTTGCTGTG	29484	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002317	1_+_172107998_172108019	CACAGCAAGTGTAGACAGGCAG	29485	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002318	1_+_172107998_172108020	CACAGCAAGTGTAGACAGGCAGA	29486	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002319	1_+_172107998_172108021	CACAGCAAGTGTAGACAGGCAGAC	29487	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002320	1_-_172107999_172108018	TGCCTGTCTACACTTGCTGT	29488	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002321	1_+_172107999_172108018	ACAGCAAGTGTAGACAGGCA	29489	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002322	1_+_172107999_172108019	ACAGCAAGTGTAGACAGGCAG	29490	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002323	1_+_172107999_172108020	ACAGCAAGTGTAGACAGGCAGA	29491	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002324	1_+_172107999_172108021	ACAGCAAGTGTAGACAGGCAGAC	29492	hsa-miR-3120-3p;Derives_from=MI0014136
NovelMiR_KnownLoci_ID0002325	1_-_172108000_172108018	TGCCTGTCTACACTTGCTG	29493	hsa-miR-214-5p;Derives_from=MI0000290
NovelMiR_KnownLoci_ID0002326	1_-_172113688_172113715	ACAGTAGTCTGCACATTGGTTAGACTGG	29494	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002327	1_-_172113689_172113715	ACAGTAGTCTGCACATTGGTTAGACTG	29495	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002328	1_-_172113690_172113715	ACAGTAGTCTGCACATTGGTTAGACT	29496	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002329	1_-_172113691_172113715	ACAGTAGTCTGCACATTGGTTAGAC	29497	hsa-miR-199a-3p;Derives_from=MI0000281

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002330	1_-_172113691_172113716	TACAGTAGTCTGCACATTGGTTAGAC	29498	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002331	1_-_172113692_172113714	CAGTAGTCTGCACATTGGTTAGA	29499	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002332	1_-_172113692_172113715	ACAGTAGTCTGCACATTGGTTAGA	29500	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002333	1_-_172113692_172113716	TACAGTAGTCTGCACATTGGTTAGA	29501	hsa-miR-199a-3p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002334	1_-_172113727_172113754	CCCAGTGTTCAGACTACCTGTTCAGGAC	29502	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002335	1_-_172113731_172113755	CCCCAGTGTTCAGACTACCTGTTCA	29503	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002336	1_-_172113732_172113755	CCCCAGTGTTCAGACTACCTGTTC	29504	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002337	1_-_172113733_172113754	CCCAGTGTTCAGACTACCTGTT	29505	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002338	1_-_172113733_172113755	CCCCAGTGTTCAGACTACCTGTT	29506	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002339	1_-_172113733_172113756	GCCCCAGTGTTCAGACTACCTGTT	29507	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002340	1_-_172113734_172113754	CCCACTGTTCAGACTACCTGT	29508	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002341	1_-_172113734_172113755	CCCCAGTGTTCAGACTACCTGT	29509	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002342	1_-_172113734_172113756	GCCCCAGTGTTCAGACTACCTGT	29510	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002343	1_-_172113734_172113757	CGCCCCAGTGTTCAGACTACCTGT	29511	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002344	1_-_172113735_172113755	CCCCAGTGTTCAGACTACCTG	29512	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002345	1_-_172113736_172113755	CCCCAGTGTTCAGACTACCT	29513	hsa-miR-199a-5p;Derives_from=MI0000281

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002346	1_-_172113738_172113755	CCCCAGTGTTCAGACTAC	29514	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002347	1_-_172113739_172113755	CCCCAGTGTTCAGACTA	29515	hsa-miR-199a-5p;Derives_from=MI0000281
NovelMiR_KnownLoci_ID0002348	11_-_72326107_72326132	TGGAGACGCGGCCCTGTTGGAGTAAC	29516	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002349	11_-_72326108_72326129	AGACGCGGCCCTGTTGGAGTAA	29517	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002350	11_-_72326108_72326132	TGGAGACGCGGCCCTGTTGGAGTAA	29518	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002351	11_-_72326109_72326129	AGACGCGGCCCTGTTGGAGTA	29519	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002352	11_-_72326109_72326132	TGGAGACGCGGCCCTGTTGGAGTA	29520	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002353	11_-_72326110_72326125	GCGGCCCTGTTGGAGT	29521	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002354	11_-_72326110_72326127	ACGCGGCCCTGTTGGAGT	29522	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002355	11_-_72326110_72326129	AGACGCGGCCCTGTTGGAGT	29523	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002356	11_-_72326110_72326131	GGAGACGCGGCCCTGTTGGAGT	29524	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002357	11_-_72326111_72326132	TGGAGACGCGGCCCTGTTGGAG	29525	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002358	11_-_72326112_72326128	GACGCGGCCCTGTTGGA	29526	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002359	11_-_72326112_72326132	TGGAGACGCGGCCCTGTTGGA	29527	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002360	11_-_72326113_72326132	TGGAGACGCGGCCCTGTTGG	29528	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002361	11_-_72326114_72326132	TGGAGACGCGGCCCTGTTG	29529	hsa-miR-139-3p;Derives_from=MI0000261

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002362	11_-_72326117_72326132	TGGAGACGCGGCCCTG	29530	hsa-miR-139-3p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002363	11_-_72326142_72326168	TCTACAGTGCACGTGTCTCCAGTGTGG	29531	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002364	11_-_72326144_72326168	TCTACAGTGCACGTGTCTCCAGTGT	29532	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002365	11_-_72326145_72326167	CTACAGTGCACGTGTCTCCAGTG	29533	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002366	11_-_72326145_72326168	TCTACAGTGCACGTGTCTCCAGTG	29534	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002367	11_-_72326147_72326168	TCTACAGTGCACGTGTCTCCAG	29535	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002368	11_-_72326148_72326168	TCTACAGTGCACGTGTCTCCA	29536	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002369	11_-_72326149_72326168	TCTACAGTGCACGTGTCTCC	29537	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002370	11_-_72326150_72326168	TCTACAGTGCACGTGTCTC	29538	hsa-miR-139-5p;Derives_from=MI0000261
NovelMiR_KnownLoci_ID0002371	11_+_72494611_72494631	TCAGGCAGTGTGGGTATCAGA	29539	hsa-miR-4692;Derives_from=MI0017325
NovelMiR_KnownLoci_ID0002372	11_+_7256002_7256021	TAAGTGCTTCCATGCTTCAG	29540	hsa-miR-302e;Derives_from=MI0006417
NovelMiR_KnownLoci_ID0002373	11_+_7256002_7256024	TAAGTGCTTCCATGCTTCAGTTT	29541	hsa-miR-302e;Derives_from=MI0006417
NovelMiR_KnownLoci_ID0002374	11_+_7256003_7256024	AAGTGCTTCCATGCTTCAGTTT	29542	hsa-miR-302e;Derives_from=MI0006417
NovelMiR_KnownLoci_ID0002375	11_+_74110340_74110356	GGCAAAAACGGCAATGA	29543	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002376	11_+_74110345_74110364	AAACGGCAATGACTTTTGTA	29544	hsa-miR-548al;Derives_from=MI0016851

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002377	11_+_74110345_74110365	AAACGGCAATGACTTTTGTAC	29545	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002378	11_+_74110345_74110366	AAACGGCAATGACTTTTGTACC	29546	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002379	11_+_74110345_74110367	AAACGGCAATGACTTTTGTACCA	29547	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002380	11_+_74110345_74110370	AAACGGCAATGACTTTTGTACCAATC	29548	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002381	11_+_74110346_74110365	AACGGCAATGACTTTTGTAC	29549	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002382	11_+_74110346_74110366	AACGGCAATGACTTTTGTACC	29550	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002383	11_+_74110346_74110368	AACGGCAATGACTTTTGTACCAA	29551	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002384	11_+_74110346_74110369	AACGGCAATGACTTTTGTACCAAT	29552	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002385	11_+_74110346_74110370	AACGGCAATGACTTTTGTACCAATC	29553	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002386	11_+_74110347_74110366	ACGGCAATGACTTTTGTACC	29554	hsa-miR-548al;Derives_from=MI0016851

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002387	11_+_74110347_74110367	ACGGCAATGACTTTTGTACCA	29555	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002388	11_+_74110347_74110368	ACGGCAATGACTTTTGTACCAA	29556	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002389	11_+_74110347_74110370	ACGGCAATGACTTTTGTACCAATC	29557	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002390	11_+_74110348_74110369	CGGCAATGACTTTTGTACCAAT	29558	hsa-miR-548al;Derives_from=MI0016851
NovelMiR_KnownLoci_ID0002391	11_-_74431346_74431368	GACGGATACTGTCATCTATTCCA	29559	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002392	11_-_74431355_74431375	ACTGCAAGACGGATACTGTCA	29560	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002393	11_-_74431356_74431375	ACTGCAAGACGGATACTGTC	29561	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002394	11_-_74431356_74431379	AGCCACTGCAAGACGGATACTGTC	29562	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002395	11_-_74431357_74431379	AGCCACTGCAAGACGGATACTGT	29563	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002396	11_-_74431358_74431379	AGCCACTGCAAGACGGATACTG	29564	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002397	11_-_74431359_74431379	AGCCACTGCAAGACGGATACT	29565	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002398	11_-_74431363_74431379	AGCCACTGCAAGACGGA	29566	hsa-miR-4696;Derives_from=MI0017329
NovelMiR_KnownLoci_ID0002399	11_-_75046149_75046171	CCTCTGGGCCCTTCCTCCAGCCC	29567	hsa-miR-326;Derives_from=MI0000808
NovelMiR_KnownLoci_ID0002400	11_-_75046150_75046171	CCTCTGGGCCCTTCCTCCAGCC	29568	hsa-miR-326;Derives_from=MI0000808

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002401	11_-_75046151_75046171	CCTCTGGGCCCTTCCTCCAGC	29569	hsa-miR-326;Derives_from=MI0000808
NovelMiR_KnownLoci_ID0002402	11_-_75046153_75046171	CCTCTGGGCCCTTCCTCCA	29570	hsa-miR-326;Derives_from=MI0000808
NovelMiR_KnownLoci_ID0002403	1_+_17604439_17604460	GGACCTGCCAGCCCCGTTCCAG	29571	hsa-miR-3972;Derives_from=MI0016990
NovelMiR_KnownLoci_ID0002404	1_+_17604442_17604466	CCTGCCAGCCCCGTTCCAGGGCACA	29572	hsa-miR-3972;Derives_from=MI0016990
NovelMiR_KnownLoci_ID0002405	1_+_17604442_17604467	CCTGCCAGCCCCGTTCCAGGGCACAG	29573	hsa-miR-3972;Derives_from=MI0016990
NovelMiR_KnownLoci_ID0002406	1_-_176998507_176998530	TTGAAAGGCTATTTCTTGGTCAGA	29574	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002407	1_-_176998508_176998530	TTGAAAGGCTATTTCTTGGTCAG	29575	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002408	1_-_176998508_176998531	TTTGAAAGGCTATTTCTTGGTCAG	29576	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002409	1_-_176998509_176998529	TGAAAGGCTATTTCTTGGTCA	29577	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002410	1_-_176998509_176998530	TTGAAAGGCTATTTCTTGGTCA	29578	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002411	1_-_176998509_176998531	TTTGAAAGGCTATTTCTTGGTCA	29579	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002412	1_-_176998510_176998525	AGGCTATTTCTTGGTC	29580	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002413	1_-_176998510_176998529	TGAAAGGCTATTTCTTGGTC	29581	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002414	1_-_176998510_176998536	AATTGTTTGAAAGGCTATTTCTTGGTC	29582	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002415	1_-_176998511_176998530	TTGAAAGGCTATTTCTTGGT	29583	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002416	1_-_176998512_176998530	TTGAAAGGCTATTTCTTGG	29584	hsa-miR-488-3p;Derives_from=MI0003123

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002417	1_-_176998512_176998531	TTTGAAAGGCTATTTCTTGG	29585	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002418	1_-_176998513_176998530	TTGAAAGGCTATTTCTTG	29586	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002419	1_-_176998514_176998530	TTGAAAGGCTATTTCTT	29587	hsa-miR-488-3p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002420	1_-_176998545_176998568	CCCAGATAATGGCACTCTCAAACA	29588	hsa-miR-488-5p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002421	1_-_176998546_176998567	CCAGATAATGGCACTCTCAAAC	29589	hsa-miR-488-5p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002422	1_-_176998546_176998568	CCCAGATAATGGCACTCTCAAAC	29590	hsa-miR-488-5p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002423	1_-_176998547_176998568	CCCAGATAATGGCACTCTCAAA	29591	hsa-miR-488-5p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002424	1_-_176998549_176998568	CCCAGATAATGGCACTCTCA	29592	hsa-miR-488-5p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002425	1_-_176998550_176998568	CCCAGATAATGGCACTCTC	29593	hsa-miR-488-5p;Derives_from=MI0003123
NovelMiR_KnownLoci_ID0002426	1_+_178646898_178646917	AGAGTTAACTCAAAATGGAC	29594	hsa-miR-4424;Derives_from=MI0016763
NovelMiR_KnownLoci_ID0002427	1_+_178646898_178646918	AGAGTTAACTCAAAATGGACT	29595	hsa-miR-4424;Derives_from=MI0016763
NovelMiR_KnownLoci_ID0002428	1_+_178646900_178646919	AGTTAACTCAAAATGGACTA	29596	hsa-miR-4424;Derives_from=MI0016763
NovelMiR_KnownLoci_ID0002429	1_+_178646900_178646921	AGTTAACTCAAAATGGACTAAT	29597	hsa-miR-4424;Derives_from=MI0016763
NovelMiR_KnownLoci_ID0002430	11_-_79113074_79113096	AACTAGACTGTGAGCTTCTAGAG	29598	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002431	11_-_79113074_79113097	CAACTAGACTGTGAGCTTCTAGAG	29599	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002432	11_-_79113075_79113095	ACTAGACTGTGAGCTTCTAGA	29600	hsa-miR-708-3p;Derives_from=MI0005543

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002433	11_-_79113075_79113096	AACTAGACTGTGAGCTTCTAGA	29601	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002434	11_-_79113075_79113097	CAACTAGACTGTGAGCTTCTAGA	29602	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002435	11_-_79113076_79113096	AACTAGACTGTGAGCTTCTAG	29603	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002436	11_-_79113077_79113096	AACTAGACTGTGAGCTTCTA	29604	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002437	11_-_79113077_79113097	CAACTAGACTGTGAGCTTCTA	29605	hsa-miR-708-3p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002438	11_-_79113119_79113143	AAGGAGCTTACAATCTAGCTGGGGG	29606	hsa-miR-708-5p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002439	11_-_79113120_79113143	AAGGAGCTTACAATCTAGCTGGGG	29607	hsa-miR-708-5p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002440	11_-_79113122_79113143	AAGGAGCTTACAATCTAGCTGG	29608	hsa-miR-708-5p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002441	11_-_79113123_79113143	AAGGAGCTTACAATCTAGCTG	29609	hsa-miR-708-5p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002442	11_-_79113124_79113143	AAGGAGCTTACAATCTAGCT	29610	hsa-miR-708-5p;Derives_from=MI0005543
NovelMiR_KnownLoci_ID0002443	11_-_79133212_79133233	TAGCTTAAGGAGTACCAGATCA	29611	hsa-miR-5579-3p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002444	11_-_79133212_79133234	TTAGCTTAAGGAGTACCAGATCA	29612	hsa-miR-5579-3p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002445	11_-_79133213_79133233	TAGCTTAAGGAGTACCAGATC	29613	hsa-miR-5579-3p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002446	11_-_79133214_79133233	TAGCTTAAGGAGTACCAGAT	29614	hsa-miR-5579-3p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002447	11_-_79133214_79133234	TTAGCTTAAGGAGTACCAGAT	29615	hsa-miR-5579-3p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002448	11_-_79133216_79133233	TAGCTTAAGGAGTACCAG	29616	hsa-miR-5579-3p;Derives_from=MI0019133

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002449	11_-_79133216_79133236	CATTAGCTTAAGGAGTACCAG	29617	hsa-miR-5579-3p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002450	11_-_79133248_79133270	TATGGTACTCCTTAAGCTAACAG	29618	hsa-miR-5579-5p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002451	11_-_79133249_79133269	ATGGTACTCCTTAAGCTAACA	29619	hsa-miR-5579-5p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002452	11_-_79133249_79133270	TATGGTACTCCTTAAGCTAACA	29620	hsa-miR-5579-5p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002453	11_-_79133251_79133270	TATGGTACTCCTTAAGCTAA	29621	hsa-miR-5579-5p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002454	11_-_79133252_79133270	TATGGTACTCCTTAAGCTA	29622	hsa-miR-5579-5p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002455	11_-_79133253_79133270	TATGGTACTCCTTAAGCT	29623	hsa-miR-5579-5p;Derives_from=MI0019133
NovelMiR_KnownLoci_ID0002456	1_-_180407455_180407476	ATAGAGTAGGCAAAGGACAGAA	29624	hsa-miR-3121-3p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002457	1_-_180407457_180407479	TAAATAGAGTAGGCAAAGGACAG	29625	hsa-miR-3121-3p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002458	1_-_180407459_180407479	TAAATAGAGTAGGCAAAGGAC	29626	hsa-miR-3121-3p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002459	1_-_180407460_180407479	TAAATAGAGTAGGCAAAGGA	29627	hsa-miR-3121-3p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002460	1_-_180407461_180407479	TAAATAGAGTAGGCAAACG	29628	hsa-miR-3121-3p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002461	1_-_180407463_180407479	TAAATAGAGTAGGCAAA	29629	hsa-miR-3121-3p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002462	1_-_180407491_180407513	CCTTTGCCTATTCTATTTAAGAC	29630	hsa-miR-3121-5p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002463	1_-_180407492_180407514	TCCTTTGCCTATTCTATTTAAGA	29631	hsa-miR-3121-5p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002464	1_-_180407495_180407514	TCCTTTGCCTATTCTATTTA	29632	hsa-miR-3121-5p;Derives_from=MI0014137

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002465	1_-_180407498_180407514	TCCTTTGCCTATTCTAT	29633	hsa-miR-3121-5p;Derives_from=MI0014137
NovelMiR_KnownLoci_ID0002466	11_-_81601787_81601810	TGGGAGCTGGACTACTTCTGAACC	29634	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002467	11_-_81601788_81601808	GGAGCTGGACTACTTCTGAAC	29635	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002468	11_-_81601788_81601810	TGGGAGCTGGACTACTTCTGAAC	29636	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002469	11_-_81601789_81601810	TGGGAGCTGGACTACTTCTGAA	29637	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002470	11_-_81601790_81601810	TGGGAGCTGGACTACTTCTGA	29638	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002471	11_-_81601791_81601810	TGGGAGCTGGACTACTTCTG	29639	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002472	11_-_81601792_81601810	TGGGAGCTGGACTACTTCT	29640	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002473	11_-_81601794_81601810	TGGGAGCTGGACTACTT	29641	hsa-miR-4300;Derives_from=MI0015831
NovelMiR_KnownLoci_ID0002474	11_+_85989378_85989399	TTTAGGGTAGACACTGACAACG	29642	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002475	11_+_85989379_85989397	TTAGGGTAGACACTGACAA	29643	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002476	11_+_85989379_85989399	TTAGGGTAGACACTGACAACG	29644	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002477	11_+_85989379_85989400	TTAGGGTAGACACTGACAACGT	29645	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002478	11_+_85989379_85989401	TTAGGGTAGACACTGACAACGTT	29646	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002479	11_+_85989379_85989404	TTAGGGTAGACACTGACAACGTTATG	29647	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002480	11_+_85989380_85989399	TAGGGTAGACACTGACAACG	29648	hsa-miR-6755-5p;Derives_from=MI0022600

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002481	11_+_85989380_85989400	TAGGGTAGACACTGACAACGT	29649	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002482	11_+_85989380_85989402	TAGGGTAGACACTGACAACGTTA	29650	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002483	11_+_85989381_85989400	AGGGTAGACACTGACAACGT	29651	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002484	11_+_85989382_85989401	GGGTAGACACTGACAACGTT	29652	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002485	11_+_85989383_85989403	GGTAGACACTGACAACGTTAT	29653	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002486	11_+_85989383_85989404	GGTAGACACTGACAACGTTATG	29654	hsa-miR-6755-5p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002487	11_+_85989418_85989441	CTGTTGTCATGTTTTTTCCCTAGA	29655	hsa-miR-6755-3p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002488	11_+_85989419_85989438	TGTTGTCATGTTTTTTCCCT	29656	hsa-miR-6755-3p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002489	11_+_85989419_85989441	TGTTGTCATGTTTTTTCCCTAGA	29657	hsa-miR-6755-3p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002490	11_+_85989420_85989440	GTTGTCATGTTTTTTCCCTAG	29658	hsa-miR-6755-3p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002491	11_+_85989420_85989441	GTTGTCATGTTTTTTCCCTAGA	29659	hsa-miR-6755-3p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002492	11_+_85989421_85989443	TTGTCATGTTTTTTCCCTAGATG	29660	hsa-miR-6755-3p;Derives_from=MI0022600
NovelMiR_KnownLoci_ID0002493	11_+_87909729_87909752	CGCAGACAATGCCTACTGGCCTAA	29661	hsa-miR-3166;Derives_from=MI0014196
NovelMiR_KnownLoci_ID0002494	11_+_87909729_87909753	CGCAGACAATGCCTACTGGCCTAAG	29662	hsa-miR-3166;Derives_from=MI0014196
NovelMiR_KnownLoci_ID0002495	11_+_87909730_87909751	GCAGACAATGCCTACTGGCCTA	29663	hsa-miR-3166;Derives_from=MI0014196
NovelMiR_KnownLoci_ID0002496	11_+_87909731_87909751	CAGACAATGCCTACTGGCCTA	29664	hsa-miR-3166;Derives_from=MI0014196

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002497	11_+_87909731_87909752	CAGACAATGCCTACTGGCCTAA	29665	hsa-miR-3166;Derives_from=MI0014196
NovelMiR_KnownLoci_ID0002498	11_+_87909732_87909752	AGACAATGCCTACTGGCCTAA	29666	hsa-miR-3166;Derives_from=MI0014196
NovelMiR_KnownLoci_ID0002499	11_+_87909732_87909753	AGACAATGCCTACTGGCCTAAG	29667	hsa-miR-3166;Derives_from=MI0014196
NovelMiR_KnownLoci_ID0002500	11_-_90288951_90288972	TGGTAAGAGATTTGGGCATATT	29668	hsa-miR-4490;Derives_from=MI0016852
NovelMiR_KnownLoci_ID0002501	11_-_90288951_90288974	TCTGGTAAGAGATTTGGGCATATT	29669	hsa-miR-4490;Derives_from=MI0016852
NovelMiR_KnownLoci_ID0002502	11_-_90288952_90288974	TCTGGTAAGAGATTTGGGCATAT	29670	hsa-miR-4490;Derives_from=MI0016852
NovelMiR_KnownLoci_ID0002503	11_-_90602346_90602366	ATGGATAAGGCTTTGGCTTAT	29671	hsa-miR-1261;Derives_from=MI0006396
NovelMiR_KnownLoci_ID0002504	11_-_9111891_9111911	GAGCTCCGAGAAAGCTGACAG	29672	hsa-miR-5691;Derives_from=MI0019296
NovelMiR_KnownLoci_ID0002505	11_-_9111896_9111918	TTGCTCTGAGCTCCGAGAAAGCT	29673	hsa-miR-5691;Derives_from=MI0019296
NovelMiR_KnownLoci_ID0002506	1_-_19209696_19209719	TGATCTCACCGCTGCCTCCTTCCC	29674	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002507	1_-_19209696_19209720	CTGATCTCACCGCTGCCTCCTTCCC	29675	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002508	1_-_19209697_19209719	TGATCTCACCGCTGCCTCCTTCC	29676	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002509	1_-_19209697_19209720	CTGATCTCACCGCTGCCTCCTTCC	29677	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002510	1_-_19209698_19209718	GATCTCACCGCTGCCTCCTTC	29678	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002511	1_-_19209698_19209720	CTGATCTCACCGCTGCCTCCTTC	29679	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002512	1_-_19209699_19209719	TGATCTCACCGCTGCCTCCTT	29680	hsa-miR-4695-3p;Derives_from=MI0017328

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002513	1_-_19209700_19209720	CTGATCTCACCGCTGCCTCCT	29681	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002514	1_-_19209701_19209718	GATCTCACCGCTGCCTCC	29682	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002515	1_-_19209701_19209719	TGATCTCACCGCTGCCTCC	29683	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002516	1_-_19209704_19209719	TGATCTCACCGCTGCC	29684	hsa-miR-4695-3p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002517	1_-_19209742_19209765	CAGGAGGCAGTGGGCGAGCAGGCG	29685	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002518	1_-_19209743_19209765	CAGGAGGCAGTGGGCGAGCAGGC	29686	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002519	1_-_19209745_19209764	AGGAGGCAGTGGGCGAGCAG	29687	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002520	1_-_19209745_19209765	CAGGAGGCAGTGGGCGAGCAG	29688	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002521	1_-_19209746_19209765	CAGGAGGCAGTGGGCGAGCA	29689	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002522	1_-_19209747_19209765	CAGGAGGCAGTGGGCGAGC	29690	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002523	1_-_19209748_19209771	TACCTGCAGGAGGCAGTGGGCGAG	29691	hsa-miR-4695-5p;Derives_from=MI0017328
NovelMiR_KnownLoci_ID0002524	1_+_193105681_193105699	GTAGTACTGTGCATATCAT	29692	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002525	1_+_193105681_193105700	GTAGTACTGTGCATATCATC	29693	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002526	1_+_193105681_193105701	GTAGTACTGTGCATATCATCT	29694	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002527	1_+_193105681_193105702	GTAGTACTGTGCATATCATCTA	29695	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002528	1_+_193105681_193105703	GTAGTACTGTGCATATCATCTAT	29696	hsa-miR-1278;Derives_from=MI0006425

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002529	1_+_193105681_193105704	GTAGTACTGTGCATATCATCTATG	29697	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002530	1_+_193105682_193105701	TAGTACTGTGCATATCATCT	29698	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002531	1_+_193105682_193105702	TAGTACTGTGCATATCATCTA	29699	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002532	1_+_193105682_193105704	TAGTACTGTGCATATCATCTATG	29700	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002533	1_+_193105685_193105704	TACTGTGCATATCATCTATG	29701	hsa-miR-1278;Derives_from=MI0006425
NovelMiR_KnownLoci_ID0002534	11_-_93466854_93466878	TCTCACTGTAGCCTCGAACCCCTGG	29702	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002535	11_-_93466855_93466878	TCTCACTGTAGCCTCGAACCCCTG	29703	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002536	11_-_93466856_93466878	TCTCACTGTAGCCTCGAACCCCT	29704	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002537	11_-_93466857_93466879	ATCTCACTGTAGCCTCGAACCCC	29705	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002538	11_-_93466858_93466878	TCTCACTGTAGCCTCGAACCC	29706	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002539	11_-_93466858_93466880	CATCTCACTGTAGCCTCGAACCC	29707	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002540	11_-_93466859_93466878	TCTCACTGTAGCCTCGAACC	29708	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002541	11_-_93466859_93466880	CATCTCACTGTAGCCTCGAACC	29709	hsa-miR-1304-3p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002542	11_-_93466887_93466913	GGTTTGAGGCTACAGTGAGATGTGATC	29710	hsa-miR-1304-5p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002543	11_-_93466890_93466914	CGGTTTGAGGCTACAGTGAGATGTG	29711	hsa-miR-1304-5p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002544	11_-_93466891_93466914	CGGTTTGAGGCTACAGTGAGATGT	29712	hsa-miR-1304-5p;Derives_from=MI0006371

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002545	11_-_93466892_93466914	CGGTTTGAGGCTACAGTGAGATG	29713	hsa-miR-1304-5p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002546	11_-_93466893_93466914	CGGTTTGAGGCTACAGTGAGAT	29714	hsa-miR-1304-5p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002547	11_-_93466894_93466914	CGGTTTGAGGCTACAGTGAGA	29715	hsa-miR-1304-5p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002548	11_-_93466895_93466914	CGGTTTGAGGCTACAGTGAG	29716	hsa-miR-1304-5p;Derives_from=MI0006371
NovelMiR_KnownLoci_ID0002549	11_-_94199710_94199732	AAAAGTATTTGCGGGTTTTGTCG	29717	hsa-miR-548l;Derives_from=MI0006361
NovelMiR_KnownLoci_ID0002550	11_-_94199712_94199732	AAAAGTATTTGCGGGTTTTGT	29718	hsa-miR-548l;Derives_from=MI0006361
NovelMiR_KnownLoci_ID0002551	11_-_94199713_94199732	AAAAGTATTTGCGGGTTTTG	29719	hsa-miR-548l;Derives_from=MI0006361
NovelMiR_KnownLoci_ID0002552	11_-_94199714_94199732	AAAAGTATTTGCGGGTTTT	29720	hsa-miR-548l;Derives_from=MI0006361
NovelMiR_KnownLoci_ID0002553	11_-_94199715_94199732	AAAAGTATTTGCGGGTTT	29721	hsa-miR-548l;Derives_from=MI0006361
NovelMiR_KnownLoci_ID0002554	11_+_96074610_96074629	TATCCCACCACTGCCACCAT	29722	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002555	11_+_96074610_96074630	TATCCCACCACTGCCACCATT	29723	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002556	11_+_96074611_96074630	ATCCCACCACTGCCACCATT	29724	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002557	11_+_96074611_96074631	ATCCCACCACTGCCACCATTA	29725	hsa-miR-1260b;Derives_from=MI0014197

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002558	11_+_96074611_96074632	ATCCCACCACTGCCACCATTAT	29726	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002559	11_+_96074611_96074633	ATCCCACCACTGCCACCATTATT	29727	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002560	11_+_96074611_96074635	ATCCCACCACTGCCACCATTATTGC	29728	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002561	11_+_96074612_96074631	TCCCACCACTGCCACCATTA	29729	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002562	11_+_96074612_96074632	TCCCACCACTGCCACCATTAT	29730	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002563	11_+_96074612_96074633	TCCCACCACTGCCACCATTATT	29731	hsa-miR-1260b;Derives_from=MI0014197
NovelMiR_KnownLoci_ID0002564	1_-_196551546_196551567	AAAGGTGCTCAAATTAGACATT	29732	hsa-miR-4735-3p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002565	1_-_196551546_196551568	CAAAGGTGCTCAAATTAGACATT	29733	hsa-miR-4735-3p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002566	1_-_196551550_196551567	AAAGGTGCTCAAATTAGA	29734	hsa-miR-4735-3p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002567	1_-_196551580_196551604	CCTAATTTGAACACCTTCGGTATTC	29735	hsa-miR-4735-5p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002568	1_-_196551581_196551604	CCTAATTTGAACACCTTCGGTATT	29736	hsa-miR-4735-5p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002569	1_-_196551582_196551604	CCTAATTTGAACACCTTCGGTAT	29737	hsa-miR-4735-5p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002570	1_-_196551584_196551604	CCTAATTTGAACACCTTCGGT	29738	hsa-miR-4735-5p;Derives_from=MI0017372

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002571	1_-_196551586_196551604	CCTAATTTGAACACCTTCG	29739	hsa-miR-4735-5p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002572	1_-_196551586_196551606	TGCCTAATTTGAACACCTTCG	29740	hsa-miR-4735-5p;Derives_from=MI0017372
NovelMiR_KnownLoci_ID0002573	1_-_198828014_198828036	CTCACTGAACAATGAATGCAACT	29741	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002574	1_-_198828015_198828035	TCACTGAACAATGAATGCAAC	29742	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002575	1_-_198828015_198828036	CTCACTGAACAATGAATGCAAC	29743	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002576	1_-_198828015_198828037	GCTCACTGAACAATGAATGCAAC	29744	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002577	1_-_198828015_198828038	AGCTCACTGAACAATGAATGCAAC	29745	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002578	1_-_198828016_198828042	GACAAGCTCACTGAACAATGAATGCAA	29746	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002579	1_-_198828017_198828036	CTCACTGAACAATGAATGCA	29747	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002580	1_-_198828017_198828038	AGCTCACTGAACAATGAATGCA	29748	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002581	1_-_198828018_198828036	CTCACTGAACAATGAATGC	29749	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002582	1_-_198828018_198828040	CAAGCTCACTGAACAATGAATGC	29750	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002583	1_-_198828026_198828042	GACAAGCTCACTGAACA	29751	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002584	1_-_198828027_198828042	GACAAGCTCACTGAAC	29752	hsa-miR-181b-3p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002585	1_-_198828048_198828068	TTGCTGTCGGTGGGTTGAACT	29753	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002586	1_-_198828049_198828068	TTGCTGTCGGTGGGTTGAAC	29754	hsa-miR-181b-5p;Derives_from=MI0000270

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002587	1_-_198828049_198828069	ATTGCTGTCGGTGGGTTGAAC	29755	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002588	1_-_198828049_198828074	CATTCATTGCTGTCGGTGGGTTGA AC	29756	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002589	1_-_198828049_198828075	ACATTCATTGCTGTCGGTGGGTTG AAC	29757	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002590	1_-_198828049_198828076	AACATTCATTGCTGTCGGTGGGTT GAAC	29758	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002591	1_-_198828050_198828076	AACATTCATTGCTGTCGGTGGGTT GAA	29759	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002592	1_-_198828051_198828075	ACATTCATTGCTGTCGGTGGGTTG A	29760	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002593	1_-_198828051_198828076	AACATTCATTGCTGTCGGTGGGTT GA	29761	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002594	1_-_198828052_198828075	ACATTCATTGCTGTCGGTGGGTTG	29762	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002595	1_-_198828052_198828076	AACATTCATTGCTGTCGGTGGGTT G	29763	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002596	1_-_198828053_198828076	AACATTCATTGCTGTCGGTGGGTT	29764	hsa-miR-181b-5p;Derives_from=MI0000270
NovelMiR_KnownLoci_ID0002597	1_-_198828195_198828219	ACCATCGACCGTTGATTGTACCCT A	29765	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002598	1_-_198828196_198828219	ACCATCGACCGTTGATTGTACCCT	29766	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002599	1_-_198828197_198828219	ACCATCGACCGTTGATTGTACCC	29767	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002600	1_-_198828199_198828219	ACCATCGACCGTTGATTGTAC	29768	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002601	1_-_198828200_198828219	ACCATCGACCGTTGATTGTA	29769	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002602	1_-_198828201_198828219	ACCATCGACCGTTGATTGT	29770	hsa-miR-181a-3p;Derives_from=MI0000289

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002603	1_-_198828202_198828219	ACCATCGACCGTTGATTG	29771	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002604	1_-_198828203_198828219	ACCATCGACCGTTGATT	29772	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002605	1_-_198828204_198828219	ACCATCGACCGTTGAT	29773	hsa-miR-181a-3p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002606	1_-_198828231_198828251	ACGCTGTCGGTGAGTTTGGAA	29774	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002607	1_-_198828231_198828255	TTCAACGCTGTCGGTGAGTTTGGA A	29775	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002608	1_-_198828232_198828251	ACGCTGTCGGTGAGTTTGGA	29776	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002609	1_-_198828232_198828256	ATTCAACGCTGTCGGTGAGTTTGG A	29777	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002610	1_-_198828232_198828258	ACATTCAACGCTGTCGGTGAGTTT GGA	29778	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002611	1_-_198828232_198828259	AACATTCAACGCTGTCGGTGAGTT TGGA	29779	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002612	1_-_198828235_198828259	AACATTCAACGCTGTCGGTGAGTT T	29780	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002613	1_-_198828236_198828259	AACATTCAACGCTGTCGGTGAGTT	29781	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002614	1_-_198828237_198828261	TGAACATTCAACGCTGTCGGTGAG T	29782	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002615	1_-_198828238_198828259	AACATTCAACGCTGTCGGTGAG	29783	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002616	1_-_198828238_198828261	TGAACATTCAACGCTGTCGGTGAG	29784	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002617	1_-_198828239_198828259	AACATTCAACGCTGTCGGTGA	29785	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002618	1_-_198828239_198828262	GTGAACATTCAACGCTGTCGGTGA	29786	hsa-miR-181a-5p;Derives_from=MI0000289

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002619	1_-_198828240_198828261	TGAACATTCAACGCTGTCGGTG	29787	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002620	1_-_198828244_198828259	AACATTCAACGCTGTC	29788	hsa-miR-181a-5p;Derives_from=MI0000289
NovelMiR_KnownLoci_ID0002621	1_+_201688703_201688724	AGAGAGGATAGGAAGAATGAAG	29789	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002622	1_+_201688703_201688727	AGAGAGGATAGGAAGAATGAAGTGC	29790	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002623	1_+_201688703_201688730	AGAGAGGATAGGAAGAATGAAGTGCTGG	29791	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002624	1_+_201688705_201688727	AGAGGATAGGAAGAATGAAGTGC	29792	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002625	1_+_201688706_201688726	GAGGATAGGAAGAATGAAGTG	29793	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002626	1_+_201688706_201688727	GAGGATAGGAAGAATGAAGTGC	29794	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002627	1_+_201688707_201688729	AGGATAGGAAGAATGAAGTGCTG	29795	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002628	1_+_201688709_201688730	GATAGGAAGAATGAAGTGCTGG	29796	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002629	1_+_201688713_201688734	GGAAGAATGAAGTGCTGGGCGC	29797	hsa-miR-5191;Derives_from=MI0018170
NovelMiR_KnownLoci_ID0002630	1_+_201777737_201777753	AGGTCAGTGTCTGGGCG	29798	hsa-miR-1231;Derives_from=MI0006321
NovelMiR_KnownLoci_ID0002631	1_+_201777742_201777762	AGTGTCTGGGCGGACAGCTGC	29799	hsa-miR-1231;Derives_from=MI0006321
NovelMiR_KnownLoci_ID0002632	1_+_201777743_201777764	GTGTCTGGGCGGACAGCTGCAG	29800	hsa-miR-1231;Derives_from=MI0006321
NovelMiR_KnownLoci_ID0002633	1_+_201777743_201777765	GTGTCTGGGCGGACAGCTGCAGG	29801	hsa-miR-1231;Derives_from=MI0006321
NovelMiR_KnownLoci_ID0002634	1_+_201777743_201777767	GTGTCTGGGCGGACAGCTGCAGGAA	29802	hsa-miR-1231;Derives_from=MI0006321

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002635	1_+_201777743_201777768	GTGTCTGGGCGGACAGCTGCAGGAAA	29803	hsa-miR-1231;Derives_from=MI0006321
NovelMiR_KnownLoci_ID0002636	1_+_201777744_201777760	TGTCTGGGCGGACAGCT	29804	hsa-miR-1231;Derives_from=MI0006321
NovelMiR_KnownLoci_ID0002637	1_+_201832502_201832527	AATGTGGGAAAGAGAAAAGAACAAGTA	29805	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002638	1_+_201832503_201832522	ATGTGGGAAAGAGAAAGAAC	29806	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002639	1_+_201832503_201832523	ATGTGGGAAAGAGAAAGAACA	29807	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002640	1_+_201832503_201832524	ATGTGGGAAAGAGAAAGAACAA	29808	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002641	1_+_201832504_201832526	TGTGGGAAAGAGAAAGAACAAGT	29809	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002642	1_+_201832505_201832526	GTGGGAAAGAGAAAGAACAAGT	29810	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002643	1_+_201832506_201832524	TGGGAAAGAGAAAGAACAA	29811	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002644	1_+_201832506_201832526	TGGGAAAGAGAAAGAACAAGT	29812	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002645	1_+_201832506_201832528	TGGGAAAGAGAAAGAACAAGTAA	29813	hsa-miR-6739-5p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002646	1_+_201832549_201832570	CCCCTAATTGTTCTGTCTTTCT	29814	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002647	1_+_201832552_201832576	CTAATTGTTCTGTCTTTCTCCCAGT	29815	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002648	1_+_201832553_201832575	TAATTGTTCTGTCTTTCTCCCAG	29816	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002649	1_+_201832553_201832576	TAATTGTTCTGTCTTTCTCCCAGT	29817	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002650	1_+_201832553_201832577	TAATTGTTCTGTCTTTCTCCCAGTG	29818	hsa-miR-6739-3p;Derives_from=MI0022584

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002651	1_+_201832554_201832576	AATTGTTCTGTCTTTCTCCCAGT	29819	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002652	1_+_201832554_201832579	AATTGTTCTGTCTTTCTCCCAGTGTC	29820	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002653	1_+_201832555_201832574	ATTGTTCTGTCTTTCTCCCA	29821	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002654	1_+_201832555_201832576	ATTGTTCTGTCTTTCTCCCAGT	29822	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002655	1_+_201832555_201832577	ATTGTTCTGTCTTTCTCCCAGTG	29823	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002656	1_+_201832555_201832578	ATTGTTCTGTCTTTCTCCCAGTGT	29824	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002657	1_+_201832555_201832579	ATTGTTCTGTCTTTCTCCCAGTGTC	29825	hsa-miR-6739-3p;Derives_from=MI0022584
NovelMiR_KnownLoci_ID0002658	1_+_201972256_201972279	GAGTTTTGGGATGGAGAGAGGAGAA	29826	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002659	1_+_201972257_201972275	AGTTTGGGATGGAGAGAGG	29827	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002660	1_+_201972257_201972276	AGTTTGGGATGGAGAGAGGA	29828	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002661	1_+_201972257_201972277	AGTTTGGGATGGACACACGAG	29829	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002662	1_+_201972257_201972279	AGTTTGGGATGGAGAGACGAGAA	29830	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002663	1_+_201972257_201972280	AGTTTGGGATGGAGAGAGGAGAAA	29831	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002664	1_+_201972257_201972281	AGTTTGGGATGGAGAGAGGAGAAAC	29832	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002665	1_+_201972259_201972280	TTTGGGATGGAGAGAGGAGAAA	29833	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002666	1_+_201972259_201972281	TTTGGGATGGAGAGAGGAGAAAC	29834	hsa-miR-6740-5p;Derives_from=MI0022585

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002667	1_+_201972260_201972280	TTGGGATGGAGAGAGGAGAAA	29835	hsa-miR-6740-5p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002668	1_+_201972337_201972361	TGATAGTGTCTTCTCTCCTCCCAAA	29836	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002669	1_+_201972343_201972361	TGTCTTCTCTCCTCCCAAA	29837	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002670	1_+_201972343_201972362	TGTCTTCTCTCCTCCCAAAC	29838	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002671	1_+_201972343_201972363	TGTCTTCTCTCCTCCCAAACA	29839	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002672	1_+_201972343_201972365	TGTCTTCTCTCCTCCCAAACAGG	29840	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002673	1_+_201972343_201972366	TGTCTTCTCTCCTCCCAAACAGGT	29841	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002674	1_+_201972343_201972367	TGTCTTCTCTCCTCCCAAACAGGTT	29842	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002675	1_+_201972344_201972365	GTCTTCTCTCCTCCCAAACAGG	29843	hsa-miR-6740-3p;Derives_from=MI0022585
NovelMiR_KnownLoci_ID0002676	1_-_205417448_205417471	TGTAGGGCTAAAAGCCATGGGCTA	29844	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002677	1_-_205417448_205417472	ATGTAGGGCTAAAAGCCATGGGCTA	29845	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002678	1_-_205417449_205417467	GGGCTAAAAGCCATGGGCT	29846	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002679	1_-_205417449_205417471	TGTAGGGCTAAAAGCCATGGGCT	29847	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002680	1_-_205417449_205417472	ATGTAGGGCTAAAAGCCATGGGCT	29848	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002681	1_-_205417450_205417471	TGTAGGGCTAAAAGCCATGGGC	29849	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002682	1_-_205417450_205417472	ATGTAGGGCTAAAAGCCATGGGC	29850	hsa-miR-135b-3p;Derives_from=MI0000810

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002683	1_-_205417452_205417471	TGTAGGGCTAAAAGCCATGG	29851	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002684	1_-_205417452_205417472	ATGTAGGGCTAAAAGCCATGG	29852	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002685	1_-_205417453_205417472	ATGTAGGGCTAAAAGCCATG	29853	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002686	1_-_205417455_205417472	ATGTAGGGCTAAAAGCCA	29854	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002687	1_-_205417457_205417472	ATGTAGGGCTAAAAGC	29855	hsa-miR-135b-3p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002688	1_-_205417484_205417511	TATGGCTTTTCATTCCTATGTGATTGCT	29856	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002689	1_-_205417487_205417511	TATGGCTTTTCATTCCTATGTGATT	29857	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002690	1_-_205417488_205417511	TATGGCTTTTCATTCCTATGTGAT	29858	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002691	1_-_205417489_205417506	CTTTTCATTCCTATGTGA	29859	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002692	1_-_205417490_205417511	TATGGCTTTTCATTCCTATGTG	29860	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002693	1_-_205417490_205417514	GCCTATGGCTTTTCATTCCTATGTG	29861	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002694	1_-_205417491_205417511	TATGGCTTTTCATTCCTATGT	29862	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002695	1_-_205417492_205417511	TATGGCTTTTCATTCCTATG	29863	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002696	1_-_205417493_205417511	TATGGCTTTTCATTCCTAT	29864	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002697	1_-_205417494_205417511	TATGGCTTTTCATTCCTA	29865	hsa-miR-135b-5p;Derives_from=MI0000810
NovelMiR_KnownLoci_ID0002698	1_+_206648151_206648171	TGGTGGGTGGGGAGGAGAAGT	29866	hsa-miR-6769b-5p;Derives_from=MI0022706

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002699	1_+_206648151_206648172	TGGTGGGTGGGGAGGAGAAGTG	29867	hsa-miR-6769b-5p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002700	1_+_206648152_206648171	GGTGGGTGGGGAGGAGAAGT	29868	hsa-miR-6769b-5p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002701	1_+_206648152_206648172	GGTGGGTGGGGAGGAGAAGTG	29869	hsa-miR-6769b-5p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002702	1_+_206648152_206648173	GGTGGGTGGGGAGGAGAAGTGC	29870	hsa-miR-6769b-5p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002703	1_+_206648152_206648175	GGTGGGTGGGGAGGAGAAGTGCCG	29871	hsa-miR-6769b-5p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002704	1_+_206648187_206648205	CCCTCTCTGTCCCACCCAT	29872	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002705	1_+_206648187_206648206	CCCTCTCTGTCCCACCCATA	29873	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002706	1_+_206648187_206648208	CCCTCTCTGTCCCACCCATAGG	29874	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002707	1_+_206648187_206648209	CCCTCTCTGTCCCACCCATAGGG	29875	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002708	1_+_206648187_206648210	CCCTCTCTGTCCCACCCATAGGGC	29876	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002709	1_+_206648188_206648208	CCTCTCTGTCCCACCCATAGG	29877	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002710	1_+_206648188_206648209	CCTCTCTGTCCCACCCATAGGG	29878	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002711	1_+_206648191_206648209	CTCTGTCCCACCCATAGGG	29879	hsa-miR-6769b-3p;Derives_from=MI0022706
NovelMiR_KnownLoci_ID0002712	1_-_207975207_207975228	CACCATTTGAAATCGGTTATGA	29880	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002713	1_-_207975208_207975228	CACCATTTGAAATCGGTTATG	29881	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002714	1_-_207975209_207975228	CACCATTTGAAATCGGTTAT	29882	hsa-miR-29c-3p;Derives_from=MI0000735

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002715	1_-_207975209_207975231	TAGCACCATTTGAAATCGGTTAT	29883	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002716	1_-_207975210_207975228	CACCATTTGAAATCGGTTA	29884	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002717	1_-_207975210_207975230	AGCACCATTTGAAATCGGTTA	29885	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002718	1_-_207975211_207975228	CACCATTTGAAATCGGTT	29886	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002719	1_-_207975211_207975231	TAGCACCATTTGAAATCGGTT	29887	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002720	1_-_207975212_207975228	CACCATTTGAAATCGGT	29888	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002721	1_-_207975212_207975231	TAGCACCATTTGAAATCGGT	29889	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002722	1_-_207975213_207975231	TAGCACCATTTGAAATCGG	29890	hsa-miR-29c-3p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002723	1_-_207975242_207975267	ACCGATTTCTCCTGGTGTTCAGAGTC	29891	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002724	1_-_207975242_207975268	GACCGATTTCTCCTGGTGTTCAGAGTC	29892	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002725	1_-_207975242_207975269	TGACCGATTTCTCCTGGTGTTCAGAGTC	29893	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002726	1_-_207975244_207975269	TGACCGATTTCTCCTGGTGTTCAGAG	29894	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002727	1_-_207975245_207975267	ACCGATTTCTCCTGGTGTTCAGA	29895	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002728	1_-_207975246_207975267	ACCGATTTCTCCTGGTGTTCAG	29896	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002729	1_-_207975246_207975269	TGACCGATTTCTCCTGGTGTTCAG	29897	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002730	1_-_207975247_207975267	ACCGATTTCTCCTGGTGTTCA	29898	hsa-miR-29c-5p;Derives_from=MI0000735

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002731	1_-_207975247_207975268	GACCGATTTCTCCTGGTGTTCA	29899	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002732	1_-_207975247_207975269	TGACCGATTTCTCCTGGTGTTCA	29900	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002733	1_-_207975248_207975267	ACCGATTTCTCCTGGTGTTC	29901	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002734	1_-_207975248_207975268	GACCGATTTCTCCTGGTGTTC	29902	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002735	1_-_207975249_207975268	GACCGATTTCTCCTGGTGTT	29903	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002736	1_-_207975249_207975269	TGACCGATTTCTCCTGGTGTT	29904	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0002737	1_-_207975789_207975814	CACCATTTGAAATCAGTGTTTTAGGA	29905	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002738	1_-_207975790_207975814	CACCATTTGAAATCAGTGTTTTAGG	29906	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002739	1_-_207975790_207975817	TAGCACCATTTGAAATCAGTGTTTTAGG	29907	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002740	1_-_207975791_207975814	CACCATTTGAAATCAGTGTTTTAG	29908	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002741	1_-_207975792_207975814	CACCATTTGAAATCAGTGTTTTA	29909	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002742	1_-_207975792_207975817	TAGCACCATTTGAAATCAGTGTTTTA	29910	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002743	1_-_207975792_207975818	CTAGCACCATTTGAAATCAGTGTTTTA	29911	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002744	1_-_207975793_207975814	CACCATTTGAAATCAGTGTTTT	29912	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002745	1_-_207975793_207975817	TAGCACCATTTGAAATCAGTGTTTT	29913	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002746	1_-_207975794_207975812	CCATTTGAAATCAGTGTTT	29914	hsa-miR-29b-3p;Derives_from=MI0000107

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002747	1_-_207975794_207975814	CACCATTTGAAATCAGTGTTT	29915	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002748	1_-_207975794_207975816	AGCACCATTTGAAATCAGTGTTT	29916	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002749	1_-_207975794_207975817	TAGCACCATTTGAAATCAGTGTTT	29917	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002750	1_-_207975795_207975820	ATCTAGCACCATTTGAAATCAGTGTT	29918	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002751	1_-_207975797_207975821	TATCTAGCACCATTTGAAATCAGTG	29919	hsa-miR-29b-3p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002752	1_-_207975833_207975858	CTGGTTTCACATGGTGGCTTAGATTT	29920	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002753	1_-_207975834_207975857	TGGTTTCACATGGTGGCTTAGATT	29921	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002754	1_-_207975834_207975858	CTGGTTTCACATGGTGGCTTAGATT	29922	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002755	1_-_207975834_207975859	GCTGGTTTCACATGGTGGCTTAGATT	29923	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002756	1_-_207975835_207975858	CTGGTTTCACATGGTGGCTTAGAT	29924	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002757	1_-_207975836_207975857	TGGTTTCACATGGTGGCTTAGA	29925	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002758	1_-_207975836_207975858	CTGGTTTCACATGGTGGCTTAGA	29926	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002759	1_-_207975836_207975859	GCTGGTTTCACATGGTGGCTTAGA	29927	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002760	1_-_207975837_207975859	GCTGGTTTCACATGGTGGCTTAG	29928	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002761	1_-_207975838_207975858	CTGGTTTCACATGGTGGCTTA	29929	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002762	1_-_207975839_207975859	GCTGGTTTCACATGGTGGCTT	29930	hsa-miR-29b-2-5p;Derives_from=MI0000107

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002763	1_-_207975840_207975859	GCTGGTTTCACATGGTGGCT	29931	hsa-miR-29b-2-5p;Derives_from=MI0000107
NovelMiR_KnownLoci_ID0002764	1_+_20960245_20960266	CTTCTTCCGCCAGTCGGTGGCC	29932	hsa-miR-6084;Derives_from=MI0020361
NovelMiR_KnownLoci_ID0002765	1_+_20960245_20960271	CTTCTTCCGCCAGTCGGTGGCCGGGCT	29933	hsa-miR-6084;Derives_from=MI0020361
NovelMiR_KnownLoci_ID0002766	1_+_20960247_20960263	TCTTCCGCCAGTCGGTG	29934	hsa-miR-6084;Derives_from=MI0020361
NovelMiR_KnownLoci_ID0002767	1_+_20960252_20960271	CGCCAGTCGGTGGCCGGGCT	29935	hsa-miR-6084;Derives_from=MI0020361
NovelMiR_KnownLoci_ID0002768	1_+_20960256_20960274	AGTCGGTGGCCGGGCTGGC	29936	hsa-miR-6084;Derives_from=MI0020361
NovelMiR_KnownLoci_ID0002769	1_+_209605511_209605527	TCCTTCATTCCACCGGA	29937	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002770	1_+_209605511_209605528	TCCTTCATTCCACCGGAG	29938	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002771	1_+_209605511_209605529	TCCTTCATTCCACCGGAGT	29939	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002772	1_+_209605511_209605531	TCCTTCATTCCACCGGAGTCT	29940	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002773	1_+_209605511_209605533	TCCTTCATTCCACCGGAGTCTGT	29941	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002774	1_+_209605511_209605534	TCCTTCATTCCACCGGAGTCTGTC	29942	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002775	1_+_209605511_209605536	TCCTTCATTCCACCGGAGTCTGTCTC	29943	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002776	1_+_209605511_209605537	TCCTTCATTCCACCGGAGTCTGTCTCA	29944	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002777	1_+_209605512_209605532	CCTTCATTCCACCGGAGTCTG	29945	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002778	1_+_209605513_209605532	CTTCATTCCACCGGAGTCTG	29946	hsa-miR-205-5p;Derives_from=MI0000285

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002779	1_+_209605513_209605536	CTTCATTCCACCGGAGTCTGTCTC	29947	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002780	1_+_209605516_209605532	CATTCCACCGGAGTCTG	29948	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002781	1_+_209605517_209605532	ATTCCACCGGAGTCTG	29949	hsa-miR-205-5p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002782	1_+_209605543_209605565	AACCAGATTTCAGTGGAGTGAAG	29950	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002783	1_+_209605544_209605568	ACCAGATTTCAGTGGAGTGAAGTTC	29951	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002784	1_+_209605545_209605568	CCAGATTTCAGTGGAGTGAAGTTC	29952	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002785	1_+_209605546_209605567	CAGATTTCAGTGGAGTGAAGTT	29953	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002786	1_+_209605548_209605565	GATTTCAGTGGAGTGAAG	29954	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002787	1_+_209605548_209605566	GATTTCAGTGGAGTGAAGT	29955	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002788	1_+_209605548_209605567	GATTTCAGTGGAGTGAAGTT	29956	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002789	1_+_209605548_209605569	GATTTCAGTGGAGTGAAGTTCA	29957	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002790	1_+_209605548_209605570	GATTTCAGTGGAGTGAAGTTCAG	29958	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002791	1_+_209605549_209605568	ATTTCAGTGGAGTGAAGTTC	29959	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002792	1_+_209605549_209605569	ATTTCAGTGGAGTGAAGTTCA	29960	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002793	1_+_209605549_209605570	ATTTCAGTGGAGTGAAGTTCAG	29961	hsa-miR-205-3p;Derives_from=MI0000285
NovelMiR_KnownLoci_ID0002794	12_+_100583710_100583728	TGAGGCAGTAGATTGAATT	29962	hsa-miR-1827;Derives_from=MI0008195

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002795	12_+_100583710_100583729	TGAGGCAGTAGATTGAATTG	29963	hsa-miR-1827;Derives_from=MI0008195
NovelMiR_KnownLoci_ID0002796	12_+_100583710_100583730	TGAGGCAGTAGATTGAATTGA	29964	hsa-miR-1827;Derives_from=MI0008195
NovelMiR_KnownLoci_ID0002797	12_+_100583710_100583731	TGAGGCAGTAGATTGAATTGAT	29965	hsa-miR-1827;Derives_from=MI0008195
NovelMiR_KnownLoci_ID0002798	12_+_104324197_104324212	ACCGCGCGGCTGGAGG	29966	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002799	12_+_104324197_104324214	ACCGCGCGGCTGGAGGTG	29967	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002800	12_+_104324197_104324215	ACCGCGCGGCTGGAGGTGT	29968	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002801	12_+_104324197_104324216	ACCGCGCGGCTGGAGGTGTG	29969	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002802	12_+_104324197_104324218	ACCGCGCGGCTGGAGGTGTGAG	29970	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002803	12_+_104324197_104324220	ACCGCGCGGCTGGAGGTGTGAGGA	29971	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002804	12_+_104324197_104324221	ACCGCGCGGCTGGAGGTGTGAGGAT	29972	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002805	12_+_104324197_104324222	ACCGCGCGGCTGGAGGTGTGAGGATC	29973	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002806	12_+_104324198_104324216	CCGCGCGGCTGGAGGTGTG	29974	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002807	12_+_104324198_104324219	CCGCGCGGCTGGAGGTGTGAGG	29975	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002808	12_+_104324199_104324218	CGCGCGGCTGGAGGTGTGAG	29976	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002809	12_+_104324199_104324221	CGCGCGGCTGGAGGTGTGAGGAT	29977	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002810	12_+_104324199_104324223	CGCGCGGCTGGAGGTGTGAGGATCC	29978	hsa-miR-3652;Derives_from=MI0016052

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002811	12_+_104324199_104324224	CGCGCGGCTGGAGGTGTGAGGATCCG	29979	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002812	12_+_104324200_104324220	GCGCGGCTGGAGGTGTGAGGA	29980	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002813	12_+_104324200_104324224	GCGCGGCTGGAGGTGTGAGGATCCG	29981	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002814	12_+_104324201_104324224	CGCGGCTGGAGGTGTGAGGATCCG	29982	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002815	12_+_104324201_104324226	CGCGGCTGGAGGTGTGAGGATCCGAA	29983	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002816	12_+_104324203_104324224	CGGCTGGAGGTGTGAGGATCCG	29984	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002817	12_+_104324203_104324225	CGGCTGGAGGTGTGAGGATCCGA	29985	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002818	12_+_104324204_104324224	GGCTGGAGGTGTGAGGATCCG	29986	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002819	12_+_104324205_104324224	GCTGGAGGTGTGAGGATCCG	29987	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002820	12_+_104324205_104324226	GCTGGAGGTGTGAGGATCCGAA	29988	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002821	12_+_104324206_104324224	CTGGAGGTGTGAGGATCCG	29989	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002822	12_+_104324207_104324224	TGGAGGTGTGAGGATCCG	29990	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002823	12_+_104324208_104324226	GGAGGTGTGAGGATCCGAA	29991	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002824	12_+_104324209_104324226	GAGGTGTGAGGATCCGAA	29992	hsa-miR-3652;Derives_from=MI0016052
NovelMiR_KnownLoci_ID0002825	12_+_104985423_104985441	TCAAGGCCAGAGGTCCCAC	29993	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002826	12_+_104985423_104985443	TCAAGGCCAGAGGTCCCACAG	29994	hsa-miR-3922-5p;Derives_from=MI0016429

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002827	12_+_104985423_104985444	TCAAGGCCAGAGGTCCCACAGC	29995	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002828	12_+_104985423_104985446	TCAAGGCCAGAGGTCCCACAGCAG	29996	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002829	12_+_104985423_104985447	TCAAGGCCAGAGGTCCCACAGCAGG	29997	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002830	12_+_104985424_104985443	CAAGGCCAGAGGTCCCACAG	29998	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002831	12_+_104985424_104985444	CAAGGCCAGAGGTCCCACAGC	29999	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002832	12_+_104985424_104985445	CAAGGCCAGAGGTCCCACAGCA	30000	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002833	12_+_104985424_104985446	CAAGGCCAGAGGTCCCACAGCAG	30001	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002834	12_+_104985425_104985444	AAGGCCAGAGGTCCCACAGC	30002	hsa-miR-3922-5p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002835	12_+_104985466_104985481	GGGACTTCTGGCCTTG	30003	hsa-miR-3922-3p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002836	12_+_104985466_104985482	GGGACTTCTGGCCTTGA	30004	hsa-miR-3922-3p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002837	12_+_104985466_104985483	GGGACTTCTGGCCTTGAC	30005	hsa-miR-3922-3p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002838	12_+_104985466_104985484	GGGACTTCTGGCCTTGACT	30006	hsa-miR-3922-3p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002839	12_+_104985466_104985485	GGGACTTCTGGCCTTGACTT	30007	hsa-miR-3922-3p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002840	12_+_104985466_104985489	GGGACTTCTGGCCTTGACTTGACT	30008	hsa-miR-3922-3p;Derives_from=MI0016429
NovelMiR_KnownLoci_ID0002841	12_+_109029625_109029648	GAGGAAACTGAAGCTGAGAGGGAG	30009	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002842	12_+_109029625_109029650	GAGGAAACTGAAGCTGAGAGGGAGAA	30010	hsa-miR-4496;Derives_from=MI0016858

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002843	12_+_109029625_109029652	GAGGAAACTGAAGCTGAGAGGGAGAATG	30011	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002844	12_+_109029629_109029651	AAACTGAAGCTGAGAGGGAGAAT	30012	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002845	12_+_109029631_109029650	ACTGAAGCTGAGAGGGAGAA	30013	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002846	12_+_109029631_109029652	ACTGAAGCTGAGAGGGAGAATG	30014	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002847	12_+_109029633_109029652	TGAAGCTGAGAGGGAGAATG	30015	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002848	12_+_109029634_109029652	GAAGCTGAGAGGGAGAATG	30016	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002849	12_+_109029635_109029652	AAGCTGAGAGGGAGAATG	30017	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002850	12_+_109029636_109029652	AGCTGAGAGGGAGAATG	30018	hsa-miR-4496;Derives_from=MI0016858
NovelMiR_KnownLoci_ID0002851	12_-_109230693_109230713	ATGTTTGTGCCCAGTACTGTC	30019	hsa-miR-619-3p;Derives_from=MI0003633
NovelMiR_KnownLoci_ID0002852	12_-_109230694_109230716	GACATGTTTGTGCCCAGTACTGT	30020	hsa-miR-619-3p;Derives_from=MI0003633
NovelMiR_KnownLoci_ID0002853	12_-_109230703_109230728	GACCATGACCTGGACATGTTTGTGCC	30021	hsa-miR-619-3p;Derives_from=MI0003633
NovelMiR_KnownLoci_ID0002854	12_+_110271153_110271170	ACCTCCGGGACGGCTGGG	30022	hsa-miR-4497;Derives_from=MI0016859
NovelMiR_KnownLoci_ID0002855	12_+_110271154_110271170	CCTCCGGGACGGCTGGG	30023	hsa-miR-4497;Derives_from=MI0016859
NovelMiR_KnownLoci_ID0002856	12_+_110271154_110271171	CCTCCGGGACGGCTGGGC	30024	hsa-miR-4497;Derives_from=MI0016859
NovelMiR_KnownLoci_ID0002857	12_+_110271154_110271173	CCTCCGGGACGGCTGGGCGC	30025	hsa-miR-4497;Derives_from=MI0016859
NovelMiR_KnownLoci_ID0002858	12_+_110271155_110271170	CTCCGGGACGGCTGGG	30026	hsa-miR-4497;Derives_from=MI0016859

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002859	12_+_110271155_110271172	CTCCGGGACGGCTGGGCG	30027	hsa-miR-4497;Derives_from=MI0016859
NovelMiR_KnownLoci_ID0002860	12_+_110271155_110271173	CTCCGGGACGGCTGGGCGC	30028	hsa-miR-4497;Derives_from=MI0016859
NovelMiR_KnownLoci_ID0002861	12_+_111741950_111741976	GCAGGGAGAAGGTGGAAGTGCAGAGTG	30029	hsa-miR-6760-5p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002862	12_+_111741951_111741975	CAGGGAGAAGGTGGAAGTGCAGAGT	30030	hsa-miR-6760-5p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002863	12_+_111741952_111741975	AGGGAGAAGGTGGAAGTGCAGAGT	30031	hsa-miR-6760-5p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002864	12_+_111741952_111741976	AGGGAGAAGGTGGAAGTGCAGAGTG	30032	hsa-miR-6760-5p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002865	12_+_111741991_111742013	CCACACTGTCCCCTTCTCCCCAG	30033	hsa-miR-6760-3p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002866	12_+_111741992_111742014	CACACTGTCCCCTTCTCCCCAGC	30034	hsa-miR-6760-3p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002867	12_+_111741993_111742014	ACACTGTCCCCTTCTCCCCAGC	30035	hsa-miR-6760-3p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002868	12_+_111741993_111742015	ACACTGTCCCCTTCTCCCCAGCG	30036	hsa-miR-6760-3p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002869	12_+_111741994_111742016	CACTGTCCCCTTCTCCCCAGCGA	30037	hsa-miR-6760-3p;Derives_from=MI0022605
NovelMiR_KnownLoci_ID0002870	12_+_112237643_112237658	TCTGAGAGAGCTCGAT	30038	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002871	12_+_112237643_112237659	TCTGAGAGAGCTCGATC	30039	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002872	12_+_112237643_112237662	TCTGAGAGAGCTCGATGGCA	30040	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002873	12_+_112237643_112237664	TCTGAGAGAGCTCGATGGCAGG	30041	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002874	12_+_112237643_112237665	TCTGAGAGAGCTCGATGGCAGGT	30042	hsa-miR-6761-5p;Derives_from=MI0022606

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002875	12_+_112237643_112237666	TCTGAGAGAGCTCGATGGCAGGTG	30043	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002876	12_+_112237644_112237662	CTGAGAGAGCTCGATGGCA	30044	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002877	12_+_112237644_112237664	CTGAGAGAGCTCGATGGCAGG	30045	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002878	12_+_112237644_112237665	CTGAGAGAGCTCGATGGCAGGT	30046	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002879	12_+_112237644_112237666	CTGAGAGAGCTCGATGGCAGGTG	30047	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002880	12_+_112237644_112237667	CTGAGAGAGCTCGATGGCAGGTGC	30048	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002881	12_+_112237644_112237668	CTGAGAGAGCTCGATGGCAGGTGC C	30049	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002882	12_+_112237645_112237666	TGAGAGAGCTCGATGGCAGGTG	30050	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002883	12_+_112237645_112237668	TGAGAGAGCTCGATGGCAGGTGCC	30051	hsa-miR-6761-5p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002884	12_+_112237684_112237702	CCTCCTACGCTGCTCTCTC	30052	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002885	12_+_112237684_112237703	CCTCCTACGCTGCTCTCTCA	30053	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002886	12_+_112237684_112237704	CCTCCTACGCTGCTCTCTCAC	30054	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002887	12_+_112237684_112237705	CCTCCTACGCTGCTCTCTCACT	30055	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002888	12_+_112237684_112237706	CCTCCTACGCTGCTCTCTCACTC	30056	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002889	12_+_112237684_112237707	CCTCCTACGCTGCTCTCTCACTCC	30057	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002890	12_+_112237684_112237709	CCTCCTACGCTGCTCTCTCACTCC AG	30058	hsa-miR-6761-3p;Derives_from=MI0022606

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002891	12_+_112237685_112237705	CTCCTACGCTGCTCTCTCACT	30059	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002892	12_+_112237685_112237706	CTCCTACGCTGCTCTCTCACTC	30060	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002893	12_+_112237685_112237707	CTCCTACGCTGCTCTCTCACTCC	30061	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002894	12_+_112237686_112237706	TCCTACGCTGCTCTCTCACTC	30062	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002895	12_+_112237686_112237708	TCCTACGCTGCTCTCTCACTCCA	30063	hsa-miR-6761-3p;Derives_from=MI0022606
NovelMiR_KnownLoci_ID0002896	12_-_112475426_112475451	TGTGTCCCATTATTGGTGATTTCA GA	30064	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002897	12_-_112475426_112475452	TTGTGTCCCATTATTGGTGATTTC AGA	30065	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002898	12_-_112475429_112475451	TGTGTCCCATTATTGGTGATTTC	30066	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002899	12_-_112475429_112475452	TTGTGTCCCATTATTGGTGATTTC	30067	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002900	12_-_112475430_112475451	TGTGTCCCATTATTGGTGATTT	30068	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002901	12_-_112475431_112475452	TTGTGTCCCATTATTGGTGATT	30069	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002902	12_-_112475434_112475452	TTGTGTCCCATTATTGGTG	30070	hsa-miR-3657;Derives_from=MI0016057
NovelMiR_KnownLoci_ID0002903	12_-_112601065_112601086	TGGACCTCTCCTCCCCAGGCCC	30071	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002904	12_-_112601066_112601086	TGGACCTCTCCTCCCCAGGCC	30072	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002905	12_-_112601067_112601086	TGGACCTCTCCTCCCCAGGC	30073	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002906	12_-_112601068_112601086	TGGACCTCTCCTCCCCAGG	30074	hsa-miR-6861-3p;Derives_from=MI0022708

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002907	12_-_112601068_112601090	CACCTGGACCTCTCCTCCCCAGG	30075	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002908	12_-_112601071_112601092	GACACCTGGACCTCTCCTCCCC	30076	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002909	12_-_112601073_112601092	GACACCTGGACCTCTCCTCC	30077	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002910	12_-_112601075_112601092	GACACCTGGACCTCTCCT	30078	hsa-miR-6861-3p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002911	12_-_112601096_112601120	ACTGGGTAGGTGGGGCTCCAGGGCT	30079	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002912	12_-_112601097_112601119	CTGGGTAGGTGGGGCTCCAGGGC	30080	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002913	12_-_112601097_112601120	ACTGGGTAGGTGGGGCTCCAGGGC	30081	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002914	12_-_112601097_112601121	CACTGGGTAGGTGGGGCTCCAGGGC	30082	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002915	12_-_112601098_112601119	CTGGGTAGGTGGGGCTCCAGGG	30083	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002916	12_-_112601098_112601120	ACTGGGTAGGTGGGGCTCCAGGG	30084	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002917	12_-_112601098_112601121	CACTGGGTAGGTGGGGCTCCAGGG	30085	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002918	12_-_112601098_112601122	GCACTGGGTAGGTGGGGCTCCAGGG	30086	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002919	12_-_112601099_112601119	CTGGGTAGGTGGGGCTCCAGG	30087	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002920	12_-_112601099_112601121	CACTGGGTAGGTGGGGCTCCAGG	30088	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002921	12_-_112601100_112601121	CACTGGGTAGGTGGGGCTCCAG	30089	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002922	12_-_112601101_112601120	ACTGGGTAGGTGGGGCTCCA	30090	hsa-miR-6861-5p;Derives_from=MI0022708

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002923	12_-_112601102_112601120	ACTGGGTAGGTGGGGCTCC	30091	hsa-miR-6861-5p;Derives_from=MI0022708
NovelMiR_KnownLoci_ID0002924	12_-_113596913_113596935	CCTGAATCCCTGTCCCAGCAGGT	30092	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002925	12_-_113596914_113596935	CCTGAATCCCTGTCCCAGCAGG	30093	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002926	12_-_113596914_113596936	CCCTGAATCCCTGTCCCAGCAGG	30094	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002927	12_-_113596915_113596937	TCCCTGAATCCCTGTCCCAGCAG	30095	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002928	12_-_113596915_113596939	GCTCCCTGAATCCCTGTCCCAGCAG	30096	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002929	12_-_113596916_113596935	CCTGAATCCCTGTCCCAGCA	30097	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002930	12_-_113596916_113596937	TCCCTGAATCCCTGTCCCAGCA	30098	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002931	12_-_113596917_113596936	CCCTGAATCCCTGTCCCAGC	30099	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002932	12_-_113596917_113596937	TCCCTGAATCCCTGTCCCAGC	30100	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002933	12_-_113596917_113596938	CTCCCTGAATCCCTGTCCCAGC	30101	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002934	12_-_113596917_113596940	AGCTCCCTGAATCCCTGTCCCAGC	30102	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002935	12_-_113596918_113596937	TCCCTGAATCCCTGTCCCAG	30103	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002936	12_-_113596918_113596938	CTCCCTGAATCCCTGTCCCAG	30104	hsa-miR-7106-3p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002937	12_-_113596952_113596969	GGGGATCTTGGGAGTGAT	30105	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002938	12_-_113596952_113596970	AGGGGATCTTGGGAGTGAT	30106	hsa-miR-7106-5p;Derives_from=MI0022957

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002939	12_-_113596953_113596974	GAGGAGGGGATCTTGGGAGTGA	30107	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002940	12_-_113596955_113596977	TGGGAGGAGGGGATCTTGGGAGT	30108	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002941	12_-_113596955_113596979	TCTGGGAGGAGGGGATCTTGGGAG T	30109	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002942	12_-_113596956_113596979	TCTGGGAGGAGGGGATCTTGGGAG	30110	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002943	12_-_113596956_113596980	TTCTGGGAGGAGGGGATCTTGGGA G	30111	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002944	12_-_113596959_113596980	TTCTGGGAGGAGGGGATCTTGG	30112	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002945	12_-_113596959_113596981	CTTCTGGGAGGAGGGGATCTTGG	30113	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002946	12_-_113596959_113596982	GCTTCTGGGAGGAGGGGATCTTGG	30114	hsa-miR-7106-5p;Derives_from=MI0022957
NovelMiR_KnownLoci_ID0002947	12_+_113729330_113729353	AGCCGGGGCCATGGAGCAGCCTGT	30115	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002948	12_+_113729331_113729353	GCCGGGGCCATGGAGCAGCCTGT	30116	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002949	12_+_113729331_113729354	GCCGGGGCCATCGAGCAGCCTGTG	30117	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002950	12_+_113729331_113729355	GCCGGGGCCATGGAGCAGCCTGTG T	30118	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002951	12_+_113729332_113729350	CCGGGGCCATGGAGCAGCC	30119	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002952	12_+_113729332_113729351	CCGGGGCCATGGAGCAGCCT	30120	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002953	12_+_113729332_113729353	CCGGGGCCATGGAGCAGCCTGT	30121	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002954	12_+_113729332_113729354	CCGGGGCCATGGAGCAGCCTGTG	30122	hsa-miR-6762-5p;Derives_from=MI0022607

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002955	12_+_113729332_113729355	CCGGGGCCATGGAGCAGCCTGTGT	30123	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002956	12_+_113729333_113729352	CGGGGCCATGGAGCAGCCTG	30124	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002957	12_+_113729333_113729353	CGGGGCCATGGAGCAGCCTGT	30125	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002958	12_+_113729333_113729354	CGGGGCCATGGAGCAGCCTGTG	30126	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002959	12_+_113729336_113729352	GGCCATGGAGCAGCCTG	30127	hsa-miR-6762-5p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002960	12_+_113729386_113729413	CTCACTGGCTGCTTCCCTTGGTCTCCAG	30128	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002961	12_+_113729390_113729407	CTGGCTGCTTCCCTTGGT	30129	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002962	12_+_113729390_113729408	CTGGCTGCTTCCCTTGGTC	30130	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002963	12_+_113729390_113729409	CTGGCTGCTTCCCTTGGTCT	30131	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002964	12_+_113729390_113729410	CTGGCTGCTTCCCTTGGTCTC	30132	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002965	12_+_113729390_113729411	CTGGCTGCTTCCCTTGGTCTCC	30133	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002966	12_+_113729390_113729412	CTGGCTGCTTCCCTTGGTCTCCA	30134	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002967	12_+_113729390_113729413	CTGGCTGCTTCCCTTGGTCTCCAG	30135	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002968	12_+_113729390_113729414	CTGGCTGCTTCCCTTGGTCTCCAGG	30136	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002969	12_+_113729390_113729415	CTGGCTGCTTCCCTTGGTCTCCAGGA	30137	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002970	12_+_113729391_113729414	TGGCTGCTTCCCTTGGTCTCCAGG	30138	hsa-miR-6762-3p;Derives_from=MI0022607

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002971	12_+_113729391_113729415	TGGCTGCTTCCCTTGGTCTCCAGGA	30139	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002972	12_+_113729392_113729414	GGCTGCTTCCCTTGGTCTCCAGG	30140	hsa-miR-6762-3p;Derives_from=MI0022607
NovelMiR_KnownLoci_ID0002973	12_-_120151453_120151474	TTGCTCACTGTTCTTCCCTAGA	30141	hsa-miR-1178-3p;Derives_from=MI0006271
NovelMiR_KnownLoci_ID0002974	12_-_120151453_120151475	GTTGCTCACTGTTCTTCCCTAGA	30142	hsa-miR-1178-3p;Derives_from=MI0006271
NovelMiR_KnownLoci_ID0002975	12_-_120151457_120151478	CAGGTTGCTCACTGTTCTTCCC	30143	hsa-miR-1178-3p;Derives_from=MI0006271
NovelMiR_KnownLoci_ID0002976	12_-_120151463_120151480	CTCAGGTTGCTCACTGTT	30144	hsa-miR-1178-3p;Derives_from=MI0006271
NovelMiR_KnownLoci_ID0002977	12_-_120151477_120151496	GTCAGCTGAGCATGCCCTCA	30145	hsa-miR-1178-5p;Derives_from=MI0006271
NovelMiR_KnownLoci_ID0002978	12_-_120151480_120151500	CAGGGTCAGCTGAGCATGCCC	30146	hsa-miR-1178-5p;Derives_from=MI0006271
NovelMiR_KnownLoci_ID0002979	12_-_120593271_120593298	TGGGCTGGCAGGGCAAGTGCTGCAGATC	30147	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002980	12_-_120593275_120593298	TGGGCTGGCAGGGCAAGTGCTGCA	30148	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002981	12_-_120593276_120593298	TGGGCTGGCAGGGCAAGTGCTGC	30149	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002982	12_-_120593276_120593299	CTGGGCTGGCAGGGCAAGTGCTGC	30150	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002983	12_-_120593277_120593297	GGGCTGGCAGGGCAAGTGCTG	30151	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002984	12_-_120593278_120593298	TGGGCTGGCAGGGCAAGTGCT	30152	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002985	12_-_120593279_120593298	TGGGCTGGCAGGGCAAGTGC	30153	hsa-miR-4498;Derives_from=MI0016860
NovelMiR_KnownLoci_ID0002986	12_-_120593280_120593298	TGGGCTGGCAGGGCAAGTG	30154	hsa-miR-4498;Derives_from=MI0016860

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0002987	12_+_121160999_121161016	GTGAGGTCTGGGGATGAG	30155	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002988	12_+_121160999_121161020	GTGAGGTCTGGGGATGAGGACA	30156	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002989	12_+_121161001_121161021	GAGGTCTGGGGATGAGGACAG	30157	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002990	12_+_121161002_121161019	AGGTCTGGGGATGAGGAC	30158	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002991	12_+_121161002_121161022	AGGTCTGGGGATGAGGACAGT	30159	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002992	12_+_121161002_121161023	AGGTCTGGGGATGAGGACAGTG	30160	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002993	12_+_121161002_121161026	AGGTCTGGGGATGAGGACAGTGTGT	30161	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002994	12_+_121161003_121161024	GGTCTGGGGATGAGGACAGTGT	30162	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002995	12_+_121161003_121161026	GGTCTGGGGATGAGGACAGTGTGT	30163	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002996	12_+_121161004_121161024	GTCTGGGGATGAGGACAGTGT	30164	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002997	12_+_121161004_121161026	GTCTGGGGATGAGGACAGTGTGT	30165	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002998	12_+_121161005_121161023	TCTGGGGATGAGGACAGTG	30166	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0002999	12_+_121161005_121161027	TCTGGGGATGAGGACAGTGTGTC	30167	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003000	12_+_121161006_121161028	CTGGGGATGAGGACAGTGTGTCC	30168	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003001	12_+_121161006_121161031	CTGGGGATGAGGACAGTGTGTCCT GA	30169	hsa-miR-4700-5p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003002	12_+_121161030_121161057	GAAATTCACAGGACTGACTCCTCA CCCC	30170	hsa-miR-4700-3p;Derives_from=MI0017333

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003003	12_+_121161031_121161057	AAATTCACAGGACTGACTCCTCACCCC	30171	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003004	12_+_121161036_121161057	CACAGGACTGACTCCTCACCCC	30172	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003005	12_+_121161036_121161060	CACAGGACTGACTCCTCACCCCAGT	30173	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003006	12_+_121161037_121161062	ACAGGACTGACTCCTCACCCCAGTGC	30174	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003007	12_+_121161038_121161063	CAGGACTGACTCCTCACCCCAGTGCA	30175	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003008	12_+_121161039_121161063	AGGACTGACTCCTCACCCCAGTGCA	30176	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003009	12_+_121161039_121161064	AGGACTGACTCCTCACCCCAGTGCAC	30177	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003010	12_+_121161040_121161057	GGACTGACTCCTCACCCC	30178	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003011	12_+_121161040_121161064	GGACTGACTCCTCACCCCAGTGCAC	30179	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003012	12_+_121161042_121161063	ACTGACTCCTCACCCCAGTGCA	30180	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003013	12_+_121161045_121161062	GACTCCTCACCCCAGTGC	30181	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003014	12_+_121161049_121161067	CCTCACCCCAGTGCACGAG	30182	hsa-miR-4700-3p;Derives_from=MI0017333
NovelMiR_KnownLoci_ID0003015	12_-_121882076_121882099	CATTCTCTCTTTTTGGCCTACAAG	30183	hsa-miR-7107-3p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003016	12_-_121882081_121882102	GTTCATTCTCTCTTTTTGGCCT	30184	hsa-miR-7107-3p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003017	12_-_121882081_121882105	TCTGTTCATTCTCTCTTTTTGGCCT	30185	hsa-miR-7107-3p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003018	12_-_121882082_121882105	TCTGTTCATTCTCTCTTTTTGGCC	30186	hsa-miR-7107-3p;Derives_from=MI0022958

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003019	12_-_121882083_121882105	TCTGTTCATTCTCTCTTTTTGGC	30187	hsa-miR-7107-3p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003020	12_-_121882084_121882105	TCTGTTCATTCTCTCTTTTTGG	30188	hsa-miR-7107-3p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003021	12_-_121882128_121882149	CGGCCTGGGGAGGAGGAAGGGC	30189	hsa-miR-7107-5p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003022	12_-_121882128_121882150	TCGGCCTGGGGAGGAGGAAGGGC	30190	hsa-miR-7107-5p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003023	12_-_121882130_121882150	TCGGCCTGGGGAGGAGGAAGG	30191	hsa-miR-7107-5p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003024	12_-_121882131_121882150	TCGGCCTGGGGAGGAGGAAG	30192	hsa-miR-7107-5p;Derives_from=MI0022958
NovelMiR_KnownLoci_ID0003025	1_+_212250964_212250982	GTTGGGACAAGAGGACGGT	30193	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003026	1_+_212250964_212250983	GTTGGGACAAGAGGACGGTC	30194	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003027	1_+_212250964_212250984	GTTGGGACAAGAGGACGGTCT	30195	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003028	1_+_212250964_212250986	GTTGGGACAAGAGGACGGTCTTC	30196	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003029	1_+_212250966_212250986	TGGGACAAGAGGACGGTCTTC	30197	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003030	1_+_212250966_212250987	TGGGACAAGAGGACGGTCTTCT	30198	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003031	1_+_212250967_212250985	GGGACAAGAGGACGGTCTT	30199	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003032	1_+_212250967_212250986	GGGACAAGAGGACGGTCTTC	30200	hsa-miR-3122;Derives_from=MI0014138
NovelMiR_KnownLoci_ID0003033	12_-_123849355_123849370	AGGTAGGCAGAGCAGG	30201	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003034	12_-_123849355_123849371	GAGGTAGGCAGAGCAGG	30202	hsa-miR-8072;Derives_from=MI0025908

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003035	12_-_123849355_123849372	GGAGGTAGGCAGAGCAGG	30203	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003036	12_-_123849355_123849373	GGGAGGTAGGCAGAGCAGG	30204	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003037	12_-_123849355_123849377	GGCGGGGAGGTAGGCAGAGCAGG	30205	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003038	12_-_123849355_123849378	CGGCGGGGAGGTAGGCAGAGCAGG	30206	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003039	12_-_123849355_123849379	GCGGCGGGGAGGTAGGCAGAGCAGG	30207	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003040	12_-_123849355_123849382	ATGGCGGCGGGGAGGTAGGCAGAGCAGG	30208	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003041	12_-_123849356_123849377	GGCGGGGAGGTAGGCAGAGCAG	30209	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003042	12_-_123849356_123849378	CGGCGGGGAGGTAGGCAGAGCAG	30210	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003043	12_-_123849357_123849378	CGGCGGGGAGGTAGGCAGAGCA	30211	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003044	12_-_123849358_123849378	CGGCGGGGAGGTAGGCAGAGC	30212	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003045	12_-_123849359_123849378	CGGCGGGGAGGTAGGCAGAG	30213	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003046	12_-_123849360_123849378	CGGCGGGGAGGTAGGCAGA	30214	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003047	12_-_123849360_123849379	GCGGCGGGGAGGTAGGCAGA	30215	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003048	12_-_123849360_123849380	GGCGGCGGGGAGGTAGGCAGA	30216	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003049	12_-_123849360_123849382	ATGGCGGCGGGGAGGTAGGCAGA	30217	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003050	12_-_123849360_123849384	AGATGGCGGCGGGGAGGTAGGCAGA	30218	hsa-miR-8072;Derives_from=MI0025908

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003051	12_-_123849360_123849385	AAGATGGCGGCGGGGAGGTAGGCAGA	30219	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003052	12_-_123849365_123849381	TGGCGGCGGGGAGGTAG	30220	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003053	12_-_123849365_123849384	AGATGGCGGCGGGGAGGTAG	30221	hsa-miR-8072;Derives_from=MI0025908
NovelMiR_KnownLoci_ID0003054	12_+_124020958_124020980	CTGAGCAATGTAGGTAGACTGTT	30222	hsa-miR-3908;Derives_from=MI0016412
NovelMiR_KnownLoci_ID0003055	12_+_124020959_124020981	TGAGCAATGTAGGTAGACTGTTT	30223	hsa-miR-3908;Derives_from=MI0016412
NovelMiR_KnownLoci_ID0003056	12_+_124020959_124020982	TGAGCAATGTAGGTAGACTGTTTC	30224	hsa-miR-3908;Derives_from=MI0016412
NovelMiR_KnownLoci_ID0003057	12_+_124020960_124020980	GAGCAATGTAGGTAGACTGTT	30225	hsa-miR-3908;Derives_from=MI0016412
NovelMiR_KnownLoci_ID0003058	12_+_124020960_124020982	GAGCAATGTAGGTAGACTGTTTC	30226	hsa-miR-3908;Derives_from=MI0016412
NovelMiR_KnownLoci_ID0003059	12_-_124821721_124821747	CCGCCTTCTCTCCTCCCCCAGGTCCAC	30227	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003060	12_-_124821724_124821747	CCGCCTTCTCTCCTCCCCCAGGTC	30228	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003061	12_-_124821725_124821747	CCGCCTTCTCTCCTCCCCCAGGT	30229	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003062	12_-_124821725_124821751	CTGACCGCCTTCTCTCCTCCCCCAGGT	30230	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003063	12_-_124821726_124821747	CCGCCTTCTCTCCTCCCCCAGG	30231	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003064	12_-_124821726_124821748	ACCGCCTTCTCTCCTCCCCCAGG	30232	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003065	12_-_124821726_124821749	GACCGCCTTCTCTCCTCCCCCAGG	30233	hsa-miR-6880-3p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003066	12_-_124821729_124821747	CCGCCTTCTCTCCTCCCCC	30234	hsa-miR-6880-3p;Derives_from=MI0022727

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003067	12_-_124821756_124821773	AGAGGGCAGCTCCCATGA	30235	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003068	12_-_124821760_124821784	GTGGTGGAGGAAGAGGGCAGCTCCC	30236	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003069	12_-_124821761_124821783	TGGTGGAGGAAGAGGGCAGCTCC	30237	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003070	12_-_124821762_124821784	GTGGTGGAGGAAGAGGGCAGCTC	30238	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003071	12_-_124821763_124821784	GTGGTGGAGGAAGAGGGCAGCT	30239	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003072	12_-_124821765_124821784	GTGGTGGAGGAAGAGGGCAG	30240	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003073	12_-_124821766_124821784	GTGGTGGAGGAAGAGGGCA	30241	hsa-miR-6880-5p;Derives_from=MI0022727
NovelMiR_KnownLoci_ID0003074	12_+_125400150_125400171	TTCAATAATCGGACCCATTTAA	30242	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003075	12_+_125400150_125400173	TTCAATAATCGGACCCATTTAAAC	30243	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003076	12_+_125400150_125400174	TTCAATAATCGGACCCATTTAAACC	30244	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003077	12_+_125400151_125400172	TCAATAATCGGACCCATTTAAA	30245	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003078	12_+_125400154_125400176	ATAATCGGACCCATTTAAACCGG	30246	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003079	12_+_125400156_125400174	AATCGGACCCATTTAAACC	30247	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003080	12_+_125400156_125400176	AATCGGACCCATTTAAACCGG	30248	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003081	12_+_125400156_125400177	AATCGGACCCATTTAAACCGGA	30249	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003082	12_+_125400156_125400180	AATCGGACCCATTTAAACCGGAGAT	30250	hsa-miR-5188;Derives_from=MI0018167

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003083	12_+_125400157_125400177	ATCGGACCCATTTAAACCGGA	30251	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003084	12_+_125400157_125400178	ATCGGACCCATTTAAACCGGAG	30252	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003085	12_+_125400157_125400179	ATCGGACCCATTTAAACCGGAGA	30253	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003086	12_+_125400157_125400180	ATCGGACCCATTTAAACCGGAGAT	30254	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003087	12_+_125400157_125400181	ATCGGACCCATTTAAACCGGAGATT	30255	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003088	12_+_125400158_125400177	TCGGACCCATTTAAACCGGA	30256	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003089	12_+_125400158_125400178	TCGGACCCATTTAAACCGGAG	30257	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003090	12_+_125400158_125400179	TCGGACCCATTTAAACCGGAGA	30258	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003091	12_+_125400158_125400181	TCGGACCCATTTAAACCGGAGATT	30259	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003092	12_+_125400160_125400181	GGACCCATTTAAACCGGAGATT	30260	hsa-miR-5188;Derives_from=MI0018167
NovelMiR_KnownLoci_ID0003093	12_+_128778650_128778668	AGGAGGCATCTTGAGAAAT	30261	hsa-miR-3612;Derives_from=MI0016002
NovelMiR_KnownLoci_ID0003094	12_+_128778650_128778670	AGGAGGCATCTTGAGAAATCG	30262	hsa-miR-3612;Derives_from=MI0016002
NovelMiR_KnownLoci_ID0003095	12_+_128778650_128778672	AGGAGGCATCTTGAGAAATGGAA	30263	hsa-miR-3612;Derives_from=MI0016002
NovelMiR_KnownLoci_ID0003096	12_+_128778650_128778673	AGGAGGCATCTTGAGAAATGGAAG	30264	hsa-miR-3612;Derives_from=MI0016002
NovelMiR_KnownLoci_ID0003097	12_+_13068810_13068827	TGCACTGAACGCCTGTTC	30265	hsa-miR-614;Derives_from=MI0003627
NovelMiR_KnownLoci_ID0003098	12_+_13068814_13068839	CTGAACGCCTGTTCTTGCCAGGTGGC	30266	hsa-miR-614;Derives_from=MI0003627

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003099	12_+_13068814_13068841	CTGAACGCCTGTTCTTGCCAGGTGGCAG	30267	hsa-miR-614;Derives_from=MI0003627
NovelMiR_KnownLoci_ID0003100	12_+_13068816_13068833	GAACGCCTGTTCTTGCCA	30268	hsa-miR-614;Derives_from=MI0003627
NovelMiR_KnownLoci_ID0003101	12_+_13068825_13068841	TTCTTGCCAGGTGGCAG	30269	hsa-miR-614;Derives_from=MI0003627
NovelMiR_KnownLoci_ID0003102	12_+_13068827_13068844	CTTGCCAGGTGGCAGAAG	30270	hsa-miR-614;Derives_from=MI0003627
NovelMiR_KnownLoci_ID0003103	1_-_21314864_21314882	CTTCTCACTAGCTGTGAAA	30271	hsa-miR-1256;Derives_from=MI0006390
NovelMiR_KnownLoci_ID0003104	1_-_21314868_21314891	AGGCATTGACTTCTCACTAGCTGT	30272	hsa-miR-1256;Derives_from=MI0006390
NovelMiR_KnownLoci_ID0003105	1_-_21314869_21314891	AGGCATTGACTTCTCACTAGCTG	30273	hsa-miR-1256;Derives_from=MI0006390
NovelMiR_KnownLoci_ID0003106	12_+_133158585_133158607	CTCCTGGGGAGTGGCTGGGGAGC	30274	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003107	12_+_133158585_133158608	CTCCTGGGGAGTGGCTGGGGAGCA	30275	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003108	12_+_133158586_133158606	TCCTGGGGAGTGGCTGGGGAG	30276	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003109	12_+_133158586_133158607	TCCTGGGGAGTGGCTGGGGAGC	30277	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003110	12_+_133158586_133158608	TCCTGGGGAGTGGCTGGGGAGCA	30278	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003111	12_+_133158586_133158609	TCCTGGGGAGTGGCTGGGGAGCAG	30279	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003112	12_+_133158587_133158605	CCTGGGGAGTGGCTGGGGA	30280	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003113	12_+_133158587_133158606	CCTGGGGAGTGGCTGGGGAG	30281	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003114	12_+_133158587_133158607	CCTGGGGAGTGGCTGGGGAGC	30282	hsa-miR-6763-5p;Derives_from=MI0022608

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003115	12_+_133158587_133158608	CCTGGGGAGTGGCTGGGGAGCA	30283	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003116	12_+_133158587_133158609	CCTGGGGAGTGGCTGGGGAGCAG	30284	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003117	12_+_133158587_133158610	CCTGGGGAGTGGCTGGGGAGCAGA	30285	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003118	12_+_133158588_133158607	CTGGGGAGTGGCTGGGGAGC	30286	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003119	12_+_133158588_133158608	CTGGGGAGTGGCTGGGGAGCA	30287	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003120	12_+_133158588_133158609	CTGGGGAGTGGCTGGGGAGCAG	30288	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003121	12_+_133158589_133158610	TGGGGAGTGGCTGGGGAGCAGA	30289	hsa-miR-6763-5p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003122	12_+_133158625_133158646	TGCTCCCCGGCCTCTGCCCCCA	30290	hsa-miR-6763-3p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003123	12_+_133158627_133158645	CTCCCCGGCCTCTGCCCCC	30291	hsa-miR-6763-3p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003124	12_+_133158627_133158646	CTCCCCGGCCTCTGCCCCCA	30292	hsa-miR-6763-3p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003125	12_+_133158627_133158648	CTCCCCGGCCTCTGCCCCCAGC	30293	hsa-miR-6763-3p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003126	12_+_133158627_133158649	CTCCCCGGCCTCTGCCCCCAGCT	30294	hsa-miR-6763-3p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003127	12_+_133158627_133158650	CTCCCCGGCCTCTGCCCCCAGCTC	30295	hsa-miR-6763-3p;Derives_from=MI0022608
NovelMiR_KnownLoci_ID0003128	12_-_1769476_1769492	GAGTGTCTAAGCACAGG	30296	hsa-miR-3649;Derives_from=MI0016049
NovelMiR_KnownLoci_ID0003129	12_-_1769476_1769496	ACCTGAGTGTCTAAGCACAGG	30297	hsa-miR-3649;Derives_from=MI0016049
NovelMiR_KnownLoci_ID0003130	12_-_1769486_1769506	AAACACAGGGACCTGAGTGTC	30298	hsa-miR-3649;Derives_from=MI0016049

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003131	12_-_1769489_1769506	AAACACAGGGACCTGAGT	30299	hsa-miR-3649;Derives_from=MI0016049
NovelMiR_KnownLoci_ID0003132	12_+_17826246_17826267	GTCATTGTAAGGTTAATGCACC	30300	hsa-miR-3974;Derives_from=MI0016992
NovelMiR_KnownLoci_ID0003133	12_+_17826252_17826268	GTAAGGTTAATGCACCC	30301	hsa-miR-3974;Derives_from=MI0016992
NovelMiR_KnownLoci_ID0003134	12_+_17826252_17826269	GTAAGGTTAATGCACCCA	30302	hsa-miR-3974;Derives_from=MI0016992
NovelMiR_KnownLoci_ID0003135	12_+_17826252_17826270	GTAAGGTTAATGCACCCAT	30303	hsa-miR-3974;Derives_from=MI0016992
NovelMiR_KnownLoci_ID0003136	1_-_220291216_220291241	TCTGTCATTTCTTTAGGCCAATATTC	30304	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003137	1_-_220291217_220291241	TCTGTCATTTCTTTAGGCCAATATT	30305	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003138	1_-_220291218_220291239	TGTCATTTCTTTAGGCCAATAT	30306	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003139	1_-_220291218_220291241	TCTGTCATTTCTTTAGGCCAATAT	30307	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003140	1_-_220291220_220291241	TCTGTCATTTCTTTAGGCCAAT	30308	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003141	1_-_220291221_220291241	TCTGTCATTTCTTTAGGCCAA	30309	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003142	1_-_220291222_220291241	TCTGTCATTTCTTTAGGCCA	30310	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003143	1_-_220291223_220291241	TCTGTCATTTCTTTAGGCC	30311	hsa-miR-215-3p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003144	1_-_220291254_220291277	TGACCTATGAATTGACAGACAATA	30312	hsa-miR-215-5p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003145	1_-_220291254_220291278	ATGACCTATGAATTGACAGACAATA	30313	hsa-miR-215-5p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003146	1_-_220291256_220291278	ATGACCTATGAATTGACAGACAA	30314	hsa-miR-215-5p;Derives_from=MI0000291

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003147	1_-_220291257_220291278	ATGACCTATGAATTGACAGACA	30315	hsa-miR-215-5p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003148	1_-_220291258_220291277	TGACCTATGAATTGACAGAC	30316	hsa-miR-215-5p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003149	1_-_220291259_220291277	TGACCTATGAATTGACAGA	30317	hsa-miR-215-5p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003150	1_-_220291259_220291278	ATGACCTATGAATTGACAGA	30318	hsa-miR-215-5p;Derives_from=MI0000291
NovelMiR_KnownLoci_ID0003151	1_-_220291542_220291568	GTAACAGCAACTCCATGTGGACTG TGT	30319	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003152	1_-_220291542_220291569	TGTAACAGCAACTCCATGTGGACT GTGT	30320	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003153	1_-_220291543_220291569	TGTAACAGCAACTCCATGTGGACT GTG	30321	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003154	1_-_220291545_220291568	GTAACAGCAACTCCATGTGGACTG	30322	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003155	1_-_220291545_220291569	TGTAACAGCAACTCCATGTGGACT G	30323	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003156	1_-_220291546_220291568	GTAACAGCAACTCCATGTGGACT	30324	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003157	1_-_220291546_220291569	TGTAACAGCAACTCCATGTGGACT	30325	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003158	1_-_220291547_220291568	GTAACAGCAACTCCATGTGGAC	30326	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003159	1_-_220291547_220291569	TGTAACAGCAACTCCATGTGGAC	30327	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003160	1_-_220291548_220291570	GTGTAACAGCAACTCCATGTGGA	30328	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003161	1_-_220291548_220291575	ATCAAGTGTAACAGCAACTCCATG TGGA	30329	hsa-miR-194-5p;Derives_from=MI0000488
NovelMiR_KnownLoci_ID0003162	1_-_220291551_220291571	AGTGTAACAGCAACTCCATGT	30330	hsa-miR-194-5p;Derives_from=MI0000488

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003163	1_-_220373888_220373913	TATTCATTTATCCCCAGCCTACAA AA	30331	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003164	1_-_220373889_220373913	TATTCATTTATCCCCAGCCTACAA A	30332	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003165	1_-_220373890_220373913	TATTCATTTATCCCCAGCCTACAA	30333	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003166	1_-_220373891_220373912	ATTCATTTATCCCCAGCCTACA	30334	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003167	1_-_220373892_220373913	TATTCATTTATCCCCAGCCTAC	30335	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003168	1_-_220373893_220373912	ATTCATTTATCCCCAGCCTA	30336	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003169	1_-_220373893_220373913	TATTCATTTATCCCCAGCCTA	30337	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003170	1_-_220373894_220373913	TATTCATTTATCCCCAGCCT	30338	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003171	1_-_220373895_220373913	TATTCATTTATCCCCAGCC	30339	hsa-miR-664a-3p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003172	1_-_220373924_220373949	TGGCTAGGGAAAATGATTGGATAG AA	30340	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003173	1_-_220373927_220373949	TGGCTAGGGAAAATGATTGGATA	30341	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003174	1_-_220373927_220373950	CTGGCTAGGGAAAATGATTGGATA	30342	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003175	1_-_220373927_220373951	ACTGGCTAGGGAAAATGATTGGAT A	30343	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003176	1_-_220373928_220373950	CTGGCTAGGGAAAATGATTGGAT	30344	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003177	1_-_220373929_220373950	CTGGCTAGGGAAAATGATTGGA	30345	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003178	1_-_220373929_220373951	ACTGGCTAGGGAAAATGATTGGA	30346	hsa-miR-664a-5p;Derives_from=MI0006442

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003179	1_-_220373930_220373950	CTGGCTAGGGAAAATGATTGG	30347	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003180	1_-_220373930_220373951	ACTGGCTAGGGAAAATGATTGG	30348	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003181	1_-_220373931_220373951	ACTGGCTAGGGAAAATGATTG	30349	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003182	1_-_220373932_220373950	CTGGCTAGGGAAAATGATT	30350	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003183	1_-_220373932_220373951	ACTGGCTAGGGAAAATGATT	30351	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003184	1_-_220373941_220373957	ATTGAAACTGGCTAGGG	30352	hsa-miR-664a-5p;Derives_from=MI0006442
NovelMiR_KnownLoci_ID0003185	12_+_24365406_24365424	GGGAGCTGTGGAAGCAGTA	30353	hsa-miR-920;Derives_from=MI0005712
NovelMiR_KnownLoci_ID0003186	12_+_24365407_24365424	GGAGCTGTGGAAGCAGTA	30354	hsa-miR-920;Derives_from=MI0005712
NovelMiR_KnownLoci_ID0003187	1_-_224444746_224444771	AAAGCTGGGTTGAGAGGGCAAAAGGA	30355	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003188	1_-_224444746_224444772	AAAAGCTGGGTTGAGAGGGCAAAAGGA	30356	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003189	1_-_224444747_224444770	AAGCTGGGTTGAGAGGGCAAAAGG	30357	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003190	1_-_224444747_224444772	AAAAGCTGGGTTGAGAGGGCAAAAGG	30358	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003191	1_-_224444748_224444770	AAGCTGGGTTGAGAGGGCAAAAG	30359	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003192	1_-_224444748_224444772	AAAAGCTGGGTTGAGAGGGCAAAAG	30360	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003193	1_-_224444749_224444770	AAGCTGGGTTGAGAGGGCAAAA	30361	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003194	1_-_224444749_224444771	AAAGCTGGGTTGAGAGGGCAAAA	30362	hsa-miR-320b;Derives_from=MI0003839

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003195	1_-_224444749_224444772	AAAAGCTGGGTTGAGAGGGCAAAA	30363	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003196	1_-_224444749_224444773	GAAAAGCTGGGTTGAGAGGGCAAAA	30364	hsa-miR-320b;Derives_from=MI0003839
NovelMiR_KnownLoci_ID0003197	1_-_224585927_224585949	TGTATTCTCCTTTGCCTGCAGGG	30365	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003198	1_-_224585928_224585949	TGTATTCTCCTTTGCCTGCAGG	30366	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003199	1_-_224585928_224585951	TCTGTATTCTCCTTTGCCTGCAGG	30367	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003200	1_-_224585929_224585950	CTGTATTCTCCTTTGCCTGCAG	30368	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003201	1_-_224585930_224585951	TCTGTATTCTCCTTTGCCTGCA	30369	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003202	1_-_224585931_224585949	TGTATTCTCCTTTGCCTGC	30370	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003203	1_-_224585931_224585951	TCTGTATTCTCCTTTGCCTGC	30371	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003204	1_-_224585932_224585951	TCTGTATTCTCCTTTGCCTG	30372	hsa-miR-4742-3p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003205	1_-_224585989_224586012	CAGGCAAAGGGATATTTACAGATA	30373	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003206	1_-_224585989_224586013	TCAGGCAAAGGGATATTTACAGAT A	30374	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003207	1_-_224585989_224586014	ATCAGGCAAAGGGATATTTACAGA TA	30375	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003208	1_-_224585990_224586013	TCAGGCAAAGGGATATTTACAGAT	30376	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003209	1_-_224585991_224586012	CAGGCAAAGGGATATTTACAGA	30377	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003210	1_-_224585991_224586014	ATCAGGCAAAGGGATATTTACAGA	30378	hsa-miR-4742-5p;Derives_from=MI0017380

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003211	1_-_224585991_224586015	CATCAGGCAAAGGGATATTTACAGA	30379	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003212	1_-_224585992_224586013	TCAGGCAAAGGGATATTTACAG	30380	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003213	1_-_224585992_224586014	ATCAGGCAAAGGGATATTTACAG	30381	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003214	1_-_224585993_224586013	TCAGGCAAAGGGATATTTACA	30382	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003215	1_-_224585993_224586014	ATCAGGCAAAGGGATATTTACA	30383	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003216	1_-_224585995_224586013	TCAGGCAAAGGGATATTTA	30384	hsa-miR-4742-5p;Derives_from=MI0017380
NovelMiR_KnownLoci_ID0003217	1_+_22592770_22592791	CACTGCAGGACTCAGCAGGAAT	30385	hsa-miR-4418;Derives_from=MI0016754
NovelMiR_KnownLoci_ID0003218	12_-_26026980_26027003	ACCAGTGTGGCTCAGCGAGGTGGC	30386	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003219	12_-_26026981_26027002	CCAGTGTGGCTCAGCGAGGTGG	30387	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003220	12_-_26026981_26027003	ACCAGTGTGGCTCAGCGAGGTGG	30388	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003221	12_-_26026982_26027003	ACCAGTGTGGCTCAGCGAGGTG	30389	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003222	12_-_26026983_26027003	ACCAGTGTGGCTCAGCGAGGT	30390	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003223	12_-_26026984_26027003	ACCAGTGTGGCTCAGCGAGG	30391	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003224	12_-_26026985_26027003	ACCAGTGTGGCTCAGCGAG	30392	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003225	12_-_26026986_26027003	ACCAGTGTGGCTCAGCGA	30393	hsa-miR-4302;Derives_from=MI0015833
NovelMiR_KnownLoci_ID0003226	1_-_226109776_226109801	TCGGCTCTCTCCCTCACCCTAGAAGC	30394	hsa-miR-6741-3p;Derives_from=MI0022586

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003227	1_-_226109778_226109800	CGGCTCTCTCCCTCACCCTAGAA	30395	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003228	1_-_226109778_226109801	TCGGCTCTCTCCCTCACCCTAGAA	30396	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003229	1_-_226109779_226109800	CGGCTCTCTCCCTCACCCTAGA	30397	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003230	1_-_226109779_226109801	TCGGCTCTCTCCCTCACCCTAGA	30398	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003231	1_-_226109780_226109800	CGGCTCTCTCCCTCACCCTAG	30399	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003232	1_-_226109781_226109800	CGGCTCTCTCCCTCACCCTA	30400	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003233	1_-_226109781_226109801	TCGGCTCTCTCCCTCACCCTA	30401	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003234	1_-_226109782_226109801	TCGGCTCTCTCCCTCACCCT	30402	hsa-miR-6741-3p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003235	1_-_226109813_226109837	GTGGGTGCTGGTGGGAGCCGTGCCC	30403	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003236	1_-_226109814_226109837	GTGGGTGCTGGTGGGAGCCGTGCC	30404	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003237	1_-_226109814_226109838	GGTGGGTGCTGGTGGGAGCCGTGCC	30405	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003238	1_-_226109815_226109833	GTGCTGGTGGGAGCCGTGC	30406	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003239	1_-_226109815_226109837	GTGGGTGCTGGTGGGAGCCGTGC	30407	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003240	1_-_226109816_226109838	GGTGGGTGCTGGTGGGAGCCGTG	30408	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003241	1_-_226109817_226109835	GGGTGCTGGTGGGAGCCGT	30409	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003242	1_-_226109817_226109836	TGGGTGCTGGTGGGAGCCGT	30410	hsa-miR-6741-5p;Derives_from=MI0022586

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003243	1_-_226109817_226109837	GTGGGTGCTGGTGGGAGCCGT	30411	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003244	1_-_226109817_226109838	GGTGGGTGCTGGTGGGAGCCGT	30412	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003245	1_-_226109817_226109839	GGGTGGGTGCTGGTGGGAGCCGT	30413	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003246	1_-_226109818_226109837	GTGGGTGCTGGTGGGAGCCG	30414	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003247	1_-_226109819_226109837	GTGGGTGCTGGTGGGAGCC	30415	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003248	1_-_226109820_226109837	GTGGGTGCTGGTGGGAGC	30416	hsa-miR-6741-5p;Derives_from=MI0022586
NovelMiR_KnownLoci_ID0003249	1_-_228129305_228129321	CAGGGCCTCGCCTGTCC	30417	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003250	1_-_228129305_228129322	CCAGGGCCTCGCCTGTCC	30418	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003251	1_-_228129306_228129328	GTGCTCCCAGGGCCTCGCCTGTC	30419	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003252	1_-_228129307_228129328	GTGCTCCCAGGGCCTCGCCTGT	30420	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003253	1_-_228129307_228129329	TGTGCTCCCAGGGCCTCGCCTGT	30421	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003254	1_-_228129308_228129331	CCTGTGCTCCCAGGGCCTCGCCTG	30422	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003255	1_-_228129310_228129331	CCTGTGCTCCCAGGGCCTCGCC	30423	hsa-miR-5008-3p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003256	1_-_228129340_228129363	TGAGGCCCTTGGGGCACAGTGGTG	30424	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003257	1_-_228129341_228129363	TGAGGCCCTTGGGGCACAGTGGT	30425	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003258	1_-_228129341_228129364	GTGAGGCCCTTGGGGCACAGTGGT	30426	hsa-miR-5008-5p;Derives_from=MI0017876

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003259	1_-_228129342_228129362	GAGGCCCTTGGGGCACAGTGG	30427	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003260	1_-_228129343_228129363	TGAGGCCCTTGGGGCACAGTG	30428	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003261	1_-_228129345_228129363	TGAGGCCCTTGGGGCACAG	30429	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003262	1_-_228129346_228129368	TCAGGTGAGGCCCTTGGGGCACA	30430	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003263	1_-_228129350_228129366	AGGTGAGGCCCTTGGGG	30431	hsa-miR-5008-5p;Derives_from=MI0017876
NovelMiR_KnownLoci_ID0003264	1_+_228284980_228285001	CAGGGAGTGGGCTGGGCTGGGC	30432	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003265	1_+_228284980_228285002	CAGGGAGTGGGCTGGGCTGGGCT	30433	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003266	1_+_228284980_228285003	CAGGGAGTGGGCTGGGCTGGGCTG	30434	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003267	1_+_228284981_228285001	AGGGAGTGGGCTGGGCTGGGC	30435	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003268	1_+_228284981_228285003	AGGGAGTGGGCTGGGCTGGGCTG	30436	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003269	1_+_228284981_228285004	AGGGAGTGGGCTGGGCTGGGCTGG	30437	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003270	1_+_228284982_228285004	GGGAGTGGGCTGGGCTGGGCTGG	30438	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003271	1_+_228284982_228285007	GGGAGTGGGCTGGGCTGGGCTGGGCC	30439	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003272	1_+_228284985_228285007	AGTGGGCTGGGCTGGGCTGGGCC	30440	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003273	1_+_228284986_228285005	GTGGGCTGGGCTGGGCTGGG	30441	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003274	1_+_228284986_228285008	GTGGGCTGGGCTGGGCTGGGCCA	30442	hsa-miR-3620-5p;Derives_from=MI0016011

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003275	1_+_228284991_228285013	CTGGGCTGGGCTGGGCCAAGGTA	30443	hsa-miR-3620-5p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003276	1_+_228285019_228285042	CCTCACCCTGCATCCCGCACCCAG	30444	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003277	1_+_228285019_228285043	CCTCACCCTGCATCCCGCACCCAGG	30445	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003278	1_+_228285020_228285043	CTCACCCTGCATCCCGCACCCAGG	30446	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003279	1_+_228285021_228285037	TCACCCTGCATCCCGCA	30447	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003280	1_+_228285021_228285040	TCACCCTGCATCCCGCACCC	30448	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003281	1_+_228285021_228285041	TCACCCTGCATCCCGCACCCA	30449	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003282	1_+_228285021_228285043	TCACCCTGCATCCCGCACCCAGG	30450	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003283	1_+_228285021_228285044	TCACCCTGCATCCCGCACCCAGGC	30451	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003284	1_+_228285022_228285042	CACCCTGCATCCCGCACCCAG	30452	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003285	1_+_228285022_228285043	CACCCTGCATCCCGCACCCAGG	30453	hsa-miR-3620-3p;Derives_from=MI0016011
NovelMiR_KnownLoci_ID0003286	1_-_228584746_228584768	ACCTGGGTTGTCCCCTCTAGGGT	30454	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003287	1_-_228584746_228584770	ACACCTGGGTTGTCCCCTCTAGGGT	30455	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003288	1_-_228584747_228584768	ACCTGGGTTGTCCCCTCTAGGG	30456	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003289	1_-_228584747_228584769	CACCTGGGTTGTCCCCTCTAGGG	30457	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003290	1_-_228584748_228584768	ACCTGGGTTGTCCCCTCTAGG	30458	hsa-miR-6742-3p;Derives_from=MI0022587

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003291	1_-_228584748_228584769	CACCTGGGTTGTCCCCTCTAGG	30459	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003292	1_-_228584748_228584770	ACACCTGGGTTGTCCCCTCTAGG	30460	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003293	1_-_228584749_228584769	CACCTGGGTTGTCCCCTCTAG	30461	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003294	1_-_228584749_228584770	ACACCTGGGTTGTCCCCTCTAG	30462	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003295	1_-_228584751_228584768	ACCTGGGTTGTCCCCTCT	30463	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003296	1_-_228584751_228584769	CACCTGGGTTGTCCCCTCT	30464	hsa-miR-6742-3p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003297	1_-_228584778_228584793	CCCAGCTGTTGGCCAT	30465	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003298	1_-_228584782_228584804	GTGGGGTGGGACCCAGCTGTTGG	30466	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003299	1_-_228584783_228584803	TGGGGTGGGACCCAGCTGTTG	30467	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003300	1_-_228584783_228584804	GTGGGGTGGGACCCAGCTGTTG	30468	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003301	1_-_228584783_228584805	AGTGGCGTGGGACCCAGCTGTTG	30469	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003302	1_-_228584783_228584806	GAGTGGGGTGGGACCCAGCTGTTG	30470	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003303	1_-_228584784_228584806	GAGTGGGGTGGGACCCAGCTGTT	30471	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003304	1_-_228584785_228584805	AGTGGGGTGGGACCCAGCTGT	30472	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003305	1_-_228584785_228584806	GAGTGGGGTGGGACCCAGCTGT	30473	hsa-miR-6742-5p;Derives_from=MI0022587
NovelMiR_KnownLoci_ID0003306	1_-_228584786_228584805	AGTGGGGTGGGACCCAGCTG	30474	hsa-miR-6742-5p;Derives_from=MI0022587

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003307	1_+_228649778_228649799	ACTTAAATACATGTCAGATTGT	30475	hsa-miR-4666a-5p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003308	1_+_228649778_228649802	ACTTAAATACATGTCAGATTGTAT G	30476	hsa-miR-4666a-5p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003309	1_+_228649784_228649805	ATACATGTCAGATTGTATGCCT	30477	hsa-miR-4666a-5p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003310	1_+_228649785_228649805	TACATGTCAGATTGTATGCCT	30478	hsa-miR-4666a-5p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003311	1_+_228649786_228649806	ACATGTCAGATTGTATGCCTA	30479	hsa-miR-4666a-5p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003312	1_+_228649787_228649808	CATGTCAGATTGTATGCCTACA	30480	hsa-miR-4666a-5p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003313	1_+_228649822_228649842	CTGGCATACAATCTGACATGT	30481	hsa-miR-4666a-3p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003314	1_+_228649822_228649843	CTGGCATACAATCTGACATGTA	30482	hsa-miR-4666a-3p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003315	1_+_228649823_228649842	TGGCATACAATCTGACATGT	30483	hsa-miR-4666a-3p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003316	1_+_228649823_228649844	TGGCATACAATCTGACATGTAT	30484	hsa-miR-4666a-3p;Derives_from=MI0017296
NovelMiR_KnownLoci_ID0003317	1_+_23046023_23046041	CTCTCTACTGACTTGCAAC	30485	hsa-miR-4684-5p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003318	1_+_23046023_23046042	CTCTCTACTGACTTGCAACA	30486	hsa-miR-4684-5p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003319	1_+_23046023_23046043	CTCTCTACTGACTTGCAACAT	30487	hsa-miR-4684-5p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003320	1_+_23046023_23046045	CTCTCTACTGACTTGCAACATAC	30488	hsa-miR-4684-5p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003321	1_+_23046059_23046076	TGTTGCAAGTCGGTGGAG	30489	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003322	1_+_23046059_23046077	TGTTGCAAGTCGGTGGAGA	30490	hsa-miR-4684-3p;Derives_from=MI0017316

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003323	1_+_23046059_23046078	TGTTGCAAGTCGGTGGAGAC	30491	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003324	1_+_23046059_23046079	TGTTGCAAGTCGGTGGAGACG	30492	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003325	1_+_23046059_23046081	TGTTGCAAGTCGGTGGAGACGTA	30493	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003326	1_+_23046059_23046082	TGTTGCAAGTCGGTGGAGACGTAC	30494	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003327	1_+_23046059_23046083	TGTTGCAAGTCGGTGGAGACGTAC C	30495	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003328	1_+_23046060_23046080	GTTGCAAGTCGGTGGAGACGT	30496	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003329	1_+_23046060_23046081	GTTGCAAGTCGGTGGAGACGTA	30497	hsa-miR-4684-3p;Derives_from=MI0017316
NovelMiR_KnownLoci_ID0003330	1_-_231155582_231155606	GGTCTTGGGAGGGATGTGACTGTT G	30498	hsa-miR-1182;Derives_from=MI0006275
NovelMiR_KnownLoci_ID0003331	1_-_231155587_231155606	GGTCTTGGGAGGGATGTGAC	30499	hsa-miR-1182;Derives_from=MI0006275
NovelMiR_KnownLoci_ID0003332	1_-_231155587_231155607	GGGTCTTGGGAGGGATGTGAC	30500	hsa-miR-1182;Derives_from=MI0006275
NovelMiR_KnownLoci_ID0003333	1_-_231155587_231155608	AGGGTCTTGGGAGGGATGTGAC	30501	hsa-miR-1182;Derives_from=MI0006275
NovelMiR_KnownLoci_ID0003334	1_+_23370803_23370820	ATATGGGTTTACTAGTTG	30502	hsa-miR-3115;Derives_from=MI0014127
NovelMiR_KnownLoci_ID0003335	1_+_23370803_23370821	ATATGGGTTTACTAGTTGG	30503	hsa-miR-3115;Derives_from=MI0014127
NovelMiR_KnownLoci_ID0003336	1_+_23370803_23370823	ATATGGGTTTACTAGTTGGTG	30504	hsa-miR-3115;Derives_from=MI0014127
NovelMiR_KnownLoci_ID0003337	1_+_23370803_23370824	ATATGGGTTTACTAGTTGGTGG	30505	hsa-miR-3115;Derives_from=MI0014127
NovelMiR_KnownLoci_ID0003338	1_+_233759940_233759961	GTCTGAATAGAGTCTGAAGAGT	30506	hsa-miR-4427;Derives_from=MI0016766

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003339	1_+_233759941_233759960	TCTGAATAGAGTCTGAAGAG	30507	hsa-miR-4427;Derives_from=MI0016766
NovelMiR_KnownLoci_ID0003340	1_+_233759941_233759962	TCTGAATAGAGTCTGAAGAGTC	30508	hsa-miR-4427;Derives_from=MI0016766
NovelMiR_KnownLoci_ID0003341	1_+_233759941_233759963	TCTGAATAGAGTCTGAAGAGTCT	30509	hsa-miR-4427;Derives_from=MI0016766
NovelMiR_KnownLoci_ID0003342	1_+_234442216_234442231	TTTAAGACCGAAGACT	30510	hsa-miR-4671-5p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003343	1_+_234442222_234442241	ACCGAAGACTGTGCGCTAAT	30511	hsa-miR-4671-5p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003344	1_+_234442222_234442242	ACCGAAGACTGTGCGCTAATC	30512	hsa-miR-4671-5p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003345	1_+_234442257_234442276	ATTAGTGCATAGTCTTTGGT	30513	hsa-miR-4671-3p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003346	1_+_234442257_234442277	ATTAGTGCATAGTCTTTGGTC	30514	hsa-miR-4671-3p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003347	1_+_234442257_234442278	ATTAGTGCATAGTCTTTGGTCT	30515	hsa-miR-4671-3p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003348	1_+_234442258_234442276	TTAGTGCATAGTCTTTGGT	30516	hsa-miR-4671-3p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003349	1_+_234442258_234442277	TTAGTGCATAGTCTTTGGTC	30517	hsa-miR-4671-3p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003350	1_+_234442258_234442280	TTAGTGCATAGTCTTTGGTCTCA	30518	hsa-miR-4671-3p;Derives_from=MI0017302
NovelMiR_KnownLoci_ID0003351	1_-_235353351_235353376	TTCTCTTTCTTTAGCCTTGTGTAGAT	30519	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003352	1_-_235353354_235353376	TTCTCTTTCTTTAGCCTTGTGTA	30520	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003353	1_-_235353355_235353375	TCTCTTTCTTTAGCCTTGTGT	30521	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003354	1_-_235353355_235353377	GTTCTCTTTCTTTAGCCTTGTGT	30522	hsa-miR-4753-3p;Derives_from=MI0017392

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003355	1_-_235353356_235353376	TTCTCTTTCTTTAGCCTTGTG	30523	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003356	1_-_235353356_235353377	GTTCTCTTTCTTTAGCCTTGTG	30524	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003357	1_-_235353357_235353377	GTTCTCTTTCTTTAGCCTTGT	30525	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003358	1_-_235353357_235353378	TGTTCTCTTTCTTTAGCCTTGT	30526	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003359	1_-_235353358_235353378	TGTTCTCTTTCTTTAGCCTTG	30527	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003360	1_-_235353358_235353380	GCTGTTCTCTTTCTTTAGCCTTG	30528	hsa-miR-4753-3p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003361	1_-_235353398_235353421	AAGGCCAAAGGAAGAGAACAGATA	30529	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003362	1_-_235353398_235353422	CAAGGCCAAAGGAAGAGAACAGATA	30530	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003363	1_-_235353400_235353420	AGGCCAAAGGAAGAGAACAGA	30531	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003364	1_-_235353400_235353421	AACGCCAAAGGAAGAGAACAGA	30532	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003365	1_-_235353400_235353422	CAAGGCCAAAGGAAGAGAACAGA	30533	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003366	1_-_235353401_235353420	AGGCCAAAGGAAGAGAACAG	30534	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003367	1_-_235353401_235353421	AAGGCCAAAGGAAGAGAACAG	30535	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003368	1_-_235353402_235353420	AGGCCAAAGGAAGAGAACA	30536	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003369	1_-_235353402_235353422	CAAGGCCAAAGGAAGAGAACA	30537	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003370	1_-_235353403_235353422	CAAGGCCAAAGGAAGAGAAC	30538	hsa-miR-4753-5p;Derives_from=MI0017392

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003371	1_-_235353404_235353422	CAAGGCCAAAGGAAGAGAA	30539	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003372	1_-_235353405_235353422	CAAGGCCAAAGGAAGAGA	30540	hsa-miR-4753-5p;Derives_from=MI0017392
NovelMiR_KnownLoci_ID0003373	1_-_236016297_236016323	AGAAAACCGTCTAGTTACAGTTGTAAG	30541	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003374	1_-_236016299_236016321	AAAACCGTCTAGTTACAGTTGTA	30542	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003375	1_-_236016300_236016317	CCGTCTAGTTACAGTTGT	30543	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003376	1_-_236016300_236016320	AAACCGTCTAGTTACAGTTGT	30544	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003377	1_-_236016301_236016321	AAAACCGTCTAGTTACAGTTG	30545	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003378	1_-_236016302_236016320	AAACCGTCTAGTTACAGTT	30546	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003379	1_-_236016302_236016321	AAAACCGTCTAGTTACAGTT	30547	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003380	1_-_236016302_236016323	AGAAAACCGTCTAGTTACAGTT	30548	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003381	1_-_236016303_236016321	AAAACCGTCTAGTTACAGT	30549	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003382	1_-_236016303_236016323	AGAAAACCGTCTAGTTACAGT	30550	hsa-miR-1537-3p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003383	1_-_236016331_236016348	AGTCACTTTTCTGTCCTG	30551	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003384	1_-_236016331_236016356	CTGTAATTAGTCAGTTTTCTGTCCTG	30552	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003385	1_-_236016334_236016356	CTGTAATTAGTCAGTTTTCTGTC	30553	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003386	1_-_236016335_236016356	CTGTAATTAGTCAGTTTTCTGT	30554	hsa-miR-1537-5p;Derives_from=MI0007258

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003387	1_-_236016335_236016357	GCTGTAATTAGTCAGTTTTCTGT	30555	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003388	1_-_236016336_236016356	CTGTAATTAGTCAGTTTTCTG	30556	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003389	1_-_236016336_236016358	AGCTGTAATTAGTCAGTTTTCTG	30557	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003390	1_-_236016337_236016356	CTGTAATTAGTCAGTTTTCT	30558	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003391	1_-_236016337_236016357	GCTGTAATTAGTCAGTTTTCT	30559	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003392	1_-_236016338_236016358	AGCTGTAATTAGTCAGTTTTC	30560	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003393	1_-_236016339_236016358	AGCTGTAATTAGTCAGTTTT	30561	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003394	1_-_236016341_236016358	AGCTGTAATTAGTCAGTT	30562	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003395	1_-_236016343_236016358	AGCTGTAATTAGTCAG	30563	hsa-miR-1537-5p;Derives_from=MI0007258
NovelMiR_KnownLoci_ID0003396	1_+_237634460_237634481	CTGGCAAGGAGACGGGAACATG	30564	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003397	1_+_237634460_237634482	CTGGCAAGGAGACGGGAACATGG	30565	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003398	1_+_237634460_237634483	CTGGCAAGGAGACGGGAACATGGA	30566	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003399	1_+_237634461_237634482	TGGCAAGGAGACGGGAACATGG	30567	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003400	1_+_237634464_237634484	CAAGGAGACGGGAACATGGAG	30568	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003401	1_+_237634464_237634486	CAAGGAGACGGGAACATGGAGCC	30569	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003402	1_+_237634464_237634488	CAAGGAGACGGGAACATGGAGCCG C	30570	hsa-miR-4428;Derives_from=MI0016767

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003403	1_+_237634468_237634485	GAGACGGGAACATGGAGC	30571	hsa-miR-4428;Derives_from=MI0016767
NovelMiR_KnownLoci_ID0003404	1_+_24255609_24255628	GCACTGGACTTGGAGCCAGA	30572	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003405	1_+_24255609_24255631	GCACTGGACTTGGAGCCAGAAGT	30573	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003406	1_+_24255611_24255631	ACTGGACTTGGAGCCAGAAGT	30574	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003407	1_+_24255611_24255632	ACTGGACTTGGAGCCAGAAGTC	30575	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003408	1_+_24255611_24255633	ACTGGACTTGGAGCCAGAAGTCT	30576	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003409	1_+_24255611_24255634	ACTGGACTTGGAGCCAGAAGTCTT	30577	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003410	1_+_24255611_24255635	ACTGGACTTGGAGCCAGAAGTCTTG	30578	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003411	1_+_24255612_24255632	CTGGACTTGGAGCCAGAAGTC	30579	hsa-miR-378f;Derives_from=MI0016756
NovelMiR_KnownLoci_ID0003412	12_-_42717538_42717563	TACCTGGGAGACTGAGGTTGGAAGAT	30580	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003413	12_-_42717540_42717563	TACCTGGGAGACTGAGGTTGGAAG	30581	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003414	12_-_42717541_42717561	CCTGGGAGACTGAGGTTGGAA	30582	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003415	12_-_42717541_42717563	TACCTGGGAGACTGAGGTTGGAA	30583	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003416	12_-_42717541_42717564	CTACCTGGGAGACTGAGGTTGGAA	30584	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003417	12_-_42717542_42717562	ACCTGGGAGACTGAGGTTGGA	30585	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003418	12_-_42717543_42717563	TACCTGGGAGACTGAGGTTGG	30586	hsa-miR-7851-3p;Derives_from=MI0025521

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003419	12_-_42717543_42717564	CTACCTGGGAGACTGAGGTTGG	30587	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003420	12_-_42717544_42717564	CTACCTGGGAGACTGAGGTTG	30588	hsa-miR-7851-3p;Derives_from=MI0025521
NovelMiR_KnownLoci_ID0003421	1_+_243509488_243509504	AATTGTTCTTTGGTCTT	30589	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003422	1_+_243509488_243509508	AATTGTTCTTTGGTCTTTCAG	30590	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003423	1_+_243509488_243509509	AATTGTTCTTTGGTCTTTCAGC	30591	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003424	1_+_243509488_243509510	AATTGTTCTTTGGTCTTTCAGCC	30592	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003425	1_+_243509489_243509508	ATTGTTCTTTGGTCTTTCAG	30593	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003426	1_+_243509489_243509509	ATTGTTCTTTGGTCTTTCAGC	30594	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003427	1_+_243509489_243509510	ATTGTTCTTTGGTCTTTCAGCC	30595	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003428	1_+_243509489_243509511	ATTGTTCTTTGGTCTTTCAGCCA	30596	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003429	1_+_243509489_243509512	ATTGTTCTTTGGTCTTTCAGCCAT	30597	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003430	1_+_243509489_243509513	ATTGTTCTTTGGTCTTTCAGCCATG	30598	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003431	1_+_243509490_243509508	TTGTTCTTTGGTCTTTCAG	30599	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003432	1_+_243509490_243509509	TTGTTCTTTGGTCTTTCAGC	30600	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003433	1_+_243509490_243509510	TTGTTCTTTGGTCTTTCAGCC	30601	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003434	1_+_243509490_243509512	TTGTTCTTTGGTCTTTCAGCCAT	30602	hsa-miR-4677-5p;Derives_from=MI0017308

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003435	1_+_243509490_243509513	TTGTTCTTTGGTCTTTCAGCCATG	30603	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003436	1_+_243509490_243509514	TTGTTCTTTGGTCTTTCAGCCATGA	30604	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003437	1_+_243509491_243509512	TGTTCTTTGGTCTTTCAGCCAT	30605	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003438	1_+_243509491_243509513	TGTTCTTTGGTCTTTCAGCCATG	30606	hsa-miR-4677-5p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003439	1_+_243509527_243509544	TCTGTGAGACCAAAGAAC	30607	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003440	1_+_243509527_243509545	TCTGTGAGACCAAAGAACT	30608	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003441	1_+_243509527_243509546	TCTGTGAGACCAAAGAACTA	30609	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003442	1_+_243509527_243509547	TCTGTGAGACCAAAGAACTAC	30610	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003443	1_+_243509527_243509549	TCTGTGAGACCAAAGAACTACTT	30611	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003444	1_+_243509527_243509550	TCTGTGAGACCAAAGAACTACTTT	30612	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003445	1_+_243509527_243509553	TCTGTGAGACCAAAGAACTACTTTGCT	30613	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003446	1_+_243509527_243509554	TCTGTGAGACCAAAGAACTACTTTGCTT	30614	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003447	1_+_243509530_243509548	GTGAGACCAAAGAACTACT	30615	hsa-miR-4677-3p;Derives_from=MI0017308
NovelMiR_KnownLoci_ID0003448	1_-_247365318_247365344	GAAGAGGAAGAAATGGCTGGTTCTCAG	30616	hsa-miR-3916;Derives_from=MI0016422
NovelMiR_KnownLoci_ID0003449	1_-_247365318_247365345	AGAAGAGGAAGAAATGGCTGGTTCTCAG	30617	hsa-miR-3916;Derives_from=MI0016422
NovelMiR_KnownLoci_ID0003450	1_-_247365319_247365344	GAAGAGGAAGAAATGGCTGGTTCTCA	30618	hsa-miR-3916;Derives_from=MI0016422

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003451	1_-_247365319_247365345	AGAAGAGGAAGAAATGGCTGGTTCTCA	30619	hsa-miR-3916;Derives_from=MI0016422
NovelMiR_KnownLoci_ID0003452	1_-_247365321_247365345	AGAAGAGGAAGAAATGGCTGGTTCT	30620	hsa-miR-3916;Derives_from=MI0016422
NovelMiR_KnownLoci_ID0003453	1_-_247365328_247365348	GGAAGAAGAGGAAGAAATGGC	30621	hsa-miR-3916;Derives_from=MI0016422
NovelMiR_KnownLoci_ID0003454	1_-_247365332_247365349	AGGAAGAAGAGGAAGAAA	30622	hsa-miR-3916;Derives_from=MI0016422
NovelMiR_KnownLoci_ID0003455	12_+_47581643_47581662	TCAAAATGTAGAGGAAGACC	30623	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003456	12_+_47581644_47581665	CAAAATGTAGAGGAAGACCCCA	30624	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003457	12_+_47581647_47581668	AATGTAGAGGAAGACCCCAGAA	30625	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003458	12_+_47581648_47581668	ATGTAGAGGAAGACCCCAGAA	30626	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003459	12_+_47581649_47581670	TGTAGAGGAAGACCCCAGAAGG	30627	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003460	12_+_47581649_47581671	TGTAGAGGAAGACCCCAGAAGGA	30628	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003461	12_+_47581650_47581667	GTAGAGGAAGACCCCAGA	30629	hsa-miR-4698;Derives_from=MI0017331
NovelMiR_KnownLoci_ID0003462	12_-_47757976_47758000	CAGACTGTGGCTGACCAGAGGTAAC	30630	hsa-miR-4494;Derives_from=MI0016856
NovelMiR_KnownLoci_ID0003463	12_-_47757977_47758000	CAGACTGTGGCTGACCAGAGGTAA	30631	hsa-miR-4494;Derives_from=MI0016856
NovelMiR_KnownLoci_ID0003464	12_-_47757979_47758001	CCAGACTGTGGCTGACCAGAGGT	30632	hsa-miR-4494;Derives_from=MI0016856
NovelMiR_KnownLoci_ID0003465	12_-_47757980_47758000	CAGACTGTGGCTGACCAGAGG	30633	hsa-miR-4494;Derives_from=MI0016856
NovelMiR_KnownLoci_ID0003466	12_-_47757981_47758001	CCAGACTGTGGCTGACCAGAG	30634	hsa-miR-4494;Derives_from=MI0016856

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003467	12_-_47757981_47758003	TTCCAGACTGTGGCTGACCAGAG	30635	hsa-miR-4494;Derives_from=MI0016856
NovelMiR_KnownLoci_ID0003468	12_+_48526582_48526597	ATTGGAATAGGGGATA	30636	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003469	12_+_48526582_48526600	ATTGGAATAGGGGATATCT	30637	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003470	12_+_48526582_48526602	ATTGGAATAGGGGATATCTCA	30638	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003471	12_+_48526582_48526603	ATTGGAATAGGGGATATCTCAG	30639	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003472	12_+_48526582_48526604	ATTGGAATAGGGGATATCTCAGC	30640	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003473	12_+_48526582_48526605	ATTGGAATAGGGGATATCTCAGCA	30641	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003474	12_+_48526582_48526607	ATTGGAATAGGGGATATCTCAGCATG	30642	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003475	12_+_48526583_48526600	TTGGAATAGGGGATATCT	30643	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003476	12_+_48526583_48526601	TTGGAATAGGGGATATCTC	30644	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003477	12_+_48526583_48526602	TTGGAATAGGGGATATCTCA	30645	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003478	12_+_48526583_48526603	TTGGAATAGGGGATATCTCAG	30646	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003479	12_+_48526583_48526605	TTGGAATAGGGGATATCTCAGCA	30647	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003480	12_+_48526583_48526606	TTGGAATAGGGGATATCTCAGCAT	30648	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003481	12_+_48526583_48526607	TTGGAATAGGGGATATCTCAGCATG	30649	hsa-miR-6505-5p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003482	12_+_48526584_48526605	TGGAATAGGGGATATCTCAGCA	30650	hsa-miR-6505-5p;Derives_from=MI0022217

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003483	12_+_48526629_48526650	CTGACTTCTACCTCTTCCAAAG	30651	hsa-miR-6505-3p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003484	12_+_48526630_48526651	TGACTTCTACCTCTTCCAAAGG	30652	hsa-miR-6505-3p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003485	12_+_48526630_48526652	TGACTTCTACCTCTTCCAAAGGG	30653	hsa-miR-6505-3p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003486	12_+_48526630_48526653	TGACTTCTACCTCTTCCAAAGGGA	30654	hsa-miR-6505-3p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003487	12_+_48526631_48526651	GACTTCTACCTCTTCCAAAGG	30655	hsa-miR-6505-3p;Derives_from=MI0022217
NovelMiR_KnownLoci_ID0003488	12_-_49048273_49048300	TGGCCCTGACTGAAGACCAGCAGTTGTA	30656	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003489	12_-_49048274_49048300	TGGCCCTGACTGAAGACCAGCAGTTGT	30657	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003490	12_-_49048274_49048301	GTGGCCCTGACTGAAGACCAGCAGTTGT	30658	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003491	12_-_49048275_49048300	TGGCCCTGACTGAAGACCAGCAGTTG	30659	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003492	12_-_49048275_49048301	GTGGCCCTGACTGAAGACCAGCAGTTG	30660	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003493	12_-_49048276_49048301	GTGGCCCTGACTGAAGACCAGCAGTT	30661	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003494	12_-_49048277_49048301	GTGGCCCTGACTGAAGACCAGCAGT	30662	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003495	12_-_49048278_49048301	GTGGCCCTGACTGAAGACCAGCAG	30663	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003496	12_-_49048279_49048300	TGGCCCTGACTGAAGACCAGCA	30664	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003497	12_-_49048279_49048301	GTGGCCCTGACTGAAGACCAGCA	30665	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003498	12_-_49048280_49048300	TGGCCCTGACTGAAGACCAGC	30666	hsa-miR-1291;Derives_from=MI0006353

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003499	12_-_49048280_49048301	GTGGCCCTGACTGAAGACCAGC	30667	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003500	12_-_49048281_49048301	GTGGCCCTGACTGAAGACCAG	30668	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003501	12_-_49048282_49048301	GTGGCCCTGACTGAAGACCA	30669	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003502	12_-_49048283_49048300	TGGCCCTGACTGAAGACC	30670	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003503	12_-_49048283_49048301	GTGGCCCTGACTGAAGACC	30671	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003504	12_-_49048284_49048301	GTGGCCCTGACTGAAGAC	30672	hsa-miR-1291;Derives_from=MI0006353
NovelMiR_KnownLoci_ID0003505	1_+_249120576_249120593	GCGGGCTTCGCGGGCGAA	30673	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003506	1_+_249120576_249120594	GCGGGCTTCGCGGGCGAAG	30674	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003507	1_+_249120576_249120597	GCGGGCTTCGCGGGCGAAGGCA	30675	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003508	1_+_249120578_249120599	GGGCTTCGCGGGCGAAGGCAAA	30676	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003509	1_+_249120581_249120606	CTTCGCGGGCGAAGGCAAAGTCGATT	30677	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003510	1_+_249120582_249120600	TTCGCGGGCGAAGGCAAAG	30678	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003511	1_+_249120582_249120601	TTCGCGGGCGAAGGCAAAGT	30679	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003512	1_+_249120582_249120603	TTCGCGGGCGAAGGCAAAGTCG	30680	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003513	1_+_249120582_249120604	TTCGCGGGCGAAGGCAAAGTCGA	30681	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003514	1_+_249120582_249120606	TTCGCGGGCGAAGGCAAAGTCGATT	30682	hsa-miR-3124-5p;Derives_from=MI0014140

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003515	1_+_249120587_249120604	GGGCGAAGGCAAAGTCGA	30683	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003516	1_+_249120590_249120606	CGAAGGCAAAGTCGATT	30684	hsa-miR-3124-5p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003517	1_+_249120617_249120637	ACTTTCCTCACTCCCGTGAAG	30685	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003518	1_+_249120618_249120637	CTTTCCTCACTCCCGTGAAG	30686	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003519	1_+_249120618_249120638	CTTTCCTCACTCCCGTGAAGT	30687	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003520	1_+_249120619_249120641	TTTCCTCACTCCCGTGAAGTCGG	30688	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003521	1_+_249120620_249120640	TTCCTCACTCCCGTGAAGTCG	30689	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003522	1_+_249120620_249120641	TTCCTCACTCCCGTGAAGTCGG	30690	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003523	1_+_249120620_249120642	TTCCTCACTCCCGTGAAGTCGGC	30691	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003524	1_+_249120626_249120644	ACTCCCGTGAAGTCGGCGG	30692	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003525	1_+_249120629_249120644	CCCGTGAAGTCGGCGG	30693	hsa-miR-3124-3p;Derives_from=MI0014140
NovelMiR_KnownLoci_ID0003526	12_-_49165757_49165776	GATGGGTGTGGTGTCCACAG	30694	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003527	12_-_49165757_49165777	TGATGGGTGTGGTGTCCACAG	30695	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003528	12_-_49165757_49165778	GTGATGGGTGTGGTGTCCACAG	30696	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003529	12_-_49165757_49165781	TGGGTGATGGGTGTGGTGTCCACAG	30697	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003530	12_-_49165757_49165782	ATGGGTGATGGGTGTGGTGTCCACAG	30698	hsa-miR-4701-3p;Derives_from=MI0017334

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003531	12_-_49165758_49165781	TGGGTGATGGGTGTGGTGTCCACA	30699	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003532	12_-_49165758_49165782	ATGGGTGATGGGTGTGGTGTCCACA	30700	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003533	12_-_49165760_49165782	ATGGGTGATGGGTGTGGTGTCCA	30701	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003534	12_-_49165761_49165781	TGGGTGATGGGTGTGGTGTCC	30702	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003535	12_-_49165761_49165782	ATGGGTGATGGGTGTGGTGTCC	30703	hsa-miR-4701-3p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003536	12_-_49165795_49165817	TGGCCACCACACCTACCCCTTGT	30704	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003537	12_-_49165795_49165819	CTTGGCCACCACACCTACCCCTTGT	30705	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003538	12_-_49165796_49165817	TGGCCACCACACCTACCCCTTG	30706	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003539	12_-_49165796_49165818	TTGGCCACCACACCTACCCCTTG	30707	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003540	12_-_49165796_49165820	CCTTGGCCACCACACCTACCCCTTG	30708	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003541	12_-_49165797_49165817	TGGCCACCACACCTACCCCTT	30709	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003542	12_-_49165797_49165819	CTTGGCCACCACACCTACCCCTT	30710	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003543	12_-_49165797_49165820	CCTTGGCCACCACACCTACCCCTT	30711	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003544	12_-_49165798_49165817	TGGCCACCACACCTACCCCT	30712	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003545	12_-_49165798_49165818	TTGGCCACCACACCTACCCCT	30713	hsa-miR-4701-5p;Derives_from=MI0017334
NovelMiR_KnownLoci_ID0003546	12_-_49165798_49165819	CTTGGCCACCACACCTACCCCT	30714	hsa-miR-4701-5p;Derives_from=MI0017334

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003547	12_-_50627959_50627979	TCTGGAGATTTGTGCAGCTTG	30715	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003548	12_-_50627961_50627984	GGTGGTCTGGAGATTTGTGCAGCT	30716	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003549	12_-_50627962_50627983	GTGGTCTGGAGATTTGTGCAGC	30717	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003550	12_-_50627962_50627984	GGTGGTCTGGAGATTTGTGCAGC	30718	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003551	12_-_50627962_50627985	GGGTGGTCTGGAGATTTGTGCAGC	30719	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003552	12_-_50627962_50627986	TGGGTGGTCTGGAGATTTGTGCAGC	30720	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003553	12_-_50627962_50627987	CTGGGTGGTCTGGAGATTTGTGCAGC	30721	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003554	12_-_50627963_50627983	GTGGTCTGGAGATTTGTGCAG	30722	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003555	12_-_50627964_50627983	GTGGTCTGGAGATTTGTGCA	30723	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003556	12_-_50627964_50627984	GGTGGTCTGGAGATTTGTGCA	30724	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003557	12_-_50627964_50627986	TGGGTGGTCTGGAGATTTGTGCA	30725	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003558	12_-_50627965_50627981	GGTCTGGAGATTTGTGC	30726	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003559	12_-_50627965_50627988	TCTGGGTGGTCTGGAGATTTGTGC	30727	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003560	12_-_50627966_50627986	TGGGTGGTCTGGAGATTTGTG	30728	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003561	12_-_50627966_50627987	CTGGGTGGTCTGGAGATTTGTG	30729	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003562	12_-_50627966_50627988	TCTGGGTGGTCTGGAGATTTGTG	30730	hsa-miR-1293;Derives_from=MI0006355

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003563	12_-_50627968_50627990	GTTCTGGGTGGTCTGGAGATTTG	30731	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003564	12_-_50627969_50627988	TCTGGGTGGTCTGGAGATTT	30732	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003565	12_-_50627970_50627988	TCTGGGTGGTCTGGAGATT	30733	hsa-miR-1293;Derives_from=MI0006355
NovelMiR_KnownLoci_ID0003566	1_-_25245833_25245856	TCTATTCCCCACTCTCCCCAGGGA	30734	hsa-miR-6731-3p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003567	1_-_25245834_25245856	TCTATTCCCCACTCTCCCCAGGG	30735	hsa-miR-6731-3p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003568	1_-_25245835_25245855	CTATTCCCCACTCTCCCCAGG	30736	hsa-miR-6731-3p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003569	1_-_25245835_25245856	TCTATTCCCCACTCTCCCCAGG	30737	hsa-miR-6731-3p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003570	1_-_25245835_25245857	CTCTATTCCCCACTCTCCCCAGG	30738	hsa-miR-6731-3p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003571	1_-_25245836_25245857	CTCTATTCCCCACTCTCCCCAG	30739	hsa-miR-6731-3p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003572	1_-_25245876_25245902	TGGGAGAGCAGGGTATTGTGGAAGCTC	30740	hsa-miR-6731-5p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003573	1_-_25245878_25245902	TGGGAGAGCAGGGTATTGTGGAAGC	30741	hsa-miR-6731-5p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003574	1_-_25245879_25245902	TGGGAGAGCAGGGTATTGTGGAAG	30742	hsa-miR-6731-5p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003575	1_-_25245880_25245902	TGGGAGAGCAGGGTATTGTGGAA	30743	hsa-miR-6731-5p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003576	1_-_25245881_25245897	GAGCAGGGTATTGTGGA	30744	hsa-miR-6731-5p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003577	1_-_25245881_25245906	CAGGTGGGAGAGCAGGGTATTGTGGA	30745	hsa-miR-6731-5p;Derives_from=MI0022576
NovelMiR_KnownLoci_ID0003578	1_-_25245882_25245902	TGGGAGAGCAGGGTATTGTGG	30746	hsa-miR-6731-5p;Derives_from=MI0022576

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003579	12_+_53450732_53450751	TTAGGGATGGGAGGCCAGGA	30747	hsa-miR-6757-5p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003580	12_+_53450732_53450754	TTAGGGATGGGAGGCCAGGATGA	30748	hsa-miR-6757-5p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003581	12_+_53450733_53450753	TAGGGATGGGAGGCCAGGATG	30749	hsa-miR-6757-5p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003582	12_+_53450733_53450755	TAGGGATGGGAGGCCAGGATGAA	30750	hsa-miR-6757-5p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003583	12_+_53450733_53450756	TAGGGATGGGAGGCCAGGATGAAG	30751	hsa-miR-6757-5p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003584	12_+_53450771_53450793	CCCAACACTGGCCTTGCTATCCC	30752	hsa-miR-6757-3p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003585	12_+_53450774_53450793	AACACTGGCCTTGCTATCCC	30753	hsa-miR-6757-3p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003586	12_+_53450774_53450794	AACACTGGCCTTGCTATCCCC	30754	hsa-miR-6757-3p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003587	12_+_53450774_53450796	AACACTGGCCTTGCTATCCCCAG	30755	hsa-miR-6757-3p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003588	12_+_53450774_53450797	AACACTGGCCTTGCTATCCCCAGG	30756	hsa-miR-6757-3p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003589	12_+_53450774_53450798	AACACTGGCCTTGCTATCCCCAGGG	30757	hsa-miR-6757-3p;Derives_from=MI0022602
NovelMiR_KnownLoci_ID0003590	1_+_25350043_25350059	TGTTGGGATTCAGCAGG	30758	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003591	1_+_25350043_25350061	TGTTGGGATTCAGCAGGAC	30759	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003592	1_+_25350043_25350062	TGTTGGGATTCAGCAGGACC	30760	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003593	1_+_25350043_25350063	TGTTGGGATTCAGCAGGACCA	30761	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003594	1_+_25350043_25350065	TGTTGGGATTCAGCAGGACCATT	30762	hsa-miR-4425;Derives_from=MI0016764

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003595	1_+_25350043_25350066	TGTTGGGATTCAGCAGGACCATTC	30763	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003596	1_+_25350045_25350064	TTGGGATTCAGCAGGACCAT	30764	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003597	1_+_25350045_25350065	TTGGGATTCAGCAGGACCATT	30765	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003598	1_+_25350045_25350066	TTGGGATTCAGCAGGACCATTC	30766	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003599	1_+_25350046_25350065	TGGGATTCAGCAGGACCATT	30767	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003600	1_+_25350046_25350068	TGGGATTCAGCAGGACCATTCGT	30768	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003601	1_+_25350049_25350069	GATTCAGCAGGACCATTCGTG	30769	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003602	1_+_25350049_25350070	GATTCAGCAGGACCATTCGTGT	30770	hsa-miR-4425;Derives_from=MI0016764
NovelMiR_KnownLoci_ID0003603	12_+_54385546_54385566	TAGGTAGTTTCATGTTGTTGG	30771	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003604	12_+_54385546_54385568	TAGGTAGTTTCATGTTGTTGGGA	30772	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003605	12_+_54385546_54385569	TAGGTAGTTTCATGTTGTTGGGAT	30773	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003606	12_+_54385546_54385570	TAGGTAGTTTCATGTTGTTGGGATT	30774	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003607	12_+_54385546_54385572	TAGGTAGTTTCATGTTGTTGGGATTGA	30775	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003608	12_+_54385547_54385568	AGGTAGTTTCATGTTGTTGGGA	30776	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003609	12_+_54385547_54385570	AGGTAGTTTCATGTTGTTGGGATT	30777	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003610	12_+_54385548_54385568	GGTAGTTTCATGTTGTTGGGA	30778	hsa-miR-196a-5p;Derives_from=MI0000279

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003611	12_+_54385548_54385569	GGTAGTTTCATGTTGTTGGGAT	30779	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003612	12_+_54385549_54385568	GTAGTTTCATGTTGTTGGGA	30780	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003613	12_+_54385549_54385569	GTAGTTTCATGTTGTTGGGAT	30781	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003614	12_+_54385549_54385570	GTAGTTTCATGTTGTTGGGATT	30782	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003615	12_+_54385549_54385571	GTAGTTTCATGTTGTTGGGATTG	30783	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003616	12_+_54385549_54385572	GTAGTTTCATGTTGTTGGGATTGA	30784	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003617	12_+_54385549_54385573	GTAGTTTCATGTTGTTGGGATTGAG	30785	hsa-miR-196a-5p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003618	12_+_54385580_54385603	ACTCGGCAACAAGAAACTGCCTGA	30786	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003619	12_+_54385582_54385599	TCGGCAACAAGAAACTGC	30787	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003620	12_+_54385582_54385600	TCGGCAACAAGAAACTGCC	30788	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003621	12_+_54385582_54385601	TCGGCAACAAGAAACTGCCT	30789	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003622	12_+_54385582_54385602	TCGGCAACAAGAAACTGCCTG	30790	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003623	12_+_54385582_54385603	TCGGCAACAAGAAACTGCCTGA	30791	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003624	12_+_54385582_54385604	TCGGCAACAAGAAACTGCCTGAG	30792	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003625	12_+_54385582_54385605	TCGGCAACAAGAAACTGCCTGAGT	30793	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003626	12_+_54385583_54385603	CGGCAACAAGAAACTGCCTGA	30794	hsa-miR-196a-3p;Derives_from=MI0000279

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003627	12_+_54385583_54385605	CGGCAACAAGAAACTGCCTGAGT	30795	hsa-miR-196a-3p;Derives_from=MI0000279
NovelMiR_KnownLoci_ID0003628	12_+_54427751_54427767	GGGGGTCCCCGGTGCTC	30796	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003629	12_+_54427751_54427768	GGGGGTCCCCGGTGCTCG	30797	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003630	12_+_54427751_54427769	GGGGGTCCCCGGTGCTCGG	30798	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003631	12_+_54427751_54427770	GGGGGTCCCCGGTGCTCGGA	30799	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003632	12_+_54427751_54427771	GGGGGTCCCCGGTGCTCGGAT	30800	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003633	12_+_54427751_54427773	GGGGGTCCCCGGTGCTCGGATCT	30801	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003634	12_+_54427751_54427774	GGGGGTCCCCGGTGCTCGGATCTC	30802	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003635	12_+_54427751_54427775	GGGGGTCCCCGGTGCTCGGATCTCG	30803	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003636	12_+_54427751_54427777	GGGGGTCCCCGGTGCTCGGATCTCGAG	30804	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003637	12_+_54427752_54427772	GGGGTCCCCGGTGCTCGGATC	30805	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003638	12_+_54427752_54427774	GGGGTCCCCGGTGCTCGGATCTC	30806	hsa-miR-615-5p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003639	12_+_54427794_54427811	TCCGAGCCTGGGTCTCCC	30807	hsa-miR-615-3p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003640	12_+_54427794_54427812	TCCGAGCCTGGGTCTCCCT	30808	hsa-miR-615-3p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003641	12_+_54427794_54427813	TCCGAGCCTGGGTCTCCCTC	30809	hsa-miR-615-3p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003642	12_+_54427794_54427814	TCCGAGCCTGGGTCTCCCTCT	30810	hsa-miR-615-3p;Derives_from=MI0003628

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003643	12_+_54427794_54427816	TCCGAGCCTGGGTCTCCCTCTTC	30811	hsa-miR-615-3p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003644	12_+_54427794_54427817	TCCGAGCCTGGGTCTCCCTCTTCC	30812	hsa-miR-615-3p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003645	12_+_54427794_54427819	TCCGAGCCTGGGTCTCCCTCTTCCCC	30813	hsa-miR-615-3p;Derives_from=MI0003628
NovelMiR_KnownLoci_ID0003646	12_-_54625194_54625218	GGTTCTGTGGAGTCCTGGGGAATGG	30814	hsa-miR-3198;Derives_from=MI0017335
NovelMiR_KnownLoci_ID0003647	12_-_54625195_54625218	GGTTCTGTGGAGTCCTGGGGAATG	30815	hsa-miR-3198;Derives_from=MI0017335
NovelMiR_KnownLoci_ID0003648	12_-_54625197_54625218	GGTTCTGTGGAGTCCTGGGGAA	30816	hsa-miR-3198;Derives_from=MI0017335
NovelMiR_KnownLoci_ID0003649	12_-_54625202_54625218	GGTTCTGTGGAGTCCTG	30817	hsa-miR-3198;Derives_from=MI0017335
NovelMiR_KnownLoci_ID0003650	12_-_54625203_54625218	GGTTCTGTGGAGTCCT	30818	hsa-miR-3198;Derives_from=MI0017335
NovelMiR_KnownLoci_ID0003651	12_+_54731023_54731039	GAAGTTCTGTTATACAC	30819	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003652	12_+_54731023_54731040	GAAGTTCTGTTATACACT	30820	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003653	12_+_54731023_54731041	GAAGTTCTGTTATACACTC	30821	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003654	12_+_54731023_54731042	GAAGTTCTGTTATACACTCA	30822	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003655	12_+_54731023_54731043	GAAGTTCTGTTATACACTCAG	30823	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003656	12_+_54731023_54731044	GAAGTTCTGTTATACACTCAGG	30824	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003657	12_+_54731023_54731045	GAAGTTCTGTTATACACTCAGGC	30825	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003658	12_+_54731023_54731046	GAAGTTCTGTTATACACTCAGGCT	30826	hsa-miR-148b-5p;Derives_from=MI0000811

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003659	12_+_54731023_54731047	GAAGTTCTGTTATACACTCAGGCTG	30827	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003660	12_+_54731023_54731048	GAAGTTCTGTTATACACTCAGGCTGT	30828	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003661	12_+_54731024_54731046	AAGTTCTGTTATACACTCAGGCT	30829	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003662	12_+_54731025_54731044	AGTTCTGTTATACACTCAGG	30830	hsa-miR-148b-5p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003663	12_+_54731062_54731080	TCAGTGCATCACAGAACTT	30831	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003664	12_+_54731062_54731081	TCAGTGCATCACAGAACTTT	30832	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003665	12_+_54731062_54731082	TCAGTGCATCACAGAACTTTG	30833	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003666	12_+_54731062_54731084	TCAGTGCATCACAGAACTTTGTC	30834	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003667	12_+_54731062_54731085	TCAGTGCATCACAGAACTTTGTCT	30835	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003668	12_+_54731062_54731086	TCAGTGCATCACAGAACTTTGTCTC	30836	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003669	12_+_54731062_54731087	TCAGTGCATCACAGAACTTTGTCTCG	30837	hsa-miR-148b-3p;Derives_from=MI0000811
NovelMiR_KnownLoci_ID0003670	12_+_57588287_57588304	GTGGCGCGGGGCACGGTGT	30838	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003671	12_+_57588287_57588305	GTGGGCGGGGGCAGGTGTG	30839	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003672	12_+_57588287_57588306	GTGGGCGGGGGCAGGTGTGT	30840	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003673	12_+_57588287_57588308	GTGGGCGGGGGCAGGTGTGTGG	30841	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003674	12_+_57588287_57588309	GTGGGCGGGGGCAGGTGTGTGGT	30842	hsa-miR-1228-5p;Derives_from=MI0006318

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003675	12_+_57588287_57588310	GTGGGCGGGGGCAGGTGTGTGGTG	30843	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003676	12_+_57588287_57588313	GTGGGCGGGGGCAGGTGTGTGGTGGGT	30844	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003677	12_+_57588288_57588306	TGGGCGGGGGCAGGTGTGT	30845	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003678	12_+_57588288_57588308	TGGGCGGGGGCAGGTGTGTGG	30846	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003679	12_+_57588288_57588311	TGGGCGGGGGCAGGTGTGTGGTGG	30847	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003680	12_+_57588288_57588313	TGGGCGGGGGCAGGTGTGTGGTGGGT	30848	hsa-miR-1228-5p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003681	12_+_57588336_57588356	CCTCACACCTGCCTCGCCCCC	30849	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003682	12_+_57588336_57588357	CCTCACACCTGCCTCGCCCCCC	30850	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003683	12_+_57588336_57588359	CCTCACACCTGCCTCGCCCCCCAG	30851	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003684	12_+_57588337_57588358	CTCACACCTGCCTCGCCCCCCA	30852	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003685	12_+_57588338_57588354	TCACACCTGCCTCGCCC	30853	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003686	12_+_57588338_57588356	TCACACCTGCCTCGCCCCC	30854	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003687	12_+_57588338_57588358	TCACACCTGCCTCGCCCCCCA	30855	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003688	12_+_57588338_57588359	TCACACCTGCCTCGCCCCCCAG	30856	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003689	12_+_57588338_57588360	TCACACCTGCCTCGCCCCCCAGG	30857	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003690	12_+_57588338_57588361	TCACACCTGCCTCGCCCCCCAGGT	30858	hsa-miR-1228-3p;Derives_from=MI0006318

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003691	12_+_57588339_57588360	CACACCTGCCTCGCCCCCCCAGG	30859	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003692	12_+_57588340_57588357	ACACCTGCCTCGCCCCCC	30860	hsa-miR-1228-3p;Derives_from=MI0006318
NovelMiR_KnownLoci_ID0003693	12_+_57906470_57906490	GTGGGCTAGAGAGGGGGAAGGA	30861	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003694	12_+_57906470_57906491	GTGGGCTAGAGAGGGGAAGGAT	30862	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003695	12_+_57906470_57906493	GTGGGCTAGAGAGGGGAAGGATGT	30863	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003696	12_+_57906471_57906491	TGGGCTAGAGAGGGGAAGGAT	30864	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003697	12_+_57906471_57906493	TGGGCTAGAGAGGGGAAGGATGT	30865	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003698	12_+_57906474_57906495	GCTAGAGAGGGGAAGGATGTGA	30866	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003699	12_+_57906476_57906496	TAGAGAGGGGAAGGATGTGAT	30867	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003700	12_+_57906476_57906497	TAGAGAGGGGAAGGATGTGATG	30868	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003701	12_+_57906476_57906499	TAGAGAGGGGAAGGATGTGATGTG	30869	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003702	12_+_57906476_57906500	TAGAGAGGGGAAGGATGTGATGTGA	30870	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003703	12_+_57906477_57906498	AGAGAGGGGAAGGATGTGATGT	30871	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003704	12_+_57906477_57906500	AGAGAGGGGAAGGATGTGATGTGA	30872	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003705	12_+_57906478_57906498	GAGAGGGGAAGGATGTGATGT	30873	hsa-miR-6758-5p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003706	12_+_57906478_57906500	GAGAGGGGAAGGATGTGATGTGA	30874	hsa-miR-6758-5p;Derives_from=MI0022603

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003707	12_+_57906509_57906534	TTCTCACTCATTCTCCTCTGTCCA GA	30875	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003708	12_+_57906509_57906535	TTCTCACTCATTCTCCTCTGTCCA GAG	30876	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003709	12_+_57906510_57906533	TCTCACTCATTCTCCTCTGTCCAG	30877	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003710	12_+_57906511_57906533	CTCACTCATTCTCCTCTGTCCAG	30878	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003711	12_+_57906511_57906534	CTCACTCATTCTCCTCTGTCCAGA	30879	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003712	12_+_57906511_57906535	CTCACTCATTCTCCTCTGTCCAGA G	30880	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003713	12_+_57906512_57906533	TCACTCATTCTCCTCTGTCCAG	30881	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003714	12_+_57906512_57906534	TCACTCATTCTCCTCTGTCCAGA	30882	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003715	12_+_57906514_57906534	ACTCATTCTCCTCTGTCCAGA	30883	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003716	12_+_57906514_57906535	ACTCATTCTCCTCTGTCCAGAG	30884	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003717	12_+_57906514_57906536	ACTCATTCTCCTCTGTCCAGAGT	30885	hsa-miR-6758-3p;Derives_from=MI0022603
NovelMiR_KnownLoci_ID0003718	12_-_57912964_57912986	GTCATTGGAGGGTTTGAGCAGAG	30886	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003719	12_-_57912965_57912986	GTCATTGGAGGGTTTGAGCAGA	30887	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003720	12_-_57912965_57912987	AGTCATTGGAGGGTTTGAGCAGA	30888	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003721	12_-_57912965_57912988	AAGTCATTGGAGGGTTTGAGCAGA	30889	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003722	12_-_57912966_57912986	GTCATTGGAGGGTTTGAGCAG	30890	hsa-miR-616-3p;Derives_from=MI0003629

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003723	12_-_57912966_57912988	AAGTCATTGGAGGGTTTGAGCAG	30891	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003724	12_-_57912967_57912988	AAGTCATTGGAGGGTTTGAGCA	30892	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003725	12_-_57912970_57912991	AGGAAGTCATTGGAGGGTTTGA	30893	hsa-miR-616-3p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003726	12_-_57913000_57913020	ACCCTTCAGTGACTTCCATGA	30894	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003727	12_-_57913000_57913022	AAACCCTTCAGTGACTTCCATGA	30895	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003728	12_-_57913001_57913027	ACTCAAAACCCTTCAGTGACTTCCATG	30896	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003729	12_-_57913002_57913024	CAAAACCCTTCAGTGACTTCCAT	30897	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003730	12_-_57913002_57913027	ACTCAAAACCCTTCAGTGACTTCCAT	30898	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003731	12_-_57913002_57913028	CACTCAAAACCCTTCAGTGACTTCCAT	30899	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003732	12_-_57913003_57913022	AAACCCTTCAGTGACTTCCA	30900	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003733	12_-_57913003_57913023	AAAACCCTTCAGTGACTTCCA	30901	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003734	12_-_57913003_57913024	CAAAACCCTTCAGTGACTTCCA	30902	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003735	12_-_57913003_57913025	TCAAAACCCTTCAGTGACTTCCA	30903	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003736	12_-_57913003_57913026	CTCAAAACCCTTCAGTGACTTCCA	30904	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003737	12_-_57913003_57913027	ACTCAAAACCCTTCAGTGACTTCCA	30905	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003738	12_-_57913006_57913028	CACTCAAAACCCTTCAGTGACTT	30906	hsa-miR-616-5p;Derives_from=MI0003629

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003739	12_-_57913007_57913028	CACTCAAAACCCTTCAGTGACT	30907	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003740	12_-_57913007_57913029	CCACTCAAAACCCTTCAGTGACT	30908	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003741	12_-_57913008_57913028	CACTCAAAACCCTTCAGTGAC	30909	hsa-miR-616-5p;Derives_from=MI0003629
NovelMiR_KnownLoci_ID0003742	12_-_58142399_58142422	TGACCTTTGCCTCTCCCCTCAGGA	30910	hsa-miR-6759-3p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003743	12_-_58142400_58142421	GACCTTTGCCTCTCCCCTCAGG	30911	hsa-miR-6759-3p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003744	12_-_58142400_58142422	TGACCTTTGCCTCTCCCCTCAGG	30912	hsa-miR-6759-3p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003745	12_-_58142402_58142422	TGACCTTTGCCTCTCCCCTCA	30913	hsa-miR-6759-3p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003746	12_-_58142403_58142426	TTTCTGACCTTTGCCTCTCCCCTC	30914	hsa-miR-6759-3p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003747	12_-_58142404_58142422	TGACCTTTGCCTCTCCCCT	30915	hsa-miR-6759-3p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003748	12_-_58142439_58142461	GTTGTGGGTGGGCAGAAGTCTGT	30916	hsa-miR-6759-5p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003749	12_-_58142441_58142460	TTGTGGGTGGGCAGAAGTCT	30917	hsa-miR-6759-5p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003750	12_-_58142441_58142461	GTTGTGGGTGGGCAGAAGTCT	30918	hsa-miR-6759-5p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003751	12_-_58142441_58142463	TTGTTGTGGGTGGGCAGAAGTCT	30919	hsa-miR-6759-5p;Derives_from=MI0022604
NovelMiR_KnownLoci_ID0003752	12_-_58218398_58218424	CCTATTCTTGATTACTTGTTTCTGGAG	30920	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003753	12_-_58218400_58218424	CCTATTCTTGATTACTTGTTTCTGG	30921	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003754	12_-_58218401_58218424	CCTATTCTTGATTACTTGTTTCTG	30922	hsa-miR-26a-2-3p;Derives_from=MI0000750

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003755	12_-_58218402_58218424	CCTATTCTTGATTACTTGTTTCT	30923	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003756	12_-_58218403_58218427	AGGCCTATTCTTGATTACTTGTTTC	30924	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003757	12_-_58218404_58218424	CCTATTCTTGATTACTTGTTT	30925	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003758	12_-_58218405_58218424	CCTATTCTTGATTACTTGTT	30926	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003759	12_-_58218405_58218425	GCCTATTCTTGATTACTTGTT	30927	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003760	12_-_58218405_58218427	AGGCCTATTCTTGATTACTTGTT	30928	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003761	12_-_58218406_58218424	CCTATTCTTGATTACTTGT	30929	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003762	12_-_58218406_58218427	AGGCCTATTCTTGATTACTTGT	30930	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003763	12_-_58218407_58218424	CCTATTCTTGATTACTTG	30931	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003764	12_-_58218407_58218427	AGGCCTATTCTTGATTACTTG	30932	hsa-miR-26a-2-3p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003765	12_-_58218435_58218462	TTCAAGTAATCCAGGATAGGCTGTTTCC	30933	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003766	12_-_58218436_58218461	TCAAGTAATCCAGGATAGGCTGTTTC	30934	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003767	12_-_58218436_58218462	TTCAAGTAATCCAGGATAGGCTGTTTC	30935	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003768	12_-_58218437_58218462	TTCAAGTAATCCAGGATAGGCTGTTT	30936	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003769	12_-_58218438_58218462	TTCAAGTAATCCAGGATAGGCTGTT	30937	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003770	12_-_58218440_58218463	ATTCAAGTAATCCAGGATAGGCTG	30938	hsa-miR-26a-5p;Derives_from=MI0000750

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003771	12_-_58218441_58218463	ATTCAAGTAATCCAGGATAGGCT	30939	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003772	12_-_58218441_58218464	GATTCAAGTAATCCAGGATAGGCT	30940	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003773	12_-_58218441_58218465	GGATTCAAGTAATCCAGGATAGGCT	30941	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003774	12_-_58218442_58218463	ATTCAAGTAATCCAGGATAGGC	30942	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003775	12_-_58218443_58218463	ATTCAAGTAATCCAGGATAGG	30943	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003776	12_-_58218445_58218463	ATTCAAGTAATCCAGGATA	30944	hsa-miR-26a-5p;Derives_from=MI0000750
NovelMiR_KnownLoci_ID0003777	1_-_26232869_26232885	GAGCAGGTGGGTGCGGG	30945	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003778	1_-_26232869_26232887	CTGAGCAGGTGGGTGCGGG	30946	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003779	1_-_26232869_26232890	GGACTGAGCAGGTGGGTGCGGG	30947	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003780	1_-_26232869_26232891	CGGACTGAGCAGGTGGGTGCGGG	30948	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003781	1_-_26232870_26232894	GCTCGGACTGAGCAGGTGGGTGCCG	30949	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003782	1_-_26232871_26232890	GGACTGAGCAGGTGGGTGCG	30950	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003783	1_-_26232871_26232891	CGGACTGAGCAGGTGGGTGCG	30951	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003784	1_-_26232872_26232893	CTCGGACTGAGCAGGTGGGTGC	30952	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003785	1_-_26232872_26232894	GCTCGGACTGAGCAGGTGGGTGC	30953	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003786	1_-_26232872_26232896	CGGCTCGGACTGAGCAGGTGGGTGC	30954	hsa-miR-3917;Derives_from=MI0016423

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003787	1_-_26232872_26232897	GCGGCTCGGACTGAGCAGGTGGGTGC	30955	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003788	1_-_26232873_26232891	CGGACTGAGCAGGTGGGTG	30956	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003789	1_-_26232873_26232892	TCGGACTGAGCAGGTGGGTG	30957	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003790	1_-_26232875_26232896	CGGCTCGGACTGAGCAGGTGGG	30958	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003791	1_-_26232876_26232899	AGGCGGCTCGGACTGAGCAGGTGG	30959	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003792	1_-_26232876_26232900	CAGGCGGCTCGGACTGAGCAGGTGG	30960	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003793	1_-_26232877_26232894	GCTCGGACTGAGCAGGTG	30961	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003794	1_-_26232877_26232896	CGGCTCGGACTGAGCAGGTG	30962	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003795	1_-_26232877_26232897	GCGGCTCGGACTGAGCAGGTG	30963	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003796	1_-_26232877_26232898	GGCGGCTCGGACTGAGCAGGTG	30964	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003797	1_-_26232877_26232899	AGGCGGCTCGGACTGAGCAGGTG	30965	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003798	1_-_26232877_26232900	CAGGCGGCTCGGACTGAGCAGGTG	30966	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003799	1_-_26232879_26232896	CGGCTCGGACTGAGCAGG	30967	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003800	1_-_26232880_26232899	AGGCGGCTCGGACTGAGCAG	30968	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003801	1_-_26232881_26232900	CAGGCGGCTCGGACTGAGCA	30969	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003802	1_-_26232882_26232898	GGCGGCTCGGACTGAGC	30970	hsa-miR-3917;Derives_from=MI0016423

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003803	1_-_26232882_26232899	AGGCGGCTCGGACTGAGC	30971	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003804	1_-_26232882_26232900	CAGGCGGCTCGGACTGAGC	30972	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003805	1_-_26232884_26232899	AGGCGGCTCGGACTGA	30973	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003806	1_-_26232884_26232900	CAGGCGGCTCGGACTGA	30974	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003807	1_-_26232885_26232900	CAGGCGGCTCGGACTG	30975	hsa-miR-3917;Derives_from=MI0016423
NovelMiR_KnownLoci_ID0003808	12_+_62654193_62654211	AAGATGGCGGAAGGCGGAG	30976	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003809	12_+_62654193_62654214	AAGATGGCGGAAGGCGGAGCGG	30977	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003810	12_+_62654196_62654217	ATGGCGGAAGGCGGAGCGGCGG	30978	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003811	12_+_62654197_62654213	TGGCGGAAGGCGGAGCG	30979	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003812	12_+_62654197_62654215	TGGCGGAAGGCGGAGCGGC	30980	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003813	12_+_62654198_62654216	GGCGGAAGGCGGAGCGGCG	30981	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003814	12_+_62654198_62654217	GGCGGAAGGCGGAGCGGCGG	30982	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003815	12_+_62654198_62654219	GGCGGAAGGCGGAGCGGCGGAT	30983	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003816	12_+_62654198_62654221	GGCGGAAGGCGGAGCGGCGGATCT	30984	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003817	12_+_62654199_62654216	GCGGAAGGCGGAGCGGCG	30985	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003818	12_+_62654200_62654217	CGGAAGGCGGAGCGGCGG	30986	hsa-miR-6125;Derives_from=MI0021259

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003819	12_+_62654200_62654220	CGGAAGGCGGAGCGGCGGATC	30987	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003820	12_+_62654200_62654221	CGGAAGGCGGAGCGGCGGATCT	30988	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003821	12_+_62654202_62654219	GAAGGCGGAGCGGCGGAT	30989	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003822	12_+_62654202_62654222	GAAGGCGGAGCGGCGGATCTG	30990	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003823	12_+_62654203_62654224	AAGGCGGAGCGGCGGATCTGGA	30991	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003824	12_+_62654204_62654222	AGGCGGAGCGGCGGATCTG	30992	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003825	12_+_62654204_62654224	AGGCGGAGCGGCGGATCTGGA	30993	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003826	12_+_62654205_62654222	GGCGGAGCGGCGGATCTG	30994	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003827	12_+_62654205_62654224	GGCGGAGCGGCGGATCTGGA	30995	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003828	12_+_62654206_62654222	GCGGAGCGGCGGATCTG	30996	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003829	12_+_62654206_62654223	GCGGAGCGGCGGATCTGG	30997	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003830	12_+_62654206_62654224	GCGGAGCGGCGGATCTGGA	30998	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003831	12_+_62654207_62654222	CGGAGCGGCGGATCTG	30999	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003832	12_+_62654207_62654224	CGGAGCGGCGGATCTGGA	31000	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003833	12_+_62654208_62654224	GGAGCGGCGGATCTGGA	31001	hsa-miR-6125;Derives_from=MI0021259
NovelMiR_KnownLoci_ID0003834	12_+_62654209_62654224	GAGCGGCGGATCTGGA	31002	hsa-miR-6125;Derives_from=MI0021259

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003835	12_+_62997471_62997489	TGAGGTAGTAGTTTGTGCT	31003	hsa-let-7i-5p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003836	12_+_62997471_62997490	TGAGGTAGTAGTTTGTGCTG	31004	hsa-let-7i-5p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003837	12_+_62997471_62997491	TGAGGTAGTAGTTTGTGCTGT	31005	hsa-let-7i-5p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003838	12_+_62997471_62997493	TGAGGTAGTAGTTTGTGCTGTTG	31006	hsa-let-7i-5p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003839	12_+_62997471_62997494	TGAGGTAGTAGTTTGTGCTGTTGG	31007	hsa-let-7i-5p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003840	12_+_62997471_62997496	TGAGGTAGTAGTTTGTGCTGTTGGTC	31008	hsa-let-7i-5p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003841	12_+_62997527_62997544	CTGCGCAAGCTACTGCCT	31009	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003842	12_+_62997527_62997545	CTGCGCAAGCTACTGCCTT	31010	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003843	12_+_62997527_62997546	CTGCGCAAGCTACTGCCTTG	31011	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003844	12_+_62997527_62997547	CTGCGCAAGCTACTGCCTTGC	31012	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003845	12_+_62997527_62997549	CTGCGCAAGCTACTGCCTTGCTA	31013	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003846	12_+_62997527_62997550	CTGCGCAAGCTACTGCCTTGCTAG	31014	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003847	12_+_62997527_62997552	CTGCGCAAGCTACTGCCTTGCTAGTG	31015	hsa-let-7i-3p;Derives_from=MI0000434
NovelMiR_KnownLoci_ID0003848	12_+_65016355_65016376	TCTCAATTACTTTTGCACCAAC	31016	hsa-miR-548c-3p;Derives_from=MI0003630
NovelMiR_KnownLoci_ID0003849	12_-_66417425_66417446	ATTCAGAGGCTAGGTGGAGATA	31017	hsa-miR-6074;Derives_from=MI0020351
NovelMiR_KnownLoci_ID0003850	12_-_66417427_66417445	TTCAGAGGCTAGGTGGAGA	31018	hsa-miR-6074;Derives_from=MI0020351

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003851	12_-_66417427_66417446	ATTCAGAGGCTAGGTGGAGA	31019	hsa-miR-6074;Derives_from=MI0020351
NovelMiR_KnownLoci_ID0003852	12_-_66417427_66417448	ATATTCAGAGGCTAGGTGGAGA	31020	hsa-miR-6074;Derives_from=MI0020351
NovelMiR_KnownLoci_ID0003853	12_-_66417428_66417448	ATATTCAGAGGCTAGGTGGAG	31021	hsa-miR-6074;Derives_from=MI0020351
NovelMiR_KnownLoci_ID0003854	12_-_66417429_66417445	TTCAGAGGCTAGGTGGA	31022	hsa-miR-6074;Derives_from=MI0020351
NovelMiR_KnownLoci_ID0003855	12_-_66417429_66417447	TATTCAGAGGCTAGGTGGA	31023	hsa-miR-6074;Derives_from=MI0020351
NovelMiR_KnownLoci_ID0003856	12_+_66644871_66644888	AGCTCTAGAAAGATTGTT	31024	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003857	12_+_66644871_66644889	AGCTCTAGAAAGATTGTTG	31025	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003858	12_+_66644871_66644890	AGCTCTAGAAAGATTGTTGA	31026	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003859	12_+_66644871_66644891	AGCTCTAGAAAGATTGTTGAC	31027	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003860	12_+_66644871_66644894	AGCTCTAGAAAGATTGTTGACCAA	31028	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003861	12_+_66644871_66644895	AGCTCTAGAAAGATTGTTGACCAAT	31029	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003862	12_+_66644871_66644896	AGCTCTAGAAAGATTGTTGACCAATC	31030	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003863	12_+_66644872_66644892	GCTCTAGAAAGATTGTTGACC	31031	hsa-miR-6502-5p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003864	12_+_66644905_66644932	GACTAGACCATCTTTCTAGAGTATAACT	31032	hsa-miR-6502-3p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003865	12_+_66644908_66644927	TAGACCATCTTTCTAGAGTA	31033	hsa-miR-6502-3p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003866	12_+_66644908_66644929	TAGACCATCTTTCTAGAGTATA	31034	hsa-miR-6502-3p;Derives_from=MI0022214

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003867	12_+_66644908_66644930	TAGACCATCTTTCTAGAGTATAA	31035	hsa-miR-6502-3p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003868	12_+_66644911_66644931	ACCATCTTTCTAGAGTATAAC	31036	hsa-miR-6502-3p;Derives_from=MI0022214
NovelMiR_KnownLoci_ID0003869	1_+_26881064_26881084	TCCTCCTGCCCTCCTTGCTGT	31037	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003870	1_+_26881064_26881086	TCCTCCTGCCCTCCTTGCTGTAG	31038	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003871	1_+_26881064_26881087	TCCTCCTGCCCTCCTTGCTGTAGA	31039	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003872	1_+_26881065_26881085	CCTCCTGCCCTCCTTGCTGTA	31040	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003873	1_+_26881065_26881086	CCTCCTGCCCTCCTTGCTGTAG	31041	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003874	1_+_26881065_26881087	CCTCCTGCCCTCCTTGCTGTAGA	31042	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003875	1_+_26881065_26881088	CCTCCTGCCCTCCTTGCTGTAGAC	31043	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003876	1_+_26881066_26881084	CTCCTGCCCTCCTTGCTGT	31044	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003877	1_+_26881066_26881085	CTCCTGCCCTCCTTGCTGTA	31045	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003878	1_+_26881066_26881086	CTCCTGCCCTCCTTGCTGTAG	31046	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003879	1_+_26881066_26881087	CTCCTGCCCTCCTTGCTGTAGA	31047	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003880	1_+_26881066_26881088	CTCCTGCCCTCCTTGCTGTAGAC	31048	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003881	1_+_26881067_26881085	TCCTGCCCTCCTTGCTGTA	31049	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003882	1_+_26881067_26881086	TCCTGCCCTCCTTGCTGTAG	31050	hsa-miR-1976;Derives_from=MI0009986

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003883	1_+_26881067_26881087	TCCTGCCCTCCTTGCTGTAGA	31051	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003884	1_+_26881067_26881088	TCCTGCCCTCCTTGCTGTAGAC	31052	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003885	1_+_26881068_26881087	CCTGCCCTCCTTGCTGTAGA	31053	hsa-miR-1976;Derives_from=MI0009986
NovelMiR_KnownLoci_ID0003886	12_-_69666962_69666980	ATTGCTTCTTTCTAATGCC	31054	hsa-miR-1279;Derives_from=MI0006426
NovelMiR_KnownLoci_ID0003887	12_-_69978521_69978543	ACATCAAGATCAGTCCCAAATAT	31055	hsa-miR-3913-3p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003888	12_-_69978524_69978544	GACATCAAGATCAGTCCCAAA	31056	hsa-miR-3913-3p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003889	12_-_69978525_69978545	AGACATCAAGATCAGTCCCAA	31057	hsa-miR-3913-3p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003890	12_-_69978525_69978546	CAGACATCAAGATCAGTCCCAA	31058	hsa-miR-3913-3p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003891	12_-_69978526_69978546	CAGACATCAAGATCAGTCCCA	31059	hsa-miR-3913-3p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003892	12_+_69978526_69978547	TGGGACTGATCTTGATGTCTGC	31060	hsa-miR-3913-5p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003893	12_+_69978526_69978551	TGGGACTGATCTTGATGTCTGCCAAG	31061	hsa-miR-3913-5p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003894	12_+_69978527_69978547	GGGACTGATCTTGATGTCTGC	31062	hsa-miR-3913-5p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003895	12_+_69978529_69978551	GACTGATCTTGATGTCTGCCAAG	31063	hsa-miR-3913-5p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003896	12_-_69978554_69978570	TCTTGATGTCTGCCAAA	31064	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003897	12_-_69978554_69978571	ATCTTGATGTCTGCCAAA	31065	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003898	12_-_69978554_69978572	GATCTTGATGTCTGCCAAA	31066	hsa-miR-3913-5p;Derives_from=MI0016417

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003899	12_-_69978554_69978573	TGATCTTGATGTCTGCCAAA	31067	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003900	12_-_69978554_69978574	CTGATCTTGATGTCTGCCAAA	31068	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003901	12_-_69978554_69978575	ACTGATCTTGATGTCTGCCAAA	31069	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003902	12_-_69978554_69978576	GACTGATCTTGATGTCTGCCAAA	31070	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003903	12_-_69978554_69978577	GGACTGATCTTGATGTCTGCCAAA	31071	hsa-miR-3913-5p;Derives_from=MI0016417
NovelMiR_KnownLoci_ID0003904	12_+_69978556_69978576	TGGCAGACATCAAGATCAGTC	31072	hsa-miR-3913-3p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003905	12_+_69978560_69978580	AGACATCAAGATCAGTCCCAA	31073	hsa-miR-3913-3p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003906	12_+_69978560_69978582	AGACATCAAGATCAGTCCCAAAT	31074	hsa-miR-3913-3p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003907	12_+_69978562_69978583	ACATCAAGATCAGTCCCAAATA	31075	hsa-miR-3913-3p;Derives_from=MI0016418
NovelMiR_KnownLoci_ID0003908	12_+_7072866_7072883	CGTCTTACCCAGCAGTGT	31076	hsa-miR-200c-5p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003909	12_+_7072866_7072884	CGTCTTACCCAGCAGTGTT	31077	hsa-miR-200c-5p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003910	12_+_7072866_7072885	CGTCTTACCCAGCAGTGTTT	31078	hsa-miR-200c-5p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003911	12_+_7072866_7072886	CGTCTTACCCAGCAGTGTTTG	31079	hsa-miR-200c-5p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003912	12_+_7072866_7072888	CGTCTTACCCAGCAGTGTTTGGG	31080	hsa-miR-200c-5p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003913	12_+_7072866_7072889	CGTCTTACCCAGCAGTGTTTGGGT	31081	hsa-miR-200c-5p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003914	12_+_7072867_7072885	GTCTTACCCAGCAGTGTTT	31082	hsa-miR-200c-5p;Derives_from=MI0000650

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003915	12_+_7072905_7072923	TAATACTGCCGGGTAATGA	31083	hsa-miR-200c-3p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003916	12_+_7072905_7072924	TAATACTGCCGGGTAATGAT	31084	hsa-miR-200c-3p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003917	12_+_7072905_7072925	TAATACTGCCGGGTAATGATG	31085	hsa-miR-200c-3p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003918	12_+_7072905_7072926	TAATACTGCCGGGTAATGATGG	31086	hsa-miR-200c-3p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003919	12_+_7072905_7072928	TAATACTGCCGGGTAATGATGGAG	31087	hsa-miR-200c-3p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003920	12_+_7072905_7072929	TAATACTGCCGGGTAATGATGGAG G	31088	hsa-miR-200c-3p;Derives_from=MI0000650
NovelMiR_KnownLoci_ID0003921	12_+_7073274_7073298	TCCATCTTCCAGTACAGTGTTGGA T	31089	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003922	12_+_7073276_7073293	CATCTTCCAGTACAGTGT	31090	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003923	12_+_7073276_7073294	CATCTTCCAGTACAGTGTT	31091	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003924	12_+_7073276_7073295	CATCTTCCAGTACAGTGTTG	31092	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003925	12_+_7073276_7073296	CATCTTCCAGTACAGTGTTGG	31093	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003926	12_+_7073276_7073298	CATCTTCCAGTACAGTGTTGGAT	31094	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003927	12_+_7073276_7073299	CATCTTCCAGTACAGTGTTGGATG	31095	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003928	12_+_7073276_7073301	CATCTTCCAGTACAGTGTTGGATG GT	31096	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003929	12_+_7073277_7073296	ATCTTCCAGTACAGTGTTGG	31097	hsa-miR-141-5p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003930	12_+_7073277_7073299	ATCTTCCAGTACAGTGTTGGATG	31098	hsa-miR-141-5p;Derives_from=MI0000457

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003931	12_+_7073318_7073334	TAACACTGTCTGGTAAA	31099	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003932	12_+_7073318_7073335	TAACACTGTCTGGTAAAG	31100	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003933	12_+_7073318_7073336	TAACACTGTCTGGTAAAGA	31101	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003934	12_+_7073318_7073337	TAACACTGTCTGGTAAAGAT	31102	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003935	12_+_7073318_7073338	TAACACTGTCTGGTAAAGATG	31103	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003936	12_+_7073318_7073340	TAACACTGTCTGGTAAAGATGGC	31104	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003937	12_+_7073318_7073341	TAACACTGTCTGGTAAAGATGGCT	31105	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003938	12_+_7073318_7073342	TAACACTGTCTGGTAAAGATGGCTC	31106	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003939	12_+_7073318_7073343	TAACACTGTCTGGTAAAGATGGCTCC	31107	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003940	12_+_7073318_7073345	TAACACTGTCTGGTAAAGATGGCTCCCG	31108	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003941	12_+_7073320_7073338	ACACTGTCTGGTAAAGATG	31109	hsa-miR-141-3p;Derives_from=MI0000457
NovelMiR_KnownLoci_ID0003942	12_+_79813041_79813060	AGAAGGAAATTGAATTCATT	31110	hsa-miR-1252-5p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003943	12_+_79813041_79813061	AGAAGGAAATTGAATTCATTT	31111	hsa-miR-1252-5p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003944	12_+_79813041_79813063	AGAAGGAAATTGAATTCATTTAG	31112	hsa-miR-1252-5p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003945	12_+_79813042_79813062	GAAGGAAATTGAATTCATTTA	31113	hsa-miR-1252-5p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003946	12_+_79813042_79813064	GAAGGAAATTGAATTCATTTAGA	31114	hsa-miR-1252-5p;Derives_from=MI0006434

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003947	12_+_79813043_79813063	AAGGAAATTGAATTCATTTAG	31115	hsa-miR-1252-5p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003948	12_+_79813043_79813064	AAGGAAATTGAATTCATTTAGA	31116	hsa-miR-1252-5p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003949	12_+_79813078_79813098	AATGAGCTTAATTTCCTTTTT	31117	hsa-miR-1252-3p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003950	12_+_79813078_79813099	AATGAGCTTAATTTCCTTTTTT	31118	hsa-miR-1252-3p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003951	12_+_79813078_79813100	AATGAGCTTAATTTCCTTTTTTC	31119	hsa-miR-1252-3p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003952	12_+_79813079_79813099	ATGAGCTTAATTTCCTTTTTT	31120	hsa-miR-1252-3p;Derives_from=MI0006434
NovelMiR_KnownLoci_ID0003953	12_-_81226373_81226393	AGACTTCCCATTTGAAGGTGG	31121	hsa-miR-617;Derives_from=MI0003631
NovelMiR_KnownLoci_ID0003954	12_-_81226373_81226394	TAGACTTCCCATTTGAAGGTGG	31122	hsa-miR-617;Derives_from=MI0003631
NovelMiR_KnownLoci_ID0003955	12_-_81226373_81226395	CTAGACTTCCCATTTGAAGGTGG	31123	hsa-miR-617;Derives_from=MI0003631
NovelMiR_KnownLoci_ID0003956	12_-_81226374_81226395	CTAGACTTCCCATTTGAAGGTG	31124	hsa-miR-617;Derives_from=MI0003631
NovelMiR_KnownLoci_ID0003957	12_-_81329573_81329597	AAACTCTACTTGTCCTTCTGAGTGT	31125	hsa-miR-618;Derives_from=MI0003632
NovelMiR_KnownLoci_ID0003958	12_-_81329574_81329597	AAACTCTACTTGTCCTTCTGAGTG	31126	hsa-miR-618;Derives_from=MI0003632
NovelMiR_KnownLoci_ID0003959	12_-_81329576_81329597	AAACTCTACTTGTCCTTCTGAG	31127	hsa-miR-618;Derives_from=MI0003632
NovelMiR_KnownLoci_ID0003960	12_-_81329577_81329597	AAACTCTACTTGTCCTTCTGA	31128	hsa-miR-618;Derives_from=MI0003632
NovelMiR_KnownLoci_ID0003961	12_-_81329578_81329597	AAACTCTACTTGTCCTTCTG	31129	hsa-miR-618;Derives_from=MI0003632
NovelMiR_KnownLoci_ID0003962	12_+_81552176_81552195	AGAAGATTGCAGAGTAAGTT	31130	hsa-miR-4699-5p;Derives_from=MI0017332

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003963	12_+_81552176_81552196	AGAAGATTGCAGAGTAAGTTC	31131	hsa-miR-4699-5p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003964	12_+_81552177_81552196	GAAGATTGCAGAGTAAGTTC	31132	hsa-miR-4699-5p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003965	12_+_81552178_81552199	AAGATTGCAGAGTAAGTTCCTG	31133	hsa-miR-4699-5p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003966	12_+_81552186_81552203	AGAGTAAGTTCCTGATTA	31134	hsa-miR-4699-5p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003967	12_+_81552209_81552228	TGGAATTTACTCTGCAATCT	31135	hsa-miR-4699-3p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003968	12_+_81552209_81552229	TGGAATTTACTCTGCAATCTT	31136	hsa-miR-4699-3p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003969	12_+_81552212_81552229	AATTTACTCTGCAATCTT	31137	hsa-miR-4699-3p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003970	12_+_81552212_81552231	AATTTACTCTGCAATCTTCT	31138	hsa-miR-4699-3p;Derives_from=MI0017332
NovelMiR_KnownLoci_ID0003971	12_+_94955572_94955593	ATGCATTAAATTATTGAAGGCC	31139	hsa-miR-5700;Derives_from=MI0019307
NovelMiR_KnownLoci_ID0003972	12_+_94955572_94955594	ATGCATTAAATTATTGAAGGCCC	31140	hsa-miR-5700;Derives_from=MI0019307
NovelMiR_KnownLoci_ID0003973	12_+_94955573_94955593	TGCATTAAATTATTGAAGGCC	31141	hsa-miR-5700;Derives_from=MI0019307
NovelMiR_KnownLoci_ID0003974	12_+_94955576_94955597	ATTAAATTATTGAAGGCCCTTG	31142	hsa-miR-5700;Derives_from=MI0019307
NovelMiR_KnownLoci_ID0003975	12_-_94965076_94965097	AGGACTGTGTGGTGTAAATAAC	31143	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003976	12_-_94965076_94965098	TAGGACTGTGTGGTGTAAATAAC	31144	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003977	12_-_94965080_94965102	AAACTAGGACTGTGTGGTGTAAA	31145	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003978	12_-_94965081_94965103	AAAACTAGGACTGTGTGGTGTAA	31146	hsa-miR-7844-5p;Derives_from=MI0025514

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003979	12_-_94965082_94965101	AACTAGGACTGTGTGGTGTA	31147	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003980	12_-_94965083_94965101	AACTAGGACTGTGTGGTGT	31148	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003981	12_-_94965083_94965103	AAAACTAGGACTGTGTGGTGT	31149	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003982	12_-_94965086_94965104	AAAAACTAGGACTGTGTGG	31150	hsa-miR-7844-5p;Derives_from=MI0025514
NovelMiR_KnownLoci_ID0003983	12_+_95228197_95228223	CCATCGAGGACCTGCGGGACAAGA TTC	31151	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003984	12_+_95228203_95228220	AGGACCTGCGGGACAAGA	31152	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003985	12_+_95228203_95228223	AGGACCTGCGGGACAAGATTC	31153	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003986	12_+_95228203_95228230	AGGACCTGCGGGACAAGATTCTTG GTGC	31154	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003987	12_+_95228205_95228231	GACCTGCGGGACAAGATTCTTGGT GCC	31155	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003988	12_+_95228209_95228231	TGCGGGACAAGATTCTTGGTGCC	31156	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003989	12_+_95228210_95228231	GCGGCACAAGATTCTTGGTGCC	31157	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003990	12_+_95228211_95228231	CGGGACAAGATTCTTGGTGCC	31158	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003991	12_+_95228212_95228231	GGGACAAGATTCTTGGTGCC	31159	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003992	12_+_95228213_95228231	GGACAAGATTCTTGGTGCC	31160	hsa-miR-492;Derives_from=MI0003131
NovelMiR_KnownLoci_ID0003993	12_+_95702216_95702237	TTGTTCTAGGTATGGTCCCAGG	31161	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0003994	12_+_95702216_95702239	TTGTTCTAGGTATGGTCCCAGGGA	31162	hsa-miR-331-5p;Derives_from=MI0000812

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0003995	12_+_95702216_95702241	TTGTTCTAGGTATGGTCCCAGGGATC	31163	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0003996	12_+_95702217_95702241	TGTTCTAGGTATGGTCCCAGGGATC	31164	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0003997	12_+_95702219_95702238	TTCTAGGTATGGTCCCAGGG	31165	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0003998	12_+_95702219_95702239	TTCTAGGTATGGTCCCAGGGA	31166	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0003999	12_+_95702219_95702240	TTCTAGGTATGGTCCCAGGGAT	31167	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004000	12_+_95702219_95702241	TTCTAGGTATGGTCCCAGGGATC	31168	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004001	12_+_95702220_95702240	TCTAGGTATGGTCCCAGGGAT	31169	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004002	12_+_95702220_95702241	TCTAGGTATGGTCCCAGGGATC	31170	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004003	12_+_95702220_95702242	TCTAGGTATGGTCCCAGGGATCC	31171	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004004	12_+_95702220_95702243	TCTAGGTATGGTCCCAGGGATCCC	31172	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004005	12_+_95702221_95702240	CTAGGTATGGTCCCAGGGAT	31173	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004006	12_+_95702221_95702241	CTAGGTATGGTCCCAGGGATC	31174	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004007	12_+_95702221_95702243	CTAGGTATGGTCCCAGGGATCCC	31175	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004008	12_+_95702221_95702244	CTAGGTATGGTCCCAGGGATCCCA	31176	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004009	12_+_95702221_95702246	CTAGGTATGGTCCCAGGGATCCCAGA	31177	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004010	12_+_95702225_95702240	GTATGGTCCCAGGGAT	31178	hsa-miR-331-5p;Derives_from=MI0000812

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004011	12_+_95702225_95702241	GTATGGTCCCAGGGATC	31179	hsa-miR-331-5p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004012	12_+_95702256_95702272	GCCCCTGGGCCTATCCT	31180	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004013	12_+_95702256_95702273	GCCCCTGGGCCTATCCTA	31181	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004014	12_+_95702256_95702274	GCCCCTGGGCCTATCCTAG	31182	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004015	12_+_95702256_95702275	GCCCCTGGGCCTATCCTAGA	31183	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004016	12_+_95702256_95702277	GCCCCTGGGCCTATCCTAGAAC	31184	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004017	12_+_95702256_95702278	GCCCCTGGGCCTATCCTAGAACC	31185	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004018	12_+_95702257_95702277	CCCCTGGGCCTATCCTAGAAC	31186	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004019	12_+_95702257_95702278	CCCCTGGGCCTATCCTAGAACC	31187	hsa-miR-331-3p;Derives_from=MI0000812
NovelMiR_KnownLoci_ID0004020	12_+_95703703_95703725	ATTTCCTACCCTACCTGAAGACT	31188	hsa-miR-3685;Derives_from=MI0016086
NovelMiR_KnownLoci_ID0004021	12_+_95703704_95703723	TTTCCTACCCTACCTGAAGA	31189	hsa-miR-3685;Derives_from=MI0016086
NovelMiR_KnownLoci_ID0004022	12_+_95703704_95703724	TTTCCTACCCTACCTGAAGAC	31190	hsa-miR-3685;Derives_from=MI0016086
NovelMiR_KnownLoci_ID0004023	12_+_95703705_95703725	TTCCTACCCTACCTGAAGACT	31191	hsa-miR-3685;Derives_from=MI0016086
NovelMiR_KnownLoci_ID0004024	12_+_97885691_97885709	ACTCTAGCTGCCAAAGGCG	31192	hsa-miR-1251-5p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004025	12_+_97885691_97885710	ACTCTAGCTGCCAAAGGCGC	31193	hsa-miR-1251-5p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004026	12_+_97885691_97885712	ACTCTAGCTGCCAAAGGCGCTT	31194	hsa-miR-1251-5p;Derives_from=MI0006386

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004027	12_+_97885691_97885713	ACTCTAGCTGCCAAAGGCGCTTC	31195	hsa-miR-1251-5p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004028	12_+_97885691_97885714	ACTCTAGCTGCCAAAGGCGCTTCT	31196	hsa-miR-1251-5p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004029	12_+_97885692_97885716	CTCTAGCTGCCAAAGGCGCTTCTCC	31197	hsa-miR-1251-5p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004030	12_+_97885693_97885709	TCTAGCTGCCAAAGGCG	31198	hsa-miR-1251-5p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004031	12_+_97885723_97885743	ACAGAGCGCTTTGCTCAGCCA	31199	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004032	12_+_97885727_97885745	AGCGCTTTGCTCAGCCAGT	31200	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004033	12_+_97885727_97885747	AGCGCTTTGCTCAGCCAGTGT	31201	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004034	12_+_97885727_97885749	AGCGCTTTGCTCAGCCAGTGTAG	31202	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004035	12_+_97885727_97885750	AGCGCTTTGCTCAGCCAGTGTAGA	31203	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004036	12_+_97885728_97885750	GCGCTTTGCTCAGCCAGTGTAGA	31204	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004037	12_+_97885729_97885750	CGCTTTGCTCAGCCAGTGTAGA	31205	hsa-miR-1251-3p;Derives_from=MI0006386
NovelMiR_KnownLoci_ID0004038	12_+_97957611_97957633	TTATGGCTTTTTATTCCTATGTG	31206	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004039	12_+_97957612_97957632	TATGGCTTTTTATTCCTATGT	31207	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004040	12_+_97957612_97957633	TATGGCTTTTTATTCCTATGTG	31208	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004041	12_+_97957612_97957636	TATGGCTTTTTATTCCTATGTGATA	31209	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004042	12_+_97957612_97957637	TATGGCTTTTTATTCCTATGTGATAG	31210	hsa-miR-135a-5p;Derives_from=MI0000453

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004043	12_+_97957612_97957638	TATGGCTTTTTATTCCTATGTGATAGT	31211	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004044	12_+_97957612_97957639	TATGGCTTTTTATTCCTATGTGATAGTA	31212	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004045	12_+_97957613_97957634	ATGGCTTTTTATTCCTATGTGA	31213	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004046	12_+_97957614_97957636	TGGCTTTTTATTCCTATGTGATA	31214	hsa-miR-135a-5p;Derives_from=MI0000453
NovelMiR_KnownLoci_ID0004047	12_-_98332874_98332895	AATGTAAACAGGCTTTTTGCTC	31215	hsa-miR-4495;Derives_from=MI0016857
NovelMiR_KnownLoci_ID0004048	12_-_98389199_98389216	TTCTGAGCTGAGGACAGC	31216	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004049	12_-_98389199_98389217	CTTCTGAGCTGAGGACAGC	31217	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004050	12_-_98389199_98389220	TAGCTTCTGAGCTGAGGACAGC	31218	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004051	12_-_98389199_98389221	ATAGCTTCTGAGCTGAGGACAGC	31219	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004052	12_-_98389200_98389218	GCTTCTGAGCTGAGGACAG	31220	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004053	12_-_98389200_98389220	TAGCTTCTGAGCTGAGGACAG	31221	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004054	12_-_98389206_98389221	ATAGCTTCTGAGCTGA	31222	hsa-miR-4303;Derives_from=MI0015834
NovelMiR_KnownLoci_ID0004055	1_+_3044571_3044591	TTCCTGAGAAAAGGGCCAACG	31223	hsa-miR-4251;Derives_from=MI0015861
NovelMiR_KnownLoci_ID0004056	1_+_3044571_3044592	TTCCTGAGAAAAGGGCCAACGT	31224	hsa-miR-4251;Derives_from=MI0015861
NovelMiR_KnownLoci_ID0004057	1_+_3044571_3044593	TTCCTGAGAAAAGGGCCAACGTG	31225	hsa-miR-4251;Derives_from=MI0015861
NovelMiR_KnownLoci_ID0004058	1_+_3044571_3044594	TTCCTGAGAAAAGGGCCAACGTGC	31226	hsa-miR-4251;Derives_from=MI0015861

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004059	1_+_3044572_3044592	TCCTGAGAAAAGGGCCAACGT	31227	hsa-miR-4251;Derives_from=MI0015861
NovelMiR_KnownLoci_ID0004060	13_+_100008394_100008409	AGAAGCATCCCTTGCA	31228	hsa-miR-623;Derives_from=MI0003637
NovelMiR_KnownLoci_ID0004061	13_+_100008394_100008411	AGAAGCATCCCTTGCAGG	31229	hsa-miR-623;Derives_from=MI0003637
NovelMiR_KnownLoci_ID0004062	13_+_100008394_100008418	AGAAGCATCCCTTGCAGGGGCTGTT	31230	hsa-miR-623;Derives_from=MI0003637
NovelMiR_KnownLoci_ID0004063	13_+_100295377_100295394	TGGAGAGAAAGGCAGTAG	31231	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004064	13_+_100295377_100295395	TGGAGAGAAAGGCAGTAGG	31232	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004065	13_+_100295377_100295396	TGGAGAGAAAGGCAGTAGGT	31233	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004066	13_+_100295377_100295397	TGGAGAGAAAGGCAGTAGGTC	31234	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004067	13_+_100295377_100295398	TGGAGAGAAAGGCAGTAGGTCT	31235	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004068	13_+_100295377_100295399	TGGAGAGAAAGGCAGTAGGTCTG	31236	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004069	13_+_100295381_100295399	GAGAAAGGCAGTAGGTCTG	31237	hsa-miR-4306;Derives_from=MI0015836
NovelMiR_KnownLoci_ID0004070	13_-_102620014_102620035	ATCATGGAGTTGGTAAAGCACA	31238	hsa-miR-2681-3p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004071	13_-_102620014_102620036	TATCATGGAGTTGGTAAAGCACA	31239	hsa-miR-2681-3p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004072	13_-_102620015_102620032	ATGGAGTTGGTAAAGCAC	31240	hsa-miR-2681-3p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004073	13_-_102620016_102620035	ATCATGGAGTTGGTAAAGCA	31241	hsa-miR-2681-3p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004074	13_-_102620016_102620036	TATCATGGAGTTGGTAAAGCA	31242	hsa-miR-2681-3p;Derives_from=MI0012062

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004075	13_-_102620017_102620036	TATCATGGAGTTGGTAAAGC	31243	hsa-miR-2681-3p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004076	13_-_102620052_102620074	TTTTACCACCTCCAGGAGACTGC	31244	hsa-miR-2681-5p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004077	13_-_102620053_102620074	TTTTACCACCTCCAGGAGACTG	31245	hsa-miR-2681-5p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004078	13_-_102620054_102620074	TTTTACCACCTCCAGGAGACT	31246	hsa-miR-2681-5p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004079	13_-_102620056_102620074	TTTTACCACCTCCAGGAGA	31247	hsa-miR-2681-5p;Derives_from=MI0012062
NovelMiR_KnownLoci_ID0004080	13_-_102698320_102698345	TCAATCACTTGGTAATTGCTGTGATA	31248	hsa-miR-4705;Derives_from=MI0017338
NovelMiR_KnownLoci_ID0004081	13_-_102698325_102698345	TCAATCACTTGGTAATTGCTG	31249	hsa-miR-4705;Derives_from=MI0017338
NovelMiR_KnownLoci_ID0004082	13_-_102698326_102698345	TCAATCACTTGGTAATTGCT	31250	hsa-miR-4705;Derives_from=MI0017338
NovelMiR_KnownLoci_ID0004083	13_-_102698326_102698347	GATCAATCACTTGGTAATTGCT	31251	hsa-miR-4705;Derives_from=MI0017338
NovelMiR_KnownLoci_ID0004084	13_-_102698327_102698345	TCAATCACTTGGTAATTGC	31252	hsa-miR-4705;Derives_from=MI0017338
NovelMiR_KnownLoci_ID0004085	13_-_102698327_102698347	GATCAATCACTTGGTAATTGC	31253	hsa-miR-4705;Derives_from=MI0017338
NovelMiR_KnownLoci_ID0004086	13_-_108183561_108183585	CCTGTTGAAGTGTAATCCCCACCTC	31254	hsa-miR-1267;Derives_from=MI0006404
NovelMiR_KnownLoci_ID0004087	13_-_108183562_108183584	CTGTTGAAGTGTAATCCCCACCT	31255	hsa-miR-1267;Derives_from=MI0006404
NovelMiR_KnownLoci_ID0004088	13_-_108183562_108183585	CCTGTTGAAGTGTAATCCCCACCT	31256	hsa-miR-1267;Derives_from=MI0006404
NovelMiR_KnownLoci_ID0004089	13_-_108183564_108183585	CCTGTTGAAGTGTAATCCCCAC	31257	hsa-miR-1267;Derives_from=MI0006404
NovelMiR_KnownLoci_ID0004090	13_+_110993313_110993332	TGACCTGGCAGCAGGGAGCG	31258	hsa-miR-8073;Derives_from=MI0025909

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004091	13_+_110993313_110993333	TGACCTGGCAGCAGGGAGCGT	31259	hsa-miR-8073;Derives_from=MI0025909
NovelMiR_KnownLoci_ID0004092	13_+_110993313_110993335	TGACCTGGCAGCAGGGAGCGTCG	31260	hsa-miR-8073;Derives_from=MI0025909
NovelMiR_KnownLoci_ID0004093	13_+_110993326_110993342	GGGAGCGTCGTCAGTGT	31261	hsa-miR-8073;Derives_from=MI0025909
NovelMiR_KnownLoci_ID0004094	13_+_115010015_115010035	GTAAAACTGCAGTTATTTTTG	31262	hsa-miR-548ar-3p;Derives_from=MI0019131
NovelMiR_KnownLoci_ID0004095	13_+_115010015_115010036	GTAAAACTGCAGTTATTTTTGC	31263	hsa-miR-548ar-3p;Derives_from=MI0019131
NovelMiR_KnownLoci_ID0004096	13_+_115010015_115010039	GTAAAACTGCAGTTATTTTTGCAC C	31264	hsa-miR-548ar-3p;Derives_from=MI0019131
NovelMiR_KnownLoci_ID0004097	13_+_115010016_115010035	TAAAACTGCAGTTATTTTTG	31265	hsa-miR-548ar-3p;Derives_from=MI0019131
NovelMiR_KnownLoci_ID0004098	13_+_115010016_115010037	TAAAACTGCAGTTATTTTTGCA	31266	hsa-miR-548ar-3p;Derives_from=MI0019131
NovelMiR_KnownLoci_ID0004099	13_+_115010016_115010038	TAAAACTGCAGTTATTTTTGCAC	31267	hsa-miR-548ar-3p;Derives_from=MI0019131
NovelMiR_KnownLoci_ID0004100	13_+_115039359_115039381	GGCTGATGATGATGGTGCTGAAG	31268	hsa-miR-4502;Derives_from=MI0016865
NovelMiR_KnownLoci_ID0004101	13_+_115039359_115039382	GGCTGATGATGATGGTGCTGAAGG	31269	hsa-miR-4502;Derives_from=MI0016865
NovelMiR_KnownLoci_ID0004102	13_+_115039359_115039384	GGCTGATGATGATGGTGCTGAAGG CT	31270	hsa-miR-4502;Derives_from=MI0016865
NovelMiR_KnownLoci_ID0004103	13_+_115039359_115039385	GGCTGATGATGATGGTGCTGAAGG CTG	31271	hsa-miR-4502;Derives_from=MI0016865
NovelMiR_KnownLoci_ID0004104	1_-_31211999_31212026	GTCACTGATGTCTGTAGCTGAGAC GGTC	31272	hsa-miR-4420;Derives_from=MI0016757
NovelMiR_KnownLoci_ID0004105	1_-_31212001_31212026	GTCACTGATGTCTGTAGCTGAGAC GG	31273	hsa-miR-4420;Derives_from=MI0016757
NovelMiR_KnownLoci_ID0004106	1_-_31212001_31212027	AGTCACTGATGTCTGTAGCTGAGA CGG	31274	hsa-miR-4420;Derives_from=MI0016757

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004107	1_-_31212002_31212026	GTCACTGATGTCTGTAGCTGAGACG	31275	hsa-miR-4420;Derives_from=MI0016757
NovelMiR_KnownLoci_ID0004108	1_-_31212002_31212027	AGTCACTGATGTCTGTAGCTGAGACG	31276	hsa-miR-4420;Derives_from=MI0016757
NovelMiR_KnownLoci_ID0004109	1_-_32224271_32224292	CCTGGAGCTACTCCACCATCTC	31277	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004110	1_-_32224272_32224292	CCTGGAGCTACTCCACCATCT	31278	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004111	1_-_32224272_32224293	GCCTGGAGCTACTCCACCATCT	31279	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004112	1_-_32224272_32224294	TGCCTGGAGCTACTCCACCATCT	31280	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004113	1_-_32224273_32224293	GCCTGGAGCTACTCCACCATC	31281	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004114	1_-_32224274_32224292	CCTGGAGCTACTCCACCAT	31282	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004115	1_-_32224274_32224293	GCCTGGAGCTACTCCACCAT	31283	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004116	1_-_32224276_32224293	GCCTGGAGCTACTCCACC	31284	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004117	1_-_32224277_32224293	GCCTGGAGCTACTCCAC	31285	hsa-miR-4254;Derives_from=MI0015862
NovelMiR_KnownLoci_ID0004118	13_+_24736568_24736589	CCGCCCTCTGTCACCTTGCAGA	31286	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004119	13_+_24736568_24736590	CCGCCCTCTGTCACCTTGCAGAC	31287	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004120	13_+_24736568_24736591	CCGCCCTCTGTCACCTTGCAGACG	31288	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004121	13_+_24736569_24736591	CGCCCTCTGTCACCTTGCAGACG	31289	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004122	13_+_24736570_24736585	GCCCTCTGTCACCTTG	31290	hsa-miR-2276-5p;Derives_from=MI0011282

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004123	13_+_24736570_24736588	GCCCTCTGTCACCTTGCAG	31291	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004124	13_+_24736570_24736589	GCCCTCTGTCACCTTGCAGA	31292	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004125	13_+_24736570_24736590	GCCCTCTGTCACCTTGCAGAC	31293	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004126	13_+_24736570_24736592	GCCCTCTGTCACCTTGCAGACGG	31294	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004127	13_+_24736570_24736593	GCCCTCTGTCACCTTGCAGACGGC	31295	hsa-miR-2276-5p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004128	13_+_24736602_24736621	CGAATGTCTGCAAGTGTCAG	31296	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004129	13_+_24736608_24736625	TCTGCAAGTGTCAGAGGC	31297	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004130	13_+_24736608_24736627	TCTGCAAGTGTCAGAGGCGA	31298	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004131	13_+_24736608_24736628	TCTGCAAGTGTCAGAGGCGAG	31299	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004132	13_+_24736608_24736630	TCTGCAAGTGTCAGAGGCGAGGA	31300	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004133	13_+_24736608_24736631	TCTGCAAGTGTCAGAGGCGAGGAG	31301	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004134	13_+_24736608_24736632	TCTGCAAGTGTCAGAGGCGAGGAGT	31302	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004135	13_+_24736609_24736630	CTGCAAGTGTCAGAGGCGAGGA	31303	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004136	13_+_24736610_24736630	TGCAAGTGTCAGAGGCGAGGA	31304	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004137	13_+_24736610_24736632	TGCAAGTGTCAGAGGCGAGGAGT	31305	hsa-miR-2276-3p;Derives_from=MI0011282
NovelMiR_KnownLoci_ID0004138	13_+_24736617_24736635	GTCAGAGGCGAGGAGTGGC	31306	hsa-miR-2276-3p;Derives_from=MI0011282

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004139	1_+_32552549_32552570	CTGAAGTACCAGCTACTCGAGA	31307	hsa-miR-5585-5p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004140	1_+_32552549_32552571	CTGAAGTACCAGCTACTCGAGAG	31308	hsa-miR-5585-5p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004141	1_+_32552550_32552567	TGAAGTACCAGCTACTCG	31309	hsa-miR-5585-5p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004142	1_+_32552550_32552570	TGAAGTACCAGCTACTCGAGA	31310	hsa-miR-5585-5p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004143	1_+_32552557_32552577	CCAGCTACTCGAGAGGTCAGA	31311	hsa-miR-5585-5p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004144	1_+_32552581_32552600	TTGCTCCTGAATAGCTGGGA	31312	hsa-miR-5585-3p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004145	1_+_32552581_32552602	TTGCTCCTGAATAGCTGGGACT	31313	hsa-miR-5585-3p;Derives_from=MI0019142
NovelMiR_KnownLoci_ID0004146	1_-_33798004_33798026	TCCGTGTTACCTGTCCTCTAGGT	31314	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004147	1_-_33798004_33798027	CTCCGTGTTACCTGTCCTCTAGGT	31315	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004148	1_-_33798004_33798028	CCTCCGTGTTACCTGTCCTCTAGGT	31316	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004149	1_-_33798005_33798026	TCCGTGTTACCTGTCCTCTAGG	31317	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004150	1_-_33798005_33798027	CTCCGTGTTACCTGTCCTCTAGG	31318	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004151	1_-_33798005_33798028	CCTCCGTGTTACCTGTCCTCTAGG	31319	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004152	1_-_33798006_33798026	TCCGTGTTACCTGTCCTCTAG	31320	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004153	1_-_33798006_33798027	CTCCGTGTTACCTGTCCTCTAG	31321	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004154	1_-_33798007_33798028	CCTCCGTGTTACCTGTCCTCTA	31322	hsa-miR-3605-3p;Derives_from=MI0015995

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004155	1_-_33798008_33798028	CCTCCGTGTTACCTGTCCTCT	31323	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004156	1_-_33798009_33798028	CCTCCGTGTTACCTGTCCTC	31324	hsa-miR-3605-3p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004157	1_-_33798045_33798072	TGAGGATGGATAGCAAGGAAGCCGCTCC	31325	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004158	1_-_33798046_33798070	AGGATGGATAGCAAGGAAGCCGCTC	31326	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004159	1_-_33798046_33798072	TGAGGATGGATAGCAAGGAAGCCGCTC	31327	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004160	1_-_33798047_33798070	AGGATGGATAGCAAGGAAGCCGCT	31328	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004161	1_-_33798048_33798074	GATGAGGATGGATAGCAAGGAAGCCGC	31329	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004162	1_-_33798049_33798072	TGAGGATGGATAGCAAGGAAGCCG	31330	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004163	1_-_33798050_33798073	ATGAGGATGGATAGCAAGGAAGCC	31331	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004164	1_-_33798050_33798074	GATGAGGATGGATAGCAAGGAAGCC	31332	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004165	1_-_33798051_33798072	TGAGGATGGATAGCAAGGAAGC	31333	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004166	1_-_33798051_33798073	ATGAGGATGGATAGCAAGGAAGC	31334	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004167	1_-_33798051_33798074	GATGAGGATGGATAGCAAGGAAGC	31335	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004168	1_-_33798052_33798072	TGAGGATGGATAGCAAGGAAG	31336	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004169	1_-_33798052_33798074	GATGAGGATGGATAGCAAGGAAG	31337	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004170	1_-_33798053_33798074	GATGAGGATGGATAGCAAGGAA	31338	hsa-miR-3605-5p;Derives_from=MI0015995

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004171	1_-_33798054_33798073	ATGAGGATGGATAGCAAGGA	31339	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004172	1_-_33798054_33798074	GATGAGGATGGATAGCAAGGA	31340	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004173	1_-_33798055_33798073	ATGAGGATGGATAGCAAGG	31341	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004174	1_-_33798055_33798074	GATGAGGATGGATAGCAAGG	31342	hsa-miR-3605-5p;Derives_from=MI0015995
NovelMiR_KnownLoci_ID0004175	13_-_40238240_40238266	TAGACCTAGACACCTCCAGTTCTGGGT	31343	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004176	13_-_40238241_40238266	TAGACCTAGACACCTCCAGTTCTGGG	31344	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004177	13_-_40238243_40238264	GACCTAGACACCTCCAGTTCTG	31345	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004178	13_-_40238244_40238266	TAGACCTAGACACCTCCAGTTCT	31346	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004179	13_-_40238245_40238263	ACCTAGACACCTCCAGTTC	31347	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004180	13_-_40238245_40238266	TAGACCTAGACACCTCCAGTTC	31348	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004181	13_-_40238246_40238266	TAGACCTAGACACCTCCAGTT	31349	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004182	13_-_40238247_40238266	TAGACCTAGACACCTCCAGT	31350	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004183	13_-_40238248_40238263	ACCTAGACACCTCCAG	31351	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004184	13_-_40238248_40238266	TAGACCTAGACACCTCCAG	31352	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004185	13_-_40238249_40238266	TAGACCTAGACACCTCCA	31353	hsa-miR-4305;Derives_from=MI0015835
NovelMiR_KnownLoci_ID0004186	13_-_41301958_41301980	AAGCTGGGTTGAGAGGATGAAAA	31354	hsa-miR-320d;Derives_from=MI0008190

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004187	13_-_41301958_41301981	AAAGCTGGGTTGAGAGGATGAAAA	31355	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004188	13_-_41301958_41301982	AAAAGCTGGGTTGAGAGGATGAAAA	31356	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004189	13_-_41301958_41301983	GAAAAGCTGGGTTGAGAGGATGAAAA	31357	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004190	13_-_41301961_41301982	AAAAGCTGGGTTGAGAGGATGA	31358	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004191	13_-_41301961_41301984	AGAAAAGCTGGGTTGAGAGGATGA	31359	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004192	13_-_41301962_41301982	AAAAGCTGGGTTGAGAGGATG	31360	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004193	13_-_41301962_41301984	AGAAAAGCTGGGTTGAGAGGATG	31361	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004194	13_-_41301962_41301988	GTTGAGAAAAGCTGGGTTGAGAGGATG	31362	hsa-miR-320d;Derives_from=MI0008190
NovelMiR_KnownLoci_ID0004195	13_+_41384957_41384977	CATGTGGCTAGCAACAGCGCT	31363	hsa-miR-621;Derives_from=MI0003635
NovelMiR_KnownLoci_ID0004196	13_+_41384964_41384984	CTAGCAACAGCGCTTACCTTT	31364	hsa-miR-621;Derives_from=MI0003635
NovelMiR_KnownLoci_ID0004197	13_-_41675206_41675223	CTACAGTCAGACAGCCTG	31365	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004198	13_-_41675209_41675227	AGTTCTACAGTCAGACAGC	31366	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004199	13_-_41675209_41675228	GAGTTCTACAGTCAGACAGC	31367	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004200	13_-_41675210_41675228	GAGTTCTACAGTCAGACAG	31368	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004201	13_-_41675211_41675228	GAGTTCTACAGTCAGACA	31369	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004202	13_-_41675211_41675229	TGAGTTCTACAGTCAGACA	31370	hsa-miR-3168;Derives_from=MI0014199

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004203	13_-_41675211_41675230	ATGAGTTCTACAGTCAGACA	31371	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004204	13_-_41675212_41675229	TGAGTTCTACAGTCAGAC	31372	hsa-miR-3168;Derives_from=MI0014199
NovelMiR_KnownLoci_ID0004205	13_-_42142439_42142462	TTTCCCTTTCCATCCTGGCAGGCT	31373	hsa-miR-5006-3p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004206	13_-_42142440_42142462	TTTCCCTTTCCATCCTGGCAGGC	31374	hsa-miR-5006-3p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004207	13_-_42142441_42142461	TTCCCTTTCCATCCTGGCAGG	31375	hsa-miR-5006-3p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004208	13_-_42142441_42142462	TTTCCCTTTCCATCCTGGCAGG	31376	hsa-miR-5006-3p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004209	13_-_42142441_42142463	CTTTCCCTTTCCATCCTGGCAGG	31377	hsa-miR-5006-3p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004210	13_-_42142443_42142462	TTTCCCTTTCCATCCTGGCA	31378	hsa-miR-5006-3p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004211	13_-_42142485_42142511	TTGCCAGGGCAGGAGGTGGAAGGGAGC	31379	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004212	13_-_42142485_42142512	TTTGCCAGGGCAGGAGGTGGAAGGGAGC	31380	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004213	13_-_42142486_42142511	TTGCCAGGGCAGGAGGTGGAAGGGAG	31381	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004214	13_-_42142486_42142512	TTTGCCAGGGCAGGAGGTGGAAGGGAG	31382	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004215	13_-_42142488_42142511	TTGCCAGGGCAGGAGGTGGAAGGG	31383	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004216	13_-_42142488_42142512	TTTGCCAGGGCAGGAGGTGGAAGGG	31384	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004217	13_-_42142489_42142511	TTGCCAGGGCAGGAGGTGGAAGG	31385	hsa-miR-5006-5p;Derives_from=MI0017873
NovelMiR_KnownLoci_ID0004218	13_-_42142490_42142511	TTGCCAGGGCAGGAGGTGGAAG	31386	hsa-miR-5006-5p;Derives_from=MI0017873

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004219	13_-_44770313_44770332	TGGGTTCAGTGATCGTCTCT	31387	hsa-miR-8079;Derives_from=MI0025915
NovelMiR_KnownLoci_ID0004220	1_-_3477271_3477293	CGACCCACTCTTGGTTTCCAGGG	31388	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004221	1_-_3477272_3477293	CGACCCACTCTTGGTTTCCAGG	31389	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004222	1_-_3477272_3477294	GCGACCCACTCTTGGTTTCCAGG	31390	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004223	1_-_3477273_3477293	CGACCCACTCTTGGTTTCCAG	31391	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004224	1_-_3477273_3477294	GCGACCCACTCTTGGTTTCCAG	31392	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004225	1_-_3477275_3477294	GCGACCCACTCTTGGTTTCC	31393	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004226	1_-_3477275_3477296	AGGCGACCCACTCTTGGTTTCC	31394	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004227	1_-_3477276_3477294	GCGACCCACTCTTGGTTTC	31395	hsa-miR-551a;Derives_from=MI0003556
NovelMiR_KnownLoci_ID0004228	13_-_50570559_50570585	ACAAAAAAAAAAGCCCAACCCTTCACA	31396	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004229	13_-_50570561_50570585	ACAAAAAAAAAAGCCCAACCCTTCA	31397	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004230	13_-_50570562_50570586	AACAAAAAAAAAAGCCCAACCCTTC	31398	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004231	13_-_50570563_50570580	AAAAAAAGCCCAACCCTT	31399	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004232	13_-_50570563_50570583	AAAAAAAAAAGCCCAACCCTT	31400	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004233	13_-_50570563_50570585	ACAAAAAAAAAAGCCCAACCCTT	31401	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004234	13_-_50570564_50570585	ACAAAAAAAAAAGCCCAACCCT	31402	hsa-miR-3613-3p;Derives_from=MI0016003

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004235	13_-_50570565_50570585	ACAAAAAAAAAAGCCCAACCC	31403	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004236	13_-_50570566_50570585	ACAAAAAAAAAAGCCCAACC	31404	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004237	13_-_50570575_50570591	TTAGGAACAAAAAAAAA	31405	hsa-miR-3613-3p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004238	13_-_50570598_50570622	TGTTGTACTTTTTTTTTTGTTCGTT	31406	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004239	13_-_50570599_50570622	TGTTGTACTTTTTTTTTTGTTCGT	31407	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004240	13_-_50570600_50570622	TGTTGTACTTTTTTTTTTGTTCG	31408	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004241	13_-_50570601_50570621	GTTGTACTTTTTTTTTTGTTC	31409	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004242	13_-_50570602_50570621	GTTGTACTTTTTTTTTTGTT	31410	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004243	13_-_50570602_50570622	TGTTGTACTTTTTTTTTTGTT	31411	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004244	13_-_50570603_50570622	TGTTGTACTTTTTTTTTTGT	31412	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004245	13_-_50570604_50570627	TGGATTGTTGTACTTTTTTTTTTG	31413	hsa-miR-3613-5p;Derives_from=MI0016003
NovelMiR_KnownLoci_ID0004246	13_-_50623115_50623142	CCAGTATTAACTGTGCTGCTGAAGTAAG	31414	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004247	13_-_50623118_50623142	CCAGTATTAACTGTGCTGCTGAAGT	31415	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004248	13_-_50623119_50623142	CCAGTATTAACTGTGCTGCTGAAG	31416	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004249	13_-_50623120_50623140	AGTATTAACTGTGCTGCTGAA	31417	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004250	13_-_50623120_50623142	CCAGTATTAACTGTGCTGCTGAA	31418	hsa-miR-16-1-3p;Derives_from=MI0000070

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004251	13_-_50623121_50623141	CAGTATTAACTGTGCTGCTGA	31419	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004252	13_-_50623122_50623142	CCAGTATTAACTGTGCTGCTG	31420	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004253	13_-_50623122_50623144	CTCCAGTATTAACTGTGCTGCTG	31421	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004254	13_-_50623122_50623146	ATCTCCAGTATTAACTGTGCTGCTG	31422	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004255	13_-_50623123_50623142	CCAGTATTAACTGTGCTGCT	31423	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004256	13_-_50623123_50623144	CTCCAGTATTAACTGTGCTGCT	31424	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004257	13_-_50623123_50623145	TCTCCAGTATTAACTGTGCTGCT	31425	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004258	13_-_50623124_50623142	CCAGTATTAACTGTGCTGC	31426	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004259	13_-_50623124_50623144	CTCCAGTATTAACTGTGCTGC	31427	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004260	13_-_50623124_50623145	TCTCCAGTATTAACTGTGCTGC	31428	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004261	13_-_50623125_50623142	CCAGTATTAACTGTGCTG	31429	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004262	13_-_50623126_50623142	CCAGTATTAACTGTGCT	31430	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004263	13_-_50623126_50623144	CTCCAGTATTAACTGTGCT	31431	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004264	13_-_50623126_50623146	ATCTCCAGTATTAACTGTGCT	31432	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004265	13_-_50623127_50623146	ATCTCCAGTATTAACTGTGC	31433	hsa-miR-16-1-3p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004266	13_-_50623157_50623181	CAGCACGTAAATATTGGCGTTAAGA	31434	hsa-miR-16-5p;Derives_from=MI0000070

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004267	13_-_50623157_50623184	TAGCAGCACGTAAATATTGGCGTTAAGA	31435	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004268	13_-_50623158_50623181	CAGCACGTAAATATTGGCGTTAAG	31436	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004269	13_-_50623158_50623184	TAGCAGCACGTAAATATTGGCGTTAAG	31437	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004270	13_-_50623159_50623181	CAGCACGTAAATATTGGCGTTAA	31438	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004271	13_-_50623159_50623184	TAGCAGCACGTAAATATTGGCGTTAA	31439	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004272	13_-_50623160_50623181	CAGCACGTAAATATTGGCGTTA	31440	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004273	13_-_50623160_50623184	TAGCAGCACGTAAATATTGGCGTTA	31441	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004274	13_-_50623161_50623179	GCACGTAAATATTGGCGTT	31442	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004275	13_-_50623161_50623181	CAGCACGTAAATATTGGCGTT	31443	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004276	13_-_50623161_50623183	AGCAGCACGTAAATATTGGCGTT	31444	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004277	13_-_50623161_50623184	TAGCAGCACGTAAATATTGGCGTT	31445	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004278	13_-_50623163_50623185	TTAGCAGCACGTAAATATTGGCG	31446	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004279	13_-_50623164_50623181	CAGCACGTAAATATTGGC	31447	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004280	13_-_50623165_50623181	CAGCACGTAAATATTGG	31448	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004281	13_-_50623165_50623184	TAGCAGCACGTAAATATTGG	31449	hsa-miR-16-5p;Derives_from=MI0000070
NovelMiR_KnownLoci_ID0004282	13_-_50623264_50623287	CAGGCCATATTGTGCTGCCTCAAA	31450	hsa-miR-15a-3p;Derives_from=MI0000069

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004283	13_-_50623265_50623287	CAGGCCATATTGTGCTGCCTCAA	31451	hsa-miR-15a-3p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004284	13_-_50623266_50623286	AGGCCATATTGTGCTGCCTCA	31452	hsa-miR-15a-3p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004285	13_-_50623267_50623287	CAGGCCATATTGTGCTGCCTC	31453	hsa-miR-15a-3p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004286	13_-_50623268_50623287	CAGGCCATATTGTGCTGCCT	31454	hsa-miR-15a-3p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004287	13_-_50623269_50623287	CAGGCCATATTGTGCTGCC	31455	hsa-miR-15a-3p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004288	13_-_50623271_50623287	CAGGCCATATTGTGCTG	31456	hsa-miR-15a-3p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004289	13_-_50623299_50623321	CAGCACATAATGGTTTGTGGATT	31457	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004290	13_-_50623300_50623321	CAGCACATAATGGTTTGTGGAT	31458	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004291	13_-_50623301_50623321	CAGCACATAATGGTTTGTGGA	31459	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004292	13_-_50623301_50623324	TAGCAGCACATAATGGTTTGTGGA	31460	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004293	13_-_50623302_50623321	CAGCACATAATGGTTTGTGG	31461	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004294	13_-_50623302_50623324	TAGCAGCACATAATGGTTTGTGG	31462	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004295	13_-_50623303_50623321	CAGCACATAATGGTTTGTG	31463	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004296	13_-_50623304_50623321	CAGCACATAATGGTTTGT	31464	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004297	13_-_50623304_50623323	AGCAGCACATAATGGTTTGT	31465	hsa-miR-15a-5p;Derives_from=MI0000069
NovelMiR_KnownLoci_ID0004298	13_-_50623304_50623324	TAGCAGCACATAATGGTTTGT	31466	hsa-miR-15a-5p;Derives_from=MI0000069

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004299	1_-_35135213_35135235	AACAGGTGACTGCTTAGACAAAC	31467	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004300	1_-_35135214_35135235	AACAGGTGACTGGTTAGACAAA	31468	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004301	1_-_35135215_35135236	CAACAGGTGACTGGTTAGACAA	31469	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004302	1_-_35135216_35135235	AACAGGTGACTGGTTAGACA	31470	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004303	1_-_35135216_35135236	CAACAGGTGACTGGTTAGACA	31471	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004304	1_-_35135217_35135235	AACAGGTGACTGGTTAGAC	31472	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004305	1_-_35135218_35135235	AACAGGTGACTGGTTAGA	31473	hsa-miR-552-3p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004306	1_-_35135249_35135272	TGTTTAACCTTTTGCCTGTTGGTT	31474	hsa-miR-552-5p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004307	1_-_35135250_35135272	TGTTTAACCTTTTGCCTGTTGGT	31475	hsa-miR-552-5p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004308	1_-_35135251_35135272	TGTTTAACCTTTTGCCTGTTGG	31476	hsa-miR-552-5p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004309	1_-_35135251_35135273	TTGTTTAACCTTTTGCCTGTTGG	31477	hsa-miR-552-5p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004310	1_-_35135251_35135275	GTTTGTTTAACCTTTTGCCTGTTGG	31478	hsa-miR-552-5p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004311	1_-_35135252_35135272	TGTTTAACCTTTTGCCTGTTG	31479	hsa-miR-552-5p;Derives_from=MI0003557
NovelMiR_KnownLoci_ID0004312	13_-_51922707_51922732	CAGTGGCTCTGAAATGAACTCAAACT	31480	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004313	13_-_51922708_51922733	GCAGTGGCTCTGAAATGAACTCAAAC	31481	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004314	13_-_51922710_51922731	AGTGGCTCTGAAATGAACTCAA	31482	hsa-miR-5693;Derives_from=MI0019300

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004315	13_-_51922711_51922731	AGTGGCTCTGAAATGAACTCA	31483	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004316	13_-_51922711_51922732	CAGTGGCTCTGAAATGAACTCA	31484	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004317	13_-_51922711_51922733	GCAGTGGCTCTGAAATGAACTCA	31485	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004318	13_-_51922713_51922731	AGTGGCTCTGAAATGAACT	31486	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004319	13_-_51922713_51922733	GCAGTGGCTCTGAAATGAACT	31487	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004320	13_-_51922714_51922731	AGTGGCTCTGAAATGAAC	31488	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004321	13_-_51922714_51922733	GCAGTGGCTCTGAAATGAAC	31489	hsa-miR-5693;Derives_from=MI0019300
NovelMiR_KnownLoci_ID0004322	13_+_52126735_52126754	TAGCAATACAGTACAAATAT	31490	hsa-miR-4703-5p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004323	13_+_52126735_52126756	TAGCAATACAGTACAAATATAG	31491	hsa-miR-4703-5p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004324	13_+_52126767_52126786	TTGCACTGTAGTTGTATTGT	31492	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004325	13_+_52126768_52126789	TGCACTGTAGTTGTATTGTATT	31493	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004326	13_+_52126773_52126791	TGTAGTTGTATTGTATTGC	31494	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004327	13_+_52126773_52126792	TGTAGTTGTATTGTATTGCC	31495	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004328	13_+_52126773_52126795	TGTAGTTGTATTGTATTGCCACT	31496	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004329	13_+_52126773_52126796	TGTAGTTGTATTGTATTGCCACTC	31497	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004330	13_+_52126774_52126794	GTAGTTGTATTGTATTGCCAC	31498	hsa-miR-4703-3p;Derives_from=MI0017336

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004331	13_+_52126774_52126795	GTAGTTGTATTGTATTGCCACT	31499	hsa-miR-4703-3p;Derives_from=MI0017336
NovelMiR_KnownLoci_ID0004332	13_-_54886110_54886132	TTCAAGTAATTCAGGTGTAGTGA	31500	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004333	13_-_54886111_54886132	TTCAAGTAATTCAGGTGTAGTG	31501	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004334	13_-_54886112_54886132	TTCAAGTAATTCAGGTGTAGT	31502	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004335	13_-_54886113_54886132	TTCAAGTAATTCAGGTGTAG	31503	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004336	13_-_54886114_54886132	TTCAAGTAATTCAGGTGTA	31504	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004337	13_-_54886115_54886132	TTCAAGTAATTCAGGTGT	31505	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004338	13_-_54886117_54886132	TTCAAGTAATTCAGGT	31506	hsa-miR-1297;Derives_from=MI0006358
NovelMiR_KnownLoci_ID0004339	13_+_55748638_55748655	AGCTAAATCATATGAACC	31507	hsa-miR-5007-3p;Derives_from=MI0017874
NovelMiR_KnownLoci_ID0004340	13_+_55748647_55748669	ATATGAACCAAACTCTAATTAGT	31508	hsa-miR-5007-3p;Derives_from=MI0017874
NovelMiR_KnownLoci_ID0004341	13_+_55748650_55748671	TGAACCAAACTCTAATTAGTCA	31509	hsa-miR-5007-3p;Derives_from=MI0017874
NovelMiR_KnownLoci_ID0004342	13_-_61773976_61773994	GCTTGGCACATAGCACAAA	31510	hsa-miR-3169;Derives_from=MI0014200
NovelMiR_KnownLoci_ID0004343	13_-_61773982_61774001	GGACTGTGCTTGGCACATAG	31511	hsa-miR-3169;Derives_from=MI0014200
NovelMiR_KnownLoci_ID0004344	13_-_61773982_61774002	AGGACTGTGCTTGGCACATAG	31512	hsa-miR-3169;Derives_from=MI0014200
NovelMiR_KnownLoci_ID0004345	13_+_66792391_66792410	GACACTAGGCATGTGAGTGA	31513	hsa-miR-4704-5p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004346	13_+_66792391_66792411	GACACTAGGCATGTGAGTGAT	31514	hsa-miR-4704-5p;Derives_from=MI0017337

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004347	13_+_66792391_66792413	GACACTAGGCATGTGAGTGATTG	31515	hsa-miR-4704-5p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004348	13_+_66792392_66792413	ACACTAGGCATGTGAGTGATTG	31516	hsa-miR-4704-5p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004349	13_+_66792422_66792438	ACTCAATCAGTCACATA	31517	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004350	13_+_66792427_66792448	ATCAGTCACATATCTAGTGTCT	31518	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004351	13_+_66792428_66792447	TCAGTCACATATCTAGTGTC	31519	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004352	13_+_66792429_66792451	CAGTCACATATCTAGTGTCTAGA	31520	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004353	13_+_66792435_66792453	CATATCTAGTGTCTAGAAT	31521	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004354	13_+_66792435_66792454	CATATCTAGTGTCTAGAATG	31522	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004355	13_+_66792435_66792455	CATATCTAGTGTCTAGAATGA	31523	hsa-miR-4704-3p;Derives_from=MI0017337
NovelMiR_KnownLoci_ID0004356	1_+_37627172_37627190	TTCAGTGTTCAGAGATGGA	31524	hsa-miR-4255;Derives_from=MI0015863
NovelMiR_KnownLoci_ID0004357	1_+_37627172_37627191	TTCAGTGTTCAGAGATGGAG	31525	hsa-miR-4255;Derives_from=MI0015863
NovelMiR_KnownLoci_ID0004358	1_+_37627172_37627192	TTCAGTGTTCAGAGATGGAGT	31526	hsa-miR-4255;Derives_from=MI0015863
NovelMiR_KnownLoci_ID0004359	1_+_37627172_37627193	TTCAGTGTTCAGAGATGGAGTC	31527	hsa-miR-4255;Derives_from=MI0015863
NovelMiR_KnownLoci_ID0004360	1_+_37627172_37627194	TTCAGTGTTCAGAGATGGAGTCA	31528	hsa-miR-4255;Derives_from=MI0015863
NovelMiR_KnownLoci_ID0004361	13_-_78272211_78272233	AGCAGCAGCAGGTGCGGGGCGGC	31529	hsa-miR-3665;Derives_from=MI0016066
NovelMiR_KnownLoci_ID0004362	13_-_78272213_78272233	AGCAGCAGCAGGTGCGGGGCG	31530	hsa-miR-3665;Derives_from=MI0016066

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004363	1_+_37945834_37945857	CCTAGGGGGTGGCAGGCTGGCCAT	31531	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004364	1_+_37945835_37945853	CTAGGGGGTGGCAGGCTGG	31532	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004365	1_+_37945835_37945855	CTAGGGGGTGGCAGGCTGGCC	31533	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004366	1_+_37945835_37945856	CTAGGGGGTGGCAGGCTGGCCA	31534	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004367	1_+_37945835_37945857	CTAGGGGGTGGCAGGCTGGCCAT	31535	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004368	1_+_37945835_37945858	CTAGGGGGTGGCAGGCTGGCCATC	31536	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004369	1_+_37945836_37945854	TAGGGGGTGGCAGGCTGGC	31537	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004370	1_+_37945837_37945857	AGGGGGTGGCAGGCTGGCCAT	31538	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004371	1_+_37945839_37945858	GGGGTGGCAGGCTGGCCATC	31539	hsa-miR-6732-5p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004372	1_+_37945862_37945888	GTGGGCTAACCCTGTCCTCTCCCT CCC	31540	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004373	1_+_37945867_37945885	CTAACCCTGTCCTCTCCCT	31541	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004374	1_+_37945867_37945887	CTAACCCTGTCCTCTCCCTCC	31542	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004375	1_+_37945867_37945888	CTAACCCTGTCCTCTCCCTCCC	31543	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004376	1_+_37945867_37945890	CTAACCCTGTCCTCTCCCTCCCAG	31544	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004377	1_+_37945867_37945891	CTAACCCTGTCCTCTCCCTCCCAG C	31545	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004378	1_+_37945868_37945888	TAACCCTGTCCTCTCCCTCCC	31546	hsa-miR-6732-3p;Derives_from=MI0022577

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004379	1_+_37945868_37945889	TAACCCTGTCCTCTCCCTCCCA	31547	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004380	1_+_37945868_37945891	TAACCCTGTCCTCTCCCTCCCAGC	31548	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004381	1_+_37945868_37945892	TAACCCTGTCCTCTCCCTCCCAGC C	31549	hsa-miR-6732-3p;Derives_from=MI0022577
NovelMiR_KnownLoci_ID0004382	1_-_37966534_37966557	TTCCATGCCTCCTAGAAGTTCCGA	31550	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004383	1_-_37966535_37966557	TTCCATGCCTCCTAGAAGTTCCG	31551	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004384	1_-_37966536_37966558	TTTCCATGCCTCCTAGAAGTTCC	31552	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004385	1_-_37966537_37966557	TTCCATGCCTCCTAGAAGTTC	31553	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004386	1_-_37966537_37966558	TTTCCATGCCTCCTAGAAGTTC	31554	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004387	1_-_37966538_37966557	TTCCATGCCTCCTAGAAGTT	31555	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004388	1_-_37966538_37966558	TTTCCATGCCTCCTAGAAGTT	31556	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004389	1_-_37966539_37966557	TTCCATGCCTCCTAGAAGT	31557	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004390	1_-_37966539_37966558	TTTCCATGCCTCCTAGAAGT	31558	hsa-miR-5581-3p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004391	1_-_37966570_37966594	GCCTTCCAGGAGAAATGGAGACCC T	31559	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004392	1_-_37966571_37966594	GCCTTCCAGGAGAAATGGAGACCC	31560	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004393	1_-_37966571_37966595	AGCCTTCCAGGAGAAATGGAGACC C	31561	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004394	1_-_37966572_37966594	GCCTTCCAGGAGAAATGGAGACC	31562	hsa-miR-5581-5p;Derives_from=MI0019136

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004395	1_-_37966572_37966595	AGCCTTCCAGGAGAAATGGAGACC	31563	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004396	1_-_37966573_37966594	GCCTTCCAGGAGAAATGGAGAC	31564	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004397	1_-_37966573_37966595	AGCCTTCCAGGAGAAATGGAGAC	31565	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004398	1_-_37966574_37966594	GCCTTCCAGGAGAAATGGAGA	31566	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004399	1_-_37966574_37966596	AAGCCTTCCAGGAGAAATGGAGA	31567	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004400	1_-_37966575_37966594	GCCTTCCAGGAGAAATGGAG	31568	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004401	1_-_37966575_37966595	AGCCTTCCAGGAGAAATGGAG	31569	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004402	1_-_37966576_37966595	AGCCTTCCAGGAGAAATGGA	31570	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004403	1_-_37966578_37966595	AGCCTTCCAGGAGAAATG	31571	hsa-miR-5581-5p;Derives_from=MI0019136
NovelMiR_KnownLoci_ID0004404	1_+_38554959_38554983	CATGAGTGTTGTCTACGAGGGCATC	31572	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004405	1_+_38554961_38554978	TGAGTGTTGTCTACGAGG	31573	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004406	1_+_38554961_38554979	TGAGTGTTGTCTACGAGGG	31574	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004407	1_+_38554961_38554980	TGAGTGTTGTCTACGAGGGC	31575	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004408	1_+_38554961_38554982	TGAGTGTTGTCTACGAGGGCAT	31576	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004409	1_+_38554961_38554983	TGAGTGTTGTCTACGAGGGCATC	31577	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004410	1_+_38554961_38554984	TGAGTGTTGTCTACGAGGGCATCC	31578	hsa-miR-3659;Derives_from=MI0016060

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004411	1_+_38554961_38554985	TGAGTGTTGTCTACGAGGGCATCCT	31579	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004412	1_+_38554962_38554982	GAGTGTTGTCTACGAGGGCAT	31580	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004413	1_+_38554971_38554987	CTACGAGGGCATCCTTG	31581	hsa-miR-3659;Derives_from=MI0016060
NovelMiR_KnownLoci_ID0004414	13_-_88270920_88270942	TGAGGTAGTAGTTTCTTGAACTT	31582	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004415	13_-_88270921_88270941	GAGGTAGTAGTTTCTTGAACT	31583	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004416	13_-_88270921_88270942	TGAGGTAGTAGTTTCTTGAACT	31584	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004417	13_-_88270922_88270942	TGAGGTAGTAGTTTCTTGAAC	31585	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004418	13_-_88270923_88270942	TGAGGTAGTAGTTTCTTGAA	31586	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004419	13_-_88270924_88270942	TGAGGTAGTAGTTTCTTGA	31587	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004420	13_-_88270925_88270941	GAGGTAGTAGTTTCTTG	31588	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004421	13_-_88270925_88270942	TGAGGTAGTAGTTTCTTG	31589	hsa-miR-4500;Derives_from=MI0016863
NovelMiR_KnownLoci_ID0004422	13_+_92002872_92002891	CAAAGTGCTTACAGTGCAGG	31590	hsa-miR-17-5p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004423	13_+_92002872_92002892	CAAAGTGCTTACAGTGCAGGT	31591	hsa-miR-17-5p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004424	13_+_92002872_92002893	CAAAGTGCTTACAGTGCAGGTA	31592	hsa-miR-17-5p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004425	13_+_92002872_92002895	CAAAGTGCTTACAGTGCAGGTAGT	31593	hsa-miR-17-5p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004426	13_+_92002872_92002896	CAAAGTGCTTACAGTGCAGGTAGTG	31594	hsa-miR-17-5p;Derives_from=MI0000071

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004427	13_+_92002872_92002899	CAAAGTGCTTACAGTGCAGGTAGTGATA	31595	hsa-miR-17-5p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004428	13_+_92002909_92002926	ACTGCAGTGAAGGCACTT	31596	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004429	13_+_92002909_92002927	ACTGCAGTGAAGGCACTTG	31597	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004430	13_+_92002909_92002928	ACTGCAGTGAAGGCACTTGT	31598	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004431	13_+_92002909_92002929	ACTGCAGTGAAGGCACTTGTA	31599	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004432	13_+_92002909_92002931	ACTGCAGTGAAGGCACTTGTAGC	31600	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004433	13_+_92002909_92002932	ACTGCAGTGAAGGCACTTGTAGCA	31601	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004434	13_+_92002909_92002934	ACTGCAGTGAAGGCACTTGTAGCATT	31602	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004435	13_+_92002910_92002930	CTGCAGTGAAGGCACTTGTAG	31603	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004436	13_+_92002910_92002934	CTGCAGTGAAGGCACTTGTAGCATT	31604	hsa-miR-17-3p;Derives_from=MI0000071
NovelMiR_KnownLoci_ID0004437	13_+_92003010_92003029	TAAGGTGCATCTAGTGCAGA	31605	hsa-miR-18a-5p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004438	13_+_92003010_92003030	TAAGGTGCATCTAGTGCAGAT	31606	hsa-miR-18a-5p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004439	13_+_92003010_92003031	TAAGGTGCATCTAGTGCAGATA	31607	hsa-miR-18a-5p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004440	13_+_92003010_92003033	TAAGGTGCATCTAGTGCAGATAGT	31608	hsa-miR-18a-5p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004441	13_+_92003010_92003034	TAAGGTGCATCTAGTGCAGATAGTG	31609	hsa-miR-18a-5p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004442	13_+_92003051_92003068	ACTGCCCTAAGTGCTCCT	31610	hsa-miR-18a-3p;Derives_from=MI0000072

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004443	13_+_92003051_92003069	ACTGCCCTAAGTGCTCCTT	31611	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004444	13_+_92003051_92003070	ACTGCCCTAAGTGCTCCTTC	31612	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004445	13_+_92003051_92003071	ACTGCCCTAAGTGCTCCTTCT	31613	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004446	13_+_92003051_92003072	ACTGCCCTAAGTGCTCCTTCTG	31614	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004447	13_+_92003051_92003074	ACTGCCCTAAGTGCTCCTTCTGGC	31615	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004448	13_+_92003051_92003075	ACTGCCCTAAGTGCTCCTTCTGGCA	31616	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004449	13_+_92003051_92003077	ACTGCCCTAAGTGCTCCTTCTGGCATA	31617	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004450	13_+_92003052_92003077	CTGCCCTAAGTGCTCCTTCTGGCATA	31618	hsa-miR-18a-3p;Derives_from=MI0000072
NovelMiR_KnownLoci_ID0004451	13_+_92003157_92003174	TAGTTTTGCATAGTTGCA	31619	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004452	13_+_92003157_92003176	TAGTTTTGCATAGTTGCACT	31620	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004453	13_+_92003157_92003177	TAGTTTTGCATAGTTGCACTA	31621	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004454	13_+_92003157_92003178	TAGTTTTGCATAGTTGCACTAC	31622	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004455	13_+_92003157_92003179	TAGTTTTGCATAGTTGCACTACA	31623	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004456	13_+_92003157_92003181	TAGTTTTGCATAGTTGCACTACAAG	31624	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004457	13_+_92003158_92003175	AGTTTTGCATAGTTGCAC	31625	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004458	13_+_92003158_92003176	AGTTTTGCATAGTTGCACT	31626	hsa-miR-19a-5p;Derives_from=MI0000073

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004459	13_+_92003158_92003177	AGTTTTGCATAGTTGCACTA	31627	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004460	13_+_92003158_92003178	AGTTTTGCATAGTTGCACTAC	31628	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004461	13_+_92003160_92003182	TTTTGCATAGTTGCACTACAAGA	31629	hsa-miR-19a-5p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004462	13_+_92003192_92003215	TTGTTGCAAATCTATGCAAAACTGA	31630	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004463	13_+_92003192_92003217	TTGTGCAAATCTATGCAAAACTGA TG	31631	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004464	13_+_92003193_92003211	TGTGCAAATCTATGCAAAA	31632	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004465	13_+_92003193_92003212	TGTGCAAATCTATGCAAAAC	31633	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004466	13_+_92003193_92003213	TGTGCAAATCTATGCAAAACT	31634	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004467	13_+_92003193_92003214	TGTGCAAATCTATGCAAAACTG	31635	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004468	13_+_92003193_92003216	TGTGCAAATCTATGCAAAACTGAT	31636	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004469	13_+_92003193_92003217	TGTGCAAATCTATGCAAAACTGAT G	31637	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004470	13_+_92003193_92003219	TGTGCAAATCTATGCAAAACTGAT GGT	31638	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004471	13_+_92003193_92003220	TGTGCAAATCTATGCAAAACTGAT GGTG	31639	hsa-miR-19a-3p;Derives_from=MI0000073
NovelMiR_KnownLoci_ID0004472	13_+_92003326_92003344	TAAAGTGCTTATAGTGCAG	31640	hsa-miR-20a-5p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004473	13_+_92003326_92003345	TAAAGTGCTTATAGTGCAGG	31641	hsa-miR-20a-5p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004474	13_+_92003326_92003346	TAAAGTGCTTATAGTGCAGGT	31642	hsa-miR-20a-5p;Derives_from=MI0000076

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004475	13_+_92003326_92003347	TAAAGTGCTTATAGTGCAGGTA	31643	hsa-miR-20a-5p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004476	13_+_92003326_92003349	TAAAGTGCTTATAGTGCAGGTAGT	31644	hsa-miR-20a-5p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004477	13_+_92003326_92003350	TAAAGTGCTTATAGTGCAGGTAGTG	31645	hsa-miR-20a-5p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004478	13_+_92003327_92003348	AAAGTGCTTATAGTGCAGGTAG	31646	hsa-miR-20a-5p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004479	13_+_92003362_92003379	ACTGCATTATGAGCACTT	31647	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004480	13_+_92003362_92003380	ACTGCATTATGAGCACTTA	31648	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004481	13_+_92003362_92003381	ACTGCATTATGAGCACTTAA	31649	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004482	13_+_92003362_92003382	ACTGCATTATGAGCACTTAAA	31650	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004483	13_+_92003362_92003384	ACTGCATTATGAGCACTTAAAGT	31651	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004484	13_+_92003362_92003385	ACTGCATTATGAGCACTTAAAGTA	31652	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004485	13_+_92003362_92003386	ACTGCATTATGAGCACTTAAAGTAC	31653	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004486	13_+_92003363_92003381	CTGCATTATGAGCACTTAA	31654	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004487	13_+_92003363_92003383	CTGCATTATGAGCACTTAAAG	31655	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004488	13_+_92003363_92003384	CTGCATTATGAGCACTTAAAGT	31656	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004489	13_+_92003363_92003386	CTGCATTATGAGCACTTAAAGTAC	31657	hsa-miR-20a-3p;Derives_from=MI0000076
NovelMiR_KnownLoci_ID0004490	13_+_92003461_92003479	AGTTTTGCAGGTTTGCATC	31658	hsa-miR-19b-1-5p;Derives_from=MI0000074

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004491	13_+_92003461_92003480	AGTTTTGCAGGTTTGCATCC	31659	hsa-miR-19b-1-5p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004492	13_+_92003461_92003481	AGTTTTGCAGGTTTGCATCCA	31660	hsa-miR-19b-1-5p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004493	13_+_92003461_92003482	AGTTTTGCAGGTTTGCATCCAG	31661	hsa-miR-19b-1-5p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004494	13_+_92003461_92003484	AGTTTTGCAGGTTTGCATCCAGCT	31662	hsa-miR-19b-1-5p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004495	13_+_92003461_92003488	AGTTTTGCAGGTTTGCATCCAGCTGTGT	31663	hsa-miR-19b-1-5p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004496	13_+_92003499_92003516	TGTGCAAATCCATGCAAA	31664	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004497	13_+_92003499_92003519	TGTGCAAATCCATGCAAAACT	31665	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004498	13_+_92003499_92003520	TGTGCAAATCCATGCAAAACTG	31666	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004499	13_+_92003499_92003522	TGTGCAAATCCATGCAAAACTGAC	31667	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004500	13_+_92003499_92003523	TGTGCAAATCCATGCAAAACTGACT	31668	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004501	13_+_92003499_92003524	TGTGCAAATCCATGCAAAACTGACTG	31669	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004502	13_+_92003500_92003523	GTGCAAATCCATGCAAAACTGACT	31670	hsa-miR-19b-3p;Derives_from=MI0000074
NovelMiR_KnownLoci_ID0004503	13_+_92003577_92003597	CAGGTTGGGATCGGTTGCAAT	31671	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004504	13_+_92003577_92003600	CAGGTTGGGATCGGTTGCAATGCT	31672	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004505	13_+_92003578_92003594	AGGTTGGGATCGGTTGC	31673	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004506	13_+_92003578_92003595	AGGTTGGGATCGGTTGCA	31674	hsa-miR-92a-1-5p;Derives_from=MI0000093

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004507	13_+_92003578_92003596	AGGTTGGGATCGGTTGCAA	31675	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004508	13_+_92003578_92003597	AGGTTGGGATCGGTTGCAAT	31676	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004509	13_+_92003578_92003598	AGGTTGGGATCGGTTGCAATG	31677	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004510	13_+_92003578_92003599	AGGTTGGGATCGGTTGCAATGC	31678	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004511	13_+_92003578_92003601	AGGTTGGGATCGGTTGCAATGCTG	31679	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004512	13_+_92003578_92003602	AGGTTGGGATCGGTTGCAATGCTGT	31680	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004513	13_+_92003578_92003603	AGGTTGGGATCGGTTGCAATGCTGTG	31681	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004514	13_+_92003578_92003604	AGGTTGGGATCGGTTGCAATGCTGTGT	31682	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004515	13_+_92003579_92003600	GGTTGGGATCGGTTGCAATGCT	31683	hsa-miR-92a-1-5p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004516	13_+_92003615_92003637	TATTGCACTTGTCCCGGCCTGTT	31684	hsa-miR-92a-3p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004517	13_+_92003615_92003638	TATTGCACTTGTCCCGGCCTGTTG	31685	hsa-miR-92a-3p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004518	13_+_92003615_92003639	TATTGCACTTGTCCCGGCCTGTTGA	31686	hsa-miR-92a-3p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004519	13_+_92003615_92003640	TATTGCACTTGTCCCGGCCTGTTGAG	31687	hsa-miR-92a-3p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004520	13_+_92003615_92003641	TATTGCACTTGTCCCGGCCTGTTGAGT	31688	hsa-miR-92a-3p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004521	13_+_92003616_92003637	ATTGCACTTGTCCCGGCCTGTT	31689	hsa-miR-92a-3p;Derives_from=MI0000093
NovelMiR_KnownLoci_ID0004522	13_+_93142418_93142438	AAGTAATTGCGGGTTTTGCCG	31690	hsa-miR-548as-5p;Derives_from=MI0019132

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004523	13_+_93142451_93142473	GTAAAACCCACAATTATGTTTGT	31691	hsa-miR-548as-3p;Derives_from=MI0019132
NovelMiR_KnownLoci_ID0004524	13_+_93142452_93142471	TAAAACCCACAATTATGTTT	31692	hsa-miR-548as-3p;Derives_from=MI0019132
NovelMiR_KnownLoci_ID0004525	13_+_93142452_93142472	TAAAACCCACAATTATGTTTG	31693	hsa-miR-548as-3p;Derives_from=MI0019132
NovelMiR_KnownLoci_ID0004526	13_+_93142452_93142474	TAAAACCCACAATTATGTTTGTA	31694	hsa-miR-548as-3p;Derives_from=MI0019132
NovelMiR_KnownLoci_ID0004527	13_+_93142452_93142476	TAAAACCCACAATTATGTTTGTAC C	31695	hsa-miR-548as-3p;Derives_from=MI0019132
NovelMiR_KnownLoci_ID0004528	13_+_93142453_93142473	AAAACCCACAATTATGTTTGT	31696	hsa-miR-548as-3p;Derives_from=MI0019132
NovelMiR_KnownLoci_ID0004529	13_+_97079483_97079499	TATGTGACCTCGGATGA	31697	hsa-miR-4501;Derives_from=MI0016864
NovelMiR_KnownLoci_ID0004530	13_+_97079483_97079500	TATGTGACCTCGGATGAA	31698	hsa-miR-4501;Derives_from=MI0016864
NovelMiR_KnownLoci_ID0004531	13_+_97079483_97079501	TATGTGACCTCGGATGAAT	31699	hsa-miR-4501;Derives_from=MI0016864
NovelMiR_KnownLoci_ID0004532	13_+_97079483_97079502	TATGTGACCTCGGATGAATC	31700	hsa-miR-4501;Derives_from=MI0016864
NovelMiR_KnownLoci_ID0004533	13_+_97079483_97079505	TATGTGACCTCGGATGAATCACT	31701	hsa-miR-4501;Derives_from=MI0016864
NovelMiR_KnownLoci_ID0004534	13_+_98860781_98860796	GTAACACTGGGGTTCT	31702	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004535	13_+_98860781_98860799	GTAACACTGGGGTTCTGAG	31703	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004536	13_+_98860786_98860807	ACTGGGGTTCTGAGACAGACAG	31704	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004537	13_+_98860786_98860808	ACTGGGGTTCTGAGACAGACAGT	31705	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004538	13_+_98860786_98860810	ACTGGGGTTCTGAGACAGACAGTG T	31706	hsa-miR-3170;Derives_from=MI0014201

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004539	13_+_98860787_98860806	CTGGGGTTCTGAGACAGACA	31707	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004540	13_+_98860787_98860807	CTGGGGTTCTGAGACAGACAG	31708	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004541	13_+_98860787_98860810	CTGGGGTTCTGAGACAGACAGTGT	31709	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004542	13_+_98860788_98860808	TGGGGTTCTGAGACAGACAGT	31710	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004543	13_+_98860788_98860810	TGGGGTTCTGAGACAGACAGTGT	31711	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004544	13_+_98860789_98860808	GGGGTTCTGAGACAGACAGT	31712	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004545	13_+_98860790_98860808	GGGTTCTGAGACAGACAGT	31713	hsa-miR-3170;Derives_from=MI0014201
NovelMiR_KnownLoci_ID0004546	14_-_100575769_100575792	TCGAGGAGCTCACAGTCTAGACAA	31714	hsa-miR-151b;Derives_from=MI0003772
NovelMiR_KnownLoci_ID0004547	14_-_100575770_100575792	TCGAGGAGCTCACAGTCTAGACA	31715	hsa-miR-151b;Derives_from=MI0003772
NovelMiR_KnownLoci_ID0004548	14_-_100575771_100575792	TCGAGGAGCTCACAGTCTAGAC	31716	hsa-miR-151b;Derives_from=MI0003772
NovelMiR_KnownLoci_ID0004549	14_-_100575771_100575793	CTCGAGGAGCTCACAGTCTAGAC	31717	hsa-miR-151b;Derives_from=MI0003772
NovelMiR_KnownLoci_ID0004550	14_-_100575772_100575792	TCGAGGAGCTCACAGTCTAGA	31718	hsa-miR-151b;Derives_from=MI0003772
NovelMiR_KnownLoci_ID0004551	14_-_100575772_100575793	CTCGAGGAGCTCACAGTCTAGA	31719	hsa-miR-151b;Derives_from=MI0003772
NovelMiR_KnownLoci_ID0004552	14_+_100576010_100576026	AGGGGTGCTATCTGTGA	31720	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004553	14_+_100576010_100576028	AGGGGTGCTATCTGTGATT	31721	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004554	14_+_100576010_100576029	AGGGGTGCTATCTGTGATTG	31722	hsa-miR-342-5p;Derives_from=MI0000805

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004555	14_+_100576010_100576031	AGGGGTGCTATCTGTGATTGAC	31723	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004556	14_+_100576010_100576032	AGGGGTGCTATCTGTGATTGAGG	31724	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004557	14_+_100576010_100576033	AGGGGTGCTATCTGTGATTGAGGG	31725	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004558	14_+_100576010_100576034	AGGGGTGCTATCTGTGATTGAGGGA	31726	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004559	14_+_100576010_100576035	AGGGGTGCTATCTGTGATTGAGGGAC	31727	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004560	14_+_100576010_100576036	AGGGGTGCTATCTGTGATTGAGGGACA	31728	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004561	14_+_100576011_100576028	GGGGTGCTATCTGTGATT	31729	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004562	14_+_100576011_100576030	GGGGTGCTATCTGTGATTGA	31730	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004563	14_+_100576011_100576032	GGGGTGCTATCTGTGATTGAGG	31731	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004564	14_+_100576011_100576033	GGGGTGCTATCTGTGATTGAGGG	31732	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004565	14_+_100576011_100576034	GGGGTGCTATCTGTGATTGAGGGA	31733	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004566	14_+_100576011_100576035	GGGGTGCTATCTGTGATTGAGGGAC	31734	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004567	14_+_100576011_100576036	GGGGTGCTATCTGTGATTGAGGGACA	31735	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004568	14_+_100576015_100576036	TGCTATCTGTGATTGAGGGACA	31736	hsa-miR-342-5p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004569	14_+_100576052_100576069	TCTCACACAGAAATCGCA	31737	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004570	14_+_100576052_100576070	TCTCACACAGAAATCGCAC	31738	hsa-miR-342-3p;Derives_from=MI0000805

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004571	14_+_100576052_100576071	TCTCACACAGAAATCGCACC	31739	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004572	14_+_100576052_100576072	TCTCACACAGAAATCGCACCC	31740	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004573	14_+_100576052_100576073	TCTCACACAGAAATCGCACCCG	31741	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004574	14_+_100576052_100576075	TCTCACACAGAAATCGCACCCGTC	31742	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004575	14_+_100576052_100576076	TCTCACACAGAAATCGCACCCGTCA	31743	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004576	14_+_100576052_100576078	TCTCACACAGAAATCGCACCCGTCACC	31744	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004577	14_+_100576054_100576076	TCACACAGAAATCGCACCCGTCA	31745	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004578	14_+_100576054_100576078	TCACACAGAAATCGCACCCGTCAC	31746	hsa-miR-342-3p;Derives_from=MI0000805
NovelMiR_KnownLoci_ID0004579	14_+_100743698_100743719	CTCCCAGGGTCTGGTCAGAGTT	31747	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004580	14_+_100743698_100743720	CTCCCAGGGTCTGGTCAGAGTTG	31748	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004581	14_+_100743699_100743718	TCCCAGGGTCTGGTCAGAGT	31749	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004582	14_+_100743699_100743719	TCCCAGGGTCTGGTCAGAGTT	31750	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004583	14_+_100743699_100743721	TCCCAGGGTCTGGTCAGAGTTGC	31751	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004584	14_+_100743700_100743718	CCCAGGGTCTGGTCAGAGT	31752	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004585	14_+_100743700_100743720	CCCAGGGTCTGGTCAGAGTTG	31753	hsa-miR-6764-5p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004586	14_+_100743701_100743720	CCAGGGTCTGGTCAGAGTTG	31754	hsa-miR-6764-5p;Derives_from=MI0022609

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004587	14_+_100743728_100743746	GGTTGATCTCTGGTCTTTC	31755	hsa-miR-6764-3p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004588	14_+_100743734_100743752	TCTCTGGTCTTTCCTTGAC	31756	hsa-miR-6764-3p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004589	14_+_100743734_100743753	TCTCTGGTCTTTCCTTGACA	31757	hsa-miR-6764-3p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004590	14_+_100743734_100743755	TCTCTGGTCTTTCCTTGACAGT	31758	hsa-miR-6764-3p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004591	14_+_100743734_100743756	TCTCTGGTCTTTCCTTGACAGTG	31759	hsa-miR-6764-3p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004592	14_+_100743738_100743754	TGGTCTTTCCTTGACAG	31760	hsa-miR-6764-3p;Derives_from=MI0022609
NovelMiR_KnownLoci_ID0004593	14_+_100774213_100774229	GCTGACTCCTAGTCCAG	31761	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004594	14_+_100774213_100774230	GCTGACTCCTAGTCCAGG	31762	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004595	14_+_100774213_100774231	GCTGACTCCTAGTCCAGGG	31763	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004596	14_+_100774213_100774232	GCTGACTCCTAGTCCAGGGC	31764	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004597	14_+_100774213_100774233	GCTGACTCCTAGTCCAGGGCT	31765	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004598	14_+_100774213_100774235	GCTGACTCCTAGTCCAGGGCTCG	31766	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004599	14_+_100774213_100774236	GCTGACTCCTAGTCCAGGGCTCGT	31767	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004600	14_+_100774213_100774240	GCTGACTCCTAGTCCAGGGCTCGTGATG	31768	hsa-miR-345-5p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004601	14_+_100774249_100774267	GCCCTGAACGAGGGGTCTG	31769	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004602	14_+_100774249_100774269	GCCCTGAACGAGGGGTCTGGA	31770	hsa-miR-345-3p;Derives_from=MI0000825

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004603	14_+_100774249_100774271	GCCCTGAACGAGGGGTCTGGAGG	31771	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004604	14_+_100774249_100774272	GCCCTGAACGAGGGGTCTGGAGGC	31772	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004605	14_+_100774250_100774266	CCCTGAACGAGGGGTCT	31773	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004606	14_+_100774250_100774267	CCCTGAACGAGGGGTCTG	31774	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004607	14_+_100774250_100774269	CCCTGAACGAGGGGTCTGGA	31775	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004608	14_+_100774250_100774270	CCCTGAACGAGGGGTCTGGAG	31776	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004609	14_+_100774250_100774271	CCCTGAACGAGGGGTCTGGAGG	31777	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004610	14_+_100774251_100774270	CCTGAACGAGGGGTCTGGAG	31778	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004611	14_+_100774251_100774271	CCTGAACGAGGGGTCTGGAGG	31779	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004612	14_+_100774252_100774269	CTGAACGAGGGGTCTGGA	31780	hsa-miR-345-3p;Derives_from=MI0000825
NovelMiR_KnownLoci_ID0004613	14_+_101280888_101280905	TAGGATGGGGGTGAGAGG	31781	hsa-miR-2392;Derives_from=MI0016870
NovelMiR_KnownLoci_ID0004614	14_+_101280888_101280906	TAGGATGGGGGTGAGAGGT	31782	hsa-miR-2392;Derives_from=MI0016870
NovelMiR_KnownLoci_ID0004615	14_+_101280888_101280908	TAGGATGGGGGTGAGAGGTGC	31783	hsa-miR-2392;Derives_from=MI0016870
NovelMiR_KnownLoci_ID0004616	14_+_101318746_101318765	TCCAGTACCACGTGTCAGGG	31784	hsa-miR-770-5p;Derives_from=MI0005118
NovelMiR_KnownLoci_ID0004617	14_+_101318746_101318766	TCCAGTACCACGTGTCAGGGC	31785	hsa-miR-770-5p;Derives_from=MI0005118
NovelMiR_KnownLoci_ID0004618	14_+_101318746_101318767	TCCAGTACCACGTGTCAGGGCC	31786	hsa-miR-770-5p;Derives_from=MI0005118

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004619	14_+_101318746_101318769	TCCAGTACCACGTGTCAGGGCCAC	31787	hsa-miR-770-5p;Derives_from=MI0005118
NovelMiR_KnownLoci_ID0004620	14_+_101318746_101318770	TCCAGTACCACGTGTCAGGGCCACA	31788	hsa-miR-770-5p;Derives_from=MI0005118
NovelMiR_KnownLoci_ID0004621	14_+_101318746_101318771	TCCAGTACCACGTGTCAGGGCCACAT	31789	hsa-miR-770-5p;Derives_from=MI0005118
NovelMiR_KnownLoci_ID0004622	14_+_101318746_101318772	TCCAGTACCACGTGTCAGGGCCACATG	31790	hsa-miR-770-5p;Derives_from=MI0005118
NovelMiR_KnownLoci_ID0004623	14_+_101335412_101335429	TTGTACATGGTAGGCTTT	31791	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004624	14_+_101335412_101335430	TTGTACATGGTAGGCTTTC	31792	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004625	14_+_101335412_101335431	TTGTACATGGTAGGCTTTCA	31793	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004626	14_+_101335412_101335432	TTGTACATGGTAGGCTTTCAT	31794	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004627	14_+_101335412_101335434	TTGTACATGGTAGGCTTTCATTC	31795	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004628	14_+_101335412_101335435	TTGTACATGGTAGGCTTTCATTCA	31796	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004629	14_+_101335412_101335436	TTGTACATGGTAGGCTTTCATTCAT	31797	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004630	14_+_101335412_101335437	TTGTACATGGTAGGCTTTCATTCATT	31798	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004631	14_+_101335413_101335433	TGTACATGGTAGGCTTTCATT	31799	hsa-miR-493-5p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004632	14_+_101335453_101335472	TGAAGGTCTACTGTGTGCCA	31800	hsa-miR-493-3p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004633	14_+_101335453_101335473	TGAAGGTCTACTGTGTGCCAG	31801	hsa-miR-493-3p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004634	14_+_101335453_101335475	TGAAGGTCTACTGTGTGCCAGGC	31802	hsa-miR-493-3p;Derives_from=MI0003132

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004635	14_+_101335453_101335476	TGAAGGTCTACTGTGTGCCAGGCC	31803	hsa-miR-493-3p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004636	14_+_101335453_101335477	TGAAGGTCTACTGTGTGCCAGGCCC	31804	hsa-miR-493-3p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004637	14_+_101335454_101335472	GAAGGTCTACTGTGTGCCA	31805	hsa-miR-493-3p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004638	14_+_101335454_101335473	GAAGGTCTACTGTGTGCCAG	31806	hsa-miR-493-3p;Derives_from=MI0003132
NovelMiR_KnownLoci_ID0004639	14_+_101340846_101340861	GGGTGGGAACGGCTTC	31807	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004640	14_+_101340852_101340868	GAACGGCTTCATACAGG	31808	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004641	14_+_101340852_101340869	GAACGGCTTCATACAGGA	31809	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004642	14_+_101340852_101340870	GAACGGCTTCATACAGGAG	31810	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004643	14_+_101340852_101340871	GAACGGCTTCATACAGGAGT	31811	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004644	14_+_101340852_101340873	GAACGGCTTCATACAGGAGTTG	31812	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004645	14_+_101340852_101340874	GAACGGCTTCATACAGGAGTTGA	31813	hsa-miR-337-5p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004646	14_+_101340885_101340907	TCCAGCTCCTATATGATGCCTTT	31814	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004647	14_+_101340886_101340907	CCAGCTCCTATATGATGCCTTT	31815	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004648	14_+_101340890_101340909	CTCCTATATGATGCCTTTCT	31816	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004649	14_+_101340890_101340910	CTCCTATATGATGCCTTTCTT	31817	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004650	14_+_101340890_101340912	CTCCTATATGATGCCTTTCTTCA	31818	hsa-miR-337-3p;Derives_from=MI0000806

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004651	14_+_101340890_101340914	CTCCTATATGATGCCTTTCTTCATC	31819	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004652	14_+_101340891_101340909	TCCTATATGATGCCTTTCT	31820	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004653	14_+_101340891_101340910	TCCTATATGATGCCTTTCTT	31821	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004654	14_+_101340891_101340911	TCCTATATGATGCCTTTCTTC	31822	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004655	14_+_101340891_101340912	TCCTATATGATGCCTTTCTTCA	31823	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004656	14_+_101340891_101340914	TCCTATATGATGCCTTTCTTCATC	31824	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004657	14_+_101340891_101340915	TCCTATATGATGCCTTTCTTCATCC	31825	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004658	14_+_101340893_101340914	CTATATGATGCCTTTCTTCATC	31826	hsa-miR-337-3p;Derives_from=MI0000806
NovelMiR_KnownLoci_ID0004659	14_+_101341406_101341421	TTCATGACCAGGAGGC	31827	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004660	14_+_101341412_101341430	ACCAGGAGGCTGAGGCCCC	31828	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004661	14_+_101341412_101341432	ACCAGGAGGCTGAGGCCCCTC	31829	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004662	14_+_101341412_101341433	ACCAGGAGGCTGAGGCCCCTCA	31830	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004663	14_+_101341412_101341434	ACCAGGAGGCTGAGGCCCCTCAC	31831	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004664	14_+_101341412_101341435	ACCAGGAGGCTGAGGCCCCTCACA	31832	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004665	14_+_101341412_101341436	ACCAGGAGGCTGAGGCCCCTCACAG	31833	hsa-miR-665;Derives_from=MI0005563
NovelMiR_KnownLoci_ID0004666	14_+_101341412_101341437	ACCAGGAGGCTGAGGCCCCTCACAGG	31834	hsa-miR-665;Derives_from=MI0005563

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004667	14_+_101347363_101347378	TGTCTTGCAGGCCGTC	31835	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004668	14_+_101347363_101347379	TGTCTTGCAGGCCGTCA	31836	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004669	14_+_101347363_101347380	TGTCTTGCAGGCCGTCAT	31837	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004670	14_+_101347363_101347381	TGTCTTGCAGGCCGTCATG	31838	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004671	14_+_101347363_101347382	TGTCTTGCAGGCCGTCATGC	31839	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004672	14_+_101347363_101347384	TGTCTTGCAGGCCGTCATGCAG	31840	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004673	14_+_101347363_101347386	TGTCTTGCAGGCCGTCATGCAGGC	31841	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004674	14_+_101347364_101347383	GTCTTGCAGGCCGTCATGCA	31842	hsa-miR-431-5p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004675	14_+_101347403_101347421	TTGCAGGTCGTCTTGCAGG	31843	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004676	14_+_101347403_101347422	TTGCAGGTCGTCTTGCAGGG	31844	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004677	14_+_101347403_101347423	TTCCAGGTCGTCTTGCAGGCC	31845	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004678	14_+_101347403_101347424	TTGCAGGTCGTCTTGCAGGGCT	31846	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004679	14_+_101347403_101347426	TTGCAGGTCGTCTTGCAGGGCTTC	31847	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004680	14_+_101347403_101347427	TTGCAGGTCGTCTTGCAGGGCTTCT	31848	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004681	14_+_101347403_101347428	TTGCAGGTCGTCTTGCAGGGCTTCTC	31849	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004682	14_+_101347404_101347424	TGCAGGTCGTCTTGCAGGGCT	31850	hsa-miR-431-3p;Derives_from=MI0001721

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004683	14_+_101347404_101347426	TGCAGGTCGTCTTGCAGGGCTTC	31851	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004684	14_+_101347404_101347427	TGCAGGTCGTCTTGCAGGGCTTCT	31852	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004685	14_+_101347404_101347428	TGCAGGTCGTCTTGCAGGGCTTCT C	31853	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004686	14_+_101347404_101347431	TGCAGGTCGTCTTGCAGGGCTTCT CGCA	31854	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004687	14_+_101347406_101347421	CAGGTCGTCTTGCAGG	31855	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004688	14_+_101347406_101347422	CAGGTCGTCTTGCAGGG	31856	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004689	14_+_101347406_101347424	CAGGTCGTCTTGCAGGGCT	31857	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004690	14_+_101347406_101347426	CAGGTCGTCTTGCAGGGCTTC	31858	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004691	14_+_101347406_101347428	CAGGTCGTCTTGCAGGGCTTCTC	31859	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004692	14_+_101347406_101347429	CAGGTCGTCTTGCAGGGCTTCTCG	31860	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004693	14_+_101347406_101347430	CAGGTCGTCTTGCAGGGCTTCTCG C	31861	hsa-miR-431-3p;Derives_from=MI0001721
NovelMiR_KnownLoci_ID0004694	14_+_101348234_101348249	TACGGTGAGCCTGTCA	31862	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004695	14_+_101348234_101348251	TACGGTGAGCCTGTCATT	31863	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004696	14_+_101348234_101348252	TACGGTGAGCCTGTCATTA	31864	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004697	14_+_101348234_101348253	TACGGTGAGCCTGTCATTAT	31865	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004698	14_+_101348234_101348254	TACGGTGAGCCTGTCATTATT	31866	hsa-miR-433-5p;Derives_from=MI0001723

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004699	14_+_101348234_101348256	TACGGTGAGCCTGTCATTATTCA	31867	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004700	14_+_101348238_101348253	GTGAGCCTGTCATTAT	31868	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004701	14_+_101348238_101348255	GTGAGCCTGTCATTATTC	31869	hsa-miR-433-5p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004702	14_+_101348286_101348301	ATCATGATGGGCTCCT	31870	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004703	14_+_101348286_101348302	ATCATGATGGGCTCCTC	31871	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004704	14_+_101348286_101348303	ATCATGATGGGCTCCTCG	31872	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004705	14_+_101348286_101348304	ATCATGATGGGCTCCTCGG	31873	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004706	14_+_101348286_101348305	ATCATGATGGGCTCCTCGGT	31874	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004707	14_+_101348286_101348306	ATCATGATGGGCTCCTCGGTG	31875	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004708	14_+_101348286_101348308	ATCATGATGGGCTCCTCGGTGTT	31876	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004709	14_+_101348286_101348309	ATCATGATGGGCTCCTCGGTGTTC	31877	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004710	14_+_101348286_101348310	ATCATGATGGGCTCCTCGGTGTTC T	31878	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004711	14_+_101348286_101348311	ATCATGATGGGCTCCTCGGTGTTC TC	31879	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004712	14_+_101348286_101348312	ATCATGATGGGCTCCTCGGTGTTC TCC	31880	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004713	14_+_101348287_101348307	TCATGATGGGCTCCTCGGTGT	31881	hsa-miR-433-3p;Derives_from=MI0001723
NovelMiR_KnownLoci_ID0004714	14_+_101348289_101348307	ATGATGGGCTCCTCGGTGT	31882	hsa-miR-433-3p;Derives_from=MI0001723

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004715	14_+_101349336_101349356	TGCTGAAGCTCAGAGGGCTCT	31883	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004716	14_+_101349336_101349358	TGCTGAAGCTCAGAGGGCTCTGA	31884	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004717	14_+_101349336_101349361	TGCTGAAGCTCAGAGGGCTCTGATTC	31885	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004718	14_+_101349338_101349355	CTGAAGCTCAGAGGGCTC	31886	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004719	14_+_101349338_101349356	CTGAAGCTCAGAGGGCTCT	31887	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004720	14_+_101349338_101349357	CTGAAGCTCAGAGGGCTCTG	31888	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004721	14_+_101349338_101349358	CTGAAGCTCAGAGGGCTCTGA	31889	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004722	14_+_101349338_101349360	CTGAAGCTCAGAGGGCTCTGATT	31890	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004723	14_+_101349338_101349361	CTGAAGCTCAGAGGGCTCTGATTC	31891	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004724	14_+_101349338_101349363	CTGAAGCTCAGAGGGCTCTGATTCAG	31892	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004725	14_+_101349338_101349364	CTGAAGCTCAGAGGGCTCTGATTCAGA	31893	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004726	14_+_101349339_101349358	TGAAGCTCAGAGGGCTCTGA	31894	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004727	14_+_101349339_101349360	TGAAGCTCAGAGGGCTCTGATT	31895	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004728	14_+_101349339_101349361	TGAAGCTCAGAGGGCTCTGATTC	31896	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004729	14_+_101349340_101349360	GAAGCTCAGAGGGCTCTGATT	31897	hsa-miR-127-5p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004730	14_+_101349340_101349361	GAAGCTCAGAGGGCTCTGATTC	31898	hsa-miR-127-5p;Derives_from=MI0000472

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004731	14_+_101349372_101349388	TCGGATCCGTCTGAGCT	31899	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004732	14_+_101349372_101349389	TCGGATCCGTCTGAGCTT	31900	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004733	14_+_101349372_101349390	TCGGATCCGTCTGAGCTTG	31901	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004734	14_+_101349372_101349391	TCGGATCCGTCTGAGCTTGG	31902	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004735	14_+_101349372_101349392	TCGGATCCGTCTGAGCTTGGC	31903	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004736	14_+_101349372_101349394	TCGGATCCGTCTGAGCTTGGCTG	31904	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004737	14_+_101349372_101349395	TCGGATCCGTCTGAGCTTGGCTGG	31905	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004738	14_+_101349372_101349397	TCGGATCCGTCTGAGCTTGGCTGG TC	31906	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004739	14_+_101349373_101349395	CGGATCCGTCTGAGCTTGGCTGG	31907	hsa-miR-127-3p;Derives_from=MI0000472
NovelMiR_KnownLoci_ID0004740	14_+_101350833_101350850	TCTTGGAGTAGGTCATTG	31908	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004741	14_+_101350833_101350851	TCTTGGAGTAGGTCATTGG	31909	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004742	14_+_101350833_101350852	TCTTGGAGTAGGTCATTGGG	31910	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004743	14_+_101350833_101350853	TCTTGGAGTAGGTCATTGGGT	31911	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004744	14_+_101350833_101350854	TCTTGGAGTAGGTCATTGGGTG	31912	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004745	14_+_101350833_101350856	TCTTGGAGTAGGTCATTGGGTGGA	31913	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004746	14_+_101350833_101350857	TCTTGGAGTAGGTCATTGGGTGGA T	31914	hsa-miR-432-5p;Derives_from=MI0003133

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004747	14_+_101350833_101350858	TCTTGGAGTAGGTCATTGGGTGGATC	31915	hsa-miR-432-5p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004748	14_+_101350875_101350896	GGGCCACTGGATGGCTCCTCCA	31916	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004749	14_+_101350880_101350896	ACTGGATGGCTCCTCCA	31917	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004750	14_+_101350880_101350899	ACTGGATGGCTCCTCCATGT	31918	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004751	14_+_101350880_101350900	ACTGGATGGCTCCTCCATGTC	31919	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004752	14_+_101350880_101350901	ACTGGATGGCTCCTCCATGTCT	31920	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004753	14_+_101350880_101350902	ACTGGATGGCTCCTCCATGTCTT	31921	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004754	14_+_101350881_101350898	CTGGATGGCTCCTCCATG	31922	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004755	14_+_101350881_101350899	CTGGATGGCTCCTCCATGT	31923	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004756	14_+_101350881_101350900	CTGGATGGCTCCTCCATGTC	31924	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004757	14_+_101350881_101350902	CTGGATGGCTCCTCCATGTCTT	31925	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004758	14_+_101350881_101350903	CTGGATGGCTCCTCCATGTCTTG	31926	hsa-miR-432-3p;Derives_from=MI0003133
NovelMiR_KnownLoci_ID0004759	14_+_101351050_101351069	AGGACTCCATTTGTTTTGAT	31927	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004760	14_+_101351050_101351071	AGGACTCCATTTGTTTTGATGA	31928	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004761	14_+_101351050_101351072	AGGACTCCATTTGTTTTGATGAT	31929	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004762	14_+_101351051_101351072	GGACTCCATTTGTTTTGATGAT	31930	hsa-miR-136-5p;Derives_from=MI0000475

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004763	14_+_101351051_101351073	GGACTCCATTTGTTTTTGATGATG	31931	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004764	14_+_101351052_101351072	GACTCCATTTGTTTTTGATGAT	31932	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004765	14_+_101351053_101351070	ACTCCATTTGTTTTTGATG	31933	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004766	14_+_101351053_101351071	ACTCCATTTGTTTTTGATGA	31934	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004767	14_+_101351053_101351072	ACTCCATTTGTTTTTGATGAT	31935	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004768	14_+_101351053_101351073	ACTCCATTTGTTTTTGATGATG	31936	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004769	14_+_101351053_101351074	ACTCCATTTGTTTTTGATGATGG	31937	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004770	14_+_101351053_101351076	ACTCCATTTGTTTTTGATGATGGAT	31938	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004771	14_+_101351053_101351077	ACTCCATTTGTTTTTGATGATGGAT T	31939	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004772	14_+_101351053_101351078	ACTCCATTTGTTTTTGATGATGGAT TC	31940	hsa-miR-136-5p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004773	14_+_101351087_101351103	CATCATCGTCTCAAAATG	31941	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004774	14_+_101351087_101351106	CATCATCGTCTCAAAATGAGT	31942	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004775	14_+_101351087_101351107	CATCATCGTCTCAAAATGAGTC	31943	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004776	14_+_101351087_101351109	CATCATCGTCTCAAAATGAGTCTT	31944	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004777	14_+_101351087_101351110	CATCATCGTCTCAAAATGAGTCTTC	31945	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004778	14_+_101351087_101351113	CATCATCGTCTCAAAATGAGTCTTC AGA	31946	hsa-miR-136-3p;Derives_from=MI0000475

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004779	14_+_101351088_101351106	ATCATCGTCTCAAATGAGT	31947	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004780	14_+_101351088_101351107	ATCATCGTCTCAAATGAGTC	31948	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004781	14_+_101351088_101351108	ATCATCGTCTCAAATGAGTCT	31949	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004782	14_+_101351088_101351109	ATCATCGTCTCAAATGAGTCTT	31950	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004783	14_+_101351088_101351110	ATCATCGTCTCAAATGAGTCTTC	31951	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004784	14_+_101351088_101351111	ATCATCGTCTCAAATGAGTCTTCA	31952	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004785	14_+_101351088_101351113	ATCATCGTCTCAAATGAGTCTTCAGA	31953	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004786	14_+_101351089_101351109	TCATCGTCTCAAATGAGTCTT	31954	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004787	14_+_101351089_101351110	TCATCGTCTCAAATGAGTCTTC	31955	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004788	14_+_101351090_101351111	CATCGTCTCAAATGAGTCTTCA	31956	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004789	14_+_101351098_101351114	CAAATGAGTCTTCAGAG	31957	hsa-miR-136-3p;Derives_from=MI0000475
NovelMiR_KnownLoci_ID0004790	14_+_101377483_101377504	GAAGCCAGGTCACGTCTCTGCA	31958	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004791	14_+_101377484_101377505	AAGCCAGGTCACGTCTCTGCAG	31959	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004792	14_+_101377487_101377505	CCAGGTCACGTCTCTGCAG	31960	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004793	14_+_101377487_101377507	CCAGGTCACGTCTCTGCAGTT	31961	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004794	14_+_101377487_101377508	CCAGGTCACGTCTCTGCAGTTA	31962	hsa-miR-370-5p;Derives_from=MI0000778

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004795	14_+_101377487_101377510	CCAGGTCACGTCTCTGCAGTTACA	31963	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004796	14_+_101377488_101377504	CAGGTCACGTCTCTGCA	31964	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004797	14_+_101377488_101377505	CAGGTCACGTCTCTGCAG	31965	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004798	14_+_101377488_101377506	CAGGTCACGTCTCTGCAGT	31966	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004799	14_+_101377488_101377507	CAGGTCACGTCTCTGCAGTT	31967	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004800	14_+_101377488_101377508	CAGGTCACGTCTCTGCAGTTA	31968	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004801	14_+_101377488_101377510	CAGGTCACGTCTCTGCAGTTACA	31969	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004802	14_+_101377488_101377511	CAGGTCACGTCTCTGCAGTTACAC	31970	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004803	14_+_101377488_101377512	CAGGTCACGTCTCTGCAGTTACAC A	31971	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004804	14_+_101377488_101377514	CAGGTCACGTCTCTGCAGTTACAC AGC	31972	hsa-miR-370-5p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004805	14_+_101377522_101377542	TGCCTGCTGGGGTGGAACCTG	31973	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004806	14_+_101377523_101377540	GCCTGCTGGGGTGGAACC	31974	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004807	14_+_101377523_101377541	GCCTGCTGGGGTGGAACCT	31975	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004808	14_+_101377523_101377542	GCCTGCTGGGGTGGAACCTG	31976	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004809	14_+_101377523_101377543	GCCTGCTGGGGTGGAACCTGG	31977	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004810	14_+_101377523_101377545	GCCTGCTGGGGTGGAACCTGGTC	31978	hsa-miR-370-3p;Derives_from=MI0000778

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004811	14_+_101377523_101377546	GCCTGCTGGGGTGGAACCTGGTCT	31979	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004812	14_+_101377523_101377547	GCCTGCTGGGGTGGAACCTGGTCTG	31980	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004813	14_+_101377523_101377548	GCCTGCTGGGGTGGAACCTGGTCTGT	31981	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004814	14_+_101377524_101377545	CCTGCTGGGGTGGAACCTGGTC	31982	hsa-miR-370-3p;Derives_from=MI0000778
NovelMiR_KnownLoci_ID0004815	14_+_101488408_101488425	TGGTAGACTATGGAACGT	31983	hsa-miR-379-5p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004816	14_+_101488408_101488426	TGGTAGACTATGGAACGTA	31984	hsa-miR-379-5p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004817	14_+_101488408_101488427	TGGTAGACTATGGAACGTAG	31985	hsa-miR-379-5p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004818	14_+_101488408_101488429	TGGTAGACTATGGAACGTAGGC	31986	hsa-miR-379-5p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004819	14_+_101488408_101488430	TGGTAGACTATGGAACGTAGGCG	31987	hsa-miR-379-5p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004820	14_+_101488409_101488429	GGTAGACTATGGAACGTAGGC	31988	hsa-miR-379-5p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004821	14_+_101488446_101488462	TATGTAACATGGTCCAC	31989	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004822	14_+_101488446_101488463	TATGTAACATGGTCCACT	31990	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004823	14_+_101488446_101488464	TATGTAACATGGTCCACTA	31991	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004824	14_+_101488446_101488465	TATGTAACATGGTCCACTAA	31992	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004825	14_+_101488446_101488466	TATGTAACATGGTCCACTAAC	31993	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004826	14_+_101488446_101488468	TATGTAACATGGTCCACTAACTC	31994	hsa-miR-379-3p;Derives_from=MI0000787

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004827	14_+_101488446_101488469	TATGTAACATGGTCCACTAACTCT	31995	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004828	14_+_101488446_101488470	TATGTAACATGGTCCACTAACTCTC	31996	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004829	14_+_101488446_101488471	TATGTAACATGGTCCACTAACTCTCA	31997	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004830	14_+_101488447_101488467	ATGTAACATGGTCCACTAACT	31998	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004831	14_+_101488447_101488468	ATGTAACATGGTCCACTAACTC	31999	hsa-miR-379-3p;Derives_from=MI0000787
NovelMiR_KnownLoci_ID0004832	14_+_101489672_101489692	AGAGATAGTAGACCGTATAGC	32000	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004833	14_+_101489672_101489693	AGAGATAGTAGACCGTATAGCG	32001	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004834	14_+_101489676_101489691	ATAGTAGACCGTATAG	32002	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004835	14_+_101489676_101489692	ATAGTAGACCGTATAGC	32003	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004836	14_+_101489676_101489694	ATAGTAGACCGTATAGCGT	32004	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004837	14_+_101489676_101489695	ATAGTAGACCGTATAGCGTA	32005	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004838	14_+_101489676_101489696	ATAGTAGACCGTATAGCGTAC	32006	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004839	14_+_101489676_101489697	ATAGTAGACCGTATAGCGTACG	32007	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004840	14_+_101489676_101489698	ATAGTAGACCGTATAGCGTACGC	32008	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004841	14_+_101489677_101489693	TAGTAGACCGTATAGCG	32009	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004842	14_+_101489677_101489695	TAGTAGACCGTATAGCGTA	32010	hsa-miR-411-5p;Derives_from=MI0003675

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004843	14_+_101489677_101489696	TAGTAGACCGTATAGCGTAC	32011	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004844	14_+_101489677_101489698	TAGTAGACCGTATAGCGTACGC	32012	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004845	14_+_101489677_101489699	TAGTAGACCGTATAGCGTACGCT	32013	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004846	14_+_101489680_101489695	TAGACCGTATAGCGTA	32014	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004847	14_+_101489680_101489696	TAGACCGTATAGCGTAC	32015	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004848	14_+_101489680_101489697	TAGACCGTATAGCGTACG	32016	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004849	14_+_101489680_101489699	TAGACCGTATAGCGTACGCT	32017	hsa-miR-411-5p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004850	14_+_101489710_101489729	CGTATGTAACACGGTCCACT	32018	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004851	14_+_101489710_101489730	CGTATGTAACACGGTCCACTA	32019	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004852	14_+_101489710_101489731	CGTATGTAACACGGTCCACTAA	32020	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004853	14_+_101489712_101489728	TATGTAACACGGTCCAC	32021	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004854	14_+_101489712_101489729	TATGTAACACGGTCCACT	32022	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004855	14_+_101489712_101489730	TATGTAACACGGTCCACTA	32023	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004856	14_+_101489712_101489731	TATGTAACACGGTCCACTAA	32024	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004857	14_+_101489712_101489732	TATGTAACACGGTCCACTAAC	32025	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004858	14_+_101489712_101489736	TATGTAACACGGTCCACTAACCCTC	32026	hsa-miR-411-3p;Derives_from=MI0003675

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004859	14_+_101489713_101489731	ATGTAACACGGTCCACTAA	32027	hsa-miR-411-3p;Derives_from=MI0003675
NovelMiR_KnownLoci_ID0004860	14_+_101490136_101490154	ATGGTTTACCGTCCCACAT	32028	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004861	14_+_101490136_101490155	ATGGTTTACCGTCCCACATA	32029	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004862	14_+_101490136_101490156	ATGGTTTACCGTCCCACATAC	32030	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004863	14_+_101490136_101490157	ATGGTTTACCGTCCCACATACA	32031	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004864	14_+_101490136_101490159	ATGGTTTACCGTCCCACATACATT	32032	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004865	14_+_101490137_101490155	TGGTTTACCGTCCCACATA	32033	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004866	14_+_101490137_101490156	TGGTTTACCGTCCCACATAC	32034	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004867	14_+_101490137_101490157	TGGTTTACCGTCCCACATACA	32035	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004868	14_+_101490137_101490159	TGGTTTACCGTCCCACATACATT	32036	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004869	14_+_101490137_101490160	TGGTTTACCGTCCCACATACATTT	32037	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004870	14_+_101490137_101490163	TGGTTTACCGTCCCACATACATTTTGA	32038	hsa-miR-299-5p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004871	14_+_101490167_101490191	TGTATGTGGGATGGTAAACCGCTTC	32039	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004872	14_+_101490168_101490185	GTATGTGGGATGGTAAAC	32040	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004873	14_+_101490168_101490188	GTATGTGGGATGGTAAACCGC	32041	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004874	14_+_101490168_101490189	GTATGTGGGATGGTAAACCGCT	32042	hsa-miR-299-3p;Derives_from=MI0000744

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004875	14_+_101490168_101490191	GTATGTGGGATGGTAAACCGCTTC	32043	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004876	14_+_101490168_101490194	GTATGTGGGATGGTAAACCGCTTC TTG	32044	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004877	14_+_101490169_101490185	TATGTGGGATGGTAAAC	32045	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004878	14_+_101490169_101490187	TATGTGGGATGGTAAACCG	32046	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004879	14_+_101490169_101490188	TATGTGGGATGGTAAACCGC	32047	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004880	14_+_101490169_101490189	TATGTGGGATGGTAAACCGCT	32048	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004881	14_+_101490169_101490191	TATGTGGGATGGTAAACCGCTTC	32049	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004882	14_+_101490169_101490194	TATGTGGGATGGTAAACCGCTTCT TG	32050	hsa-miR-299-3p;Derives_from=MI0000744
NovelMiR_KnownLoci_ID0004883	14_+_101491357_101491373	ATGGTTGACCATAGAAC	32051	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004884	14_+_101491357_101491374	ATGGTTGACCATAGAACA	32052	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004885	14_+_101491357_101491375	ATGGTTGACCATACAACAT	32053	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004886	14_+_101491357_101491376	ATGGTTGACCATAGAACATG	32054	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004887	14_+_101491357_101491377	ATGGTTGACCATAGAACATGC	32055	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004888	14_+_101491357_101491378	ATGGTTGACCATAGAACATGCG	32056	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004889	14_+_101491357_101491379	ATGGTTGACCATAGAACATGCGC	32057	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004890	14_+_101491357_101491380	ATGGTTGACCATAGAACATGCGCT	32058	hsa-miR-380-5p;Derives_from=MI0000788

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004891	14_+_101491357_101491381	ATGGTTGACCATAGAACATGCGCT A	32059	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004892	14_+_101491359_101491375	GGTTGACCATAGAACAT	32060	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004893	14_+_101491359_101491376	GGTTGACCATAGAACATG	32061	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004894	14_+_101491359_101491377	GGTTGACCATAGAACATGC	32062	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004895	14_+_101491359_101491378	GGTTGACCATAGAACATGCG	32063	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004896	14_+_101491359_101491379	GGTTGACCATAGAACATGCGC	32064	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004897	14_+_101491360_101491379	GTTGACCATAGAACATGCGC	32065	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004898	14_+_101491361_101491379	TTGACCATAGAACATGCGC	32066	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004899	14_+_101491362_101491379	TGACCATAGAACATGCGC	32067	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004900	14_+_101491363_101491379	GACCATAGAACATGCGC	32068	hsa-miR-380-5p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004901	14_+_101491393_101491410	TATGTAATATGGTCCACA	32069	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004902	14_+_101491393_101491411	TATGTAATATGGTCCACAT	32070	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004903	14_+_101491393_101491412	TATGTAATATGGTCCACATC	32071	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004904	14_+_101491393_101491413	TATGTAATATGGTCCACATCT	32072	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004905	14_+_101491393_101491415	TATGTAATATGGTCCACATCTTC	32073	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004906	14_+_101491393_101491417	TATGTAATATGGTCCACATCTTCT C	32074	hsa-miR-380-3p;Derives_from=MI0000788

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004907	14_+_101491393_101491418	TATGTAATATGGTCCACATCTTCTCA	32075	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004908	14_+_101491394_101491413	ATGTAATATGGTCCACATCT	32076	hsa-miR-380-3p;Derives_from=MI0000788
NovelMiR_KnownLoci_ID0004909	14_+_101491951_101491971	GTGACGTAGGACACATGGTCT	32077	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004910	14_+_101491951_101491972	GTGACGTAGGACACATGGTCTA	32078	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004911	14_+_101491951_101491976	GTGACGTAGGACACATGGTCTACTTC	32079	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004912	14_+_101491957_101491974	TAGGACACATGGTCTACT	32080	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004913	14_+_101491957_101491975	TAGGACACATGGTCTACTT	32081	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004914	14_+_101491957_101491976	TAGGACACATGGTCTACTTC	32082	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004915	14_+_101491957_101491978	TAGGACACATGGTCTACTTCTT	32083	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004916	14_+_101491958_101491977	AGGACACATGGTCTACTTCT	32084	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004917	14_+_101491960_101491979	GACACATGGTCTACTTCTTC	32085	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004918	14_+_101491960_101491980	GACACATGGTCTACTTCTTCT	32086	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004919	14_+_101491960_101491981	GACACATGGTCTACTTCTTCTC	32087	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004920	14_+_101491960_101491982	GACACATGGTCTACTTCTTCTCA	32088	hsa-miR-1197;Derives_from=MI0006656
NovelMiR_KnownLoci_ID0004921	14_+_101492084_101492102	AGGTGGTCCGTGGCGCGTT	32089	hsa-miR-323a-5p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004922	14_+_101492084_101492103	AGGTGGTCCGTGGCGCGTTC	32090	hsa-miR-323a-5p;Derives_from=MI0000807

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004923	14_+_101492084_101492104	AGGTGGTCCGTGGCGCGTTCG	32091	hsa-miR-323a-5p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004924	14_+_101492084_101492106	AGGTGGTCCGTGGCGCGTTCGCT	32092	hsa-miR-323a-5p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004925	14_+_101492084_101492107	AGGTGGTCCGTGGCGCGTTCGCTT	32093	hsa-miR-323a-5p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004926	14_+_101492096_101492111	GCGCGTTCGCTTTATT	32094	hsa-miR-323a-5p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004927	14_+_101492118_101492134	GCACATTACACGGTCGA	32095	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004928	14_+_101492118_101492135	GCACATTACACGGTCGAC	32096	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004929	14_+_101492118_101492136	GCACATTACACGGTCGACC	32097	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004930	14_+_101492118_101492137	GCACATTACACGGTCGACCT	32098	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004931	14_+_101492118_101492138	GCACATTACACGGTCGACCTC	32099	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004932	14_+_101492118_101492139	GCACATTACACGGTCGACCTCT	32100	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004933	14_+_101492118_101492140	GCACATTACACGGTCGACCTCTT	32101	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004934	14_+_101492118_101492141	GCACATTACACGGTCGACCTCTTT	32102	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004935	14_+_101492119_101492137	CACATTACACGGTCGACCT	32103	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004936	14_+_101492119_101492138	CACATTACACGGTCGACCTC	32104	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004937	14_+_101492119_101492140	CACATTACACGGTCGACCTCTT	32105	hsa-miR-323a-3p;Derives_from=MI0000807
NovelMiR_KnownLoci_ID0004938	14_+_101492119_101492141	CACATTACACGGTCGACCTCTTT	32106	hsa-miR-323a-3p;Derives_from=MI0000807

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004939	14_+_101492372_101492390	ATGGTTGACCAGAGAGCAC	32107	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004940	14_+_101492372_101492391	ATGGTTGACCAGAGAGCACA	32108	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004941	14_+_101492372_101492392	ATGGTTGACCAGAGAGCACAC	32109	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004942	14_+_101492372_101492393	ATGGTTGACCAGAGAGCACACG	32110	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004943	14_+_101492372_101492394	ATGGTTGACCAGAGAGCACACGC	32111	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004944	14_+_101492372_101492395	ATGGTTGACCAGAGAGCACACGCT	32112	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004945	14_+_101492372_101492396	ATGGTTGACCAGAGAGCACACGCT T	32113	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004946	14_+_101492373_101492393	TGGTTGACCAGAGAGCACACG	32114	hsa-miR-758-5p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004947	14_+_101492408_101492424	TTTGTGACCTGGTCCAC	32115	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004948	14_+_101492408_101492426	TTTGTGACCTGGTCCACTA	32116	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004949	14_+_101492408_101492427	TTTGTGACCTGGTCCACTAA	32117	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004950	14_+_101492408_101492428	TTTGTGACCTGGTCCACTAAC	32118	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004951	14_+_101492408_101492430	TTTGTGACCTGGTCCACTAACCC	32119	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004952	14_+_101492408_101492431	TTTGTGACCTGGTCCACTAACCCT	32120	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004953	14_+_101492408_101492432	TTTGTGACCTGGTCCACTAACCCT C	32121	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004954	14_+_101492409_101492428	TTGTGACCTGGTCCACTAAC	32122	hsa-miR-758-3p;Derives_from=MI0003757

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004955	14_+_101492409_101492429	TTGTGACCTGGTCCACTAACC	32123	hsa-miR-758-3p;Derives_from=MI0003757
NovelMiR_KnownLoci_ID0004956	14_+_101493165_101493181	GGACGAAACACACCTGG	32124	hsa-miR-329-3p;Derives_from=MI0001725
NovelMiR_KnownLoci_ID0004957	14_+_101495983_101496004	AGAGGTTGTCCGTGTTGTCTTC	32125	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004958	14_+_101495983_101496006	AGAGGTTGTCCGTGTTGTCTTCTC	32126	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004959	14_+_101495985_101496003	AGGTTGTCCGTGTTGTCTT	32127	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004960	14_+_101495985_101496005	AGGTTGTCCGTGTTGTCTTCT	32128	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004961	14_+_101495985_101496006	AGGTTGTCCGTGTTGTCTTCTC	32129	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004962	14_+_101495985_101496008	AGGTTGTCCGTGTTGTCTTCTCTT	32130	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004963	14_+_101495985_101496009	AGGTTGTCCGTGTTGTCTTCTCTT T	32131	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004964	14_+_101495985_101496010	AGGTTGTCCGTGTTGTCTTCTCTT TA	32132	hsa-miR-494-5p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004965	14_+_101496018_101496034	TGAAACATACACGGGAA	32133	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004966	14_+_101496018_101496035	TGAAACATACACGGGAAA	32134	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004967	14_+_101496018_101496038	TGAAACATACACGGGAAACCT	32135	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004968	14_+_101496018_101496040	TGAAACATACACGGGAAACCTCT	32136	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004969	14_+_101496018_101496041	TGAAACATACACGGGAAACCTCTT	32137	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004970	14_+_101496018_101496042	TGAAACATACACGGGAAACCTCTT T	32138	hsa-miR-494-3p;Derives_from=MI0003134

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004971	14_+_101496018_101496043	TGAAACATACACGGGAAACCTCTTTT	32139	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004972	14_+_101496019_101496037	GAAACATACACGGGAAACC	32140	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004973	14_+_101496019_101496040	GAAACATACACGGGAAACCTCT	32141	hsa-miR-494-3p;Derives_from=MI0003134
NovelMiR_KnownLoci_ID0004974	14_+_101496398_101496415	GGGATGGTAGACCGGTGA	32142	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004975	14_+_101496398_101496418	GGGATGGTAGACCGGTGACGT	32143	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004976	14_+_101496398_101496419	GGGATGGTAGACCGGTGACGTG	32144	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004977	14_+_101496398_101496421	GGGATGGTAGACCGGTGACGTGCA	32145	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004978	14_+_101496398_101496422	GGGATGGTAGACCGGTGACGTGCAC	32146	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004979	14_+_101496398_101496424	GGGATGGTAGACCGGTGACGTGCACTT	32147	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004980	14_+_101496399_101496420	GGATGGTAGACCGGTGACGTGC	32148	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004981	14_+_101496399_101496421	GGATGGTAGACCGGTGACGTGCA	32149	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004982	14_+_101496400_101496420	GATGGTAGACCGGTGACGTGC	32150	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004983	14_+_101496401_101496420	ATGGTAGACCGGTGACGTGC	32151	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004984	14_+_101496402_101496421	TGGTAGACCGGTGACGTGCA	32152	hsa-miR-1193;Derives_from=MI0014205
NovelMiR_KnownLoci_ID0004985	14_+_101498370_101498385	AAACATTCGCGGTGCA	32153	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004986	14_+_101498370_101498389	AAACATTCGCGGTGCACTTC	32154	hsa-miR-543;Derives_from=MI0005565

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0004987	14_+_101498370_101498390	AAACATTCGCGGTGCACTTCT	32155	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004988	14_+_101498370_101498392	AAACATTCGCGGTGCACTTCTTT	32156	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004989	14_+_101498370_101498393	AAACATTCGCGGTGCACTTCTTTT	32157	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004990	14_+_101498370_101498394	AAACATTCGCGGTGCACTTCTTTTT	32158	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004991	14_+_101498370_101498395	AAACATTCGCGGTGCACTTCTTTTTC	32159	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004992	14_+_101498370_101498397	AAACATTCGCGGTGCACTTCTTTTTCAG	32160	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004993	14_+_101498371_101498391	AACATTCGCGGTGCACTTCTT	32161	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004994	14_+_101498371_101498392	AACATTCGCGGTGCACTTCTTT	32162	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004995	14_+_101498373_101498391	CATTCGCGGTGCACTTCTT	32163	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004996	14_+_101498374_101498391	ATTCGCGGTGCACTTCTT	32164	hsa-miR-543;Derives_from=MI0005565
NovelMiR_KnownLoci_ID0004997	14_+_101500104_101500125	AGAAGTTGCCCATGTTATTTTC	32165	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0004998	14_+_101500105_101500121	GAAGTTGCCCATGTTAT	32166	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0004999	14_+_101500105_101500124	GAAGTTGCCCATGTTATTTT	32167	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005000	14_+_101500105_101500125	GAAGTTGCCCATGTTATTTTC	32168	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005001	14_+_101500105_101500127	GAAGTTGCCCATGTTATTTTCGC	32169	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005002	14_+_101500105_101500128	GAAGTTGCCCATGTTATTTTCGCT	32170	hsa-miR-495-5p;Derives_from=MI0003135

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005003	14_+_101500106_101500126	AAGTTGCCCATGTTATTTTCG	32171	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005004	14_+_101500106_101500127	AAGTTGCCCATGTTATTTTCGC	32172	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005005	14_+_101500109_101500126	TTGCCCATGTTATTTTCG	32173	hsa-miR-495-5p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005006	14_+_101500141_101500160	AAACAAACATGGTGCACTTC	32174	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005007	14_+_101500141_101500161	AAACAAACATGGTGCACTTCT	32175	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005008	14_+_101500141_101500163	AAACAAACATGGTGCACTTCTTT	32176	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005009	14_+_101500141_101500164	AAACAAACATGGTGCACTTCTTTT	32177	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005010	14_+_101500141_101500166	AAACAAACATGGTGCACTTCTTTTTC	32178	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005011	14_+_101500141_101500167	AAACAAACATGGTGCACTTCTTTTTCG	32179	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005012	14_+_101500141_101500168	AAACAAACATGGTGCACTTCTTTTTCGG	32180	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005013	14_+_101500142_101500162	AACAAACATGGTGCACTTCTT	32181	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005014	14_+_101500142_101500163	AACAAACATGGTGCACTTCTTT	32182	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005015	14_+_101500142_101500164	AACAAACATGGTGCACTTCTTTT	32183	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005016	14_+_101500142_101500166	AACAAACATGGTGCACTTCTTTTTC	32184	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005017	14_+_101500142_101500168	AACAAACATGGTGCACTTCTTTTTCGG	32185	hsa-miR-495-3p;Derives_from=MI0003135
NovelMiR_KnownLoci_ID0005018	14_+_101500143_101500166	ACAAACATGGTGCACTTCTTTTTC	32186	hsa-miR-495-3p;Derives_from=MI0003135

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005019	14_+_101506030_101506053	AGGTGGATATTCCTTCTATGTTTA	32187	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005020	14_+_101506031_101506050	GGTGGATATTCCTTCTATGT	32188	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005021	14_+_101506031_101506052	GGTGGATATTCCTTCTATGTTT	32189	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005022	14_+_101506031_101506053	GGTGGATATTCCTTCTATGTTTA	32190	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005023	14_+_101506031_101506055	GGTGGATATTCCTTCTATGTTTAT G	32191	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005024	14_+_101506032_101506054	GTGGATATTCCTTCTATGTTTAT	32192	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005025	14_+_101506032_101506055	GTGGATATTCCTTCTATGTTTATG	32193	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005026	14_+_101506032_101506056	GTGGATATTCCTTCTATGTTTATG T	32194	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005027	14_+_101506032_101506057	GTGGATATTCCTTCTATGTTTATG TT	32195	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005028	14_+_101506033_101506054	TGGATATTCCTTCTATGTTTAT	32196	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005029	14_+_101506033_101506055	TGGATATTCCTTCTATGTTTATG	32197	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005030	14_+_101506034_101506054	GGATATTCCTTCTATGTTTAT	32198	hsa-miR-376c-5p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005031	14_+_101506067_101506088	TAAACATAGAGGAAATTCCACG	32199	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005032	14_+_101506068_101506088	AAACATAGAGGAAATTCCACG	32200	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005033	14_+_101506069_101506086	AACATAGAGGAAATTCCA	32201	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005034	14_+_101506069_101506087	AACATAGAGGAAATTCCAC	32202	hsa-miR-376c-3p;Derives_from=MI0000776

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005035	14_+_101506069_101506088	AACATAGAGGAAATTCCACG	32203	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005036	14_+_101506069_101506090	AACATAGAGGAAATTCCACGTT	32204	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005037	14_+_101506069_101506091	AACATAGAGGAAATTCCACGTTT	32205	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005038	14_+_101506069_101506093	AACATAGAGGAAATTCCACGTTTT C	32206	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005039	14_+_101506069_101506094	AACATAGAGGAAATTCCACGTTTT CA	32207	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005040	14_+_101506069_101506095	AACATAGAGGAAATTCCACGTTTT CAG	32208	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005041	14_+_101506070_101506090	ACATAGAGGAAATTCCACGTT	32209	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005042	14_+_101506070_101506093	ACATAGAGGAAATTCCACGTTTTC	32210	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005043	14_+_101506071_101506089	CATAGAGGAAATTCCACGT	32211	hsa-miR-376c-3p;Derives_from=MI0000776
NovelMiR_KnownLoci_ID0005044	14_+_101506417_101506438	GGTAGATTTTCCTTCTATGGTT	32212	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005045	14_+_101506417_101506439	GGTAGATTTTCCTTCTATGGTTA	32213	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005046	14_+_101506418_101506435	GTAGATTTTCCTTCTATG	32214	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005047	14_+_101506418_101506436	GTAGATTTTCCTTCTATGG	32215	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005048	14_+_101506418_101506437	GTAGATTTTCCTTCTATGGT	32216	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005049	14_+_101506418_101506438	GTAGATTTTCCTTCTATGGTT	32217	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005050	14_+_101506418_101506439	GTAGATTTTCCTTCTATGGTTA	32218	hsa-miR-376a-2-5p;Derives_from=MI0003529

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005051	14_+_101506418_101506440	GTAGATTTTCCTTCTATGGTTAC	32219	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005052	14_+_101506418_101506443	GTAGATTTTCCTTCTATGGTTACGTG	32220	hsa-miR-376a-2-5p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005053	14_+_101506449_101506475	TGGTTAATCATAGAGGAAAATCCACGT	32221	hsa-miR-376a-3p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005054	14_+_101506450_101506475	GGTTAATCATAGAGGAAAATCCACGT	32222	hsa-miR-376a-3p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005055	14_+_101506451_101506475	GTTAATCATAGAGGAAAATCCACGT	32223	hsa-miR-376a-3p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005056	14_+_101506454_101506474	AATCATAGAGGAAAATCCACG	32224	hsa-miR-376a-3p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005057	14_+_101506455_101506476	ATCATAGAGGAAAATCCACGTT	32225	hsa-miR-376a-3p;Derives_from=MI0003529
NovelMiR_KnownLoci_ID0005058	14_+_101506568_101506592	AGATGGTGGGCCGCAGAACATGTGC	32226	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005059	14_+_101506569_101506588	GATGGTGGGCCGCAGAACAT	32227	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005060	14_+_101506570_101506585	ATGGTGGGCCGCAGAA	32228	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005061	14_+_101506570_101506586	ATGGTGGGCCGCAGAAC	32229	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005062	14_+_101506570_101506587	ATGGTGGGCCGCAGAACA	32230	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005063	14_+_101506570_101506588	ATGGTGGGCCGCAGAACAT	32231	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005064	14_+_101506570_101506589	ATGGTGGGCCGCAGAACATG	32232	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005065	14_+_101506570_101506590	ATGGTGGGCCGCAGAACATGT	32233	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005066	14_+_101506570_101506591	ATGGTGGGCCGCAGAACATGTG	32234	hsa-miR-654-5p;Derives_from=MI0003676

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005067	14_+_101506570_101506592	ATGGTGGGCCGCAGAACATGTGC	32235	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005068	14_+_101506570_101506594	ATGGTGGGCCGCAGAACATGTGCTG	32236	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005069	14_+_101506571_101506586	TGGTGGGCCGCAGAAC	32237	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005070	14_+_101506571_101506588	TGGTGGGCCGCAGAACAT	32238	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005071	14_+_101506571_101506589	TGGTGGGCCGCAGAACATG	32239	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005072	14_+_101506571_101506590	TGGTGGGCCGCAGAACATGT	32240	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005073	14_+_101506571_101506591	TGGTGGGCCGCAGAACATGTG	32241	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005074	14_+_101506571_101506593	TGGTGGGCCGCAGAACATGTGCT	32242	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005075	14_+_101506571_101506594	TGGTGGGCCGCAGAACATGTGCTG	32243	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005076	14_+_101506571_101506595	TGGTGGGCCGCAGAACATGTGCTGA	32244	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005077	14_+_101506571_101506597	TGGTGGGCCGCAGAACATGTGCTGAGT	32245	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005078	14_+_101506576_101506595	GGCCGCAGAACATGTGCTGA	32246	hsa-miR-654-5p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005079	14_+_101506604_101506625	CATATGTCTGCTGACCATCACC	32247	hsa-miR-654-3p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005080	14_+_101506606_101506625	TATGTCTGCTGACCATCACC	32248	hsa-miR-654-3p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005081	14_+_101506606_101506626	TATGTCTGCTGACCATCACCT	32249	hsa-miR-654-3p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005082	14_+_101506606_101506628	TATGTCTGCTGACCATCACCTTT	32250	hsa-miR-654-3p;Derives_from=MI0003676

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005083	14_+_101506606_101506629	TATGTCTGCTGACCATCACCTTTA	32251	hsa-miR-654-3p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005084	14_+_101506606_101506630	TATGTCTGCTGACCATCACCTTTAG	32252	hsa-miR-654-3p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005085	14_+_101506607_101506625	ATGTCTGCTGACCATCACC	32253	hsa-miR-654-3p;Derives_from=MI0003676
NovelMiR_KnownLoci_ID0005086	14_+_101506794_101506815	AACGTGGATATTCCTTCTATGT	32254	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005087	14_+_101506794_101506816	AACGTGGATATTCCTTCTATGTT	32255	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005088	14_+_101506797_101506819	GTGGATATTCCTTCTATGTTTAC	32256	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005089	14_+_101506797_101506820	GTGGATATTCCTTCTATGTTTACG	32257	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005090	14_+_101506797_101506821	GTGGATATTCCTTCTATGTTTACGT	32258	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005091	14_+_101506797_101506822	GTGGATATTCCTTCTATGTTTACGTG	32259	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005092	14_+_101506797_101506823	GTGGATATTCCTTCTATGTTTACGTGA	32260	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005093	14_+_101506798_101506819	TGGATATTCCTTCTATGTTTAC	32261	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005094	14_+_101506798_101506820	TGGATATTCCTTCTATGTTTACG	32262	hsa-miR-376b-5p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005095	14_+_101506834_101506852	ATCATAGAGGAAAATCCAT	32263	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005096	14_+_101506834_101506853	ATCATAGAGGAAAATCCATG	32264	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005097	14_+_101506834_101506854	ATCATAGAGGAAAATCCATGT	32265	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005098	14_+_101506834_101506856	ATCATAGAGGAAAATCCATGTTT	32266	hsa-miR-376b-3p;Derives_from=MI0002466

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005099	14_+_101506834_101506857	ATCATAGAGGAAAATCCATGTTTT	32267	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005100	14_+_101506834_101506858	ATCATAGAGGAAAATCCATGTTTTC	32268	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005101	14_+_101506834_101506860	ATCATAGAGGAAAATCCATGTTTTCAG	32269	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005102	14_+_101506834_101506861	ATCATAGAGGAAAATCCATGTTTTCAGT	32270	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005103	14_+_101506835_101506854	TCATAGAGGAAAATCCATGT	32271	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005104	14_+_101506835_101506855	TCATAGAGGAAAATCCATGTT	32272	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005105	14_+_101506835_101506858	TCATAGAGGAAAATCCATGTTTTTC	32273	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005106	14_+_101506837_101506854	ATAGAGGAAAATCCATGT	32274	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005107	14_+_101506837_101506858	ATAGAGGAAAATCCATGTTTTC	32275	hsa-miR-376b-3p;Derives_from=MI0002466
NovelMiR_KnownLoci_ID0005108	14_+_101507123_101507144	AGGTAGATTCTCCTTCTATGAG	32276	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005109	14_+_101507123_101507145	AGGTAGATTCTCCTTCTATGAGT	32277	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005110	14_+_101507124_101507145	GGTAGATTCTCCTTCTATGAGT	32278	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005111	14_+_101507125_101507142	GTAGATTCTCCTTCTATG	32279	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005112	14_+_101507125_101507143	GTAGATTCTCCTTCTATGA	32280	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005113	14_+_101507125_101507144	GTAGATTCTCCTTCTATGAG	32281	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005114	14_+_101507125_101507145	GTAGATTCTCCTTCTATGAGT	32282	hsa-miR-376a-5p;Derives_from=MI0000784

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005115	14_+_101507125_101507147	GTAGATTCTCCTTCTATGAGTAC	32283	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005116	14_+_101507125_101507148	GTAGATTCTCCTTCTATGAGTACA	32284	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005117	14_+_101507125_101507150	GTAGATTCTCCTTCTATGAGTACATT	32285	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005118	14_+_101507126_101507147	TAGATTCTCCTTCTATGAGTAC	32286	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005119	14_+_101507129_101507150	ATTCTCCTTCTATGAGTACATT	32287	hsa-miR-376a-5p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005120	14_+_101507156_101507182	TGATTAATCATAGAGGAAAATCCACGT	32288	hsa-miR-376a-3p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005121	14_+_101507157_101507182	GATTAATCATAGAGGAAAATCCACGT	32289	hsa-miR-376a-3p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005122	14_+_101507158_101507181	ATTAATCATAGAGGAAAATCCACG	32290	hsa-miR-376a-3p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005123	14_+_101507158_101507182	ATTAATCATAGAGGAAAATCCACGT	32291	hsa-miR-376a-3p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005124	14_+_101507162_101507183	ATCATAGAGGAAAATCCACGTT	32292	hsa-miR-376a-3p;Derives_from=MI0000784
NovelMiR_KnownLoci_ID0005125	14_+_101507751_101507766	TATACAAGGGCAGACT	32293	hsa-miR-300;Derives_from=MI0005525
NovelMiR_KnownLoci_ID0005126	14_+_101507751_101507767	TATACAAGGGCAGACTC	32294	hsa-miR-300;Derives_from=MI0005525
NovelMiR_KnownLoci_ID0005127	14_+_101507751_101507773	TATACAAGGGCAGACTCTCTCTG	32295	hsa-miR-300;Derives_from=MI0005525
NovelMiR_KnownLoci_ID0005128	14_+_101509365_101509387	AATATACAGGGGGAGACTCTTAT	32296	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005129	14_+_101509365_101509388	AATATACAGGGGGAGACTCTTATT	32297	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005130	14_+_101509365_101509389	AATATACAGGGGGAGACTCTTATTT	32298	hsa-miR-1185-1-3p;Derives_from=MI0003844

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005131	14_+_101509366_101509385	ATATACAGGGGGAGACTCTT	32299	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005132	14_+_101509366_101509386	ATATACAGGGGGAGACTCTTA	32300	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005133	14_+_101509366_101509388	ATATACAGGGGGAGACTCTTATT	32301	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005134	14_+_101509366_101509389	ATATACAGGGGGAGACTCTTATTT	32302	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005135	14_+_101509366_101509390	ATATACAGGGGGAGACTCTTATTT G	32303	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005136	14_+_101509366_101509391	ATATACAGGGGGAGACTCTTATTT GC	32304	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005137	14_+_101509366_101509392	ATATACAGGGGGAGACTCTTATTT GCG	32305	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005138	14_+_101509367_101509387	TATACAGGGGGAGACTCTTAT	32306	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005139	14_+_101509367_101509389	TATACAGGGGGAGACTCTTATTT	32307	hsa-miR-1185-1-3p;Derives_from=MI0003844
NovelMiR_KnownLoci_ID0005140	14_+_101510545_101510569	AAAGAGAGGATACCCTTTGTATGT T	32308	hsa-miR-1185-5p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005141	14_+_101510586_101510609	AATATACAGGGGGAGACTCTCATT	32309	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005142	14_+_101510587_101510606	ATATACAGGGGGAGACTCTC	32310	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005143	14_+_101510587_101510607	ATATACAGGGGGAGACTCTCA	32311	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005144	14_+_101510587_101510609	ATATACAGGGGGAGACTCTCATT	32312	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005145	14_+_101510587_101510610	ATATACAGGGGGAGACTCTCATTT	32313	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005146	14_+_101510587_101510611	ATATACAGGGGGAGACTCTCATTT G	32314	hsa-miR-1185-2-3p;Derives_from=MI0003821

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005147	14_+_101510587_101510613	ATATACAGGGGGAGACTCTCATTTGCG	32315	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005148	14_+_101510588_101510608	TATACAGGGGGAGACTCTCAT	32316	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005149	14_+_101510588_101510610	TATACAGGGGGAGACTCTCATTT	32317	hsa-miR-1185-2-3p;Derives_from=MI0003821
NovelMiR_KnownLoci_ID0005150	14_+_101512264_101512279	AGCGAGGTTGCCCTTT	32318	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005151	14_+_101512264_101512280	AGCGAGGTTGCCCTTTG	32319	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005152	14_+_101512264_101512281	AGCGAGGTTGCCCTTTGT	32320	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005153	14_+_101512264_101512282	AGCGAGGTTGCCCTTTGTA	32321	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005154	14_+_101512264_101512283	AGCGAGGTTGCCCTTTGTAT	32322	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005155	14_+_101512264_101512284	AGCGAGGTTGCCCTTTGTATA	32323	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005156	14_+_101512264_101512286	AGCGAGGTTGCCCTTTGTATATT	32324	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005157	14_+_101512264_101512287	AGCGAGGTTGCCCTTTGTATATTC	32325	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005158	14_+_101512264_101512288	AGCGAGGTTGCCCTTTGTATATTCG	32326	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005159	14_+_101512264_101512290	AGCGAGGTTGCCCTTTGTATATTCGGT	32327	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005160	14_+_101512266_101512288	CGAGGTTGCCCTTTGTATATTCG	32328	hsa-miR-381-5p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005161	14_+_101512304_101512323	ATATACAAGGGCAAGCTCTC	32329	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005162	14_+_101512304_101512324	ATATACAAGGGCAAGCTCTCT	32330	hsa-miR-381-3p;Derives_from=MI0000789

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005163	14_+_101512304_101512326	ATATACAAGGGCAAGCTCTCTGT	32331	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005164	14_+_101512305_101512320	TATACAAGGGCAAGCT	32332	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005165	14_+_101512305_101512323	TATACAAGGGCAAGCTCTC	32333	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005166	14_+_101512305_101512324	TATACAAGGGCAAGCTCTCT	32334	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005167	14_+_101512305_101512325	TATACAAGGGCAAGCTCTCTG	32335	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005168	14_+_101512305_101512327	TATACAAGGGCAAGCTCTCTGTG	32336	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005169	14_+_101512306_101512326	ATACAAGGGCAAGCTCTCTGT	32337	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005170	14_+_101512308_101512326	ACAAGGGCAAGCTCTCTGT	32338	hsa-miR-381-3p;Derives_from=MI0000789
NovelMiR_KnownLoci_ID0005171	14_+_101512803_101512824	AGAGTGGTTATCCCTGTCCTGT	32339	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005172	14_+_101512803_101512826	AGAGTGGTTATCCCTGTCCTGTTC	32340	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005173	14_+_101512805_101512824	AGTGGTTATCCCTGTCCTGT	32341	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005174	14_+_101512805_101512825	AGTGGTTATCCCTGTCCTGTT	32342	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005175	14_+_101512805_101512826	AGTGGTTATCCCTGTCCTGTTC	32343	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005176	14_+_101512805_101512827	AGTGGTTATCCCTGTCCTGTTCG	32344	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005177	14_+_101512806_101512824	GTGGTTATCCCTGTCCTGT	32345	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005178	14_+_101512806_101512825	GTGGTTATCCCTGTCCTGTT	32346	hsa-miR-487b-5p;Derives_from=MI0003530

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005179	14_+_101512806_101512826	GTGGTTATCCCTGTCCTGTTC	32347	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005180	14_+_101512806_101512828	GTGGTTATCCCTGTCCTGTTCGT	32348	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005181	14_+_101512806_101512829	GTGGTTATCCCTGTCCTGTTCGTT	32349	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005182	14_+_101512807_101512827	TGGTTATCCCTGTCCTGTTCG	32350	hsa-miR-487b-5p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005183	14_+_101512842_101512857	AATCGTACAGGGTCAT	32351	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005184	14_+_101512842_101512860	AATCGTACAGGGTCATCCA	32352	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005185	14_+_101512842_101512861	AATCGTACAGGGTCATCCAC	32353	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005186	14_+_101512842_101512862	AATCGTACAGGGTCATCCACT	32354	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005187	14_+_101512842_101512864	AATCGTACAGGGTCATCCACTTT	32355	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005188	14_+_101512842_101512865	AATCGTACAGGGTCATCCACTTTT	32356	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005189	14_+_101512842_101512866	AATCGTACAGGGTCATCCACTTTT	32357	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005190	14_+_101512842_101512867	AATCGTACAGGGTCATCCACTTTTTC	32358	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005191	14_+_101512843_101512864	ATCGTACAGGGTCATCCACTTT	32359	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005192	14_+_101512843_101512867	ATCGTACAGGGTCATCCACTTTTTC	32360	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005193	14_+_101512844_101512862	TCGTACAGGGTCATCCACT	32361	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005194	14_+_101512844_101512863	TCGTACAGGGTCATCCACTT	32362	hsa-miR-487b-3p;Derives_from=MI0003530

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005195	14_+_101512844_101512864	TCGTACAGGGTCATCCACTTT	32363	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005196	14_+_101512844_101512865	TCGTACAGGGTCATCCACTTTT	32364	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005197	14_+_101512844_101512866	TCGTACAGGGTCATCCACTTTTT	32365	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005198	14_+_101512844_101512867	TCGTACAGGGTCATCCACTTTTTC	32366	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005199	14_+_101512844_101512869	TCGTACAGGGTCATCCACTTTTTC AG	32367	hsa-miR-487b-3p;Derives_from=MI0003530
NovelMiR_KnownLoci_ID0005200	14_+_101513666_101513682	GGAGAAATTATCCTTGG	32368	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005201	14_+_101513666_101513684	GGAGAAATTATCCTTGGTG	32369	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005202	14_+_101513666_101513685	GGAGAAATTATCCTTGGTGT	32370	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005203	14_+_101513666_101513686	GGAGAAATTATCCTTGGTGTG	32371	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005204	14_+_101513666_101513688	GGAGAAATTATCCTTGGTGTGTT	32372	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005205	14_+_101513666_101513689	GGAGAAATTATCCTTGGTGTGTTC	32373	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005206	14_+_101513666_101513692	GGAGAAATTATCCTTGGTGTGTTC GCT	32374	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005207	14_+_101513668_101513685	AGAAATTATCCTTGGTGT	32375	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005208	14_+_101513668_101513688	AGAAATTATCCTTGGTGTGTT	32376	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005209	14_+_101513668_101513689	AGAAATTATCCTTGGTGTGTTC	32377	hsa-miR-539-5p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005210	14_+_101513705_101513725	AATCATACAAGGACAATTTCT	32378	hsa-miR-539-3p;Derives_from=MI0003514

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005211	14_+_101513705_101513727	AATCATACAAGGACAATTTCTTT	32379	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005212	14_+_101513705_101513729	AATCATACAAGGACAATTTCTTTTT	32380	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005213	14_+_101513706_101513723	ATCATACAAGGACAATTT	32381	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005214	14_+_101513706_101513724	ATCATACAAGGACAATTTC	32382	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005215	14_+_101513706_101513725	ATCATACAAGGACAATTTCT	32383	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005216	14_+_101513706_101513726	ATCATACAAGGACAATTTCTT	32384	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005217	14_+_101513706_101513728	ATCATACAAGGACAATTTCTTTT	32385	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005218	14_+_101513706_101513729	ATCATACAAGGACAATTTCTTTTT	32386	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005219	14_+_101513706_101513730	ATCATACAAGGACAATTTCTTTTTG	32387	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005220	14_+_101513706_101513732	ATCATACAAGGACAATTTCTTTTTGAG	32388	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005221	14_+_101513708_101513725	CATACAAGGACAATTTCT	32389	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005222	14_+_101513708_101513728	CATACAAGGACAATTTCTTTT	32390	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005223	14_+_101513708_101513729	CATACAAGGACAATTTCTTTTT	32391	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005224	14_+_101513708_101513731	CATACAAGGACAATTTCTTTTTGA	32392	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005225	14_+_101513709_101513726	ATACAAGGACAATTTCTT	32393	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005226	14_+_101513709_101513729	ATACAAGGACAATTTCTTTTT	32394	hsa-miR-539-3p;Derives_from=MI0003514

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005227	14_+_101513709_101513730	ATACAAGGACAATTTCTTTTTG	32395	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005228	14_+_101513709_101513731	ATACAAGGACAATTTCTTTTTGA	32396	hsa-miR-539-3p;Derives_from=MI0003514
NovelMiR_KnownLoci_ID0005229	14_+_101514247_101514269	GAATGGCTGTCCGTAGTATGGTC	32397	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005230	14_+_101514247_101514271	GAATGGCTGTCCGTAGTATGGTCT C	32398	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005231	14_+_101514248_101514267	AATGGCTGTCCGTAGTATGG	32399	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005232	14_+_101514248_101514268	AATGGCTGTCCGTAGTATGGT	32400	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005233	14_+_101514248_101514270	AATGGCTGTCCGTAGTATGGTCT	32401	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005234	14_+_101514248_101514271	AATGGCTGTCCGTAGTATGGTCTC	32402	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005235	14_+_101514248_101514272	AATGGCTGTCCGTAGTATGGTCTC T	32403	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005236	14_+_101514249_101514271	ATGGCTGTCCGTAGTATGGTCTC	32404	hsa-miR-889-5p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005237	14_+_101514286_101514301	TTAATATCGGACAACC	32405	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005238	14_+_101514286_101514302	TTAATATCGGACAACCA	32406	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005239	14_+_101514286_101514303	TTAATATCGGACAACCAT	32407	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005240	14_+_101514286_101514304	TTAATATCGGACAACCATT	32408	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005241	14_+_101514286_101514305	TTAATATCGGACAACCATTG	32409	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005242	14_+_101514286_101514307	TTAATATCGGACAACCATTGTT	32410	hsa-miR-889-3p;Derives_from=MI0005540

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005243	14_+_101514286_101514308	TTAATATCGGACAACCATTGTTT	32411	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005244	14_+_101514286_101514309	TTAATATCGGACAACCATTGTTTT	32412	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005245	14_+_101514286_101514311	TTAATATCGGACAACCATTGTTTT AG	32413	hsa-miR-889-3p;Derives_from=MI0005540
NovelMiR_KnownLoci_ID0005246	14_+_101515043_101515062	ACCAAGATTCTGCATTTTTA	32414	hsa-miR-544a;Derives_from=MI0003515
NovelMiR_KnownLoci_ID0005247	14_+_101515043_101515064	ACCAAGATTCTGCATTTTTAGC	32415	hsa-miR-544a;Derives_from=MI0003515
NovelMiR_KnownLoci_ID0005248	14_+_101515049_101515069	ATTCTGCATTTTTAGCAAGTT	32416	hsa-miR-544a;Derives_from=MI0003515
NovelMiR_KnownLoci_ID0005249	14_+_101515049_101515074	ATTCTGCATTTTTAGCAAGTTCTC AA	32417	hsa-miR-544a;Derives_from=MI0003515
NovelMiR_KnownLoci_ID0005250	14_+_101515053_101515076	TGCATTTTTAGCAAGTTCTCAAGT	32418	hsa-miR-544a;Derives_from=MI0003515
NovelMiR_KnownLoci_ID0005251	14_+_101515909_101515926	AGAGGTTATCCGTGTTAT	32419	hsa-miR-655-5p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005252	14_+_101515909_101515928	AGAGGTTATCCGTGTTATGT	32420	hsa-miR-655-5p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005253	14_+_101515909_101515929	AGAGGTTATCCGTGTTATGTT	32421	hsa-miR-655-5p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005254	14_+_101515909_101515931	AGAGGTTATCCGTGTTATGTTCG	32422	hsa-miR-655-5p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005255	14_+_101515909_101515932	AGAGGTTATCCGTGTTATGTTCGC	32423	hsa-miR-655-5p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005256	14_+_101515945_101515962	GAATAATACATGGTTAAC	32424	hsa-miR-655-3p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005257	14_+_101515947_101515965	ATAATACATGGTTAACCTC	32425	hsa-miR-655-3p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005258	14_+_101515947_101515966	ATAATACATGGTTAACCTCT	32426	hsa-miR-655-3p;Derives_from=MI0003677

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005259	14_+_101515947_101515967	ATAATACATGGTTAACCTCTT	32427	hsa-miR-655-3p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005260	14_+_101515947_101515969	ATAATACATGGTTAACCTCTTTT	32428	hsa-miR-655-3p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005261	14_+_101515947_101515970	ATAATACATGGTTAACCTCTTTTT	32429	hsa-miR-655-3p;Derives_from=MI0003677
NovelMiR_KnownLoci_ID0005262	14_+_101518795_101518811	GTGGTTATCCCTGCTGT	32430	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005263	14_+_101518795_101518812	GTGGTTATCCCTGCTGTG	32431	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005264	14_+_101518795_101518813	GTGGTTATCCCTGCTGTGT	32432	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005265	14_+_101518795_101518814	GTGGTTATCCCTGCTGTGTT	32433	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005266	14_+_101518795_101518815	GTGGTTATCCCTGCTGTGTTC	32434	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005267	14_+_101518795_101518817	GTGGTTATCCCTGCTGTGTTCGC	32435	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005268	14_+_101518795_101518818	GTGGTTATCCCTGCTGTGTTCGCT	32436	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005269	14_+_101518795_101518819	GTGGTTATCCCTGCTGTGTTCGCTT	32437	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005270	14_+_101518795_101518820	GTGGTTATCCCTGCTGTGTTCGCTTA	32438	hsa-miR-487a-5p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005271	14_+_101518831_101518848	AATCATACAGGGACATCC	32439	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005272	14_+_101518831_101518849	AATCATACAGGGACATCCA	32440	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005273	14_+_101518831_101518850	AATCATACAGGGACATCCAG	32441	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005274	14_+_101518831_101518851	AATCATACAGGGACATCCAGT	32442	hsa-miR-487a-3p;Derives_from=MI0002471

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005275	14_+_101518831_101518853	AATCATACAGGGACATCCAGTTT	32443	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005276	14_+_101518831_101518854	AATCATACAGGGACATCCAGTTTT	32444	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005277	14_+_101518831_101518856	AATCATACAGGGACATCCAGTTTTTC	32445	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005278	14_+_101518831_101518858	AATCATACAGGGACATCCAGTTTTTCAG	32446	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005279	14_+_101518832_101518853	ATCATACAGGGACATCCAGTTT	32447	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005280	14_+_101518832_101518856	ATCATACAGGGACATCCAGTTTTTC	32448	hsa-miR-487a-3p;Derives_from=MI0002471
NovelMiR_KnownLoci_ID0005281	14_+_101520653_101520668	GAAGTTGTTCGTGGTG	32449	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005282	14_+_101520653_101520671	GAAGTTGTTCGTGGTGGAT	32450	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005283	14_+_101520653_101520672	GAAGTTGTTCGTGGTGGATT	32451	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005284	14_+_101520653_101520673	GAAGTTGTTCGTGGTGGATTC	32452	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005285	14_+_101520653_101520675	GAAGTTGTTCGTGGTGGATTCGC	32453	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005286	14_+_101520653_101520676	GAAGTTGTTCGTGGTGGATTCGCT	32454	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005287	14_+_101520653_101520677	GAAGTTGTTCGTGGTGGATTCGCTT	32455	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005288	14_+_101520654_101520671	AAGTTGTTCGTGGTGGAT	32456	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005289	14_+_101520654_101520674	AAGTTGTTCGTGGTGGATTCG	32457	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005290	14_+_101520654_101520676	AAGTTGTTCGTGGTGGATTCGCT	32458	hsa-miR-382-5p;Derives_from=MI0000790

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005291	14_+_101520655_101520672	AGTTGTTCGTGGTGGATT	32459	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005292	14_+_101520655_101520675	AGTTGTTCGTGGTGGATTCGC	32460	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005293	14_+_101520655_101520676	AGTTGTTCGTGGTGGATTCGCT	32461	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005294	14_+_101520655_101520680	AGTTGTTCGTGGTGGATTCGCTTTAC	32462	hsa-miR-382-5p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005295	14_+_101520687_101520708	CGAATCATTCACGGACAACACT	32463	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005296	14_+_101520687_101520709	CGAATCATTCACGGACAACACTT	32464	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005297	14_+_101520689_101520704	AATCATTCACGGACAA	32465	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005298	14_+_101520689_101520706	AATCATTCACGGACAACA	32466	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005299	14_+_101520689_101520707	AATCATTCACGGACAACAC	32467	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005300	14_+_101520689_101520708	AATCATTCACGGACAACACT	32468	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005301	14_+_101520689_101520710	AATCATTCACGGACAACACTTT	32469	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005302	14_+_101520689_101520711	AATCATTCACGGACAACACTTTT	32470	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005303	14_+_101520689_101520712	AATCATTCACGGACAACACTTTTT	32471	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005304	14_+_101520689_101520714	AATCATTCACGGACAACACTTTTTTC	32472	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005305	14_+_101520689_101520715	AATCATTCACGGACAACACTTTTTTCA	32473	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005306	14_+_101520690_101520708	ATCATTCACGGACAACACT	32474	hsa-miR-382-3p;Derives_from=MI0000790

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005307	14_+_101520690_101520710	ATCATTCACGGACAACACTTT	32475	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005308	14_+_101520691_101520712	TCATTCACGGACAACACTTTTT	32476	hsa-miR-382-3p;Derives_from=MI0000790
NovelMiR_KnownLoci_ID0005309	14_+_101521031_101521047	TGTGACTGGTTGACCAG	32477	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005310	14_+_101521031_101521048	TGTGACTGGTTGACCAGA	32478	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005311	14_+_101521031_101521049	TGTGACTGGTTGACCAGAG	32479	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005312	14_+_101521031_101521050	TGTGACTGGTTGACCAGAGG	32480	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005313	14_+_101521031_101521051	TGTGACTGGTTGACCAGAGGG	32481	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005314	14_+_101521031_101521053	TGTGACTGGTTGACCAGAGGGGC	32482	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005315	14_+_101521031_101521054	TGTGACTGGTTGACCAGAGGGGCA	32483	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005316	14_+_101521031_101521055	TGTGACTGGTTGACCAGAGGGGCAT	32484	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005317	14_+_101521031_101521056	TGTGACTGGTTGACCAGAGGGGCATG	32485	hsa-miR-134-5p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005318	14_+_101521069_101521090	CCTGTGGGCCACCTAGTCACCA	32486	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005319	14_+_101521069_101521092	CCTGTGGGCCACCTAGTCACCAAC	32487	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005320	14_+_101521070_101521089	CTGTGGGCCACCTAGTCACC	32488	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005321	14_+_101521070_101521090	CTGTGGGCCACCTAGTCACCA	32489	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005322	14_+_101521070_101521091	CTGTGGGCCACCTAGTCACCAA	32490	hsa-miR-134-3p;Derives_from=MI0000474

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005323	14_+_101521070_101521092	CTGTGGGCCACCTAGTCACCAAC	32491	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005324	14_+_101521070_101521093	CTGTGGGCCACCTAGTCACCAACC	32492	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005325	14_+_101521071_101521090	TGTGGGCCACCTAGTCACCA	32493	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005326	14_+_101521071_101521092	TGTGGGCCACCTAGTCACCAAC	32494	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005327	14_+_101521071_101521093	TGTGGGCCACCTAGTCACCAACC	32495	hsa-miR-134-3p;Derives_from=MI0000474
NovelMiR_KnownLoci_ID0005328	14_+_101521596_101521615	GTAAGTGCGCCTCGGGTGAG	32496	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005329	14_+_101521596_101521617	GTAAGTGCGCCTCGGGTGAGCA	32497	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005330	14_+_101521596_101521618	GTAAGTGCGCCTCGGGTGAGCAT	32498	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005331	14_+_101521596_101521619	GTAAGTGCGCCTCGGGTGAGCATG	32499	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005332	14_+_101521596_101521620	GTAAGTGCGCCTCGGGTGAGCATGC	32500	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005333	14_+_101521597_101521620	TAAGTGCGCCTCGGGTGAGCATGC	32501	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005334	14_+_101521599_101521620	AGTGCGCCTCGGGTGAGCATGC	32502	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005335	14_+_101521599_101521622	AGTGCGCCTCGGGTGAGCATGCAC	32503	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005336	14_+_101521602_101521617	GCGCCTCGGGTGAGCA	32504	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005337	14_+_101521602_101521625	GCGCCTCGGGTGAGCATGCACTTA	32505	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005338	14_+_101521603_101521624	CGCCTCGGGTGAGCATGCACTT	32506	hsa-miR-668-5p;Derives_from=MI0003761

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005339	14_+_101521603_101521625	CGCCTCGGGTGAGCATGCACTTA	32507	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005340	14_+_101521609_101521625	GGGTGAGCATGCACTTA	32508	hsa-miR-668-5p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005341	14_+_101521631_101521646	GGTGTATGTCACTCGG	32509	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005342	14_+_101521635_101521654	TATGTCACTCGGCTCGGCCC	32510	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005343	14_+_101521635_101521655	TATGTCACTCGGCTCGGCCCA	32511	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005344	14_+_101521635_101521657	TATGTCACTCGGCTCGGCCCACT	32512	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005345	14_+_101521635_101521660	TATGTCACTCGGCTCGGCCCACTACC	32513	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005346	14_+_101521636_101521656	ATGTCACTCGGCTCGGCCCAC	32514	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005347	14_+_101521636_101521657	ATGTCACTCGGCTCGGCCCACT	32515	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005348	14_+_101521636_101521658	ATGTCACTCGGCTCGGCCCACTA	32516	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005349	14_+_101521636_101521659	ATGTCACTCGGCTCGGCCCACTAC	32517	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005350	14_+_101521636_101521660	ATGTCACTCGGCTCGGCCCACTACC	32518	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005351	14_+_101521637_101521654	TGTCACTCGGCTCGGCCC	32519	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005352	14_+_101521637_101521657	TGTCACTCGGCTCGGCCCACT	32520	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005353	14_+_101521637_101521658	TGTCACTCGGCTCGGCCCACTA	32521	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005354	14_+_101521637_101521660	TGTCACTCGGCTCGGCCCACTACC	32522	hsa-miR-668-3p;Derives_from=MI0003761

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005355	14_+_101521637_101521661	TGTCACTCGGCTCGGCCCACTACCC	32523	hsa-miR-668-3p;Derives_from=MI0003761
NovelMiR_KnownLoci_ID0005356	14_+_101521764_101521780	AGAGGCTGGCCGTGATG	32524	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005357	14_+_101521764_101521781	AGAGGCTGGCCGTGATGA	32525	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005358	14_+_101521764_101521782	AGAGGCTGGCCGTGATGAA	32526	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005359	14_+_101521764_101521783	AGAGGCTGGCCGTGATGAAT	32527	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005360	14_+_101521764_101521784	AGAGGCTGGCCGTGATGAATT	32528	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005361	14_+_101521764_101521786	AGAGGCTGGCCGTGATGAATTCG	32529	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005362	14_+_101521764_101521787	AGAGGCTGGCCGTGATGAATTCGA	32530	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005363	14_+_101521764_101521788	AGAGGCTGGCCGTGATGAATTCGAT	32531	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005364	14_+_101521764_101521789	AGAGGCTGGCCGTGATGAATTCGATT	32532	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005365	14_+_101521764_101521790	AGAGGCTGGCCGTGATGAATTCGATTC	32533	hsa-miR-485-5p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005366	14_+_101521799_101521822	GAGTCATACACGGCTCTCCTCTCT	32534	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005367	14_+_101521800_101521818	AGTCATACACGGCTCTCCT	32535	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005368	14_+_101521800_101521820	AGTCATACACGGCTCTCCTCT	32536	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005369	14_+_101521800_101521821	AGTCATACACGGCTCTCCTCTC	32537	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005370	14_+_101521800_101521822	AGTCATACACGGCTCTCCTCTCT	32538	hsa-miR-485-3p;Derives_from=MI0002469

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005371	14_+_101521800_101521823	AGTCATACACGGCTCTCCTCTCTT	32539	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005372	14_+_101521800_101521825	AGTCATACACGGCTCTCCTCTCTTTT	32540	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005373	14_+_101521801_101521817	GTCATACACGGCTCTCC	32541	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005374	14_+_101521801_101521818	GTCATACACGGCTCTCCT	32542	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005375	14_+_101521801_101521819	GTCATACACGGCTCTCCTC	32543	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005376	14_+_101521801_101521820	GTCATACACGGCTCTCCTCT	32544	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005377	14_+_101521801_101521821	GTCATACACGGCTCTCCTCTC	32545	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005378	14_+_101521801_101521823	GTCATACACGGCTCTCCTCTCTT	32546	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005379	14_+_101521801_101521824	GTCATACACGGCTCTCCTCTCTTT	32547	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005380	14_+_101521801_101521827	GTCATACACGGCTCTCCTCTCTTTTAG	32548	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005381	14_+_101521803_101521824	CATACACGGCTCTCCTCTCTTT	32549	hsa-miR-485-3p;Derives_from=MI0002469
NovelMiR_KnownLoci_ID0005382	14_+_101522569_101522590	GAGGTTGTCCGTGGTGAGTTCG	32550	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005383	14_+_101522570_101522586	AGGTTGTCCGTGGTGAG	32551	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005384	14_+_101522570_101522587	AGGTTGTCCGTGGTGAGT	32552	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005385	14_+_101522570_101522588	AGGTTGTCCGTGGTGAGTT	32553	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005386	14_+_101522570_101522590	AGGTTGTCCGTGGTGAGTTCG	32554	hsa-miR-323b-5p;Derives_from=MI0014206

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005387	14_+_101522570_101522591	AGGTTGTCCGTGGTGAGTTCGC	32555	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005388	14_+_101522570_101522593	AGGTTGTCCGTGGTGAGTTCGCAT	32556	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005389	14_+_101522570_101522594	AGGTTGTCCGTGGTGAGTTCGCAT T	32557	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005390	14_+_101522570_101522595	AGGTTGTCCGTGGTGAGTTCGCAT TA	32558	hsa-miR-323b-5p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005391	14_+_101522606_101522621	CCCAATACACGGTCGA	32559	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005392	14_+_101522606_101522622	CCCAATACACGGTCGAC	32560	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005393	14_+_101522606_101522623	CCCAATACACGGTCGACC	32561	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005394	14_+_101522606_101522624	CCCAATACACGGTCGACCT	32562	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005395	14_+_101522606_101522625	CCCAATACACGGTCGACCTC	32563	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005396	14_+_101522606_101522626	CCCAATACACGGTCGACCTCT	32564	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005397	14_+_101522606_101522628	CCCAATACACGGTCGACCTCTTT	32565	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005398	14_+_101522606_101522630	CCCAATACACGGTCGACCTCTTTT C	32566	hsa-miR-323b-3p;Derives_from=MI0014206
NovelMiR_KnownLoci_ID0005399	14_+_101526105_101526127	ATAGGTTATCCGTGTTGCCTTCG	32567	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005400	14_+_101526106_101526122	TAGGTTATCCGTGTTGC	32568	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005401	14_+_101526106_101526124	TAGGTTATCCGTGTTGCCT	32569	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005402	14_+_101526106_101526125	TAGGTTATCCGTGTTGCCTT	32570	hsa-miR-154-5p;Derives_from=MI0000480

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005403	14_+_101526106_101526126	TAGGTTATCCGTGTTGCCTTC	32571	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005404	14_+_101526106_101526128	TAGGTTATCCGTGTTGCCTTCGC	32572	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005405	14_+_101526106_101526129	TAGGTTATCCGTGTTGCCTTCGCT	32573	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005406	14_+_101526109_101526124	GTTATCCGTGTTGCCT	32574	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005407	14_+_101526109_101526125	GTTATCCGTGTTGCCTT	32575	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005408	14_+_101526109_101526126	GTTATCCGTGTTGCCTTC	32576	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005409	14_+_101526109_101526127	GTTATCCGTGTTGCCTTCG	32577	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005410	14_+_101526109_101526128	GTTATCCGTGTTGCCTTCGC	32578	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005411	14_+_101526109_101526129	GTTATCCGTGTTGCCTTCGCT	32579	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005412	14_+_101526109_101526130	GTTATCCGTGTTGCCTTCGCTT	32580	hsa-miR-154-5p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005413	14_+_101526142_101526158	AATCATACACGGTTGAC	32581	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005414	14_+_101526142_101526159	AATCATACACGGTTGACC	32582	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005415	14_+_101526142_101526161	AATCATACACGGTTGACCTA	32583	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005416	14_+_101526142_101526162	AATCATACACGGTTGACCTAT	32584	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005417	14_+_101526142_101526164	AATCATACACGGTTGACCTATTT	32585	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005418	14_+_101526142_101526165	AATCATACACGGTTGACCTATTTT	32586	hsa-miR-154-3p;Derives_from=MI0000480

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005419	14_+_101526142_101526167	AATCATACACGGTTGACCTATTTTTC	32587	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005420	14_+_101526143_101526163	ATCATACACGGTTGACCTATT	32588	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005421	14_+_101526146_101526163	ATACACGGTTGACCTATT	32589	hsa-miR-154-3p;Derives_from=MI0000480
NovelMiR_KnownLoci_ID0005422	14_+_101526965_101526981	TGAGTATTACATGGCCA	32590	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005423	14_+_101526965_101526984	TGAGTATTACATGGCCAATC	32591	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005424	14_+_101526965_101526985	TGAGTATTACATGGCCAATCT	32592	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005425	14_+_101526965_101526987	TGAGTATTACATGGCCAATCTCC	32593	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005426	14_+_101526965_101526988	TGAGTATTACATGGCCAATCTCCT	32594	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005427	14_+_101526967_101526984	AGTATTACATGGCCAATC	32595	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005428	14_+_101526967_101526986	AGTATTACATGGCCAATCTC	32596	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005429	14_+_101526967_101526987	AGTATTACATGGCCAATCTCC	32597	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005430	14_+_101526967_101526988	AGTATTACATGGCCAATCTCCT	32598	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005431	14_+_101526967_101526989	AGTATTACATGGCCAATCTCCTT	32599	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005432	14_+_101526967_101526991	AGTATTACATGGCCAATCTCCTTTC	32600	hsa-miR-496;Derives_from=MI0003136
NovelMiR_KnownLoci_ID0005433	14_+_101528393_101528409	AGAGGTTGCCCTTGGTG	32601	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005434	14_+_101528393_101528410	AGAGGTTGCCCTTGGTGA	32602	hsa-miR-377-5p;Derives_from=MI0000785

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005435	14_+_101528393_101528411	AGAGGTTGCCCTTGGTGAA	32603	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005436	14_+_101528393_101528412	AGAGGTTGCCCTTGGTGAAT	32604	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005437	14_+_101528393_101528413	AGAGGTTGCCCTTGGTGAATT	32605	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005438	14_+_101528393_101528415	AGAGGTTGCCCTTGGTGAATTCG	32606	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005439	14_+_101528393_101528417	AGAGGTTGCCCTTGGTGAATTCGCT	32607	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005440	14_+_101528393_101528418	AGAGGTTGCCCTTGGTGAATTCGCTT	32608	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005441	14_+_101528394_101528415	GAGGTTGCCCTTGGTGAATTCG	32609	hsa-miR-377-5p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005442	14_+_101528430_101528448	AATCACACAAAGGCAACTT	32610	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005443	14_+_101528430_101528450	AATCACACAAAGGCAACTTTT	32611	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005444	14_+_101528430_101528451	AATCACACAAAGGCAACTTTTG	32612	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005445	14_+_101528430_101528452	AATCACACAAAGGCAACTTTTGT	32613	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005446	14_+_101528430_101528454	AATCACACAAAGGCAACTTTTGTTT	32614	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005447	14_+_101528431_101528446	ATCACACAAAGGCAAC	32615	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005448	14_+_101528431_101528447	ATCACACAAAGGCAACT	32616	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005449	14_+_101528431_101528448	ATCACACAAAGGCAACTT	32617	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005450	14_+_101528431_101528449	ATCACACAAAGGCAACTTT	32618	hsa-miR-377-3p;Derives_from=MI0000785

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005451	14_+_101528431_101528450	ATCACACAAAGGCAACTTTT	32619	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005452	14_+_101528431_101528451	ATCACACAAAGGCAACTTTTG	32620	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005453	14_+_101528431_101528453	ATCACACAAAGGCAACTTTTGTT	32621	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005454	14_+_101528431_101528454	ATCACACAAAGGCAACTTTTGTTT	32622	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005455	14_+_101528431_101528457	ATCACACAAAGGCAACTTTTGTTT GAG	32623	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005456	14_+_101528433_101528452	CACACAAAGGCAACTTTTGT	32624	hsa-miR-377-3p;Derives_from=MI0000785
NovelMiR_KnownLoci_ID0005457	14_+_101530841_101530857	AAAGGATTCTGCTGTCG	32625	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005458	14_+_101530841_101530858	AAAGGATTCTGCTGTCGG	32626	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005459	14_+_101530841_101530859	AAAGGATTCTGCTGTCGGT	32627	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005460	14_+_101530841_101530860	AAAGGATTCTGCTGTCGGTC	32628	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005461	14_+_101530841_101530861	AAAGGATTCTGCTGTCGGTCC	32629	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005462	14_+_101530841_101530862	AAAGGATTCTGCTGTCGGTCCC	32630	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005463	14_+_101530841_101530863	AAAGGATTCTGCTGTCGGTCCCA	32631	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005464	14_+_101530841_101530864	AAAGGATTCTGCTGTCGGTCCCAC	32632	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005465	14_+_101530841_101530866	AAAGGATTCTGCTGTCGGTCCCAC TC	32633	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005466	14_+_101530841_101530867	AAAGGATTCTGCTGTCGGTCCCAC TCC	32634	hsa-miR-541-5p;Derives_from=MI0005539

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005467	14_+_101530841_101530868	AAAGGATTCTGCTGTCGGTCCCAC TCCA	32635	hsa-miR-541-5p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005468	14_+_101530883_101530904	GGTGGTGGGCACAGAATCTGGA	32636	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005469	14_+_101530883_101530906	GGTGGTGGGCACAGAATCTGGACT	32637	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005470	14_+_101530884_101530904	GTGGTGGGCACAGAATCTGGA	32638	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005471	14_+_101530885_101530904	TGGTGGGCACAGAATCTGGA	32639	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005472	14_+_101530885_101530905	TGGTGGGCACAGAATCTGGAC	32640	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005473	14_+_101530885_101530907	TGGTGGGCACAGAATCTGGACTC	32641	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005474	14_+_101530887_101530906	GTGGGCACAGAATCTGGACT	32642	hsa-miR-541-3p;Derives_from=MI0005539
NovelMiR_KnownLoci_ID0005475	14_+_101531651_101531668	AGGTTACCCGAGCAACTT	32643	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005476	14_+_101531651_101531669	AGGTTACCCGAGCAACTTT	32644	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005477	14_+_101531651_101531670	AGGTTACCCGAGCAACTTTG	32645	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005478	14_+_101531651_101531671	AGGTTACCCGAGCAACTTTGC	32646	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005479	14_+_101531651_101531672	AGGTTACCCGAGCAACTTTGCA	32647	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005480	14_+_101531651_101531674	AGGTTACCCGAGCAACTTTGCATC	32648	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005481	14_+_101531651_101531675	AGGTTACCCGAGCAACTTTGCATC T	32649	hsa-miR-409-5p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005482	14_+_101531651_101531677	AGGTTACCCGAGCAACTTTGCATC TGG	32650	hsa-miR-409-5p;Derives_from=MI0001735

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005483	14_+_101531682_101531699	CGAATGTTGCTCGGTGAA	32651	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005484	14_+_101531682_101531701	CGAATGTTGCTCGGTGAACC	32652	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005485	14_+_101531682_101531703	CGAATGTTGCTCGGTGAACCCC	32653	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005486	14_+_101531682_101531704	CGAATGTTGCTCGGTGAACCCCT	32654	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005487	14_+_101531682_101531705	CGAATGTTGCTCGGTGAACCCCTT	32655	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005488	14_+_101531682_101531706	CGAATGTTGCTCGGTGAACCCCTT T	32656	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005489	14_+_101531682_101531708	CGAATGTTGCTCGGTGAACCCCTT TTC	32657	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005490	14_+_101531682_101531709	CGAATGTTGCTCGGTGAACCCCTT TTCG	32658	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005491	14_+_101531683_101531698	GAATGTTGCTCGGTGA	32659	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005492	14_+_101531683_101531699	GAATGTTGCTCGGTGAA	32660	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005493	14_+_101531683_101531700	GAATGTTGCTCGGTGAAC	32661	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005494	14_+_101531683_101531701	GAATGTTGCTCGGTGAACC	32662	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005495	14_+_101531683_101531702	GAATGTTGCTCGGTGAACCC	32663	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005496	14_+_101531683_101531703	GAATGTTGCTCGGTGAACCCC	32664	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005497	14_+_101531683_101531705	GAATGTTGCTCGGTGAACCCCTT	32665	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005498	14_+_101531683_101531706	GAATGTTGCTCGGTGAACCCCTTT	32666	hsa-miR-409-3p;Derives_from=MI0001735

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005499	14_+_101531683_101531708	GAATGTTGCTCGGTGAACCCCTTTC	32667	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005500	14_+_101531683_101531709	GAATGTTGCTCGGTGAACCCCTTTTCG	32668	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005501	14_+_101531684_101531704	AATGTTGCTCGGTGAACCCCT	32669	hsa-miR-409-3p;Derives_from=MI0001735
NovelMiR_KnownLoci_ID0005502	14_+_101531800_101531825	GATGGTCGACCAGTTGGAAAGTAATT	32670	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005503	14_+_101531801_101531821	ATGGTCGACCAGTTGGAAAGT	32671	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005504	14_+_101531801_101531824	ATGGTCGACCAGTTGGAAAGTAAT	32672	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005505	14_+_101531802_101531817	TGGTCGACCAGTTGGA	32673	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005506	14_+_101531802_101531820	TGGTCGACCAGTTGGAAAG	32674	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005507	14_+_101531802_101531821	TGGTCGACCAGTTGGAAAGT	32675	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005508	14_+_101531802_101531822	TGGTCGACCAGTTGGAAAGTA	32676	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005509	14_+_101531802_101531823	TGGTCGACCAGTTGGAAAGTAA	32677	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005510	14_+_101531802_101531825	TGGTCGACCAGTTGGAAAGTAATT	32678	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005511	14_+_101531802_101531826	TGGTCGACCAGTTGGAAAGTAATTG	32679	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005512	14_+_101531802_101531829	TGGTCGACCAGTTGGAAAGTAATTGTTT	32680	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005513	14_+_101531803_101531824	GGTCGACCAGTTGGAAAGTAAT	32681	hsa-miR-412-5p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005514	14_+_101531805_101531821	TCGACCAGTTGGAAAGT	32682	hsa-miR-412-5p;Derives_from=MI0002464

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005515	14_+_101531834_101531856	TGTACTTCACCTGGTCCACTAGC	32683	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005516	14_+_101531835_101531854	GTACTTCACCTGGTCCACTA	32684	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005517	14_+_101531835_101531855	GTACTTCACCTGGTCCACTAG	32685	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005518	14_+_101531835_101531856	GTACTTCACCTGGTCCACTAGC	32686	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005519	14_+_101531835_101531857	GTACTTCACCTGGTCCACTAGCC	32687	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005520	14_+_101531836_101531856	TACTTCACCTGGTCCACTAGC	32688	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005521	14_+_101531836_101531857	TACTTCACCTGGTCCACTAGCC	32689	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005522	14_+_101531837_101531857	ACTTCACCTGGTCCACTAGCC	32690	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005523	14_+_101531838_101531857	CTTCACCTGGTCCACTAGCC	32691	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005524	14_+_101531838_101531858	CTTCACCTGGTCCACTAGCCG	32692	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005525	14_+_101531838_101531859	CTTCACCTGGTCCACTAGCCGT	32693	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005526	14_+_101531838_101531860	CTTCACCTGGTCCACTAGCCGTC	32694	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005527	14_+_101531839_101531855	TTCACCTGGTCCACTAG	32695	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005528	14_+_101531839_101531856	TTCACCTGGTCCACTAGC	32696	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005529	14_+_101531839_101531858	TTCACCTGGTCCACTAGCCG	32697	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005530	14_+_101531839_101531859	TTCACCTGGTCCACTAGCCGT	32698	hsa-miR-412-3p;Derives_from=MI0002464

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005531	14_+_101531839_101531863	TTCACCTGGTCCACTAGCCGTCCGT	32699	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005532	14_+_101531842_101531862	ACCTGGTCCACTAGCCGTCCG	32700	hsa-miR-412-3p;Derives_from=MI0002464
NovelMiR_KnownLoci_ID0005533	14_+_101531943_101531960	AGATCGACCGTGTTATAT	32701	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005534	14_+_101531943_101531961	AGATCGACCGTGTTATATT	32702	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005535	14_+_101531943_101531962	AGATCGACCGTGTTATATTC	32703	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005536	14_+_101531943_101531963	AGATCGACCGTGTTATATTCG	32704	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005537	14_+_101531943_101531965	AGATCGACCGTGTTATATTCGCT	32705	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005538	14_+_101531943_101531967	AGATCGACCGTGTTATATTCGCTTT	32706	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005539	14_+_101531948_101531963	GACCGTGTTATATTCG	32707	hsa-miR-369-5p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005540	14_+_101531977_101531994	GAATAATACATGGTTGAT	32708	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005541	14_+_101531977_101531996	GAATAATACATGGTTGATCT	32709	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005542	14_+_101531977_101531997	GAATAATACATGGTTGATCTT	32710	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005543	14_+_101531977_101531998	GAATAATACATGGTTGATCTTT	32711	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005544	14_+_101531977_101531999	GAATAATACATGGTTGATCTTTT	32712	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005545	14_+_101531978_101531995	AATAATACATGGTTGATC	32713	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005546	14_+_101531978_101531996	AATAATACATGGTTGATCT	32714	hsa-miR-369-3p;Derives_from=MI0000777

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005547	14_+_101531978_101531997	AATAATACATGGTTGATCTT	32715	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005548	14_+_101531978_101531999	AATAATACATGGTTGATCTTTT	32716	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005549	14_+_101531978_101532000	AATAATACATGGTTGATCTTTTC	32717	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005550	14_+_101531978_101532001	AATAATACATGGTTGATCTTTTCT	32718	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005551	14_+_101531978_101532002	AATAATACATGGTTGATCTTTTCT C	32719	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005552	14_+_101531978_101532003	AATAATACATGGTTGATCTTTTCT CA	32720	hsa-miR-369-3p;Derives_from=MI0000777
NovelMiR_KnownLoci_ID0005553	14_+_101532261_101532282	GAGGTTGTCTGTGATGAGTTCG	32721	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005554	14_+_101532261_101532283	GAGGTTGTCTGTGATGAGTTCGC	32722	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005555	14_+_101532262_101532280	AGGTTGTCTGTGATGAGTT	32723	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005556	14_+_101532262_101532283	AGGTTGTCTGTGATGAGTTCGC	32724	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005557	14_+_101532262_101532284	AGGTTGTCTGTGATGAGTTCGCT	32725	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005558	14_+_101532262_101532285	AGGTTGTCTGTGATGAGTTCGCTT	32726	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005559	14_+_101532262_101532286	AGGTTGTCTGTGATGAGTTCGCTT T	32727	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005560	14_+_101532267_101532288	GTCTGTGATGAGTTCGCTTTTA	32728	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005561	14_+_101532272_101532288	TGATGAGTTCGCTTTTA	32729	hsa-miR-410-5p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005562	14_+_101532298_101532315	AATATAACACAGATGGCC	32730	hsa-miR-410-3p;Derives_from=MI0002465

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005563	14_+_101532298_101532316	AATATAACACAGATGGCCT	32731	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005564	14_+_101532298_101532317	AATATAACACAGATGGCCTG	32732	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005565	14_+_101532298_101532319	AATATAACACAGATGGCCTGTT	32733	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005566	14_+_101532298_101532320	AATATAACACAGATGGCCTGTTT	32734	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005567	14_+_101532298_101532321	AATATAACACAGATGGCCTGTTTT	32735	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005568	14_+_101532298_101532322	AATATAACACAGATGGCCTGTTTTC	32736	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005569	14_+_101532299_101532317	ATATAACACAGATGGCCTG	32737	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005570	14_+_101532299_101532318	ATATAACACAGATGGCCTGT	32738	hsa-miR-410-3p;Derives_from=MI0002465
NovelMiR_KnownLoci_ID0005571	14_+_101533068_101533086	AGGTTGCCTGTGAGGTGTT	32739	hsa-miR-656-5p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005572	14_+_101533068_101533087	AGGTTGCCTGTGAGGTGTTC	32740	hsa-miR-656-5p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005573	14_+_101533068_101533089	AGGTTGCCTGTGAGGTGTTCAC	32741	hsa-miR-656-5p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005574	14_+_101533103_101533120	AATATTATACAGTCAACC	32742	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005575	14_+_101533103_101533121	AATATTATACAGTCAACCT	32743	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005576	14_+_101533103_101533122	AATATTATACAGTCAACCTC	32744	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005577	14_+_101533103_101533124	AATATTATACAGTCAACCTCTT	32745	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005578	14_+_101533103_101533125	AATATTATACAGTCAACCTCTTT	32746	hsa-miR-656-3p;Derives_from=MI0003678

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005579	14_+_101533103_101533126	AATATTATACAGTCAACCTCTTTC	32747	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005580	14_+_101533103_101533127	AATATTATACAGTCAACCTCTTTCC	32748	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005581	14_+_101533103_101533128	AATATTATACAGTCAACCTCTTTCCG	32749	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005582	14_+_101533104_101533123	ATATTATACAGTCAACCTCT	32750	hsa-miR-656-3p;Derives_from=MI0003678
NovelMiR_KnownLoci_ID0005583	14_-_102026657_102026679	AACGTCGAGACTGGAGCGCCCGA	32751	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005584	14_-_102026657_102026680	GAACGTCGAGACTGGAGCGCCCGA	32752	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005585	14_-_102026658_102026679	AACGTCGAGACTGGAGCGCCCG	32753	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005586	14_-_102026661_102026683	CGCGAACGTCGAGACTGGAGCGC	32754	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005587	14_-_102026662_102026683	CGGGAACGTCGAGACTGGAGCG	32755	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005588	14_-_102026663_102026682	GGGAACGTCGAGACTGGAGC	32756	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005589	14_-_102026663_102026683	CGGGAACGTCGAGACTGGAGC	32757	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005590	14_-_102026663_102026684	CCGGGAACGTCGAGACTGGAGC	32758	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005591	14_-_102026663_102026687	ACCCCGGGAACGTCGAGACTGGAGC	32759	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005592	14_-_102026664_102026683	CGGGAACGTCGAGACTGGAG	32760	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005593	14_-_102026664_102026684	CCGGGAACGTCGAGACTGGAG	32761	hsa-miR-1247-3p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005594	14_-_102026665_102026683	CGGGAACGTCGAGACTGGA	32762	hsa-miR-1247-3p;Derives_from=MI0006382

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005595	14_-_102026696_102026720	ACCCGTCCCGTTCGTCCCCGGACGT	32763	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005596	14_-_102026697_102026720	ACCCGTCCCGTTCGTCCCCGGACG	32764	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005597	14_-_102026698_102026719	CCCGTCCCGTTCGTCCCCGGAC	32765	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005598	14_-_102026698_102026720	ACCCGTCCCGTTCGTCCCCGGAC	32766	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005599	14_-_102026699_102026719	CCCGTCCCGTTCGTCCCCGGA	32767	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005600	14_-_102026700_102026720	ACCCGTCCCGTTCGTCCCCGG	32768	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005601	14_-_102026701_102026720	ACCCGTCCCGTTCGTCCCCG	32769	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005602	14_-_102026702_102026720	ACCCGTCCCGTTCGTCCCC	32770	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005603	14_-_102026703_102026720	ACCCGTCCCGTTCGTCCC	32771	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005604	14_-_102026705_102026720	ACCCGTCCCGTTCGTC	32772	hsa-miR-1247-5p;Derives_from=MI0006382
NovelMiR_KnownLoci_ID0005605	14_+_103005988_103006006	CTTCTGGAGTCTAGGATTC	32773	hsa-miR-4309;Derives_from=MI0015837
NovelMiR_KnownLoci_ID0005606	14_-_104583762_104583784	AACTGTTAAGAACCACTGGACCC	32774	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005607	14_-_104583763_104583784	AACTGTTAAGAACCACTGGACC	32775	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005608	14_-_104583763_104583786	TGAACTGTTAAGAACCACTGGACC	32776	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005609	14_-_104583763_104583787	TTGAACTGTTAAGAACCACTGGAC	32777	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005610	14_-_104583764_104583784	AACTGTTAAGAACCACTGGAC	32778	hsa-miR-203b-3p;Derives_from=MI0017343

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005611	14_-_104583764_104583786	TGAACTGTTAAGAACCACTGGAC	32779	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005612	14_-_104583764_104583787	TTGAACTGTTAAGAACCACTGGAC	32780	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005613	14_-_104583765_104583786	TGAACTGTTAAGAACCACTGGA	32781	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005614	14_-_104583766_104583786	TGAACTGTTAAGAACCACTGG	32782	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005615	14_-_104583766_104583787	TTGAACTGTTAAGAACCACTGG	32783	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005616	14_-_104583767_104583787	TTGAACTGTTAAGAACCACTG	32784	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005617	14_-_104583768_104583787	TTGAACTGTTAAGAACCACT	32785	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005618	14_-_104583769_104583787	TTGAACTGTTAAGAACCAC	32786	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005619	14_-_104583771_104583787	TTGAACTGTTAAGAACC	32787	hsa-miR-203b-3p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005620	14_-_104583799_104583814	ACATTTCACAATTGCG	32788	hsa-miR-203b-5p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005621	14_-_104583800_104583826	TAGTGGTCCTAAACATTTCACAATTGC	32789	hsa-miR-203b-5p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005622	14_-_104583802_104583825	AGTGGTCCTAAACATTTCACAATT	32790	hsa-miR-203b-5p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005623	14_-_104583804_104583826	TAGTGGTCCTAAACATTTCACAA	32791	hsa-miR-203b-5p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005624	14_-_104583806_104583824	GTGGTCCTAAACATTTCAC	32792	hsa-miR-203b-5p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005625	14_+_104583806_104583825	GTGAAATGTTTAGGACCACT	32793	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005626	14_+_104583806_104583826	GTGAAATGTTTAGGACCACTA	32794	hsa-miR-203a;Derives_from=MI0000283

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005627	14_+_104583806_104583828	GTGAAATGTTTAGGACCACTAGA	32795	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005628	14_+_104583806_104583829	GTGAAATGTTTAGGACCACTAGAC	32796	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005629	14_+_104583806_104583830	GTGAAATGTTTAGGACCACTAGACC	32797	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005630	14_+_104583807_104583825	TGAAATGTTTAGGACCACT	32798	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005631	14_+_104583807_104583826	TGAAATGTTTAGGACCACTA	32799	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005632	14_+_104583807_104583827	TGAAATGTTTAGGACCACTAG	32800	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005633	14_+_104583807_104583828	TGAAATGTTTAGGACCACTAGA	32801	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005634	14_+_104583807_104583830	TGAAATGTTTAGGACCACTAGACC	32802	hsa-miR-203a;Derives_from=MI0000283
NovelMiR_KnownLoci_ID0005635	14_-_104583810_104583826	TAGTGGTCCTAAACATT	32803	hsa-miR-203b-5p;Derives_from=MI0017343
NovelMiR_KnownLoci_ID0005636	14_-_105144056_105144077	GGGTGAGGGCAGGTGGTTCTTC	32804	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005637	14_-_105144058_105144076	GGTGAGGGCAGGTGGTTCT	32805	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005638	14_-_105144058_105144077	GGGTGAGGGCAGGTGGTTCT	32806	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005639	14_-_105144059_105144077	GGGTGAGGGCAGGTGGTTC	32807	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005640	14_-_105144059_105144083	CGAGTGGGGTGAGGGCAGGTGGTTC	32808	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005641	14_-_105144060_105144076	GGTGAGGGCAGGTGGTT	32809	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005642	14_-_105144060_105144081	AGTGGGGTGAGGGCAGGTGGTT	32810	hsa-miR-4710;Derives_from=MI0017344

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005643	14_-_105144061_105144081	AGTGGGGGTGAGGGCAGGTGGT	32811	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005644	14_-_105144063_105144082	GAGTGGGGTGAGGGCAGGTG	32812	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005645	14_-_105144068_105144083	CGAGTGGGGTGAGGGC	32813	hsa-miR-4710;Derives_from=MI0017344
NovelMiR_KnownLoci_ID0005646	14_-_105617112_105617135	TCACCTGGCTGGCCCGCCCAGGAC	32814	hsa-miR-6765-3p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005647	14_-_105617113_105617135	TCACCTGGCTGGCCCGCCCAGGA	32815	hsa-miR-6765-3p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005648	14_-_105617114_105617135	TCACCTGGCTGGCCCGCCCAGG	32816	hsa-miR-6765-3p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005649	14_-_105617115_105617136	CTCACCTGGCTGGCCCGCCCAG	32817	hsa-miR-6765-3p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005650	14_-_105617116_105617135	TCACCTGGCTGGCCCGCCCA	32818	hsa-miR-6765-3p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005651	14_-_105617118_105617135	TCACCTGGCTGGCCCGCC	32819	hsa-miR-6765-3p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005652	14_-_105617177_105617200	TGAGGCGGGGCCAGGAGGGTGTGT	32820	hsa-miR-6765-5p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005653	14_-_105617178_105617200	TGAGGCGGGGCCAGGAGGGTGTG	32821	hsa-miR-6765-5p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005654	14_-_105617181_105617201	GTGAGGCGGGGCCAGGAGGGT	32822	hsa-miR-6765-5p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005655	14_-_105617182_105617201	GTGAGGCGGGGCCAGGAGGG	32823	hsa-miR-6765-5p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005656	14_-_105617183_105617201	GTGAGGCGGGGCCAGGAGG	32824	hsa-miR-6765-5p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005657	14_-_105617184_105617201	GTGAGGCGGGGCCAGGAG	32825	hsa-miR-6765-5p;Derives_from=MI0022610
NovelMiR_KnownLoci_ID0005658	14_-_105617185_105617200	TGAGGCGGGGCCAGGA	32826	hsa-miR-6765-5p;Derives_from=MI0022610

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005659	14_-_106323687_106323709	GGCTGAGCTGAACTGGGCTGAGC	32827	hsa-miR-4539;Derives_from=MI0016910
NovelMiR_KnownLoci_ID0005660	14_-_106323690_106323709	GGCTGAGCTGAACTGGGCTG	32828	hsa-miR-4539;Derives_from=MI0016910
NovelMiR_KnownLoci_ID0005661	14_-_106323691_106323709	GGCTGAGCTGAACTGGGCT	32829	hsa-miR-4539;Derives_from=MI0016910
NovelMiR_KnownLoci_ID0005662	14_-_106324288_106324304	GCTGGGCTGGGTTGGGC	32830	hsa-miR-4507;Derives_from=MI0016871
NovelMiR_KnownLoci_ID0005663	14_-_106324288_106324308	TTGGGCTGGGCTGGGTTGGGC	32831	hsa-miR-4507;Derives_from=MI0016871
NovelMiR_KnownLoci_ID0005664	14_-_106324291_106324313	CTGGGTTGGGCTGGGCTGGGTTG	32832	hsa-miR-4507;Derives_from=MI0016871
NovelMiR_KnownLoci_ID0005665	14_-_106324292_106324313	CTGGGTTGGGCTGGGCTGGGTT	32833	hsa-miR-4507;Derives_from=MI0016871
NovelMiR_KnownLoci_ID0005666	14_-_106324297_106324318	CCGAGCTGGGTTGGGCTGGGCT	32834	hsa-miR-4507;Derives_from=MI0016871
NovelMiR_KnownLoci_ID0005667	14_-_106324302_106324317	CGAGCTGGGTTGGGCT	32835	hsa-miR-4507;Derives_from=MI0016871
NovelMiR_KnownLoci_ID0005668	14_-_106324384_106324407	TTGGATGAGCTGGGCTGAACTGGG	32836	hsa-miR-4538;Derives_from=MI0016909
NovelMiR_KnownLoci_ID0005669	14_-_106324385_106324403	ATGACCTCGGCTCAACTGG	32837	hsa-miR-4538;Derives_from=MI0016909
NovelMiR_KnownLoci_ID0005670	14_-_106324387_106324411	GAGCTTGGATGAGCTGGGCTGAACT	32838	hsa-miR-4538;Derives_from=MI0016909
NovelMiR_KnownLoci_ID0005671	14_-_106324392_106324413	CTGAGCTTGGATGAGCTGGGCT	32839	hsa-miR-4538;Derives_from=MI0016909
NovelMiR_KnownLoci_ID0005672	14_-_106324401_106324417	TGAGCTGAGCTTGGATG	32840	hsa-miR-4538;Derives_from=MI0016909
NovelMiR_KnownLoci_ID0005673	14_-_106325700_106325721	GAGCCGAGCTGAGCTTAGCTGG	32841	hsa-miR-4537;Derives_from=MI0016908
NovelMiR_KnownLoci_ID0005674	14_-_106325702_106325722	TGAGCCGAGCTGAGCTTAGCT	32842	hsa-miR-4537;Derives_from=MI0016908

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005675	14_-_106325703_106325722	TGAGCCGAGCTGAGCTTAGC	32843	hsa-miR-4537;Derives_from=MI0016908
NovelMiR_KnownLoci_ID0005676	14_-_106325704_106325722	TGAGCCGAGCTGAGCTTAG	32844	hsa-miR-4537;Derives_from=MI0016908
NovelMiR_KnownLoci_ID0005677	14_-_106325705_106325722	TGAGCCGAGCTGAGCTTA	32845	hsa-miR-4537;Derives_from=MI0016908
NovelMiR_KnownLoci_ID0005678	14_-_106325706_106325726	GAGCTGAGCCGAGCTGAGCTT	32846	hsa-miR-4537;Derives_from=MI0016908
NovelMiR_KnownLoci_ID0005679	14_-_107259125_107259146	CATCCAGTTCTCTGAGGGGGCT	32847	hsa-miR-5195-3p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005680	14_-_107259126_107259146	CATCCAGTTCTCTGAGGGGGC	32848	hsa-miR-5195-3p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005681	14_-_107259132_107259151	TGACCCATCCAGTTCTCTGA	32849	hsa-miR-5195-3p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005682	14_-_107259152_107259172	AAGGCAACTGGATGGGAGACC	32850	hsa-miR-5195-5p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005683	14_-_107259158_107259180	TAACCCCTAAGGCAACTGGATGG	32851	hsa-miR-5195-5p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005684	14_-_107259159_107259179	AACCCCTAAGGCAACTGGATG	32852	hsa-miR-5195-5p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005685	14_-_107259160_107259179	AACCCCTAAGGCAACTGGAT	32853	hsa-miR-5195-5p;Derives_from=MI0018174
NovelMiR_KnownLoci_ID0005686	1_+_41220043_41220061	TGTAAACATCCTTGACTGG	32854	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005687	1_+_41220043_41220062	TGTAAACATCCTTGACTGGA	32855	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005688	1_+_41220043_41220063	TGTAAACATCCTTGACTGGAA	32856	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005689	1_+_41220043_41220065	TGTAAACATCCTTGACTGGAAGC	32857	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005690	1_+_41220043_41220066	TGTAAACATCCTTGACTGGAAGCT	32858	hsa-miR-30e-5p;Derives_from=MI0000749

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005691	1_+_41220043_41220067	TGTAAACATCCTTGACTGGAAGCTG	32859	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005692	1_+_41220044_41220066	GTAAACATCCTTGACTGGAAGCT	32860	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005693	1_+_41220085_41220102	CTTTCAGTCGGATGTTTA	32861	hsa-miR-30e-3p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005694	1_+_41220085_41220103	CTTTCAGTCGGATGTTTAC	32862	hsa-miR-30e-3p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005695	1_+_41220085_41220104	CTTTCAGTCGGATGTTTACA	32863	hsa-miR-30e-3p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005696	1_+_41220085_41220105	CTTTCAGTCGGATGTTTACAG	32864	hsa-miR-30e-3p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005697	1_+_41220085_41220107	CTTTCAGTCGGATGTTTACAGCG	32865	hsa-miR-30e-3p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0005698	1_+_41222967_41222994	GTGTGTGTAAACATCCTACACTCTCAGC	32866	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005699	1_+_41222968_41222992	TGTGTGTAAACATCCTACACTCTCA	32867	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005700	1_+_41222968_41222994	TGTGTGTAAACATCCTACACTCTCAGC	32868	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005701	1_+_41222969_41222994	GTGTGTAAACATCCTACACTCTCAGC	32869	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005702	1_+_41222969_41222995	GTGTGTAAACATCCTACACTCTCAGCT	32870	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005703	1_+_41222970_41222993	TGTGTAAACATCCTACACTCTCAG	32871	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005704	1_+_41222971_41222993	GTGTAAACATCCTACACTCTCAG	32872	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005705	1_+_41222971_41222994	GTGTAAACATCCTACACTCTCAGC	32873	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005706	1_+_41222971_41222995	GTGTAAACATCCTACACTCTCAGCT	32874	hsa-miR-30c-5p;Derives_from=MI0000736

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005707	1_+_41222972_41222988	TGTAAACATCCTACACT	32875	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005708	1_+_41222972_41222989	TGTAAACATCCTACACTC	32876	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005709	1_+_41222972_41222992	TGTAAACATCCTACACTCTCA	32877	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005710	1_+_41222972_41222993	TGTAAACATCCTACACTCTCAG	32878	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005711	1_+_41222972_41222995	TGTAAACATCCTACACTCTCAGCT	32879	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005712	1_+_41222972_41222999	TGTAAACATCCTACACTCTCAGCTGTGA	32880	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005713	1_+_41222973_41222995	GTAAACATCCTACACTCTCAGCT	32881	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005714	1_+_41222973_41222999	GTAAACATCCTACACTCTCAGCTGTGA	32882	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005715	1_+_41222976_41222999	AACATCCTACACTCTCAGCTGTGA	32883	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005716	1_+_41222980_41223000	TCCTACACTCTCAGCTGTGAG	32884	hsa-miR-30c-5p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005717	1_+_41223011_41223031	CTGGGAGAGGGTTGTTTACTC	32885	hsa-miR-30c-1-3p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005718	1_+_41223011_41223033	CTGGGAGAGGGTTGTTTACTCCT	32886	hsa-miR-30c-1-3p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005719	1_+_41223011_41223034	CTGGGAGAGGGTTGTTTACTCCTT	32887	hsa-miR-30c-1-3p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005720	1_+_41223011_41223035	CTGGGAGAGGGTTGTTTACTCCTTC	32888	hsa-miR-30c-1-3p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005721	1_+_41223011_41223037	CTGGGAGAGGGTTGTTTACTCCTTCTG	32889	hsa-miR-30c-1-3p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005722	1_+_41223012_41223032	TGGGAGAGGGTTGTTTACTCC	32890	hsa-miR-30c-1-3p;Derives_from=MI0000736

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005723	1_+_41223012_41223035	TGGGAGAGGGTTGTTTACTCCTTC	32891	hsa-miR-30c-1-3p;Derives_from=MI0000736
NovelMiR_KnownLoci_ID0005724	14_-_21491510_21491526	GGGGATGTAGAGACAAC	32892	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005725	14_-_21491510_21491535	AGGCGATGTGGGGATGTAGAGACAAC	32893	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005726	14_-_21491512_21491535	AGGCGATGTGGGGATGTAGAGACA	32894	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005727	14_-_21491515_21491535	AGGCGATGTGGGGATGTAGAG	32895	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005728	14_-_21491516_21491537	TGAGGCGATGTGGGGATGTAGA	32896	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005729	14_-_21491517_21491535	AGGCGATGTGGGGATGTAG	32897	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005730	14_-_21491517_21491537	TGAGGCGATGTGGGGATGTAG	32898	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005731	14_-_21491518_21491535	AGGCGATGTGGGGATGTA	32899	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005732	14_-_21491526_21491541	TGTTTGAGGCGATGTG	32900	hsa-miR-6717-5p;Derives_from=MI0022551
NovelMiR_KnownLoci_ID0005733	14_-_23426164_23426183	CGCCCCAGCCGAGGTTCTCG	32901	hsa-miR-4707-3p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005734	14_-_23426165_23426187	AGCCCGCCCCAGCCGAGGTTCTC	32902	hsa-miR-4707-3p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005735	14_-_23426165_23426188	CAGCCCGCCCCAGCCGAGGTTCTC	32903	hsa-miR-4707-3p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005736	14_-_23426167_23426187	AGCCCGCCCCAGCCGAGGTTC	32904	hsa-miR-4707-3p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005737	14_-_23426168_23426187	AGCCCGCCCCAGCCGAGGTT	32905	hsa-miR-4707-3p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005738	14_-_23426169_23426187	AGCCCGCCCCAGCCGAGGT	32906	hsa-miR-4707-3p;Derives_from=MI0017340

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005739	14_-_23426170_23426187	AGCCCGCCCCAGCCGAGG	32907	hsa-miR-4707-3p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005740	14_-_23426201_23426216	CGGGTTCTGGGGTGTA	32908	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005741	14_-_23426201_23426222	CGCGGGCGGGTTCTGGGGTGTA	32909	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005742	14_-_23426205_23426229	GCCCCGGCGCGGGCGGGTTCTGGGG	32910	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005743	14_-_23426206_23426226	CCGGCGCGGGCGGGTTCTGGG	32911	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005744	14_-_23426206_23426229	GCCCCGGCGCGGGCGGGTTCTGGG	32912	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005745	14_-_23426208_23426229	GCCCCGGCGCGGGCGGGTTCTG	32913	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005746	14_-_23426209_23426229	GCCCCGGCGCGGGCGGGTTCT	32914	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005747	14_-_23426218_23426235	TCCGGAGCCCCGGCGCGG	32915	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005748	14_-_23426219_23426235	TCCGGAGCCCCGGCGCG	32916	hsa-miR-4707-5p;Derives_from=MI0017340
NovelMiR_KnownLoci_ID0005749	14_-_23857809_23857832	ATAAGACGAGCAAAAAGCTTGTTG	32917	hsa-miR-208a-3p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005750	14_-_23857812_23857831	TAAGACGAGCAAAAAGCTTG	32918	hsa-miR-208a-3p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005751	14_-_23857815_23857832	ATAAGACGAGCAAAAAGC	32919	hsa-miR-208a-3p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005752	14_-_23857815_23857836	ACGTATAAGACGAGCAAAAAGC	32920	hsa-miR-208a-3p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005753	14_-_23857816_23857832	ATAAGACGAGCAAAAAG	32921	hsa-miR-208a-3p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005754	14_-_23857845_23857867	GAGCTTTTGGCCCGGGTTATACC	32922	hsa-miR-208a-5p;Derives_from=MI0000251

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005755	14_-_23857847_23857867	GAGCTTTTGGCCCGGGTTATA	32923	hsa-miR-208a-5p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005756	14_-_23857848_23857867	GAGCTTTTGGCCCGGGTTAT	32924	hsa-miR-208a-5p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005757	14_-_23857852_23857867	GAGCTTTTGGCCCGGG	32925	hsa-miR-208a-5p;Derives_from=MI0000251
NovelMiR_KnownLoci_ID0005758	14_-_23887205_23887227	ATAAGACGAACAAAAGGTTTGTC	32926	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005759	14_-_23887207_23887227	ATAAGACGAACAAAAGGTTTG	32927	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005760	14_-_23887207_23887228	TATAAGACGAACAAAAGGTTTG	32928	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005761	14_-_23887208_23887227	ATAAGACGAACAAAAGGTTT	32929	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005762	14_-_23887210_23887227	ATAAGACGAACAAAAGGT	32930	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005763	14_-_23887210_23887228	TATAAGACGAACAAAAGGT	32931	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005764	14_-_23887211_23887227	ATAAGACGAACAAAAGG	32932	hsa-miR-208b-3p;Derives_from=MI0005570
NovelMiR_KnownLoci_ID0005765	14_-_24612695_24612719	TGCACTCTGGCCTTCTCCCAGGCTG	32933	hsa-miR-7703;Derives_from=MI0025239
NovelMiR_KnownLoci_ID0005766	14_-_24612696_24612718	GCACTCTGGCCTTCTCCCAGGCT	32934	hsa-miR-7703;Derives_from=MI0025239
NovelMiR_KnownLoci_ID0005767	14_-_24612697_24612719	TGCACTCTGGCCTTCTCCCAGGC	32935	hsa-miR-7703;Derives_from=MI0025239
NovelMiR_KnownLoci_ID0005768	14_-_24612697_24612720	TTGCACTCTGGCCTTCTCCCAGGC	32936	hsa-miR-7703;Derives_from=MI0025239
NovelMiR_KnownLoci_ID0005769	14_-_24612698_24612719	TGCACTCTGGCCTTCTCCCAGG	32937	hsa-miR-7703;Derives_from=MI0025239
NovelMiR_KnownLoci_ID0005770	14_-_24612699_24612720	TTGCACTCTGGCCTTCTCCCAG	32938	hsa-miR-7703;Derives_from=MI0025239

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005771	14_-_24612699_24612721	CTTGCACTCTGGCCTTCTCCCAG	32939	hsa-miR-7703;Derives_from=MI0025239
NovelMiR_KnownLoci_ID0005772	14_-_28102451_28102474	GATGTATGGAATCTGTATATATCT	32940	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005773	14_-_28102452_28102471	GTATGGAATCTGTATATATC	32941	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005774	14_-_28102452_28102473	ATGTATGGAATCTGTATATATC	32942	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005775	14_-_28102453_28102471	GTATGGAATCTGTATATAT	32943	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005776	14_-_28102453_28102474	GATGTATGGAATCTGTATATAT	32944	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005777	14_-_28102454_28102475	AGATGTATGGAATCTGTATATA	32945	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005778	14_-_28102455_28102475	AGATGTATGGAATCTGTATAT	32946	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005779	14_-_28102456_28102474	GATGTATGGAATCTGTATA	32947	hsa-miR-3171;Derives_from=MI0014202
NovelMiR_KnownLoci_ID0005780	14_-_31483871_31483895	CACAAGGTATTGGTATTACCTTGAG	32948	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005781	14_-_31483873_31483894	ACAAGGTATTGGTATTACCTTG	32949	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005782	14_-_31483873_31483895	CACAAGGTATTGGTATTACCTTG	32950	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005783	14_-_31483875_31483897	AACACAAGGTATTGGTATTACCT	32951	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005784	14_-_31483876_31483897	AACACAAGGTATTGGTATTACC	32952	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005785	14_-_31483876_31483898	AAACACAAGGTATTGGTATTACC	32953	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005786	14_-_31483877_31483895	CACAAGGTATTGGTATTAC	32954	hsa-miR-624-3p;Derives_from=MI0003638

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005787	14_-_31483877_31483897	AACACAAGGTATTGGTATTAC	32955	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005788	14_-_31483877_31483898	AAACACAAGGTATTGGTATTAC	32956	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005789	14_-_31483878_31483897	AACACAAGGTATTGGTATTA	32957	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005790	14_-_31483878_31483898	AAACACAAGGTATTGGTATTA	32958	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005791	14_-_31483879_31483895	CACAAGGTATTGGTATT	32959	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005792	14_-_31483879_31483897	AACACAAGGTATTGGTATT	32960	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005793	14_-_31483879_31483898	AAACACAAGGTATTGGTATT	32961	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005794	14_-_31483880_31483897	AACACAAGGTATTGGTAT	32962	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005795	14_-_31483880_31483898	AAACACAAGGTATTGGTAT	32963	hsa-miR-624-3p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005796	14_-_31483906_31483930	TACCAGTACCTTGTGTTCAGTGGAA	32964	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005797	14_-_31483910_31483930	TACCAGTACCTTGTGTTCAGT	32965	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005798	14_-_31483910_31483932	AGTACCAGTACCTTGTGTTCAGT	32966	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005799	14_-_31483911_31483933	TAGTACCAGTACCTTGTGTTCAG	32967	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005800	14_-_31483912_31483930	TACCAGTACCTTGTGTTCA	32968	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005801	14_-_31483913_31483930	TACCAGTACCTTGTGTTC	32969	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005802	14_-_31483913_31483933	TAGTACCAGTACCTTGTGTTC	32970	hsa-miR-624-5p;Derives_from=MI0003638

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005803	14_-_31483913_31483934	GTAGTACCAGTACCTTGTGTTC	32971	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005804	14_-_31483914_31483932	AGTACCAGTACCTTGTGTT	32972	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005805	14_-_31483914_31483933	TAGTACCAGTACCTTGTGTT	32973	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005806	14_-_31483914_31483934	GTAGTACCAGTACCTTGTGTT	32974	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005807	14_-_31483915_31483934	GTAGTACCAGTACCTTGTGT	32975	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005808	14_-_31483916_31483933	TAGTACCAGTACCTTGTG	32976	hsa-miR-624-5p;Derives_from=MI0003638
NovelMiR_KnownLoci_ID0005809	1_-_43637319_43637342	TCAGTGTCTGGATTTCCTAGAATG	32977	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005810	1_-_43637321_43637342	TCAGTGTCTGGATTTCCTAGAA	32978	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005811	1_-_43637321_43637343	CTCAGTGTCTGGATTTCCTAGAA	32979	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005812	1_-_43637322_43637342	TCAGTGTCTGGATTTCCTAGA	32980	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005813	1_-_43637322_43637343	CTCAGTGTCTGGATTTCCTAGA	32981	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005814	1_-_43637323_43637343	CTCAGTGTCTGGATTTCCTAG	32982	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005815	1_-_43637325_43637343	CTCAGTGTCTGGATTTCCT	32983	hsa-miR-6733-3p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005816	1_-_43637351_43637373	AAGACAAACTCAGAGTTCCCTTC	32984	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005817	1_-_43637353_43637378	TGGGAAAGACAAACTCAGAGTTCCCT	32985	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005818	1_-_43637353_43637379	TTGGGAAAGACAAACTCAGAGTTCCCT	32986	hsa-miR-6733-5p;Derives_from=MI0022578

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005819	1_-_43637356_43637378	TGGGAAAGACAAACTCAGAGTTC	32987	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005820	1_-_43637356_43637379	TTGGGAAAGACAAACTCAGAGTTC	32988	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005821	1_-_43637357_43637379	TTGGGAAAGACAAACTCAGAGTT	32989	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005822	1_-_43637358_43637378	TGGGAAAGACAAACTCAGAGT	32990	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005823	1_-_43637358_43637379	TTGGGAAAGACAAACTCAGAGT	32991	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005824	1_-_43637358_43637380	CTTGGGAAAGACAAACTCAGAGT	32992	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005825	1_-_43637359_43637379	TTGGGAAAGACAAACTCAGAG	32993	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005826	1_-_43637360_43637379	TTGGGAAAGACAAACTCAGA	32994	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005827	1_-_43637361_43637379	TTGGGAAAGACAAACTCAG	32995	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005828	1_-_43637362_43637379	TTGGGAAAGACAAACTCA	32996	hsa-miR-6733-5p;Derives_from=MI0022578
NovelMiR_KnownLoci_ID0005829	14_-_37421562_37421584	TTTAAGCAGGAAATAGAATTTAC	32997	hsa-miR-4503;Derives_from=MI0016866
NovelMiR_KnownLoci_ID0005830	14_-_37421564_37421584	TTTAAGCAGGAAATAGAATTT	32998	hsa-miR-4503;Derives_from=MI0016866
NovelMiR_KnownLoci_ID0005831	14_-_37421565_37421584	TTTAAGCAGGAAATAGAATT	32999	hsa-miR-4503;Derives_from=MI0016866
NovelMiR_KnownLoci_ID0005832	14_-_37421566_37421584	TTTAAGCAGGAAATAGAAT	33000	hsa-miR-4503;Derives_from=MI0016866
NovelMiR_KnownLoci_ID0005833	1_-_43830314_43830337	TCCCTCACTCTTCTCTCAGGTGAT	33001	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005834	1_-_43830316_43830337	TCCCTCACTCTTCTCTCAGGTG	33002	hsa-miR-6734-3p;Derives_from=MI0022579

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005835	1_-_43830316_43830338	TTCCCTCACTCTTCTCTCAGGTG	33003	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005836	1_-_43830316_43830341	CCCTTCCCTCACTCTTCTCTCAGGTG	33004	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005837	1_-_43830317_43830337	TCCCTCACTCTTCTCTCAGGT	33005	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005838	1_-_43830317_43830338	TTCCCTCACTCTTCTCTCAGGT	33006	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005839	1_-_43830317_43830341	CCCTTCCCTCACTCTTCTCTCAGGT	33007	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005840	1_-_43830318_43830337	TCCCTCACTCTTCTCTCAGG	33008	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005841	1_-_43830318_43830339	CTTCCCTCACTCTTCTCTCAGG	33009	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005842	1_-_43830318_43830340	CCTTCCCTCACTCTTCTCTCAGG	33010	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005843	1_-_43830318_43830341	CCCTTCCCTCACTCTTCTCTCAGG	33011	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005844	1_-_43830319_43830337	TCCCTCACTCTTCTCTCAG	33012	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005845	1_-_43830320_43830341	CCCTTCCCTCACTCTTCTCTCA	33013	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005846	1_-_43830322_43830341	CCCTTCCCTCACTCTTCTCT	33014	hsa-miR-6734-3p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005847	1_-_43830354_43830380	TGAGGGGAGAATGAGGTGGAGAAGCCC	33015	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005848	1_-_43830356_43830380	TGAGGGGAGAATGAGGTGGAGAAGC	33016	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005849	1_-_43830356_43830381	TTGAGGGGAGAATGAGGTGGAGAAGC	33017	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005850	1_-_43830356_43830382	CTTGAGGGGAGAATGAGGTGGAGAAGC	33018	hsa-miR-6734-5p;Derives_from=MI0022579

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005851	1_-_43830357_43830380	TGAGGGGAGAATGAGGTGGAGAAG	33019	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005852	1_-_43830357_43830381	TTGAGGGGAGAATGAGGTGGAGAAG	33020	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005853	1_-_43830358_43830380	TGAGGGGAGAATGAGGTGGAGAA	33021	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005854	1_-_43830358_43830382	CTTGAGGGGAGAATGAGGTGGAGAA	33022	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005855	1_-_43830359_43830380	TGAGGGGAGAATGAGGTGGAGA	33023	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005856	1_-_43830359_43830382	CTTGAGGGGAGAATGAGGTGGAGA	33024	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005857	1_-_43830359_43830383	ACTTGAGGGGAGAATGAGGTGGAGA	33025	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005858	1_-_43830360_43830381	TTGAGGGGAGAATGAGGTGGAG	33026	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005859	1_-_43830360_43830383	ACTTGAGGGGAGAATGAGGTGGAG	33027	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005860	1_-_43830361_43830381	TTGAGGGGAGAATGAGGTGGA	33028	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005861	1_-_43830361_43830382	CTTGAGGGGAGAATGAGGTGGA	33029	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005862	1_-_43830361_43830383	ACTTGAGGGGAGAATGAGGTGGA	33030	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005863	1_-_43830362_43830383	ACTTGAGGGGAGAATGAGGTGG	33031	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005864	1_-_43830363_43830381	TTGAGGGGAGAATGAGGTG	33032	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005865	1_-_43830365_43830387	GAGAACTTGAGGGGAGAATGAGG	33033	hsa-miR-6734-5p;Derives_from=MI0022579
NovelMiR_KnownLoci_ID0005866	1_+_43914213_43914237	GCCAGGGCAGAGGGCACAGGAATCT	33034	hsa-miR-6735-5p;Derives_from=MI0022580

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005867	1_+_43914213_43914239	GCCAGGGCAGAGGGCACAGGAATC TGA	33035	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005868	1_+_43914214_43914234	CCAGGGCAGAGGGCACAGGAA	33036	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005869	1_+_43914214_43914235	CCAGGGCAGAGGGCACAGGAAT	33037	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005870	1_+_43914214_43914236	CCAGGGCAGAGGGCACAGGAATC	33038	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005871	1_+_43914214_43914237	CCAGGGCAGAGGGCACAGGAATCT	33039	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005872	1_+_43914214_43914239	CCAGGGCAGAGGGCACAGGAATCT GA	33040	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005873	1_+_43914214_43914241	CCAGGGCAGAGGGCACAGGAATCT GAGG	33041	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005874	1_+_43914215_43914234	CAGGGCAGAGGGCACAGGAA	33042	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005875	1_+_43914215_43914235	CAGGGCAGAGGGCACAGGAAT	33043	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005876	1_+_43914215_43914236	CAGGGCAGAGGGCACAGGAATC	33044	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005877	1_+_43914215_43914237	CAGGGCAGAGGGCACAGGAATCT	33045	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005878	1_+_43914215_43914238	CAGGGCAGAGGGCACAGGAATCTG	33046	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005879	1_+_43914215_43914240	CAGGGCAGAGGGCACAGGAATCTG AG	33047	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005880	1_+_43914216_43914239	AGGGCAGAGGGCACAGGAATCTGA	33048	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005881	1_+_43914219_43914239	GCAGAGGGCACAGGAATCTGA	33049	hsa-miR-6735-5p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005882	1_+_43914258_43914283	CTCAGGCCTGTGGCTCCTCCCTCA GG	33050	hsa-miR-6735-3p;Derives_from=MI0022580

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005883	1_+_43914260_43914279	CAGGCCTGTGGCTCCTCCCT	33051	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005884	1_+_43914260_43914281	CAGGCCTGTGGCTCCTCCCTCA	33052	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005885	1_+_43914260_43914282	CAGGCCTGTGGCTCCTCCCTCAG	33053	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005886	1_+_43914261_43914280	AGGCCTGTGGCTCCTCCCTC	33054	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005887	1_+_43914261_43914281	AGGCCTGTGGCTCCTCCCTCA	33055	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005888	1_+_43914261_43914283	AGGCCTGTGGCTCCTCCCTCAGG	33056	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005889	1_+_43914261_43914284	AGGCCTGTGGCTCCTCCCTCAGGA	33057	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005890	1_+_43914261_43914285	AGGCCTGTGGCTCCTCCCTCAGGAC	33058	hsa-miR-6735-3p;Derives_from=MI0022580
NovelMiR_KnownLoci_ID0005891	1_+_44304323_44304343	ACTTTTTTGGAAGCTTGGACC	33059	hsa-miR-6079;Derives_from=MI0020356
NovelMiR_KnownLoci_ID0005892	1_+_44304323_44304344	ACTTTTTTGGAAGCTTGGACCA	33060	hsa-miR-6079;Derives_from=MI0020356
NovelMiR_KnownLoci_ID0005893	1_+_44304326_44304342	TTTTTGGAAGCTTGGAC	33061	hsa-miR-6079;Derives_from=MI0020356
NovelMiR_KnownLoci_ID0005894	1_+_44304326_44304347	TTTTTGGAAGCTTGGACCAACT	33062	hsa-miR-6079;Derives_from=MI0020356
NovelMiR_KnownLoci_ID0005895	1_+_44304337_44304353	TTGGACCAACTAGCTGG	33063	hsa-miR-6079;Derives_from=MI0020356
NovelMiR_KnownLoci_ID0005896	1_+_45011163_45011180	AACAGGGAAATGGGAAGA	33064	hsa-miR-5584-5p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005897	1_+_45011164_45011188	ACAGGGAAATGGGAAGAACTAGATT	33065	hsa-miR-5584-5p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005898	1_+_45011165_45011184	CAGGGAAATGGGAAGAACTA	33066	hsa-miR-5584-5p;Derives_from=MI0019141

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005899	1_+_45011165_45011185	CAGGGAAATGGGAAGAACTAG	33067	hsa-miR-5584-5p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005900	1_+_45011165_45011187	CAGGGAAATGGGAAGAACTAGAT	33068	hsa-miR-5584-5p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005901	1_+_45011165_45011188	CAGGGAAATGGGAAGAACTAGATT	33069	hsa-miR-5584-5p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005902	1_+_45011203_45011223	TAGTTCTTCCCTTTGCCCAAT	33070	hsa-miR-5584-3p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005903	1_+_45011203_45011225	TAGTTCTTCCCTTTGCCCAATTA	33071	hsa-miR-5584-3p;Derives_from=MI0019141
NovelMiR_KnownLoci_ID0005904	14_+_50433127_50433143	AGGAGAGGTGGAGGTAG	33072	hsa-miR-6076;Derives_from=MI0020353
NovelMiR_KnownLoci_ID0005905	14_-_50766583_50766601	AGAGATGAACATGGAGGAT	33073	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005906	14_-_50766587_50766609	GTGACAATAGAGATGAACATGGA	33074	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005907	14_-_50766587_50766610	TGTGACAATAGAGATGAACATGGA	33075	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005908	14_-_50766588_50766609	GTGACAATAGAGATGAACATGG	33076	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005909	14_-_50766588_50766610	TGTGACAATAGAGATGAACATGG	33077	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005910	14_-_50766589_50766609	GTGACAATAGAGATGAACATG	33078	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005911	14_-_50766589_50766612	TTTGTGACAATAGAGATGAACATG	33079	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005912	14_-_50766590_50766610	TGTGACAATAGAGATGAACAT	33080	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005913	14_-_50766591_50766610	TGTGACAATAGAGATGAACA	33081	hsa-miR-4504;Derives_from=MI0016867
NovelMiR_KnownLoci_ID0005914	14_-_50766598_50766616	ACCATTTGTGACAATAGAG	33082	hsa-miR-4504;Derives_from=MI0016867

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005915	14_-_54415142_54415162	TATGAAGTGAGCCAGCACAGA	33083	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005916	14_-_54415142_54415164	CATATGAAGTGAGCCAGCACAGA	33084	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005917	14_-_54415143_54415165	ACATATGAAGTGAGCCAGCACAG	33085	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005918	14_-_54415143_54415166	CACATATGAAGTGAGCCAGCACAG	33086	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005919	14_-_54415144_54415166	CACATATGAAGTGAGCCAGCACA	33087	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005920	14_-_54415145_54415165	ACATATGAAGTGAGCCAGCAC	33088	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005921	14_-_54415146_54415166	CACATATGAAGTGAGCCAGCA	33089	hsa-miR-5580-3p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005922	14_-_54415179_54415200	CTGGCTCATTTCATATGTGTGC	33090	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005923	14_-_54415179_54415201	GCTGGCTCATTTCATATGTGTGC	33091	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005924	14_-_54415180_54415200	CTGGCTCATTTCATATGTGTG	33092	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005925	14_-_54415180_54415201	GCTGGCTCATTTCATATGTGTG	33093	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005926	14_-_54415180_54415202	TGCTGGCTCATTTCATATGTGTG	33094	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005927	14_-_54415181_54415201	GCTGGCTCATTTCATATGTGT	33095	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005928	14_-_54415182_54415202	TGCTGGCTCATTTCATATGTG	33096	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005929	14_-_54415186_54415208	GGTCTGTGCTGGCTCATTTCATA	33097	hsa-miR-5580-5p;Derives_from=MI0019135
NovelMiR_KnownLoci_ID0005930	14_-_54415189_54415208	GGTCTGTGCTGGCTCATTTC	33098	hsa-miR-5580-5p;Derives_from=MI0019135

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005931	14_-_55344835_55344858	TCCCTGGAGTTTCTTCTTACCTTT	33099	hsa-miR-4308;Derives_from=MI0015839
NovelMiR_KnownLoci_ID0005932	14_-_55344837_55344858	TCCCTGGAGTTTCTTCTTACCT	33100	hsa-miR-4308;Derives_from=MI0015839
NovelMiR_KnownLoci_ID0005933	14_-_55344839_55344858	TCCCTGGAGTTTCTTCTTAC	33101	hsa-miR-4308;Derives_from=MI0015839
NovelMiR_KnownLoci_ID0005934	14_-_55344840_55344858	TCCCTGGAGTTTCTTCTTA	33102	hsa-miR-4308;Derives_from=MI0015839
NovelMiR_KnownLoci_ID0005935	14_-_60113678_60113701	CAGAGTGACAAGCTGGTTAAAGAA	33103	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005936	14_-_60113679_60113700	AGAGTGACAAGCTGGTTAAAGA	33104	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005937	14_-_60113679_60113701	CAGAGTGACAAGCTGGTTAAAGA	33105	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005938	14_-_60113680_60113700	AGAGTGACAAGCTGGTTAAAG	33106	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005939	14_-_60113681_60113701	CAGAGTGACAAGCTGGTTAAA	33107	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005940	14_-_60113681_60113702	ACAGAGTGACAAGCTGGTTAAA	33108	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005941	14_-_60113682_60113701	CAGAGTGACAAGCTGGTTAA	33109	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005942	14_-_60113682_60113702	ACAGAGTGACAAGCTGGTTAA	33110	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005943	14_-_60113683_60113701	CAGAGTGACAAGCTGGTTA	33111	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005944	14_-_60113683_60113702	ACAGAGTGACAAGCTGGTTA	33112	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005945	14_-_60113684_60113701	CAGAGTGACAAGCTGGTT	33113	hsa-miR-5586-3p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005946	14_-_60113684_60113702	ACAGAGTGACAAGCTGGTT	33114	hsa-miR-5586-3p;Derives_from=MI0019143

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005947	14_-_60113715_60113738	TATCCAGCTTGTTACTATATGCTT	33115	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005948	14_-_60113716_60113738	TATCCAGCTTGTTACTATATGCT	33116	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005949	14_-_60113717_60113739	TTATCCAGCTTGTTACTATATGC	33117	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005950	14_-_60113718_60113738	TATCCAGCTTGTTACTATATG	33118	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005951	14_-_60113718_60113739	TTATCCAGCTTGTTACTATATG	33119	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005952	14_-_60113719_60113738	TATCCAGCTTGTTACTATAT	33120	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005953	14_-_60113719_60113739	TTATCCAGCTTGTTACTATAT	33121	hsa-miR-5586-5p;Derives_from=MI0019143
NovelMiR_KnownLoci_ID0005954	14_-_65252379_65252402	TTGGTGAGGACCCCAAGCTCGGCA	33122	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005955	14_-_65252380_65252402	TTGGTGAGGACCCCAAGCTCGGC	33123	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005956	14_-_65252381_65252399	GTGAGGACCCCAAGCTCGG	33124	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005957	14_-_65252381_65252401	TGGTGAGGACCCCAAGCTCGG	33125	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005958	14_-_65252382_65252401	TGGTGAGGACCCCAAGCTCG	33126	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005959	14_-_65252382_65252402	TTGGTGAGGACCCCAAGCTCG	33127	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005960	14_-_65252383_65252402	TTGGTGAGGACCCCAAGCTC	33128	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005961	14_-_65252388_65252408	CCAAGCTTGGTGAGGACCCCA	33129	hsa-miR-7855-5p;Derives_from=MI0025525
NovelMiR_KnownLoci_ID0005962	14_+_65511415_65511433	AGCGGGGAGGAAGTGGGCG	33130	hsa-miR-4706;Derives_from=MI0017339

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005963	14_+_65511415_65511435	AGCGGGGAGGAAGTGGGCGCT	33131	hsa-miR-4706;Derives_from=MI0017339
NovelMiR_KnownLoci_ID0005964	14_+_65511415_65511436	AGCGGGGAGGAAGTGGGCGCTG	33132	hsa-miR-4706;Derives_from=MI0017339
NovelMiR_KnownLoci_ID0005965	14_+_65511415_65511437	AGCGGGGAGGAAGTGGGCGCTGC	33133	hsa-miR-4706;Derives_from=MI0017339
NovelMiR_KnownLoci_ID0005966	14_+_65511415_65511438	AGCGGGGAGGAAGTGGGCGCTGCT	33134	hsa-miR-4706;Derives_from=MI0017339
NovelMiR_KnownLoci_ID0005967	14_+_65511415_65511441	AGCGGGGAGGAAGTGGGCGCTGCTTCT	33135	hsa-miR-4706;Derives_from=MI0017339
NovelMiR_KnownLoci_ID0005968	14_-_65801840_65801862	AGCAAGGCGGCATCTCTCTGATA	33136	hsa-miR-4708-3p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005969	14_-_65801841_65801863	GAGCAAGGCGGCATCTCTCTGAT	33137	hsa-miR-4708-3p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005970	14_-_65801842_65801862	AGCAAGGCGGCATCTCTCTGA	33138	hsa-miR-4708-3p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005971	14_-_65801842_65801863	GAGCAAGGCGGCATCTCTCTGA	33139	hsa-miR-4708-3p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005972	14_-_65801843_65801863	GAGCAAGGCGGCATCTCTCTG	33140	hsa-miR-4708-3p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005973	14_-_65801849_65801868	AGGAGGAGCAAGGCGGCATC	33141	hsa-miR-4708-3p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005974	14_-_65801867_65801889	ATGCCGCCTTGCTCCTTGAACAG	33142	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005975	14_-_65801869_65801887	GCCGCCTTGCTCCTTGAAC	33143	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005976	14_-_65801870_65801889	ATGCCGCCTTGCTCCTTGAA	33144	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005977	14_-_65801872_65801893	AGAGATGCCGCCTTGCTCCTTG	33145	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005978	14_-_65801872_65801895	AGAGAGATGCCGCCTTGCTCCTTG	33146	hsa-miR-4708-5p;Derives_from=MI0017341

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005979	14_-_65801873_65801895	AGAGAGATGCCGCCTTGCTCCTT	33147	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005980	14_-_65801877_65801897	GGAGAGAGATGCCGCCTTGCT	33148	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005981	14_-_65801884_65801899	TAGGAGAGAGATGCCG	33149	hsa-miR-4708-5p;Derives_from=MI0017341
NovelMiR_KnownLoci_ID0005982	14_+_65937834_65937855	AGGGGGAAAGTTCTATAGTCCT	33150	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005983	14_+_65937834_65937856	AGGGGGAAAGTTCTATAGTCCTG	33151	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005984	14_+_65937834_65937857	AGGGGGAAAGTTCTATAGTCCTGT	33152	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005985	14_+_65937834_65937858	AGGGGGAAAGTTCTATAGTCCTGTA	33153	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005986	14_+_65937834_65937859	AGGGGGAAAGTTCTATAGTCCTGTAA	33154	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005987	14_+_65937834_65937860	AGGGGGAAAGTTCTATAGTCCTGTAAT	33155	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005988	14_+_65937835_65937857	GGGGGAAAGTTCTATAGTCCTGT	33156	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005989	14_+_65937835_65937858	GGGGGAAAGTTCTATAGTCCTGTA	33157	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005990	14_+_65937836_65937857	GGGGAAAGTTCTATAGTCCTGT	33158	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005991	14_+_65937839_65937860	GAAAGTTCTATAGTCCTGTAAT	33159	hsa-miR-625-5p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005992	14_+_65937867_65937888	TCAGGACTATAGAACTTTCCCC	33160	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005993	14_+_65937870_65937891	GGACTATAGAACTTTCCCCCTC	33161	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005994	14_+_65937871_65937890	GACTATAGAACTTTCCCCCT	33162	hsa-miR-625-3p;Derives_from=MI0003639

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0005995	14_+_65937871_65937891	GACTATAGAACTTTCCCCCTC	33163	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005996	14_+_65937871_65937893	GACTATAGAACTTTCCCCCTCAT	33164	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005997	14_+_65937871_65937894	GACTATAGAACTTTCCCCCTCATC	33165	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005998	14_+_65937872_65937889	ACTATAGAACTTTCCCCC	33166	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0005999	14_+_65937872_65937892	ACTATAGAACTTTCCCCCTCA	33167	hsa-miR-625-3p;Derives_from=MI0003639
NovelMiR_KnownLoci_ID0006000	14_-_67908618_67908641	TGCAGATCATGGGACTGTCTCAGC	33168	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006001	14_-_67908619_67908641	TGCAGATCATGGGACTGTCTCAG	33169	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006002	14_-_67908620_67908640	GCAGATCATGGGACTGTCTCA	33170	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006003	14_-_67908620_67908641	TGCAGATCATGGGACTGTCTCA	33171	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006004	14_-_67908620_67908642	CTGCAGATCATGGGACTGTCTCA	33172	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006005	14_-_67908621_67908641	TGCAGATCATGGGACTGTCTC	33173	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006006	14_-_67908621_67908643	ACTGCAGATCATGGGACTGTCTC	33174	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006007	14_-_67908622_67908643	ACTGCAGATCATGGGACTGTCT	33175	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006008	14_-_67908624_67908643	ACTGCAGATCATGGGACTGT	33176	hsa-miR-5694;Derives_from=MI0019301
NovelMiR_KnownLoci_ID0006009	14_+_72983538_72983560	TGAGGGCAGAGCCAGCTTCCTGA	33177	hsa-miR-7843-5p;Derives_from=MI0025510
NovelMiR_KnownLoci_ID0006010	14_+_72983539_72983559	GAGGGCAGAGCCAGCTTCCTG	33178	hsa-miR-7843-5p;Derives_from=MI0025510

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006011	14_+_72983539_72983561	GAGGGCAGAGCCAGCTTCCTGAT	33179	hsa-miR-7843-5p;Derives_from=MI0025510
NovelMiR_KnownLoci_ID0006012	14_+_72983539_72983562	GAGGGCAGAGCCAGCTTCCTGATC	33180	hsa-miR-7843-5p;Derives_from=MI0025510
NovelMiR_KnownLoci_ID0006013	14_+_72983574_72983594	ATGAAGCCTTCTCTGCCTTAC	33181	hsa-miR-7843-3p;Derives_from=MI0025510
NovelMiR_KnownLoci_ID0006014	14_+_72983574_72983596	ATGAAGCCTTCTCTGCCTTACGC	33182	hsa-miR-7843-3p;Derives_from=MI0025510
NovelMiR_KnownLoci_ID0006015	14_+_72983575_72983596	TGAAGCCTTCTCTGCCTTACGC	33183	hsa-miR-7843-3p;Derives_from=MI0025510
NovelMiR_KnownLoci_ID0006016	14_+_74225446_74225462	CGCTGGAGGCTGGGCTG	33184	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006017	14_+_74225446_74225464	CGCTGGAGGCTGGGCTGGG	33185	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006018	14_+_74225446_74225465	CGCTGGAGGCTGGGCTGGGA	33186	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006019	14_+_74225446_74225467	CGCTGGAGGCTGGGCTGGGACG	33187	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006020	14_+_74225446_74225469	CGCTGGAGGCTGGGCTGGGACGGA	33188	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006021	14_+_74225452_74225471	AGGCTGGGCTGGGACGGACA	33189	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006022	14_+_74225452_74225472	AGGCTGGGCTGGGACGGACAC	33190	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006023	14_+_74225452_74225473	AGGCTGGGCTGGGACGGACACC	33191	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006024	14_+_74225454_74225473	GCTGGGCTGGGACGGACACC	33192	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006025	14_+_74225455_74225472	CTGGGCTGGGACGGACAC	33193	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006026	14_+_74225455_74225473	CTGGGCTGGGACGGACACC	33194	hsa-miR-4505;Derives_from=MI0016868

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006027	14_+_74225455_74225475	CTGGGCTGGGACGGACACCCG	33195	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006028	14_+_74225457_74225474	GGGCTGGGACGGACACCC	33196	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006029	14_+_74225457_74225475	GGGCTGGGACGGACACCCG	33197	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006030	14_+_74225459_74225475	GCTGGGACGGACACCCG	33198	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006031	14_+_74225460_74225475	CTGGGACGGACACCCG	33199	hsa-miR-4505;Derives_from=MI0016868
NovelMiR_KnownLoci_ID0006032	14_-_74946832_74946847	GCTCTGTAGCAGAAAC	33200	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006033	14_-_74946832_74946848	TGCTCTGTAGCAGAAAC	33201	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006034	14_-_74946832_74946849	CTGCTCTGTAGCAGAAAC	33202	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006035	14_-_74946832_74946851	AGGTGCTCTGTAGCAGAAAC	33203	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006036	14_-_74946832_74946852	GAGGTGCTCTGTAGCAGAAAC	33204	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006037	14_-_74946832_74946854	AGGAGGTGCTCTGTAGCAGAAAC	33205	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006038	14_-_74946834_74946851	AGGTGCTCTGTAGCAGAA	33206	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006039	14_-_74946837_74946853	GGAGGTGCTCTGTAGCA	33207	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006040	14_-_74946837_74946855	GAGGAGGTGCTCTGTAGCA	33208	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006041	14_-_74946837_74946863	TCGTTGAAGAGGAGGTGCTCTGTAGCA	33209	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006042	14_-_74946838_74946858	GAAGAGGAGGTGCTCTGTAGC	33210	hsa-miR-4709-3p;Derives_from=MI0017342

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006043	14_-_74946838_74946859	TGAAGAGGAGGTGCTCTGTAGC	33211	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006044	14_-_74946838_74946862	CGTTGAAGAGGAGGTGCTCTGTAGC	33212	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006045	14_-_74946838_74946863	TCGTTGAAGAGGAGGTGCTCTGTAGC	33213	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006046	14_-_74946839_74946857	AAGAGGAGGTGCTCTGTAG	33214	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006047	14_-_74946839_74946860	TTGAAGAGGAGGTGCTCTGTAG	33215	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006048	14_-_74946841_74946860	TTGAAGAGGAGGTGCTCTGT	33216	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006049	14_-_74946841_74946866	GATTCGTTGAAGAGGAGGTGCTCTGT	33217	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006050	14_-_74946842_74946860	TTGAAGAGGAGGTGCTCTG	33218	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006051	14_-_74946843_74946860	TTGAAGAGGAGGTGCTCT	33219	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006052	14_-_74946844_74946866	GATTCGTTGAAGAGGAGGTGCTC	33220	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006053	14_-_74946845_74946866	GATTCGTTGAAGAGGAGGTGCT	33221	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006054	14_-_74946846_74946866	GATTCGTTGAAGAGGAGGTGC	33222	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006055	14_-_74946847_74946866	GATTCGTTGAAGAGGAGGTG	33223	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006056	14_-_74946850_74946866	GATTCGTTGAAGAGGAG	33224	hsa-miR-4709-3p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006057	14_-_74946872_74946894	AGTGACTTGCTCTCCAATGGTAT	33225	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006058	14_-_74946872_74946896	ACAGTGACTTGCTCTCCAATGGTAT	33226	hsa-miR-4709-5p;Derives_from=MI0017342

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006059	14_-_74946872_74946897	AACAGTGACTTGCTCTCCAATGGT AT	33227	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006060	14_-_74946872_74946898	CAACAGTGACTTGCTCTCCAATGG TAT	33228	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006061	14_-_74946872_74946899	ACAACAGTGACTTGCTCTCCAATG GTAT	33229	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006062	14_-_74946873_74946891	GACTTGCTCTCCAATGGTA	33230	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006063	14_-_74946873_74946896	ACAGTGACTTGCTCTCCAATGGTA	33231	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006064	14_-_74946873_74946899	ACAACAGTGACTTGCTCTCCAATG GTA	33232	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006065	14_-_74946873_74946900	AACAACAGTGACTTGCTCTCCAAT GGTA	33233	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006066	14_-_74946874_74946897	AACAGTGACTTGCTCTCCAATGGT	33234	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006067	14_-_74946875_74946897	AACAGTGACTTGCTCTCCAATGG	33235	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006068	14_-_74946875_74946901	CAACAACAGTGACTTGCTCTCCAA TGG	33236	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006069	14_-_74946876_74946897	AACAGTGACTTGCTCTCCAATG	33237	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006070	14_-_74946876_74946899	ACAACAGTGACTTGCTCTCCAATG	33238	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006071	14_-_74946877_74946896	ACAGTGACTTGCTCTCCAAT	33239	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006072	14_-_74946877_74946897	AACAGTGACTTGCTCTCCAAT	33240	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006073	14_-_74946877_74946898	CAACAGTGACTTGCTCTCCAAT	33241	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006074	14_-_74946877_74946899	ACAACAGTGACTTGCTCTCCAAT	33242	hsa-miR-4709-5p;Derives_from=MI0017342

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006075	14_-_74946879_74946899	ACAACAGTGACTTGCTCTCCA	33243	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006076	14_-_74946880_74946899	ACAACAGTGACTTGCTCTCC	33244	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006077	14_-_74946881_74946899	ACAACAGTGACTTGCTCTC	33245	hsa-miR-4709-5p;Derives_from=MI0017342
NovelMiR_KnownLoci_ID0006078	14_+_77732569_77732591	AGCTCATCCCACCTCTGCCACCA	33246	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006079	14_+_77732572_77732592	TCATCCCACCTCTGCCACCAA	33247	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006080	14_+_77732573_77732592	CATCCCACCTCTGCCACCAA	33248	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006081	14_+_77732574_77732593	ATCCCACCTCTGCCACCAAA	33249	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006082	14_+_77732574_77732594	ATCCCACCTCTGCCACCAAAA	33250	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006083	14_+_77732574_77732595	ATCCCACCTCTGCCACCAAAAC	33251	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006084	14_+_77732574_77732596	ATCCCACCTCTGCCACCAAAACA	33252	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006085	14_+_77732575_77732594	TCCCACCTCTGCCACCAAAA	33253	hsa-miR-1260a;Derives_from=MI0006394
NovelMiR_KnownLoci_ID0006086	14_-_94414573_94414588	TCTGAGGCAAGTGGTC	33254	hsa-miR-4506;Derives_from=MI0016869

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006087	14_-_94414576_94414598	AAATGGGTGGTCTGAGGCAAGTG	33255	hsa-miR-4506;Derives_from=MI0016869
NovelMiR_KnownLoci_ID0006088	14_-_94414577_94414598	AAATGGGTGGTCTGAGGCAAGT	33256	hsa-miR-4506;Derives_from=MI0016869
NovelMiR_KnownLoci_ID0006089	14_-_94414578_94414598	AAATGGGTGGTCTGAGGCAAG	33257	hsa-miR-4506;Derives_from=MI0016869
NovelMiR_KnownLoci_ID0006090	14_-_95604257_95604279	AGGAGGAAATAGGCAGGCCAGGG	33258	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006091	14_-_95604257_95604280	AAGGAGGAAATAGGCAGGCCAGGG	33259	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006092	14_-_95604258_95604279	AGGAGGAAATAGGCAGGCCAGG	33260	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006093	14_-_95604258_95604280	AAGGAGGAAATAGGCAGGCCAGG	33261	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006094	14_-_95604258_95604281	AAAGGAGGAAATAGGCAGGCCAGG	33262	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006095	14_-_95604259_95604279	AGGAGGAAATAGGCAGGCCAG	33263	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006096	14_-_95604259_95604280	AAGGAGGAAATAGGCAGGCCAG	33264	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006097	14_-_95604259_95604281	AAAGGAGGAAATAGGCAGGCCAG	33265	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006098	14_-_95604260_95604277	GAGGAAATAGGCAGGCCA	33266	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006099	14_-_95604260_95604278	GGAGGAAATAGGCAGGCCA	33267	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006100	14_-_95604260_95604280	AAGGAGGAAATAGGCAGGCCA	33268	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006101	14_-_95604261_95604280	AAGGAGGAAATAGGCAGGCC	33269	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006102	14_-_95604261_95604281	AAAGGAGGAAATAGGCAGGCC	33270	hsa-miR-3173-3p;Derives_from=MI0014204

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006103	14_-_95604262_95604280	AAGGAGGAAATAGGCAGGC	33271	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006104	14_-_95604264_95604281	AAAGGAGGAAATAGGCAG	33272	hsa-miR-3173-3p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006105	14_-_95604294_95604317	CCCTGCCTGTTTTCTCCTTTGTGA	33273	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006106	14_-_95604295_95604318	GCCCTGCCTGTTTTCTCCTTTGTG	33274	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006107	14_-_95604296_95604317	CCCTGCCTGTTTTCTCCTTTGT	33275	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006108	14_-_95604296_95604318	GCCCTGCCTGTTTTCTCCTTTGT	33276	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006109	14_-_95604296_95604319	TGCCCTGCCTGTTTTCTCCTTTGT	33277	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006110	14_-_95604297_95604317	CCCTGCCTGTTTTCTCCTTTG	33278	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006111	14_-_95604297_95604318	GCCCTGCCTGTTTTCTCCTTTG	33279	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006112	14_-_95604297_95604319	TGCCCTGCCTGTTTTCTCCTTTG	33280	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006113	14_-_95604299_95604317	CCCTGCCTGTTTTCTCCTT	33281	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006114	14_-_95604299_95604319	TGCCCTGCCTGTTTTCTCCTT	33282	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006115	14_-_95604300_95604318	GCCCTGCCTGTTTTCTCCT	33283	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006116	14_-_95604300_95604319	TGCCCTGCCTGTTTTCTCCT	33284	hsa-miR-3173-5p;Derives_from=MI0014204
NovelMiR_KnownLoci_ID0006117	1_+_51525550_51525571	AACCTGTCTGTGGAAAGGAGCT	33285	hsa-miR-4421;Derives_from=MI0016758
NovelMiR_KnownLoci_ID0006118	1_+_51525551_51525575	ACCTGTCTGTGGAAAGGAGCTACCT	33286	hsa-miR-4421;Derives_from=MI0016758

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006119	1_+_51525703_51525725	AGGAGCTATCCACTCCAGGTGTC	33287	hsa-miR-6500-5p;Derives_from=MI0022211
NovelMiR_KnownLoci_ID0006120	1_-_52302041_52302059	TGAAACTGACACAGTTCTG	33288	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006121	1_-_52302041_52302067	CAGCAGGGTGAAACTGACACAGTTCTG	33289	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006122	1_-_52302042_52302064	CAGGGTGAAACTGACACAGTTCT	33290	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006123	1_-_52302042_52302067	CAGCAGGGTGAAACTGACACAGTTCT	33291	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006124	1_-_52302047_52302069	AGCAGCAGGGTGAAACTGACACA	33292	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006125	1_-_52302050_52302068	GCAGCAGGGTGAAACTGAC	33293	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006126	1_-_52302055_52302074	GCAGGAGCAGCAGGGTGAAA	33294	hsa-miR-761;Derives_from=MI0003941
NovelMiR_KnownLoci_ID0006127	15_-_23807248_23807270	GCGGGCCTGGCCCCGCCGGAGCAG	33295	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006128	15_-_23807249_23807267	GGGCTGGGCGCCGCGGAGCA	33296	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006129	15_-_23807249_23807271	AGCGGGGCTGGGCGCGCGGAGCA	33297	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006130	15_-_23807250_23807267	GGGCTGGGCGCGCGGAGC	33298	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006131	15_-_23807250_23807269	CGGGGCTGGGCGCGCGGAGC	33299	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006132	15_-_23807250_23807271	AGCGGGGCTGGGCGCGCGGAGC	33300	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006133	15_-_23807251_23807267	GGGCTGGGCGCGCGGAG	33301	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006134	15_-_23807252_23807267	GGGCTGGGCGCGCGGA	33302	hsa-miR-4508;Derives_from=MI0016872

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006135	15_-_23807252_23807269	CGGGGCTGGGCGCGGA	33303	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006136	15_-_23807252_23807271	AGCGGGGCTGGGCGCGGA	33304	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006137	15_-_23807252_23807272	CAGCGGGGCTGGGCGCGGA	33305	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006138	15_-_23807255_23807272	CAGCGGGGCTGGGCGC	33306	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006139	15_-_23807256_23807272	CAGCGGGGCTGGGCGCG	33307	hsa-miR-4508;Derives_from=MI0016872
NovelMiR_KnownLoci_ID0006140	15_-_26093899_26093923	CACCTTAACTGCAGCCAATTCTAAT	33308	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006141	15_-_26093902_26093923	CACCTTAACTGCAGCCAATTCT	33309	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006142	15_-_26093903_26093923	CACCTTAACTGCAGCCAATTC	33310	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006143	15_-_26093904_26093923	CACCTTAACTGCAGCCAATT	33311	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006144	15_-_26093904_26093926	TGCCACCTTAACTGCAGCCAATT	33312	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006145	15_-_26093904_26093927	GTGCCACCTTAACTGCAGCCAATT	33313	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006146	15_-_26093905_26093926	TGCCACCTTAACTGCAGCCAAT	33314	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006147	15_-_26093906_26093927	GTGCCACCTTAACTGCAGCCAA	33315	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006148	15_-_26093907_26093927	GTGCCACCTTAACTGCAGCCA	33316	hsa-miR-4715-3p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006149	15_-_26093936_26093961	GTTGGCTGCAGTTAAGGTGGCTAATC	33317	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006150	15_-_26093937_26093960	TTGGCTGCAGTTAAGGTGGCTAAT	33318	hsa-miR-4715-5p;Derives_from=MI0017349

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006151	15_-_26093939_26093961	GTTGGCTGCAGTTAAGGTGGCTA	33319	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006152	15_-_26093940_26093963	AAGTTGGCTGCAGTTAAGGTGGCT	33320	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006153	15_-_26093941_26093961	GTTGGCTGCAGTTAAGGTGGC	33321	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006154	15_-_26093941_26093962	AGTTGGCTGCAGTTAAGGTGGC	33322	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006155	15_-_26093942_26093961	GTTGGCTGCAGTTAAGGTGG	33323	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006156	15_-_26093943_26093961	GTTGGCTGCAGTTAAGGTG	33324	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006157	15_-_26093952_26093969	GAATGAAAGTTGGCTGCA	33325	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006158	15_-_26093953_26093969	GAATGAAAGTTGGCTGC	33326	hsa-miR-4715-5p;Derives_from=MI0017349
NovelMiR_KnownLoci_ID0006159	15_-_31357259_31357277	GACAGCAAAGGGGTGCTCA	33327	hsa-miR-211-3p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006160	15_-_31357260_31357282	GCAGGGACAGCAAAGGGGTGCTC	33328	hsa-miR-211-3p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006161	15_-_31357261_31357282	GCAGGGACAGCAAAGGGGTGCT	33329	hsa-miR-211-3p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006162	15_-_31357263_31357282	GCAGGGACAGCAAAGGGGTG	33330	hsa-miR-211-3p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006163	15_-_31357295_31357319	TTCCCTTTGTCATCCTTCGCCTAG	33331	hsa-miR-211-5p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006164	15_-_31357296_31357319	TTCCCTTTGTCATCCTTCGCCTAG	33332	hsa-miR-211-5p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006165	15_-_31357297_31357319	TTCCCTTTGTCATCCTTCGCCTA	33333	hsa-miR-211-5p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006166	15_-_31357299_31357319	TTCCCTTTGTCATCCTTCGCC	33334	hsa-miR-211-5p;Derives_from=MI0000287

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006167	15_-_31357300_31357319	TTCCCTTTGTCATCCTTCGC	33335	hsa-miR-211-5p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006168	15_-_31357301_31357319	TTCCCTTTGTCATCCTTCG	33336	hsa-miR-211-5p;Derives_from=MI0000287
NovelMiR_KnownLoci_ID0006169	15_-_35664477_35664501	TTTCAGATAACAGTATTACATCTTT	33337	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006170	15_-_35664479_35664500	TTCAGATAACAGTATTACATCT	33338	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006171	15_-_35664479_35664501	TTTCAGATAACAGTATTACATCT	33339	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006172	15_-_35664480_35664500	TTCAGATAACAGTATTACATC	33340	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006173	15_-_35664480_35664501	TTTCAGATAACAGTATTACATC	33341	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006174	15_-_35664482_35664501	TTTCAGATAACAGTATTACA	33342	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006175	15_-_35664482_35664504	GTATTTCAGATAACAGTATTACA	33343	hsa-miR-3942-3p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006176	15_-_35664516_35664531	TACCTGAAATAGGCTG	33344	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006177	15_-_35664518_35664542	AGCAATACTGTTACCTGAAATAGGC	33345	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006178	15_-_35664520_35664542	AGCAATACTGTTACCTGAAATAG	33346	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006179	15_-_35664520_35664543	AAGCAATACTGTTACCTGAAATAG	33347	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006180	15_-_35664521_35664542	AGCAATACTGTTACCTGAAATA	33348	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006181	15_-_35664521_35664543	AAGCAATACTGTTACCTGAAATA	33349	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006182	15_-_35664522_35664541	GCAATACTGTTACCTGAAAT	33350	hsa-miR-3942-5p;Derives_from=MI0016599

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006183	15_-_35664522_35664542	AGCAATACTGTTACCTGAAAT	33351	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006184	15_-_35664523_35664542	AGCAATACTGTTACCTGAAA	33352	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006185	15_-_35664523_35664543	AAGCAATACTGTTACCTGAAA	33353	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006186	15_-_35664524_35664542	AGCAATACTGTTACCTGAA	33354	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006187	15_-_35664524_35664543	AAGCAATACTGTTACCTGAA	33355	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006188	15_-_35664524_35664544	GAAGCAATACTGTTACCTGAA	33356	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006189	15_-_35664525_35664543	AAGCAATACTGTTACCTGA	33357	hsa-miR-3942-5p;Derives_from=MI0016599
NovelMiR_KnownLoci_ID0006190	15_+_36219064_36219080	TGAGGGAGTAGGATGTA	33358	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006191	15_+_36219064_36219081	TGAGGGAGTAGGATGTAT	33359	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006192	15_+_36219064_36219082	TGAGGGAGTAGGATGTATG	33360	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006193	15_+_36219064_36219083	TGAGGGAGTAGGATGTATGG	33361	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006194	15_+_36219064_36219084	TGAGGGAGTAGGATGTATGGT	33362	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006195	15_+_36219064_36219086	TGAGGGAGTAGGATGTATGGTTG	33363	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006196	15_+_36219064_36219087	TGAGGGAGTAGGATGTATGGTTGT	33364	hsa-miR-4510;Derives_from=MI0016876
NovelMiR_KnownLoci_ID0006197	15_-_37265030_37265045	AGGAGTCGGGGCTTTA	33365	hsa-miR-8063;Derives_from=MI0025899
NovelMiR_KnownLoci_ID0006198	15_+_41983837_41983853	GATCTCAGCTGTCTGAA	33366	hsa-miR-626;Derives_from=MI0003640

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006199	15_+_41983840_41983860	CTCAGCTGTCTGAAAATGTCT	33367	hsa-miR-626;Derives_from=MI0003640
NovelMiR_KnownLoci_ID0006200	15_-_42158697_42158719	TGCAGCATTCATGTCCCACCCCC	33368	hsa-miR-4310;Derives_from=MI0015840
NovelMiR_KnownLoci_ID0006201	15_-_42158698_42158719	TGCAGCATTCATGTCCCACCCC	33369	hsa-miR-4310;Derives_from=MI0015840
NovelMiR_KnownLoci_ID0006202	15_-_42158699_42158719	TGCAGCATTCATGTCCCACCC	33370	hsa-miR-4310;Derives_from=MI0015840
NovelMiR_KnownLoci_ID0006203	15_-_42158702_42158719	TGCAGCATTCATGTCCCA	33371	hsa-miR-4310;Derives_from=MI0015840
NovelMiR_KnownLoci_ID0006204	15_-_42158707_42158723	ACATTGCAGCATTCATG	33372	hsa-miR-4310;Derives_from=MI0015840
NovelMiR_KnownLoci_ID0006205	15_-_42491788_42491810	TCTTTTCTTTGAGACTCACTACC	33373	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006206	15_-_42491788_42491811	CTCTTTTCTTTGAGACTCACTACC	33374	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006207	15_-_42491788_42491812	CCTCTTTTCTTTGAGACTCACTAC C	33375	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006208	15_-_42491788_42491813	TCCTCTTTTCTTTGAGACTCACTA CC	33376	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006209	15_-_42491789_42491810	TCTTTTCTTTGAGACTCACTAC	33377	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006210	15_-_42491789_42491811	CTCTTTTCTTTGAGACTCACTAC	33378	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006211	15_-_42491789_42491812	CCTCTTTTCTTTGAGACTCACTAC	33379	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006212	15_-_42491790_42491810	TCTTTTCTTTGAGACTCACTA	33380	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006213	15_-_42491790_42491811	CTCTTTTCTTTGAGACTCACTA	33381	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006214	15_-_42491790_42491813	TCCTCTTTTCTTTGAGACTCACTA	33382	hsa-miR-627-3p;Derives_from=MI0003641

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006215	15_-_42491791_42491811	CTCTTTTCTTTGAGACTCACT	33383	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006216	15_-_42491791_42491812	CCTCTTTTCTTTGAGACTCACT	33384	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006217	15_-_42491791_42491813	TCCTCTTTTCTTTGAGACTCACT	33385	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006218	15_-_42491792_42491813	TCCTCTTTTCTTTGAGACTCAC	33386	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006219	15_-_42491793_42491811	CTCTTTTCTTTGAGACTCA	33387	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006220	15_-_42491793_42491813	TCCTCTTTTCTTTGAGACTCA	33388	hsa-miR-627-3p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006221	15_-_42491822_42491848	TGAGTCTCTAAGAAAAGAGGAGGTGGT	33389	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006222	15_-_42491824_42491848	TGAGTCTCTAAGAAAAGAGGAGGTG	33390	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006223	15_-_42491825_42491848	TGAGTCTCTAAGAAAAGAGGAGGT	33391	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006224	15_-_42491826_42491848	TGAGTCTCTAAGAAAAGAGGAGG	33392	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006225	15_-_42491826_42491849	GTGAGTCTCTAAGAAAAGAGGAGG	33393	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006226	15_-_42491827_42491848	TGAGTCTCTAAGAAAAGAGGAG	33394	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006227	15_-_42491827_42491849	GTGAGTCTCTAAGAAAAGAGGAG	33395	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006228	15_-_42491828_42491848	TGAGTCTCTAAGAAAAGAGGA	33396	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006229	15_-_42491829_42491849	GTGAGTCTCTAAGAAAAGAGG	33397	hsa-miR-627-5p;Derives_from=MI0003641
NovelMiR_KnownLoci_ID0006230	15_-_42491830_42491849	GTGAGTCTCTAAGAAAAGAG	33398	hsa-miR-627-5p;Derives_from=MI0003641

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006231	1_+_54519758_54519773	ACGCTCTAGCGGGGAT	33399	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006232	1_+_54519758_54519774	ACGCTCTAGCGGGGATT	33400	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006233	1_+_54519758_54519775	ACGCTCTAGCGGGGATTC	33401	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006234	1_+_54519758_54519776	ACGCTCTAGCGGGGATTCC	33402	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006235	1_+_54519758_54519778	ACGCTCTAGCGGGGATTCCAA	33403	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006236	1_+_54519758_54519779	ACGCTCTAGCGGGGATTCCAAT	33404	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006237	1_+_54519759_54519780	CGCTCTAGCGGGGATTCCAATA	33405	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006238	1_+_54519762_54519783	TCTAGCGGGGATTCCAATATTG	33406	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006239	1_+_54519763_54519782	CTAGCGGGGATTCCAATATT	33407	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006240	1_+_54519763_54519783	CTAGCGGGGATTCCAATATTG	33408	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006241	1_+_54519763_54519784	CTAGCGGGGATTCCAATATTGG	33409	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006242	1_+_54519765_54519785	AGCGGGGATTCCAATATTGGG	33410	hsa-miR-4781-5p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006243	1_+_54519796_54519814	CAATGTTGGAATCCTCGCT	33411	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006244	1_+_54519796_54519816	CAATGTTGGAATCCTCGCTAG	33412	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006245	1_+_54519796_54519817	CAATGTTGGAATCCTCGCTAGA	33413	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006246	1_+_54519796_54519818	CAATGTTGGAATCCTCGCTAGAG	33414	hsa-miR-4781-3p;Derives_from=MI0017426

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006247	1_+_54519796_54519819	CAATGTTGGAATCCTCGCTAGAGC	33415	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006248	1_+_54519797_54519813	AATGTTGGAATCCTCGC	33416	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006249	1_+_54519797_54519816	AATGTTGGAATCCTCGCTAG	33417	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006250	1_+_54519797_54519817	AATGTTGGAATCCTCGCTAGA	33418	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006251	1_+_54519797_54519819	AATGTTGGAATCCTCGCTAGAGC	33419	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006252	1_+_54519798_54519819	ATGTTGGAATCCTCGCTAGAGC	33420	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006253	1_+_54519798_54519821	ATGTTGGAATCCTCGCTAGAGCGT	33421	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006254	1_+_54519799_54519817	TGTTGGAATCCTCGCTAGA	33422	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006255	1_+_54519799_54519820	TGTTGGAATCCTCGCTAGAGCG	33423	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006256	1_+_54519799_54519821	TGTTGGAATCCTCGCTAGAGCGT	33424	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006257	1_+_54519800_54519821	GTTGGAATCCTCGCTAGAGCGT	33425	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006258	1_+_54519801_54519822	TTGGAATCCTCGCTAGAGCGTG	33426	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006259	1_+_54519801_54519823	TTGGAATCCTCGCTAGAGCGTGC	33427	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006260	1_+_54519804_54519824	GAATCCTCGCTAGAGCGTGCA	33428	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006261	1_+_54519805_54519824	AATCCTCGCTAGAGCGTGCA	33429	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006262	1_+_54519806_54519824	ATCCTCGCTAGAGCGTGCA	33430	hsa-miR-4781-3p;Derives_from=MI0017426

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006263	1_+_54519808_54519824	CCTCGCTAGAGCGTGCA	33431	hsa-miR-4781-3p;Derives_from=MI0017426
NovelMiR_KnownLoci_ID0006264	15_+_45725295_45725311	AGTGTGCGGAAATGCTT	33432	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006265	15_+_45725295_45725314	AGTGTGCGGAAATGCTTCTG	33433	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006266	15_+_45725295_45725315	AGTGTGCGGAAATGCTTCTGC	33434	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006267	15_+_45725295_45725316	AGTGTGCGGAAATGCTTCTGCT	33435	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006268	15_+_45725295_45725317	AGTGTGCGGAAATGCTTCTGCTA	33436	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006269	15_+_45725296_45725311	GTGTGCGGAAATGCTT	33437	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006270	15_+_45725296_45725313	GTGTGCGGAAATGCTTCT	33438	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006271	15_+_45725296_45725314	GTGTGCGGAAATGCTTCTG	33439	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006272	15_+_45725296_45725315	GTGTGCGGAAATGCTTCTGC	33440	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006273	15_+_45725296_45725316	GTGTGCGGAAATGCTTCTGCT	33441	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006274	15_+_45725296_45725318	GTGTGCGGAAATGCTTCTGCTAC	33442	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006275	15_+_45725296_45725319	GTGTGCGGAAATGCTTCTGCTACA	33443	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006276	15_+_45725296_45725320	GTGTGCGGAAATGCTTCTGCTACAT	33444	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006277	15_+_45725296_45725321	GTGTGCGGAAATGCTTCTGCTACATT	33445	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006278	15_+_45725297_45725316	TGTGCGGAAATGCTTCTGCT	33446	hsa-miR-147b;Derives_from=MI0005544

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006279	15_+_45725297_45725321	TGTGCGGAAATGCTTCTGCTACATT	33447	hsa-miR-147b;Derives_from=MI0005544
NovelMiR_KnownLoci_ID0006280	15_-_49461270_49461287	GAAACATGGAGACAAAGT	33448	hsa-miR-4716-3p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006281	15_-_49461317_49461339	TCCATGTTTCCTTCCCCCTTCTG	33449	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006282	15_-_49461318_49461337	CATGTTTCCTTCCCCCTTCT	33450	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006283	15_-_49461318_49461340	CTCCATGTTTCCTTCCCCCTTCT	33451	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006284	15_-_49461318_49461341	TCTCCATGTTTCCTTCCCCCTTCT	33452	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006285	15_-_49461328_49461345	TTTGTCTCCATGTTTCCT	33453	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006286	15_-_49461329_49461345	TTTGTCTCCATGTTTCC	33454	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006287	15_-_49461330_49461345	TTTGTCTCCATGTTTC	33455	hsa-miR-4716-5p;Derives_from=MI0017350
NovelMiR_KnownLoci_ID0006288	15_+_50652528_50652548	CAGGATTCCAGTACAGGTCTC	33456	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006289	15_+_50652533_50652553	TTCCAGTACAGGTCTCTCATT	33457	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006290	15_+_50652533_50652555	TTCCAGTACAGGTCTCTCATTTC	33458	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006291	15_+_50652533_50652560	TTCCAGTACAGGTCTCTCATTTCCTTCA	33459	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006292	15_+_50652534_50652553	TCCAGTACAGGTCTCTCATT	33460	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006293	15_+_50652534_50652554	TCCAGTACAGGTCTCTCATTT	33461	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006294	15_+_50652535_50652555	CCAGTACAGGTCTCTCATTTC	33462	hsa-miR-4712-5p;Derives_from=MI0017346

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006295	15_+_50652535_50652556	CCAGTACAGGTCTCTCATTTCC	33463	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006296	15_+_50652535_50652557	CCAGTACAGGTCTCTCATTTCCT	33464	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006297	15_+_50652539_50652560	TACAGGTCTCTCATTTCCTTCA	33465	hsa-miR-4712-5p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006298	15_+_50652577_50652595	TTTGAAATGAGAGACCTGT	33466	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006299	15_+_50652579_50652599	TGAAATGAGAGACCTGTACTG	33467	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006300	15_+_50652579_50652600	TGAAATGAGAGACCTGTACTGT	33468	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006301	15_+_50652579_50652603	TGAAATGAGAGACCTGTACTGTATC	33469	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006302	15_+_50652580_50652603	GAAATGAGAGACCTGTACTGTATC	33470	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006303	15_+_50652581_50652601	AAATCAGAGACCTGTACTGTA	33471	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006304	15_+_50652581_50652602	AAATGAGAGACCTGTACTGTAT	33472	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006305	15_+_50652581_50652603	AAATGAGAGACCTGTACTGTATC	33473	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006306	15_+_50652582_50652604	AATGAGAGACCTGTACTGTATCT	33474	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006307	15_+_50652592_50652608	CTGTACTGTATCTGTTA	33475	hsa-miR-4712-3p;Derives_from=MI0017346
NovelMiR_KnownLoci_ID0006308	15_+_51534396_51534414	TTTCTCCCACTACCAGGCT	33476	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006309	15_+_51534396_51534415	TTTCTCCCACTACCAGGCTC	33477	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006310	15_+_51534396_51534416	TTTCTCCCACTACCAGGCTCC	33478	hsa-miR-4713-5p;Derives_from=MI0017347

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006311	15_+_51534396_51534417	TTTCTCCCACTACCAGGCTCCC	33479	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006312	15_+_51534396_51534419	TTTCTCCCACTACCAGGCTCCCAT	33480	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006313	15_+_51534397_51534415	TTCTCCCACTACCAGGCTC	33481	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006314	15_+_51534397_51534416	TTCTCCCACTACCAGGCTCC	33482	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006315	15_+_51534397_51534417	TTCTCCCACTACCAGGCTCCC	33483	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006316	15_+_51534397_51534419	TTCTCCCACTACCAGGCTCCCAT	33484	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006317	15_+_51534397_51534420	TTCTCCCACTACCAGGCTCCCATA	33485	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006318	15_+_51534398_51534419	TCTCCCACTACCAGGCTCCCAT	33486	hsa-miR-4713-5p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006319	15_+_51534430_51534448	TCGGATCCAGACAGTGGGA	33487	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006320	15_+_51534430_51534449	TGGGATCCAGACAGTGGGAG	33488	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006321	15_+_51534430_51534450	TGGGATCCAGACAGTGGGAGA	33489	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006322	15_+_51534432_51534452	GGATCCAGACAGTGGGAGAAA	33490	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006323	15_+_51534432_51534453	GGATCCAGACAGTGGGAGAAAA	33491	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006324	15_+_51534433_51534449	GATCCAGACAGTGGGAG	33492	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006325	15_+_51534433_51534454	GATCCAGACAGTGGGAGAAAAA	33493	hsa-miR-4713-3p;Derives_from=MI0017347
NovelMiR_KnownLoci_ID0006326	15_+_51606231_51606251	TGTGACCCTAGAATAATTACC	33494	hsa-miR-7973;Derives_from=MI0025748

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006327	15_-_52569323_52569347	CTGTTCTATGCCCTGAGGGACACTG	33495	hsa-miR-1266-3p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006328	15_-_52569326_52569349	CCCTGTTCTATGCCCTGAGGGACA	33496	hsa-miR-1266-3p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006329	15_-_52569327_52569349	CCCTGTTCTATGCCCTGAGGGAC	33497	hsa-miR-1266-3p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006330	15_-_52569327_52569350	GCCCTGTTCTATGCCCTGAGGGAC	33498	hsa-miR-1266-3p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006331	15_-_52569329_52569349	CCCTGTTCTATGCCCTGAGGG	33499	hsa-miR-1266-3p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006332	15_-_52569330_52569349	CCCTGTTCTATGCCCTGAGG	33500	hsa-miR-1266-3p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006333	15_-_52569357_52569376	TGTAGAACAGGGCTGGGATT	33501	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006334	15_-_52569358_52569385	CCTCAGGGCTGTAGAACAGGGCTGGGAT	33502	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006335	15_-_52569359_52569385	CCTCAGGGCTGTAGAACAGGGCTGGGA	33503	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006336	15_-_52569360_52569385	CCTCAGGGCTGTAGAACAGGGCTGGG	33504	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006337	15_-_52569361_52569385	CCTCAGGGCTGTAGAACAGGGCTGG	33505	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006338	15_-_52569362_52569385	CCTCAGGGCTGTAGAACAGGGCTG	33506	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006339	15_-_52569363_52569384	CTCAGGGCTGTAGAACAGGGCT	33507	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006340	15_-_52569364_52569385	CCTCAGGGCTGTAGAACAGGGC	33508	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006341	15_-_52569365_52569385	CCTCAGGGCTGTAGAACAGGG	33509	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006342	15_-_52569366_52569385	CCTCAGGGCTGTAGAACAGG	33510	hsa-miR-1266-5p;Derives_from=MI0006403

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006343	15_-_52569367_52569385	CCTCAGGGCTGTAGAACAG	33511	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006344	15_-_52569369_52569385	CCTCAGGGCTGTAGAAC	33512	hsa-miR-1266-5p;Derives_from=MI0006403
NovelMiR_KnownLoci_ID0006345	15_-_55665149_55665172	TCTAGTAAGAGTGGCAGTCGAAGG	33513	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006346	15_-_55665150_55665172	TCTAGTAAGAGTGGCAGTCGAAG	33514	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006347	15_-_55665150_55665173	TTCTAGTAAGAGTGGCAGTCGAAG	33515	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006348	15_-_55665151_55665172	TCTAGTAAGAGTGGCAGTCGAA	33516	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006349	15_-_55665151_55665173	TTCTAGTAAGAGTGGCAGTCGAA	33517	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006350	15_-_55665152_55665173	TTCTAGTAAGAGTGGCAGTCGA	33518	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006351	15_-_55665153_55665172	TCTAGTAAGAGTGGCAGTCG	33519	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006352	15_-_55665154_55665172	TCTAGTAAGAGTGGCAGTC	33520	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006353	15_-_55665154_55665173	TTCTAGTAAGAGTGGCAGTC	33521	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006354	15_-_55665155_55665172	TCTAGTAAGAGTGGCAGT	33522	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006355	15_-_55665155_55665173	TTCTAGTAAGAGTGGCAGT	33523	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006356	15_-_55665156_55665173	TTCTAGTAAGAGTGGCAG	33524	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006357	15_-_55665157_55665173	TTCTAGTAAGAGTGGCA	33525	hsa-miR-628-3p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006358	15_-_55665187_55665210	ATGCTGACATATTTACTAGAGGGT	33526	hsa-miR-628-5p;Derives_from=MI0003642

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006359	15_-_55665188_55665209	TGCTGACATATTTACTAGAGGG	33527	hsa-miR-628-5p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006360	15_-_55665188_55665210	ATGCTGACATATTTACTAGAGGG	33528	hsa-miR-628-5p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006361	15_-_55665190_55665210	ATGCTGACATATTTACTAGAG	33529	hsa-miR-628-5p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006362	15_-_55665191_55665210	ATGCTGACATATTTACTAGA	33530	hsa-miR-628-5p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006363	15_-_55665193_55665210	ATGCTGACATATTTACTA	33531	hsa-miR-628-5p;Derives_from=MI0003642
NovelMiR_KnownLoci_ID0006364	1_+_55691328_55691346	CAAAAGCATCAGGAAGTAC	33532	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006365	1_+_55691328_55691347	CAAAAGCATCAGGAAGTACC	33533	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006366	1_+_55691328_55691348	CAAAAGCATCAGGAAGTACCC	33534	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006367	1_+_55691328_55691349	CAAAAGCATCAGGAAGTACCCA	33535	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006368	1_+_55691328_55691350	CAAAAGCATCAGGAAGTACCCAC	33536	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006369	1_+_55691329_55691345	AAAAGCATCAGGAAGTA	33537	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006370	1_+_55691329_55691347	AAAAGCATCAGGAAGTACC	33538	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006371	1_+_55691329_55691348	AAAAGCATCAGGAAGTACCC	33539	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006372	1_+_55691329_55691350	AAAAGCATCAGGAAGTACCCAC	33540	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006373	1_+_55691329_55691351	AAAAGCATCAGGAAGTACCCACC	33541	hsa-miR-4422;Derives_from=MI0016759
NovelMiR_KnownLoci_ID0006374	1_+_55691331_55691355	AAGCATCAGGAAGTACCCACCATGT	33542	hsa-miR-4422;Derives_from=MI0016759

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006375	15_-_59463388_59463411	CCTCCCATGCCAAGAACTCCCAGA	33543	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006376	15_-_59463389_59463411	CCTCCCATGCCAAGAACTCCCAG	33544	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006377	15_-_59463389_59463412	TCCTCCCATGCCAAGAACTCCCAG	33545	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006378	15_-_59463390_59463411	CCTCCCATGCCAAGAACTCCCA	33546	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006379	15_-_59463390_59463412	TCCTCCCATGCCAAGAACTCCCA	33547	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006380	15_-_59463390_59463415	AAGTCCTCCCATGCCAAGAACTCCCA	33548	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006381	15_-_59463391_59463412	TCCTCCCATGCCAAGAACTCCC	33549	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006382	15_-_59463391_59463413	GTCCTCCCATGCCAAGAACTCCC	33550	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006383	15_-_59463392_59463411	CCTCCCATGCCAAGAACTCC	33551	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006384	15_-_59463392_59463412	TCCTCCCATGCCAAGAACTCC	33552	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006385	15_-_59463392_59463413	GTCCTCCCATGCCAAGAACTCC	33553	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006386	15_-_59463392_59463414	AGTCCTCCCATGCCAAGAACTCC	33554	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006387	15_-_59463392_59463415	AAGTCCTCCCATGCCAAGAACTCC	33555	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006388	15_-_59463394_59463413	GTCCTCCCATGCCAAGAACT	33556	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006389	15_-_59463394_59463415	AAGTCCTCCCATGCCAAGAACT	33557	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006390	15_-_59463395_59463413	GTCCTCCCATGCCAAGAAC	33558	hsa-miR-2116-3p;Derives_from=MI0010635

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006391	15_-_59463396_59463415	AAGTCCTCCCATGCCAAGAA	33559	hsa-miR-2116-3p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006392	15_-_59463423_59463448	GGTTCTTAGCATAGGAGGTCTTCCCA	33560	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006393	15_-_59463425_59463448	GGTTCTTAGCATAGGAGGTCTTCC	33561	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006394	15_-_59463426_59463445	TCTTAGCATAGGAGGTCTTC	33562	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006395	15_-_59463426_59463446	TTCTTAGCATAGGAGGTCTTC	33563	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006396	15_-_59463426_59463448	GGTTCTTAGCATAGGAGGTCTTC	33564	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006397	15_-_59463427_59463448	GGTTCTTAGCATAGGAGGTCTT	33565	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006398	15_-_59463428_59463450	GGGGTTCTTAGCATAGGAGGTCT	33566	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006399	15_-_59463429_59463448	GGTTCTTAGCATAGGAGGTC	33567	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006400	15_-_59463430_59463448	GGTTCTTAGCATAGGAGGT	33568	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006401	15_-_59463431_59463448	GGTTCTTAGCATAGGAGG	33569	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006402	15_-_59463432_59463448	GGTTCTTAGCATAGGAG	33570	hsa-miR-2116-5p;Derives_from=MI0010635
NovelMiR_KnownLoci_ID0006403	1_+_5624142_5624160	GGTGGGCTTCCCGGAGGGC	33571	hsa-miR-4417;Derives_from=MI0016753
NovelMiR_KnownLoci_ID0006404	15_-_62596896_62596911	AAACTTAGTCATAAAG	33572	hsa-miR-8067;Derives_from=MI0025903
NovelMiR_KnownLoci_ID0006405	15_-_62596896_62596912	TAAACTTAGTCATAAAG	33573	hsa-miR-8067;Derives_from=MI0025903
NovelMiR_KnownLoci_ID0006406	15_+_62635304_62635327	GTGCTGAAGGGGGCTGGGGGAGCAC	33574	hsa-miR-6085;Derives_from=MI0020362

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006407	15_+_63116170_63116188	TGATATGTTTGATATATTA	33575	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006408	15_+_63116170_63116189	TGATATGTTTGATATATTAG	33576	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006409	15_+_63116170_63116190	TGATATGTTTGATATATTAGG	33577	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006410	15_+_63116170_63116192	TGATATGTTTGATATATTAGGTT	33578	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006411	15_+_63116170_63116193	TGATATGTTTGATATATTAGGTTG	33579	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006412	15_+_63116170_63116194	TGATATGTTTGATATATTAGGTTGT	33580	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006413	15_+_63116171_63116192	GATATGTTTGATATATTAGGTT	33581	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006414	15_+_63116174_63116192	ATGTTTGATATATTAGGTT	33582	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006415	15_+_63116174_63116193	ATGTTTGATATATTAGGTTG	33583	hsa-miR-190a-5p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006416	15_+_63116206_63116224	ACTATATATCAAACATATT	33584	hsa-miR-190a-3p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006417	15_+_63116206_63116225	ACTATATATCAAACATATTC	33585	hsa-miR-190a-3p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006418	15_+_63116206_63116226	ACTATATATCAAACATATTCC	33586	hsa-miR-190a-3p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006419	15_+_63116206_63116227	ACTATATATCAAACATATTCCT	33587	hsa-miR-190a-3p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006420	15_+_63116206_63116228	ACTATATATCAAACATATTCCTA	33588	hsa-miR-190a-3p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006421	15_+_63116206_63116229	ACTATATATCAAACATATTCCTAC	33589	hsa-miR-190a-3p;Derives_from=MI0000486
NovelMiR_KnownLoci_ID0006422	15_+_63116207_63116228	CTATATATCAAACATATTCCTA	33590	hsa-miR-190a-3p;Derives_from=MI0000486

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006423	15_-_64163186_64163208	CTGGACTTAGGGTCAGAAGGCCT	33591	hsa-miR-422a;Derives_from=MI0001444
NovelMiR_KnownLoci_ID0006424	15_-_64163187_64163209	ACTGGACTTAGGGTCAGAAGGCC	33592	hsa-miR-422a;Derives_from=MI0001444
NovelMiR_KnownLoci_ID0006425	15_-_64163189_64163209	ACTGGACTTAGGGTCAGAAGG	33593	hsa-miR-422a;Derives_from=MI0001444
NovelMiR_KnownLoci_ID0006426	15_-_64163199_64163215	AGAAGCACTGGACTTAG	33594	hsa-miR-422a;Derives_from=MI0001444
NovelMiR_KnownLoci_ID0006427	15_-_65054670_65054692	GATGATGGCAGCAAAATTCTGAAA	33595	hsa-miR-1272;Derives_from=MI0006408
NovelMiR_KnownLoci_ID0006428	15_-_65054670_65054696	CGATGATGATGGCAGCAAAATTCTG AAA	33596	hsa-miR-1272;Derives_from=MI0006408
NovelMiR_KnownLoci_ID0006429	15_-_65054671_65054695	GATGATGATGGCAGCAAAATTCTGA A	33597	hsa-miR-1272;Derives_from=MI0006408
NovelMiR_KnownLoci_ID0006430	15_-_66011630_66011656	GAAGAACTGTTGCATTTGCCCTGC ACT	33598	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006431	15_-_66011633_66011655	AAGAACTGTTGCATTTGCCCTGC	33599	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006432	15_-_66011633_66011656	GAAGAACTGTTGCATTTGCCCTGC	33600	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006433	15_-_66011634_66011654	AGAACTGTTGCATTTGCCCTG	33601	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006434	15_-_66011634_66011655	AAGAACTGTTGCATTTGCCCTG	33602	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006435	15_-_66011634_66011656	GAAGAACTGTTGCATTTGCCCTG	33603	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006436	15_-_66011634_66011657	AGAAGAACTGTTGCATTTGCCCTG	33604	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006437	15_-_66011636_66011656	GAAGAACTGTTGCATTTGCCC	33605	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006438	15_-_66011636_66011662	GGGAAAGAAGAACTGTTGCATTTG CCC	33606	hsa-miR-4511;Derives_from=MI0016877

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006439	15_-_66011637_66011656	GAAGAACTGTTGCATTTGCC	33607	hsa-miR-4511;Derives_from=MI0016877
NovelMiR_KnownLoci_ID0006440	15_-_66789299_66789322	GGGCCTCACTGTATCGCCCAGGCT	33608	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006441	15_-_66789301_66789323	AGGGCCTCACTGTATCGCCCAGG	33609	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006442	15_-_66789301_66789324	CAGGGCCTCACTGTATCGCCCAGG	33610	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006443	15_-_66789302_66789323	AGGGCCTCACTGTATCGCCCAG	33611	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006444	15_-_66789302_66789324	CAGGGCCTCACTGTATCGCCCAG	33612	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006445	15_-_66789302_66789325	ACAGGGCCTCACTGTATCGCCCAG	33613	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006446	15_-_66789304_66789324	CAGGGCCTCACTGTATCGCCC	33614	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006447	15_-_66789305_66789324	CAGGGCCTCACTGTATCGCC	33615	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006448	15_-_66789305_66789325	ACAGGGCCTCACTGTATCGCC	33616	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006449	15_-_66789306_66789324	CAGGGCCTCACTGTATCGC	33617	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006450	15_-_66789307_66789323	AGGGCCTCACTGTATCG	33618	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006451	15_-_66789307_66789324	CAGGGCCTCACTGTATCG	33619	hsa-miR-4512;Derives_from=MI0016878
NovelMiR_KnownLoci_ID0006452	1_-_567761_567783	ATAGTCCGAGTAACGTCGGGGCA	33620	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006453	1_-_567761_567786	GGGATAGTCCGAGTAACGTCGGGGCA	33621	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006454	1_-_567761_567787	CGGGATAGTCCGAGTAACGTCGGGGCA	33622	hsa-miR-6723-5p;Derives_from=MI0022558

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006455	1_-_567762_567786	GGGATAGTCCGAGTAACGTCGGGGC	33623	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006456	1_-_567762_567789	ATCGGGATAGTCCGAGTAACGTCGGGGC	33624	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006457	1_-_567763_567783	ATAGTCCGAGTAACGTCGGGG	33625	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006458	1_-_567768_567787	CGGGATAGTCCGAGTAACGT	33626	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006459	1_-_567769_567787	CGGGATAGTCCGAGTAACG	33627	hsa-miR-6723-5p;Derives_from=MI0022558
NovelMiR_KnownLoci_ID0006460	15_-_70371721_70371745	TCTCCCAACGTAAGCCCAGCCCCTC	33628	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006461	15_-_70371721_70371746	TTCTCCCAACGTAAGCCCAGCCCCTC	33629	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006462	15_-_70371724_70371745	TCTCCCAACGTAAGCCCAGCCC	33630	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006463	15_-_70371724_70371747	GTTCTCCCAACGTAAGCCCAGCCC	33631	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006464	15_-_70371725_70371745	TCTCCCAACGTAAGCCCAGCC	33632	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006465	15_-_70371725_70371746	TTCTCCCAACGTAAGCCCAGCC	33633	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006466	15_-_70371725_70371747	GTTCTCCCAACGTAAGCCCAGCC	33634	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006467	15_-_70371726_70371746	TTCTCCCAACGTAAGCCCAGC	33635	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006468	15_-_70371727_70371745	TCTCCCAACGTAAGCCCAG	33636	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006469	15_-_70371727_70371747	GTTCTCCCAACGTAAGCCCAG	33637	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006470	15_-_70371728_70371747	GTTCTCCCAACGTAAGCCCA	33638	hsa-miR-629-3p;Derives_from=MI0003643

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006471	15_-_70371729_70371746	TTCTCCCAACGTAAGCCC	33639	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006472	15_-_70371729_70371747	GTTCTCCCAACGTAAGCCC	33640	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006473	15_-_70371730_70371747	GTTCTCCCAACGTAAGCC	33641	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006474	15_-_70371731_70371747	GTTCTCCCAACGTAAGC	33642	hsa-miR-629-3p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006475	15_-_70371760_70371786	TGGGTTTACGTTGGGAGAACTTTTACG	33643	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006476	15_-_70371761_70371786	TGGGTTTACGTTGGGAGAACTTTTAC	33644	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006477	15_-_70371762_70371786	TGGGTTTACGTTGGGAGAACTTTTA	33645	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006478	15_-_70371763_70371786	TGGGTTTACGTTGGGAGAACTTTT	33646	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006479	15_-_70371764_70371786	TGGGTTTACGTTGGGAGAACTTT	33647	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006480	15_-_70371765_70371786	TGGGTTTACGTTGGGAGAACTT	33648	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006481	15_-_70371767_70371786	TGGGTTTACGTTGGGAGAAC	33649	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006482	15_-_70371768_70371786	TGGGTTTACGTTGGGAGAA	33650	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006483	15_-_70371769_70371786	TGGGTTTACGTTGGGAGA	33651	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006484	15_-_70371771_70371786	TGGGTTTACGTTGGGA	33652	hsa-miR-629-5p;Derives_from=MI0003643
NovelMiR_KnownLoci_ID0006485	15_+_72879612_72879629	TGACCTAGTATTCTGTAC	33653	hsa-miR-630;Derives_from=MI0003644
NovelMiR_KnownLoci_ID0006486	15_+_72879612_72879630	TGACCTAGTATTCTGTACC	33654	hsa-miR-630;Derives_from=MI0003644

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006487	15_+_72879612_72879632	TGACCTAGTATTCTGTACCAG	33655	hsa-miR-630;Derives_from=MI0003644
NovelMiR_KnownLoci_ID0006488	15_-_74703698_74703723	ATCCTCTTTCGTCCTTCCCACTCCAG	33656	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006489	15_-_74703699_74703722	TCCTCTTTCGTCCTTCCCACTCCA	33657	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006490	15_-_74703699_74703723	ATCCTCTTTCGTCCTTCCCACTCCA	33658	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006491	15_-_74703700_74703722	TCCTCTTTCGTCCTTCCCACTCC	33659	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006492	15_-_74703700_74703723	ATCCTCTTTCGTCCTTCCCACTCC	33660	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006493	15_-_74703701_74703722	TCCTCTTTCGTCCTTCCCACTC	33661	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006494	15_-_74703701_74703723	ATCCTCTTTCGTCCTTCCCACTC	33662	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006495	15_-_74703701_74703724	GATCCTCTTTCGTCCTTCCCACTC	33663	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006496	15_-_74703702_74703725	TGATCCTCTTTCGTCCTTCCCACT	33664	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006497	15_-_74703703_74703723	ATCCTCTTTCGTCCTTCCCAC	33665	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006498	15_-_74703703_74703725	TGATCCTCTTTCGTCCTTCCCAC	33666	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006499	15_-_74703704_74703723	ATCCTCTTTCGTCCTTCCCA	33667	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006500	15_-_74703704_74703725	TGATCCTCTTTCGTCCTTCCCA	33668	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006501	15_-_74703705_74703725	TGATCCTCTTTCGTCCTTCCC	33669	hsa-miR-6881-3p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006502	15_-_74703745_74703768	TGGGGTAAGGATAGGAGGGTCAGG	33670	hsa-miR-6881-5p;Derives_from=MI0022728

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006503	15_-_74703745_74703769	CTGGGGTAAGGATAGGAGGGTCAG G	33671	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006504	15_-_74703746_74703768	TGGGGTAAGGATAGGAGGGTCAG	33672	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006505	15_-_74703746_74703769	CTGGGGTAAGGATAGGAGGGTCAG	33673	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006506	15_-_74703747_74703769	CTGGGGTAAGGATAGGAGGGTCA	33674	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006507	15_-_74703748_74703768	TGGGGTAAGGATAGGAGGGTC	33675	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006508	15_-_74703748_74703769	CTGGGGTAAGGATAGGAGGGTC	33676	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006509	15_-_74703749_74703768	TGGGGTAAGGATAGGAGGGT	33677	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006510	15_-_74703749_74703769	CTGGGGTAAGGATAGGAGGGT	33678	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006511	15_-_74703751_74703769	CTGGGGTAAGGATAGGAGG	33679	hsa-miR-6881-5p;Derives_from=MI0022728
NovelMiR_KnownLoci_ID0006512	15_-_75081058_75081075	CTGGAGGCCCATAAGCTG	33680	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006513	15_-_75081062_75081085	AGACTGACGGCTGGAGGCCCATAA	33681	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006514	15_-_75081063_75081085	AGACTGACGGCTGGAGGCCCATA	33682	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006515	15_-_75081065_75081085	AGACTGACGGCTGGAGGCCCA	33683	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006516	15_-_75081066_75081085	AGACTGACGGCTGGAGGCCC	33684	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006517	15_-_75081067_75081085	AGACTGACGGCTGGAGGCC	33685	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006518	15_-_75081070_75081090	TGGGGAGACTGACGGCTGGAG	33686	hsa-miR-4513;Derives_from=MI0016879

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006519	15_-_75081072_75081091	GTGGGGAGACTGACGGCTGG	33687	hsa-miR-4513;Derives_from=MI0016879
NovelMiR_KnownLoci_ID0006520	15_-_75132981_75133003	TGCCTCTCCTCTTGCCTGCAGAC	33688	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006521	15_-_75132982_75133003	TGCCTCTCCTCTTGCCTGCAGA	33689	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006522	15_-_75132982_75133006	TGCTGCCTCTCCTCTTGCCTGCAGA	33690	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006523	15_-_75132983_75133003	TGCCTCTCCTCTTGCCTGCAG	33691	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006524	15_-_75132984_75133006	TGCTGCCTCTCCTCTTGCCTGCA	33692	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006525	15_-_75132985_75133006	TGCTGCCTCTCCTCTTGCCTGC	33693	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006526	15_-_75132987_75133006	TGCTGCCTCTCCTCTTGCCT	33694	hsa-miR-6882-3p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006527	15_-_75133016_75133038	GTCAGGAGCTGAAGCAGCTGGAA	33695	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006528	15_-_75133016_75133040	AAGTCAGGAGCTGAAGCAGCTGGAA	33696	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006529	15_-_75133016_75133041	CAAGTCAGGAGCTGAAGCAGCTGGAA	33697	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006530	15_-_75133017_75133038	GTCAGGAGCTGAAGCAGCTGGA	33698	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006531	15_-_75133017_75133040	AAGTCAGGAGCTGAAGCAGCTGGA	33699	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006532	15_-_75133018_75133037	TCAGGAGCTGAAGCAGCTGG	33700	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006533	15_-_75133018_75133039	AGTCAGGAGCTGAAGCAGCTGG	33701	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006534	15_-_75133018_75133040	AAGTCAGGAGCTGAAGCAGCTGG	33702	hsa-miR-6882-5p;Derives_from=MI0022729

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006535	15_-_75133019_75133040	AAGTCAGGAGCTGAAGCAGCTG	33703	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006536	15_-_75133019_75133043	TACAAGTCAGGAGCTGAAGCAGCTG	33704	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006537	15_-_75133020_75133042	ACAAGTCAGGAGCTGAAGCAGCT	33705	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006538	15_-_75133020_75133043	TACAAGTCAGGAGCTGAAGCAGCT	33706	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006539	15_-_75133021_75133042	ACAAGTCAGGAGCTGAAGCAGC	33707	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006540	15_-_75133021_75133043	TACAAGTCAGGAGCTGAAGCAGC	33708	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006541	15_-_75133022_75133040	AAGTCAGGAGCTGAAGCAG	33709	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006542	15_-_75133022_75133042	ACAAGTCAGGAGCTGAAGCAG	33710	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006543	15_-_75133023_75133041	CAAGTCAGGAGCTGAAGCA	33711	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006544	15_-_75133023_75133042	ACAAGTCAGGAGCTGAAGCA	33712	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006545	15_-_75133023_75133043	TACAAGTCAGGAGCTGAAGCA	33713	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006546	15_-_75133025_75133043	TACAAGTCAGGAGCTGAAG	33714	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006547	15_-_75133026_75133042	ACAAGTCAGGAGCTGAA	33715	hsa-miR-6882-5p;Derives_from=MI0022729
NovelMiR_KnownLoci_ID0006548	15_-_75646002_75646017	CTGGTTAGACCTGGCC	33716	hsa-miR-631;Derives_from=MI0003645
NovelMiR_KnownLoci_ID0006549	15_-_76054627_76054647	CAGCCCCCTGGCCCCAAACCC	33717	hsa-miR-4313;Derives_from=MI0015843
NovelMiR_KnownLoci_ID0006550	15_+_76878987_76879004	TGGTATCCGTTTGGGGAT	33718	hsa-miR-3713;Derives_from=MI0016134

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006551	15_+_76878987_76879005	TGGTATCCGTTTGGGGATG	33719	hsa-miR-3713;Derives_from=MI0016134
NovelMiR_KnownLoci_ID0006552	15_+_76878987_76879006	TGGTATCCGTTTGGGGATGG	33720	hsa-miR-3713;Derives_from=MI0016134
NovelMiR_KnownLoci_ID0006553	15_+_76878987_76879007	TGGTATCCGTTTGGGGATGGT	33721	hsa-miR-3713;Derives_from=MI0016134
NovelMiR_KnownLoci_ID0006554	15_+_76878987_76879008	TGGTATCCGTTTGGGGATGGTT	33722	hsa-miR-3713;Derives_from=MI0016134
NovelMiR_KnownLoci_ID0006555	15_+_79502181_79502202	TTGGACGGAGAACTGATAAGGG	33723	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006556	15_+_79502181_79502204	TTGGACGGAGAACTGATAAGGGTA	33724	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006557	15_+_79502182_79502199	TGGACGGAGAACTGATAA	33725	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006558	15_+_79502182_79502200	TGGACGGAGAACTGATAAG	33726	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006559	15_+_79502182_79502201	TGGACGGAGAACTGATAAGG	33727	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006560	15_+_79502182_79502202	TGGACGGAGAACTGATAAGCG	33728	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006561	15_+_79502182_79502204	TGGACGGAGAACTGATAAGGGTA	33729	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006562	15_+_79502182_79502205	TGGACGGAGAACTGATAAGGGTAG	33730	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006563	15_+_79502182_79502207	TGGACGGAGAACTGATAAGGGTAG GT	33731	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006564	15_+_79502185_79502206	ACGGAGAACTGATAAGGGTAGG	33732	hsa-miR-184;Derives_from=MI0000481
NovelMiR_KnownLoci_ID0006565	15_+_80873519_80873536	GGTTGGGGTGCAGGGGTC	33733	hsa-miR-5572;Derives_from=MI0019117
NovelMiR_KnownLoci_ID0006566	15_-_81134331_81134353	GACAACTATGGATGAGCTCTTAA	33734	hsa-miR-549a;Derives_from=MI0003679

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006567	15_-_81134332_81134353	GACAACTATGGATGAGCTCTTA	33735	hsa-miR-549a;Derives_from=MI0003679
NovelMiR_KnownLoci_ID0006568	15_-_81134332_81134354	TGACAACTATGGATGAGCTCTTA	33736	hsa-miR-549a;Derives_from=MI0003679
NovelMiR_KnownLoci_ID0006569	15_-_81134332_81134355	GTGACAACTATGGATGAGCTCTTA	33737	hsa-miR-549a;Derives_from=MI0003679
NovelMiR_KnownLoci_ID0006570	15_-_81134333_81134354	TGACAACTATGGATGAGCTCTT	33738	hsa-miR-549a;Derives_from=MI0003679
NovelMiR_KnownLoci_ID0006571	15_-_81134333_81134355	GTGACAACTATGGATGAGCTCTT	33739	hsa-miR-549a;Derives_from=MI0003679
NovelMiR_KnownLoci_ID0006572	15_-_81134334_81134355	GTGACAACTATGGATGAGCTCT	33740	hsa-miR-549a;Derives_from=MI0003679
NovelMiR_KnownLoci_ID0006573	15_+_83736095_83736120	TGTAACAGGACTGGACTCCCGGCAGC	33741	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006574	15_+_83736098_83736120	AACAGGACTGGACTCCCGGCAGC	33742	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006575	15_+_83736099_83736120	ACAGGACTGGACTCCCGGCAGC	33743	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006576	15_+_83736099_83736122	ACAGGACTGGACTCCCGGCAGCCC	33744	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006577	15_+_83736100_83736120	CAGGACTGGACTCCCGGCAGC	33745	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006578	15_+_83736101_83736119	AGGACTGGACTCCCGGCAG	33746	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006579	15_+_83736101_83736120	AGGACTGGACTCCCGGCAGC	33747	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006580	15_+_83736101_83736121	AGGACTGGACTCCCGGCAGCC	33748	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006581	15_+_83736101_83736123	AGGACTGGACTCCCGGCAGCCCC	33749	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006582	15_+_83736101_83736124	AGGACTGGACTCCCGGCAGCCCCA	33750	hsa-miR-4515;Derives_from=MI0016881

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006583	15_+_83736101_83736125	AGGACTGGACTCCCGGCAGCCCCAG	33751	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006584	15_+_83736106_83736123	TGGACTCCCGGCAGCCCC	33752	hsa-miR-4515;Derives_from=MI0016881
NovelMiR_KnownLoci_ID0006585	15_+_85923864_85923887	CCGCGGTGAAGCGCCTGTGCTCTG	33753	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006586	15_+_85923870_85923885	TGAAGCGCCTGTGCTC	33754	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006587	15_+_85923870_85923886	TGAAGCGCCTGTGCTCT	33755	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006588	15_+_85923870_85923887	TGAAGCGCCTGTGCTCTG	33756	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006589	15_+_85923870_85923888	TGAAGCGCCTGTGCTCTGC	33757	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006590	15_+_85923870_85923889	TGAAGCGCCTGTGCTCTGCC	33758	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006591	15_+_85923870_85923890	TGAAGCGCCTGTGCTCTGCCG	33759	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006592	15_+_85923870_85923891	TGAAGCGCCTGTGCTCTGCCGA	33760	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006593	15_+_85923870_85923892	TGAAGCGCCTGTGCTCTGCCGAG	33761	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006594	15_+_85923870_85923894	TGAACCGCCTGTGCTCTGCCGAGAC	33762	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006595	15_+_85923884_85923899	TCTGCCGAGACTGCCG	33763	hsa-miR-7706;Derives_from=MI0025242
NovelMiR_KnownLoci_ID0006596	15_-_86313773_86313798	TAAAGAGCCCTGTGGAGACACCTGGA	33764	hsa-miR-1276;Derives_from=MI0006416
NovelMiR_KnownLoci_ID0006597	15_-_86313775_86313798	TAAAGAGCCCTGTGGAGACACCTG	33765	hsa-miR-1276;Derives_from=MI0006416
NovelMiR_KnownLoci_ID0006598	15_-_86313776_86313798	TAAAGAGCCCTGTGGAGACACCT	33766	hsa-miR-1276;Derives_from=MI0006416

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006599	15_-_86313777_86313798	TAAAGAGCCCTGTGGAGACACC	33767	hsa-miR-1276;Derives_from=MI0006416
NovelMiR_KnownLoci_ID0006600	15_-_86313778_86313798	TAAAGAGCCCTGTGGAGACAC	33768	hsa-miR-1276;Derives_from=MI0006416
NovelMiR_KnownLoci_ID0006601	15_-_86313780_86313798	TAAAGAGCCCTGTGGAGAC	33769	hsa-miR-1276;Derives_from=MI0006416
NovelMiR_KnownLoci_ID0006602	15_-_86313781_86313798	TAAAGAGCCCTGTGGAGA	33770	hsa-miR-1276;Derives_from=MI0006416
NovelMiR_KnownLoci_ID0006603	15_+_86368883_86368906	TGCAAAAGTAATTGCGGTCTTTGT	33771	hsa-miR-548ap-5p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006604	15_+_86368885_86368906	CAAAAGTAATTGCGGTCTTTGT	33772	hsa-miR-548ap-5p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006605	15_+_86368885_86368907	CAAAAGTAATTGCGGTCTTTGTC	33773	hsa-miR-548ap-5p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006606	15_+_86368887_86368908	AAAGTAATTGCGGTCTTTGTCA	33774	hsa-miR-548ap-5p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006607	15_+_86368924_86368944	AAAACCACAATTACTTTTTAC	33775	hsa-miR-548ap-3p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006608	15_+_86368925_86368944	AAACCACAATTACTTTTTAC	33776	hsa-miR-548ap-3p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006609	15_+_86368926_86368944	AACCACAATTACTTTTTAC	33777	hsa-miR-548ap-3p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006610	15_+_86368926_86368946	AACCACAATTACTTTTTACTG	33778	hsa-miR-548ap-3p;Derives_from=MI0017875
NovelMiR_KnownLoci_ID0006611	15_+_89151350_89151370	AGAAGCATTCTTTTCATTGGTT	33779	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006612	15_+_89151350_89151371	AGAAGCATTCTTTTCATTGGTTG	33780	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006613	15_+_89151350_89151372	AGAAGCATTCTTTTCATTGGTTGG	33781	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006614	15_+_89151351_89151372	GAAGCATTCTTTTCATTGGTTGG	33782	hsa-miR-1179;Derives_from=MI0006272

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006615	15_+_89151352_89151369	AAGCATTCTTTCATTGGT	33783	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006616	15_+_89151352_89151370	AAGCATTCTTTCATTGGTT	33784	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006617	15_+_89151352_89151371	AAGCATTCTTTCATTGGTTG	33785	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006618	15_+_89151352_89151373	AAGCATTCTTTCATTGGTTGGT	33786	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006619	15_+_89151352_89151374	AAGCATTCTTTCATTGGTTGGTG	33787	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006620	15_+_89151353_89151371	AGCATTCTTTCATTGGTTG	33788	hsa-miR-1179;Derives_from=MI0006272
NovelMiR_KnownLoci_ID0006621	15_-_89155084_89155108	CAACAAAATCACTAGTCTTCCAGAT	33789	hsa-miR-3529-3p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006622	15_+_89155084_89155109	ATCTGGAAGACTAGTGATTTTGTTGT	33790	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006623	15_+_89155086_89155105	CTGGAAGACTAGTGATTTTG	33791	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006624	15_+_89155086_89155106	CTGGAAGACTAGTGATTTTGT	33792	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006625	15_-_89155086_89155108	CAACAAAATCACTAGTCTTCCAG	33793	hsa-miR-3529-3p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006626	15_+_89155086_89155108	CTGGAAGACTAGTGATTTTGTTG	33794	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006627	15_+_89155086_89155110	CTGGAAGACTAGTGATTTTGTTGTT	33795	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006628	15_+_89155086_89155112	CTGGAAGACTAGTGATTTTGTTGTTGT	33796	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006629	15_+_89155086_89155113	CTGGAAGACTAGTGATTTTGTTGTTGTC	33797	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006630	15_+_89155087_89155111	TGGAAGACTAGTGATTTTGTTGTTG	33798	hsa-miR-7-5p;Derives_from=MI0000264

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006631	15_+_89155087_89155112	TGGAAGACTAGTGATTTTGTTGTT GT	33799	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006632	15_+_89155087_89155113	TGGAAGACTAGTGATTTTGTTGTT GTC	33800	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006633	15_+_89155087_89155114	TGGAAGACTAGTGATTTTGTTGTT GTCT	33801	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006634	15_+_89155088_89155111	GGAAGACTAGTGATTTTGTTGTTG	33802	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006635	15_+_89155088_89155113	GGAAGACTAGTGATTTTGTTGTTG TC	33803	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006636	15_+_89155093_89155111	ACTAGTGATTTTGTTGTTG	33804	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006637	15_+_89155094_89155111	CTAGTGATTTTGTTGTTG	33805	hsa-miR-7-5p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006638	15_-_89155123_89155146	AGGTAGACTGGGATTTGTTGTTGA	33806	hsa-miR-3529-5p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006639	15_-_89155124_89155146	AGGTAGACTGGGATTTGTTGTTG	33807	hsa-miR-3529-5p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006640	15_+_89155126_89155145	ACAACAAATCCCAGTCTACC	33808	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006641	15_-_89155126_89155146	AGGTAGACTGGGATTTGTTGT	33809	hsa-miR-3529-5p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006642	15_+_89155126_89155146	ACAACAAATCCCAGTCTACCT	33810	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006643	15_+_89155126_89155147	ACAACAAATCCCAGTCTACCTA	33811	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006644	15_+_89155126_89155148	ACAACAAATCCCAGTCTACCTAA	33812	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006645	15_+_89155126_89155150	ACAACAAATCCCAGTCTACCTAAT G	33813	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006646	15_+_89155127_89155142	CAACAAATCCCAGTCT	33814	hsa-miR-7-2-3p;Derives_from=MI0000264

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006647	15_-_89155127_89155146	AGGTAGACTGGGATTTGTTG	33815	hsa-miR-3529-5p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006648	15_+_89155127_89155146	CAACAAATCCCAGTCTACCT	33816	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006649	15_+_89155127_89155147	CAACAAATCCCAGTCTACCTA	33817	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006650	15_+_89155127_89155150	CAACAAATCCCAGTCTACCTAATG	33818	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006651	15_+_89155127_89155151	CAACAAATCCCAGTCTACCTAATG G	33819	hsa-miR-7-2-3p;Derives_from=MI0000264
NovelMiR_KnownLoci_ID0006652	15_-_89155128_89155146	AGGTAGACTGGGATTTGTT	33820	hsa-miR-3529-5p;Derives_from=MI0017351
NovelMiR_KnownLoci_ID0006653	15_-_89869970_89869994	TGATTGTCTTCCCCCACCCTCACA G	33821	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006654	15_-_89869971_89869994	TGATTGTCTTCCCCCACCCTCACA	33822	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006655	15_-_89869972_89869993	GATTGTCTTCCCCCACCCTCAC	33823	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006656	15_-_89869972_89869994	TGATTGTCTTCCCCCACCCTCAC	33824	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006657	15_-_89869972_89869995	CTGATTGTCTTCCCCCACCCTCAC	33825	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006658	15_-_89869973_89869993	GATTGTCTTCCCCCACCCTCA	33826	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006659	15_-_89869973_89869995	CTGATTGTCTTCCCCCACCCTCA	33827	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006660	15_-_89869974_89869994	TGATTGTCTTCCCCCACCCTC	33828	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006661	15_-_89869975_89869994	TGATTGTCTTCCCCCACCCT	33829	hsa-miR-6766-3p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006662	15_-_89870011_89870036	CGGGTGGGAGCAGATCTTATTGAG AG	33830	hsa-miR-6766-5p;Derives_from=MI0022611

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006663	15_-_89870012_89870036	CGGGTGGGAGCAGATCTTATTGAGA	33831	hsa-miR-6766-5p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006664	15_-_89870014_89870036	CGGGTGGGAGCAGATCTTATTGA	33832	hsa-miR-6766-5p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006665	15_-_89870015_89870036	CGGGTGGGAGCAGATCTTATTG	33833	hsa-miR-6766-5p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006666	15_-_89870016_89870036	CGGGTGGGAGCAGATCTTATT	33834	hsa-miR-6766-5p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006667	15_-_89870016_89870038	AGCGGGTGGGAGCAGATCTTATT	33835	hsa-miR-6766-5p;Derives_from=MI0022611
NovelMiR_KnownLoci_ID0006668	15_+_89911262_89911284	CTCTTTGGTTATCTAGCTGTATG	33836	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006669	15_+_89911262_89911285	CTCTTTGGTTATCTAGCTGTATGA	33837	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006670	15_+_89911263_89911283	TCTTTGGTTATCTAGCTGTAT	33838	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006671	15_+_89911263_89911289	TCTTTGGTTATCTAGCTGTATGAGTGC	33839	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006672	15_+_89911263_89911290	TCTTTGGTTATCTAGCTGTATGAGTGCC	33840	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006673	15_+_89911264_89911285	CTTTGGTTATCTAGCTGTATGA	33841	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006674	15_+_89911270_89911291	TTATCTAGCTGTATGAGTGCCA	33842	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006675	15_+_89911275_89911291	TAGCTGTATGAGTGCCA	33843	hsa-miR-9-5p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006676	15_+_89911296_89911317	GCCGTCATAAAGCTAGATAACC	33844	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006677	15_+_89911297_89911324	CCGTCATAAAGCTAGATAACCGAAAGTA	33845	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006678	15_+_89911298_89911313	CGTCATAAAGCTAGAT	33846	hsa-miR-9-3p;Derives_from=MI0000468

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006679	15_+_89911298_89911319	CGTCATAAAGCTAGATAACCGA	33847	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006680	15_+_89911302_89911325	ATAAAGCTAGATAACCGAAAGTAG	33848	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006681	15_+_89911302_89911326	ATAAAGCTAGATAACCGAAAGTAGA	33849	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006682	15_+_89911302_89911327	ATAAAGCTAGATAACCGAAAGTAGAA	33850	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006683	15_+_89911302_89911328	ATAAAGCTAGATAACCGAAAGTAGAAA	33851	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006684	15_+_89911303_89911323	TAAAGCTAGATAACCGAAAGT	33852	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006685	15_+_89911303_89911324	TAAAGCTAGATAACCGAAAGTA	33853	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006686	15_+_89911303_89911325	TAAAGCTAGATAACCGAAAGTAG	33854	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006687	15_+_89911303_89911326	TAAAGCTAGATAACCGAAAGTAGA	33855	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006688	15_+_89911303_89911327	TAAAGCTAGATAACCGAAAGTAGAA	33856	hsa-miR-9-3p;Derives_from=MI0000468
NovelMiR_KnownLoci_ID0006689	15_-_90393918_90393942	ATCAGTGAATGCCTTGAACCTAACA	33857	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006690	15_-_90393919_90393942	ATCAGTGAATGCCTTGAACCTAAC	33858	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006691	15_-_90393920_90393942	ATCAGTGAATGCCTTGAACCTAA	33859	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006692	15_-_90393920_90393943	AATCAGTGAATGCCTTGAACCTAA	33860	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006693	15_-_90393921_90393941	TCAGTGAATGCCTTGAACCTA	33861	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006694	15_-_90393921_90393942	ATCAGTGAATGCCTTGAACCTA	33862	hsa-miR-5094;Derives_from=MI0017983

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006695	15_-_90393921_90393943	AATCAGTGAATGCCTTGAACCTA	33863	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006696	15_-_90393922_90393941	TCAGTGAATGCCTTGAACCT	33864	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006697	15_-_90393922_90393942	ATCAGTGAATGCCTTGAACCT	33865	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006698	15_-_90393923_90393942	ATCAGTGAATGCCTTGAACC	33866	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006699	15_-_90393923_90393943	AATCAGTGAATGCCTTGAACC	33867	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006700	15_-_90393925_90393942	ATCAGTGAATGCCTTGAA	33868	hsa-miR-5094;Derives_from=MI0017983
NovelMiR_KnownLoci_ID0006701	15_-_90427180_90427200	CTAAATCTGAAAGTCCAAAAC	33869	hsa-miR-5009-3p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006702	15_-_90427180_90427201	CCTAAATCTGAAAGTCCAAAAC	33870	hsa-miR-5009-3p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006703	15_-_90427180_90427202	TCCTAAATCTGAAAGTCCAAAAC	33871	hsa-miR-5009-3p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006704	15_-_90427182_90427202	TCCTAAATCTGAAAGTCCAAA	33872	hsa-miR-5009-3p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006705	15_-_90427183_90427202	TCCTAAATCTGAAAGTCCAA	33873	hsa-miR-5009-3p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006706	15_-_90427184_90427202	TCCTAAATCTGAAAGTCCA	33874	hsa-miR-5009-3p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006707	15_-_90427215_90427241	TGGACTTTTTCAGATTTGGGGATATTT	33875	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006708	15_-_90427216_90427241	TGGACTTTTTCAGATTTGGGGATATT	33876	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006709	15_-_90427216_90427242	TTGGACTTTTTCAGATTTGGGGATATT	33877	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006710	15_-_90427217_90427241	TGGACTTTTTCAGATTTGGGGATAT	33878	hsa-miR-5009-5p;Derives_from=MI0017877

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006711	15_-_90427218_90427242	TTGGACTTTTTCAGATTTGGGGATA	33879	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006712	15_-_90427218_90427243	TTTGGACTTTTTCAGATTTGGGGATA	33880	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006713	15_-_90427219_90427241	TGGACTTTTTCAGATTTGGGGAT	33881	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006714	15_-_90427219_90427243	TTTGGACTTTTTCAGATTTGGGGAT	33882	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006715	15_-_90427220_90427241	TGGACTTTTTCAGATTTGGGGA	33883	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006716	15_-_90427220_90427242	TTGGACTTTTTCAGATTTGGGGA	33884	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006717	15_-_90427220_90427243	TTTGGACTTTTTCAGATTTGGGGA	33885	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006718	15_-_90427221_90427241	TGGACTTTTTCAGATTTGGGG	33886	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006719	15_-_90427222_90427242	TTGGACTTTTTCAGATTTGGG	33887	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006720	15_-_90427222_90427243	TTTGGACTTTTTCAGATTTGGG	33888	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006721	15_-_90427223_90427243	TTTGGACTTTTTCAGATTTGG	33889	hsa-miR-5009-5p;Derives_from=MI0017877
NovelMiR_KnownLoci_ID0006722	15_+_90549996_90550013	TAGTGAGTTAGAGATGCA	33890	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006723	15_+_90549996_90550015	TAGTGAGTTAGAGATGCAGA	33891	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006724	15_+_90549996_90550016	TAGTGAGTTAGAGATGCAGAG	33892	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006725	15_+_90549996_90550017	TAGTGAGTTAGAGATGCAGAGC	33893	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006726	15_+_90549996_90550019	TAGTGAGTTAGAGATGCAGAGCCC	33894	hsa-miR-3174;Derives_from=MI0014208

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006727	15_+_90549996_90550020	TAGTGAGTTAGAGATGCAGAGCCCT	33895	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006728	15_+_90549996_90550021	TAGTGAGTTAGAGATGCAGAGCCCTG	33896	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006729	15_+_90549996_90550022	TAGTGAGTTAGAGATGCAGAGCCCTGG	33897	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006730	15_+_90549997_90550017	AGTGAGTTAGAGATGCAGAGC	33898	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006731	15_+_90549997_90550018	AGTGAGTTAGAGATGCAGAGCC	33899	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006732	15_+_90549997_90550019	AGTGAGTTAGAGATGCAGAGCCC	33900	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006733	15_+_90549997_90550020	AGTGAGTTAGAGATGCAGAGCCCT	33901	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006734	15_+_90549999_90550018	TGAGTTAGAGATGCAGAGCC	33902	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006735	15_+_90550000_90550018	GAGTTAGAGATGCAGAGCC	33903	hsa-miR-3174;Derives_from=MI0014208
NovelMiR_KnownLoci_ID0006736	1_-_5922766_5922789	AGGAGACATGGTGGGGCCGGTCA	33904	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006737	1_-_5922767_5922791	TGAGGAGACATGGTGGGGCCGGTC	33905	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006738	1_-_5922768_5922792	TTGAGGAGACATGGTGGGGCCGGT	33906	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006739	1_-_5922769_5922792	TTGAGGAGACATGGTGGGGCCGG	33907	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006740	1_-_5922770_5922792	TTGAGGAGACATGGTGGGGCCG	33908	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006741	1_-_5922772_5922792	TTGAGGAGACATGGTGGGGC	33909	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006742	1_-_5922773_5922792	TTGAGGAGACATGGTGGGG	33910	hsa-miR-4689;Derives_from=MI0017322

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006743	1_-_5922774_5922792	TTGAGGAGACATGGTGGGG	33911	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006744	1_-_5922775_5922792	TTGAGGAGACATGGTGGG	33912	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006745	1_-_5922776_5922792	TTGAGGAGACATGGTGG	33913	hsa-miR-4689;Derives_from=MI0017322
NovelMiR_KnownLoci_ID0006746	15_+_93447632_93447649	GGGGGGCGGGGAGAGAAC	33914	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006747	15_+_93447635_93447657	GGGCGGGAGAGAACGCAGTGAC	33915	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006748	15_+_93447637_93447659	GCGGGGAGAGAACGCAGTGACGT	33916	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006749	15_+_93447638_93447657	CGGGGAGAGAACGCAGTGAC	33917	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006750	15_+_93447638_93447658	CGGGGAGAGAACGCAGTGACG	33918	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006751	15_+_93447638_93447660	CGGGGAGAGAACGCAGTGACGTC	33919	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006752	15_+_93447638_93447661	CGGGGAGAGAACGCAGTGACGTCT	33920	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006753	15_+_93447638_93447663	CGGGGAGAGAACGCAGTGACGTCTGG	33921	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006754	15_+_93447639_93447659	GGGGAGAGAACGCAGTGACGT	33922	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006755	15_+_93447640_93447659	GGGAGAGAACGCAGTGACGT	33923	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006756	15_+_93447642_93447659	GAGAGAACGCAGTGACGT	33924	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006757	15_+_93447644_93447660	GAGAACGCAGTGACGTC	33925	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006758	15_+_93447646_93447662	GAACGCAGTGACGTCTG	33926	hsa-miR-3175;Derives_from=MI0014209

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006759	15_+_93447646_93447665	GAACGCAGTGACGTCTGGCC	33927	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006760	15_+_93447647_93447665	AACGCAGTGACGTCTGGCC	33928	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006761	15_+_93447649_93447665	CGCAGTGACGTCTGGCC	33929	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006762	15_+_93447650_93447665	GCAGTGACGTCTGGCC	33930	hsa-miR-3175;Derives_from=MI0014209
NovelMiR_KnownLoci_ID0006763	15_+_96876486_96876507	CGCGCTCGGCGCGGGGCGCGGG	33931	hsa-miR-1469;Derives_from=MI0007074
NovelMiR_KnownLoci_ID0006764	15_+_96876486_96876509	CGCGCTCGGCGCGGGGCGCGGGCT	33932	hsa-miR-1469;Derives_from=MI0007074
NovelMiR_KnownLoci_ID0006765	15_+_96876487_96876513	GCGCTCGGCGCGGGGCGCGGGCTCCGG	33933	hsa-miR-1469;Derives_from=MI0007074
NovelMiR_KnownLoci_ID0006766	15_+_96876495_96876511	CGCGGGGCGCGGGCTCC	33934	hsa-miR-1469;Derives_from=MI0007074
NovelMiR_KnownLoci_ID0006767	15_+_96876495_96876516	CGCGGGGCGCGGGCTCCGGGTT	33935	hsa-miR-1469;Derives_from=MI0007074
NovelMiR_KnownLoci_ID0006768	15_+_99327664_99327683	AACTCTGACCCCTTAGGTTG	33936	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006769	15_+_99327664_99327684	AACTCTGACCCCTTAGGTTGA	33937	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006770	15_+_99327664_99327686	AACTCTGACCCCTTAGGTTGATG	33938	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006771	15_+_99327664_99327687	AACTCTGACCCCTTAGGTTGATGT	33939	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006772	15_+_99327665_99327683	ACTCTGACCCCTTAGGTTG	33940	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006773	15_+_99327665_99327684	ACTCTGACCCCTTAGGTTGA	33941	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006774	15_+_99327665_99327685	ACTCTGACCCCTTAGGTTGAT	33942	hsa-miR-4714-5p;Derives_from=MI0017348

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006775	15_+_99327665_99327686	ACTCTGACCCCTTAGGTTGATG	33943	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006776	15_+_99327665_99327687	ACTCTGACCCCTTAGGTTGATGT	33944	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006777	15_+_99327665_99327688	ACTCTGACCCCTTAGGTTGATGTC	33945	hsa-miR-4714-5p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006778	15_+_99327701_99327716	ACCAACCTAGGTGGTC	33946	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006779	15_+_99327701_99327721	ACCAACCTAGGTGGTCAGAGT	33947	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006780	15_+_99327701_99327722	ACCAACCTAGGTGGTCAGAGTT	33948	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006781	15_+_99327701_99327723	ACCAACCTAGGTGGTCAGAGTTG	33949	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006782	15_+_99327702_99327721	CCAACCTAGGTGGTCAGAGT	33950	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006783	15_+_99327702_99327722	CCAACCTAGGTGGTCAGAGTT	33951	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006784	15_+_99327702_99327724	CCAACCTAGGTGGTCAGAGTTGG	33952	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006785	15_+_99327703_99327721	CAACCTAGGTGGTCAGAGT	33953	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006786	15_+_99327703_99327723	CAACCTAGGTGGTCAGAGTTG	33954	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006787	15_+_99327703_99327724	CAACCTAGGTGGTCAGAGTTGG	33955	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006788	15_+_99327703_99327725	CAACCTAGGTGGTCAGAGTTGGC	33956	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006789	15_+_99327703_99327726	CAACCTAGGTGGTCAGAGTTGGCC	33957	hsa-miR-4714-3p;Derives_from=MI0017348
NovelMiR_KnownLoci_ID0006790	1_-_60198901_60198920	TCTTCTGGCTTGATGCACAT	33958	hsa-miR-4711-3p;Derives_from=MI0017345

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006791	1_-_60198902_60198924	CGTGTCTTCTGGCTTGATGCACA	33959	hsa-miR-4711-3p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006792	1_-_60198903_60198923	GTGTCTTCTGGCTTGATGCAC	33960	hsa-miR-4711-3p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006793	1_-_60198906_60198926	CTCGTGTCTTCTGGCTTGATG	33961	hsa-miR-4711-3p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006794	1_-_60198939_60198963	TGCATCAGGCCAGAAGACATGAGCC	33962	hsa-miR-4711-5p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006795	1_-_60198942_60198963	TGCATCAGGCCAGAAGACATGA	33963	hsa-miR-4711-5p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006796	1_-_60198945_60198965	TGTGCATCAGGCCAGAAGACA	33964	hsa-miR-4711-5p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006797	1_-_60198946_60198963	TGCATCAGGCCAGAAGAC	33965	hsa-miR-4711-5p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006798	1_-_60198947_60198963	TGCATCAGCCCACAAGA	33966	hsa-miR-4711-5p;Derives_from=MI0017345
NovelMiR_KnownLoci_ID0006799	16_+_12814176_12814197	GTAGCTGTACCTGAAACCAAGC	33967	hsa-miR-4718;Derives_from=MI0017353
NovelMiR_KnownLoci_ID0006800	16_+_12814178_12814197	AGCTGTACCTGAAACCAAGC	33968	hsa-miR-4718;Derives_from=MI0017353
NovelMiR_KnownLoci_ID0006801	16_+_14397836_14397857	TCGGGGTTTTGAGGGCGAGATG	33969	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006802	16_+_14397836_14397858	TCGGGGTTTTGAGGGCGAGATGA	33970	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006803	16_+_14397837_14397852	CGGGGTTTTGAGGGCG	33971	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006804	16_+_14397837_14397854	CGGGGTTTTGAGGGCGAG	33972	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006805	16_+_14397837_14397855	CGGGGTTTTGAGGGCGAGA	33973	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006806	16_+_14397837_14397856	CGGGGTTTTGAGGGCGAGAT	33974	hsa-miR-193b-5p;Derives_from=MI0003137

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006807	16_+_14397837_14397857	CGGGGTTTTGAGGGCGAGATG	33975	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006808	16_+_14397837_14397859	CGGGGTTTTGAGGGCGAGATGAG	33976	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006809	16_+_14397837_14397860	CGGGGTTTTGAGGGCGAGATGAGT	33977	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006810	16_+_14397838_14397858	GGGGTTTTGAGGGCGAGATGA	33978	hsa-miR-193b-5p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006811	16_+_14397874_14397891	AACTGGCCCTCAAAGTCC	33979	hsa-miR-193b-3p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006812	16_+_14397874_14397893	AACTGGCCCTCAAAGTCCCG	33980	hsa-miR-193b-3p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006813	16_+_14397874_14397894	AACTGGCCCTCAAAGTCCCGC	33981	hsa-miR-193b-3p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006814	16_+_14397874_14397896	AACTGGCCCTCAAAGTCCCGCTT	33982	hsa-miR-193b-3p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006815	16_+_14397874_14397897	AACTGGCCCTCAAAGTCCCGCTTT	33983	hsa-miR-193b-3p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006816	16_+_14397874_14397898	AACTGGCCCTCAAAGTCCCGCTTTT	33984	hsa-miR-193b-3p;Derives_from=MI0003137
NovelMiR_KnownLoci_ID0006817	16_+_14403155_14403173	TGAGGGACTTTTGGGGGCA	33985	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006818	16_+_14403155_14403178	TGAGGGACTTTTGGGGGCAGATGT	33986	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006819	16_+_14403156_14403183	GAGGGACTTTTGGGGGCAGATGTGTTTC	33987	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006820	16_+_14403157_14403173	AGGGACTTTTGGGGGCA	33988	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006821	16_+_14403157_14403175	AGGGACTTTTGGGGGCAGA	33989	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006822	16_+_14403157_14403176	AGGGACTTTTGGGGGCAGAT	33990	hsa-miR-365a-5p;Derives_from=MI0000767

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006823	16_+_14403157_14403177	AGGGACTTTTGGGGGCAGATG	33991	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006824	16_+_14403157_14403178	AGGGACTTTTGGGGGCAGATGT	33992	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006825	16_+_14403157_14403180	AGGGACTTTTGGGGGCAGATGTGT	33993	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006826	16_+_14403157_14403181	AGGGACTTTTGGGGGCAGATGTGT T	33994	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006827	16_+_14403157_14403182	AGGGACTTTTGGGGGCAGATGTGT TT	33995	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006828	16_+_14403157_14403183	AGGGACTTTTGGGGGCAGATGTGT TTC	33996	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006829	16_+_14403157_14403184	AGGGACTTTTGGGGGCAGATGTGT TTCC	33997	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006830	16_+_14403158_14403177	GGGACTTTTGGGGGCAGATG	33998	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006831	16_+_14403158_14403178	GGGACTTTTGGGGGCAGATGT	33999	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006832	16_+_14403158_14403179	GGGACTTTTGGGGGCAGATGTG	34000	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006833	16_+_14403158_14403180	GGGACTTTTGGGGGCAGATGTGT	34001	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006834	16_+_14403158_14403183	GGGACTTTTGGGGGCAGATGTGTT TC	34002	hsa-miR-365a-5p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006835	16_+_14403191_14403207	CTATCATAATGCCCCCTA	34003	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006836	16_+_14403191_14403211	CTATCATAATGCCCCCTAAAAA	34004	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006837	16_+_14403191_14403216	CTATCATAATGCCCCCTAAAAATCC TT	34005	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006838	16_+_14403192_14403218	TATCATAATGCCCCCTAAAAATCCT TAT	34006	hsa-miR-365a-3p;Derives_from=MI0000767

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006839	16_+_14403193_14403217	ATCATAATGCCCCTAAAAATCCTTA	34007	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006840	16_+_14403193_14403218	ATCATAATGCCCCTAAAAATCCTTAT	34008	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006841	16_+_14403197_14403221	TAATGCCCCTAAAAATCCTTATTGC	34009	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006842	16_+_14403197_14403222	TAATGCCCCTAAAAATCCTTATTGCT	34010	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006843	16_+_14403197_14403223	TAATGCCCCTAAAAATCCTTATTGCTC	34011	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006844	16_+_14403197_14403224	TAATGCCCCTAAAAATCCTTATTGCTCT	34012	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006845	16_+_14403198_14403221	AATGCCCCTAAAAATCCTTATTGC	34013	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006846	16_+_14403209_14403224	AAATCCTTATTGCTCT	34014	hsa-miR-365a-3p;Derives_from=MI0000767
NovelMiR_KnownLoci_ID0006847	16_-_15248800_15248824	TGGGGCGGAGCTTCCGGAGGCCCCG	34015	hsa-miR-3180;Derives_from=MI0016408
NovelMiR_KnownLoci_ID0006848	16_-_15704882_15704897	TTCCAGACACAACCAT	34016	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006849	16_-_15704882_15704900	AGATTCCAGACACAACCAT	34017	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006850	16_-_15704882_15704903	CAGAGATTCCAGACACAACCAT	34018	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006851	16_-_15704882_15704905	ATCAGAGATTCCAGACACAACCAT	34019	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006852	16_-_15704883_15704903	CAGAGATTCCAGACACAACCA	34020	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006853	16_-_15704883_15704907	GTATCAGAGATTCCAGACACAACCA	34021	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006854	16_-_15704884_15704908	CGTATCAGAGATTCCAGACACAACC	34022	hsa-miR-6506-3p;Derives_from=MI0022218

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006855	16_-_15704884_15704909	TCGTATCAGAGATTCCAGACACAA CC	34023	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006856	16_-_15704885_15704909	TCGTATCAGAGATTCCAGACACAA C	34024	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006857	16_-_15704889_15704907	GTATCAGAGATTCCAGACA	34025	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006858	16_-_15704890_15704915	TTGACATCGTATCAGAGATTCCAG AC	34026	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006859	16_-_15704896_15704915	TTGACATCGTATCAGAGATT	34027	hsa-miR-6506-3p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006860	16_-_15704923_15704939	CTGAATATGGTGTTTGT	34028	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006861	16_-_15704926_15704951	ACTGGGATGTCACTGAATATGGTG TT	34029	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006862	16_-_15704927_15704951	ACTGGGATGTCACTGAATATGGTG T	34030	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006863	16_-_15704928_15704949	TGGGATGTCACTGAATATGGTG	34031	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006864	16_-_15704928_15704951	ACTGGGATGTCACTGAATATGGTG	34032	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006865	16_-_15704928_15704955	AAGGACTGGGATGTCACTGAATAT GGTG	34033	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006866	16_-_15704930_15704951	ACTGGGATGTCACTGAATATGG	34034	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006867	16_-_15704931_15704951	ACTGGGATGTCACTGAATATG	34035	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006868	16_-_15704932_15704951	ACTGGGATGTCACTGAATAT	34036	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006869	16_-_15704934_15704951	ACTGGGATGTCACTGAAT	34037	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006870	16_-_15704935_15704954	AGGACTGGGATGTCACTGAA	34038	hsa-miR-6506-5p;Derives_from=MI0022218

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006871	16_-_15704938_15704955	AAGGACTGGGATGTCACT	34039	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006872	16_-_15704941_15704957	CAAAGGACTGGGATGTC	34040	hsa-miR-6506-5p;Derives_from=MI0022218
NovelMiR_KnownLoci_ID0006873	16_+_15737158_15737176	TCAGGCTCAGTCCCCTCCC	34041	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006874	16_+_15737158_15737177	TCAGGCTCAGTCCCCTCCCG	34042	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006875	16_+_15737158_15737178	TCAGGCTCAGTCCCCTCCCGA	34043	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006876	16_+_15737158_15737180	TCAGGCTCAGTCCCCTCCCGATA	34044	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006877	16_+_15737158_15737181	TCAGGCTCAGTCCCCTCCCGATAA	34045	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006878	16_+_15737158_15737183	TCAGGCTCAGTCCCCTCCCGATAAAC	34046	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006879	16_+_15737158_15737184	TCAGGCTCAGTCCCCTCCCGATAAACC	34047	hsa-miR-484;Derives_from=MI0002468
NovelMiR_KnownLoci_ID0006880	16_+_1784996_1785014	TGTGTACACACGTGCCAGG	34048	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006881	16_+_1784996_1785017	TGTGTACACACGTGCCAGGCGC	34049	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006882	16_+_1784996_1785019	TGTGTACACACGTGCCAGGCGCTG	34050	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006883	16_+_1784996_1785020	TGTGTACACACGTGCCAGGCGCTGT	34051	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006884	16_+_1784997_1785019	GTGTACACACGTGCCAGGCGCTG	34052	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006885	16_+_1784997_1785020	GTGTACACACGTGCCAGGCGCTGT	34053	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006886	16_+_1784998_1785018	TGTACACACGTGCCAGGCGCT	34054	hsa-miR-3177-5p;Derives_from=MI0014211

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006887	16_+_1784998_1785019	TGTACACACGTGCCAGGCGCTG	34055	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006888	16_+_1784998_1785020	TGTACACACGTGCCAGGCGCTGT	34056	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006889	16_+_1784998_1785022	TGTACACACGTGCCAGGCGCTGTCT	34057	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006890	16_+_1785001_1785019	ACACACGTGCCAGGCGCTG	34058	hsa-miR-3177-5p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006891	16_+_1785039_1785056	TGCACGGCACTGGGGACA	34059	hsa-miR-3177-3p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006892	16_+_1785039_1785057	TGCACGGCACTGGGGACAC	34060	hsa-miR-3177-3p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006893	16_+_1785039_1785058	TGCACGGCACTGGGGACACG	34061	hsa-miR-3177-3p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006894	16_+_1785039_1785060	TGCACGGCACTGGGGACACGTG	34062	hsa-miR-3177-3p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006895	16_+_1785039_1785061	TGCACGGCACTGGGGACACGTGG	34063	hsa-miR-3177-3p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006896	16_+_1785040_1785060	GCACGGCACTGGGGACACGTG	34064	hsa-miR-3177-3p;Derives_from=MI0014211
NovelMiR_KnownLoci_ID0006897	16_-_2140193_2140217	TGAGCCCCTGTGCCGCCCCCAGTTC	34065	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006898	16_-_2140194_2140212	CCCTGTGCCGCCCCCAGTT	34066	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006899	16_-_2140194_2140216	GAGCCCCTGTGCCGCCCCCAGTT	34067	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006900	16_-_2140194_2140219	ACTGAGCCCCTGTGCCGCCCCCAGTT	34068	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006901	16_-_2140195_2140212	CCCTGTGCCGCCCCCAGT	34069	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006902	16_-_2140195_2140213	CCCCTGTGCCGCCCCCAGT	34070	hsa-miR-1225-3p;Derives_from=MI0006311

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006903	16_-_2140195_2140215	AGCCCCTGTGCCGCCCCCAGT	34071	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006904	16_-_2140195_2140216	GAGCCCCTGTGCCGCCCCCAGT	34072	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006905	16_-_2140195_2140218	CTGAGCCCCTGTGCCGCCCCCAGT	34073	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006906	16_-_2140195_2140219	ACTGAGCCCCTGTGCCGCCCCCAGT	34074	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006907	16_-_2140195_2140220	GACTGAGCCCCTGTGCCGCCCCCAGT	34075	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006908	16_-_2140195_2140221	TGACTGAGCCCCTGTGCCGCCCCCAGT	34076	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006909	16_-_2140195_2140222	CTGACTGAGCCCCTGTGCCGCCCCCAGT	34077	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006910	16_-_2140201_2140223	ACTGACTGAGCCCCTGTGCCGCC	34078	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006911	16_-_2140203_2140222	CTGACTGAGCCCCTGTGCCG	34079	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006912	16_-_2140203_2140223	ACTGACTGAGCCCCTGTGCCG	34080	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006913	16_-_2140206_2140223	ACTGACTGAGCCCCTGTG	34081	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006914	16_-_2140207_2140223	ACTGACTGAGCCCCTGT	34082	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006915	16_-_2140208_2140223	ACTGACTGAGCCCCTG	34083	hsa-miR-1225-3p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006916	16_-_2140258_2140277	GGCCCAGTGGGGGGGAGAGG	34084	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006917	16_-_2140258_2140285	GTGGGTACGGCCCAGTGGGGGGGAGAGG	34085	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006918	16_-_2140259_2140285	GTGGGTACGGCCCAGTGGGGGGGAGAG	34086	hsa-miR-1225-5p;Derives_from=MI0006311

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006919	16_-_2140260_2140278	CGGCCCAGTGGGGGGGAGA	34087	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006920	16_-_2140260_2140285	GTGGGTACGGCCCAGTGGGGGGGAGA	34088	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006921	16_-_2140261_2140285	GTGGGTACGGCCCAGTGGGGGGGAG	34089	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006922	16_-_2140262_2140285	GTGGGTACGGCCCAGTGGGGGGGA	34090	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006923	16_-_2140263_2140285	GTGGGTACGGCCCAGTGGGGGGG	34091	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006924	16_-_2140265_2140285	GTGGGTACGGCCCAGTGGGGG	34092	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006925	16_-_2140267_2140285	GTGGGTACGGCCCAGTGGG	34093	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006926	16_-_2140268_2140285	GTGGGTACGGCCCAGTGG	34094	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006927	16_-_2140270_2140285	GTGGGTACGGCCCAGT	34095	hsa-miR-1225-5p;Derives_from=MI0006311
NovelMiR_KnownLoci_ID0006928	16_+_2183118_2183137	GGAGGGAGAAGGGTCGGGGC	34096	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006929	16_+_2183118_2183138	GGAGGGAGAAGGGTCGGGGCA	34097	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006930	16_+_2183118_2183139	GGAGGGAGAAGGGTCGGGGCAG	34098	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006931	16_+_2183119_2183137	GAGGGAGAAGGGTCGGGGC	34099	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006932	16_+_2183119_2183138	GAGGGAGAAGGGTCGGGGCA	34100	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006933	16_+_2183119_2183142	GAGGGAGAAGGGTCGGGGCAGGGA	34101	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006934	16_+_2183121_2183138	GGGAGAAGGGTCGGGGCA	34102	hsa-miR-4516;Derives_from=MI0016882

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006935	16_+_2183121_2183139	GGGAGAAGGGTCGGGGCAG	34103	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006936	16_+_2183122_2183137	GGAGAAGGGTCGGGGC	34104	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006937	16_+_2183122_2183138	GGAGAAGGGTCGGGGCA	34105	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006938	16_+_2183122_2183139	GGAGAAGGGTCGGGGCAG	34106	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006939	16_+_2183122_2183140	GGAGAAGGGTCGGGGCAGG	34107	hsa-miR-4516;Derives_from=MI0016882
NovelMiR_KnownLoci_ID0006940	16_+_2320716_2320734	CAGTGGCCAGAGCCCTGCA	34108	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006941	16_+_2320716_2320735	CAGTGGCCAGAGCCCTGCAG	34109	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006942	16_+_2320716_2320736	CAGTGGCCAGAGCCCTGCAGT	34110	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006943	16_+_2320716_2320738	CAGTGGCCAGAGCCCTGCAGTGC	34111	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006944	16_+_2320716_2320739	CAGTGGCCAGAGCCCTGCAGTGCT	34112	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006945	16_+_2320716_2320741	CAGTGGCCAGAGCCCTGCAGTGCTGG	34113	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006946	16_+_2320717_2320738	AGTGGCCAGAGCCCTGCAGTGC	34114	hsa-miR-3677-5p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006947	16_+_2320746_2320770	GGGCTTCTCGTGGGCTCTGGCCACG	34115	hsa-miR-3677-3p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006948	16_+_2320746_2320771	GGGCTTCTCGTCGGCTCTGGCCACGG	34116	hsa-miR-3677-3p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006949	16_+_2320746_2320772	GGGCTTCTCGTGGGCTCTGGCCACGGC	34117	hsa-miR-3677-3p;Derives_from=MI0016078
NovelMiR_KnownLoci_ID0006950	16_+_2321801_2321817	GGAAGGAAGGCAGGGCC	34118	hsa-miR-940;Derives_from=MI0005762

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006951	16_+_2321804_2321824	AGGAAGGCAGGGCCCCCGCTC	34119	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006952	16_+_2321805_2321824	GGAAGGCAGGGCCCCCGCTC	34120	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006953	16_+_2321807_2321823	AAGGCAGGGCCCCCGCT	34121	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006954	16_+_2321807_2321824	AAGGCAGGGCCCCCGCTC	34122	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006955	16_+_2321807_2321825	AAGGCAGGGCCCCCGCTCC	34123	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006956	16_+_2321807_2321826	AAGGCAGGGCCCCCGCTCCC	34124	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006957	16_+_2321807_2321828	AAGGCAGGGCCCCCGCTCCCCG	34125	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006958	16_+_2321807_2321829	AAGGCAGGGCCCCCGCTCCCCGG	34126	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006959	16_+_2321807_2321830	AAGGCAGGGCCCCCGCTCCCCGGG	34127	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006960	16_+_2321807_2321831	AAGGCAGGGCCCCCGCTCCCCGGGC	34128	hsa-miR-940;Derives_from=MI0005762
NovelMiR_KnownLoci_ID0006961	16_+_2324633_2324654	GCCACAGCCACCCATGTGTAGG	34129	hsa-miR-4717-5p;Derives_from=MI0017352
NovelMiR_KnownLoci_ID0006962	16_+_2324633_2324655	GCCACAGCCACCCATGTGTAGGG	34130	hsa-miR-4717-5p;Derives_from=MI0017352
NovelMiR_KnownLoci_ID0006963	16_+_2324659_2324681	GCTACACATGGGTGGCTGTGGCC	34131	hsa-miR-4717-3p;Derives_from=MI0017352
NovelMiR_KnownLoci_ID0006964	16_+_24214469_24214492	CTGGGAGGTCAAGGCTGCAGTGTC	34132	hsa-miR-1273h-5p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006965	16_+_24214470_24214492	TGGGAGGTCAAGGCTGCAGTGTC	34133	hsa-miR-1273h-5p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006966	16_+_24214506_24214528	GCTGCAGACTCGACCTCCCAGGC	34134	hsa-miR-1273h-3p;Derives_from=MI0025512

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006967	16_+_24214507_24214530	CTGCAGACTCGACCTCCCAGGCTT	34135	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006968	16_+_24214507_24214531	CTGCAGACTCGACCTCCCAGGCTTA	34136	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006969	16_+_24214507_24214532	CTGCAGACTCGACCTCCCAGGCTTAA	34137	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006970	16_+_24214507_24214533	CTGCAGACTCGACCTCCCAGGCTTAAG	34138	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006971	16_+_24214508_24214530	TGCAGACTCGACCTCCCAGGCTT	34139	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006972	16_+_24214508_24214531	TGCAGACTCGACCTCCCAGGCTTA	34140	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006973	16_+_24214508_24214532	TGCAGACTCGACCTCCCAGGCTTAA	34141	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006974	16_+_24214510_24214530	CAGACTCGACCTCCCAGGCTT	34142	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006975	16_+_24214510_24214532	CAGACTCGACCTCCCAGGCTTAA	34143	hsa-miR-1273h-3p;Derives_from=MI0025512
NovelMiR_KnownLoci_ID0006976	16_+_2495397_2495418	ATCGCAGACAGGGACACATGGA	34144	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006977	16_+_2495397_2495419	ATCGCAGACAGGGACACATGGAG	34145	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006978	16_+_2495397_2495420	ATCGCAGACAGGGACACATGGAGA	34146	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006979	16_+_2495398_2495418	TCGCAGACAGGGACACATGGA	34147	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006980	16_+_2495398_2495419	TCGCAGACAGGGACACATGGAG	34148	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006981	16_+_2495398_2495421	TCGCAGACAGGGACACATGGAGAA	34149	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006982	16_+_2495398_2495422	TCGCAGACAGGGACACATGGAGAAC	34150	hsa-miR-6767-5p;Derives_from=MI0022612

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006983	16_+_2495399_2495415	CGCAGACAGGGACACAT	34151	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006984	16_+_2495399_2495419	CGCAGACAGGGACACATGGAG	34152	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006985	16_+_2495399_2495420	CGCAGACAGGGACACATGGAGA	34153	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006986	16_+_2495399_2495421	CGCAGACAGGGACACATGGAGAA	34154	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006987	16_+_2495399_2495422	CGCAGACAGGGACACATGGAGAAC	34155	hsa-miR-6767-5p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006988	16_+_2495435_2495455	TCCCACGTGCTTCTCTTTCCG	34156	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006989	16_+_2495435_2495456	TCCCACGTGCTTCTCTTTCCGC	34157	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006990	16_+_2495435_2495457	TCCCACGTGCTTCTCTTTCCGCA	34158	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006991	16_+_2495435_2495458	TCCCACGTGCTTCTCTTTCCGCAG	34159	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006992	16_+_2495435_2495459	TCCCACGTGCTTCTCTTTCCGCAGG	34160	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006993	16_+_2495437_2495456	CCACGTGCTTCTCTTTCCGC	34161	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006994	16_+_2495437_2495459	CCACGTGCTTCTCTTTCCGCAGG	34162	hsa-miR-6767-3p;Derives_from=MI0022612
NovelMiR_KnownLoci_ID0006995	16_+_2513973_2513992	CACACAGGAAAAGCGGGGCC	34163	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0006996	16_+_2513973_2513993	CACACAGGAAAAGCGGGGCCC	34164	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0006997	16_+_2513973_2513996	CACACAGGAAAAGCGGGGCCCTGG	34165	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0006998	16_+_2513973_2513997	CACACAGGAAAAGCGGGGCCCTGGG	34166	hsa-miR-6768-5p;Derives_from=MI0022613

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0006999	16_+_2513973_2513998	CACACAGGAAAAGCGGGGCCCTGGGT	34167	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007000	16_+_2513974_2513991	ACACAGGAAAAGCGGGGC	34168	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007001	16_+_2513974_2513995	ACACAGGAAAAGCGGGGCCCTG	34169	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007002	16_+_2513974_2513997	ACACAGGAAAAGCGGGGCCCTGGG	34170	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007003	16_+_2513974_2513999	ACACAGGAAAAGCGGGGCCCTGGGTT	34171	hsa-miR-6768-5p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007004	16_+_2514012_2514031	CAAAGGCCACATTCTCCTGT	34172	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007005	16_+_2514012_2514032	CAAAGGCCACATTCTCCTGTG	34173	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007006	16_+_2514012_2514034	CAAAGGCCACATTCTCCTGTGCA	34174	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007007	16_+_2514014_2514036	AAGGCCACATTCTCCTGTGCACA	34175	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007008	16_+_2514015_2514033	AGGCCACATTCTCCTGTGC	34176	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007009	16_+_2514015_2514034	AGGCCACATTCTCCTGTGCA	34177	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007010	16_+_2514015_2514035	AGGCCACATTCTCCTGTGCAC	34178	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007011	16_+_2514015_2514036	AGGCCACATTCTCCTGTGCACA	34179	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007012	16_+_2514015_2514037	AGGCCACATTCTCCTGTGCACAC	34180	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007013	16_+_2514015_2514038	AGGCCACATTCTCCTGTGCACACA	34181	hsa-miR-6768-3p;Derives_from=MI0022613
NovelMiR_KnownLoci_ID0007014	1_+_62544506_62544529	TGGAACATAGTAGGGACTCAATAA	34182	hsa-miR-3116;Derives_from=MI0014128

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007015	1_+_62544509_62544529	AACATAGTAGGGACTCAATAA	34183	hsa-miR-3116;Derives_from=MI0014128
NovelMiR_KnownLoci_ID0007016	16_-_2581974_2581990	CGGCCGGATCGGTCGAG	34184	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007017	16_-_2581974_2581991	GCGGCCGGATCGGTCGAG	34185	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007018	16_-_2581978_2581997	CGGGGCGCGGCCGGATCGGT	34186	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007019	16_-_2581979_2581997	CGGGGCGCGGCCGGATCGG	34187	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007020	16_-_2581980_2581997	CGGGGCGCGGCCGGATCG	34188	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007021	16_-_2581981_2581998	GCGGGGCGCGGCCGGATC	34189	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007022	16_-_2581981_2581999	GGCGGGGCGCGGCCGGATC	34190	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007023	16_-_2581981_2582001	TGGGCGGGGCGCGGCCGGATC	34191	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007024	16_-_2581982_2581998	GCGGGGCGCGGCCGGAT	34192	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007025	16_-_2581982_2582002	CTGGGCGGGGCGCGGCCGGAT	34193	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007026	16_-_2581987_2582002	CTGGGCGGGGCGCGGC	34194	hsa-miR-3178;Derives_from=MI0014212
NovelMiR_KnownLoci_ID0007027	16_+_26036562_26036589	GGTGCAAAAAGTAACTGCGGTTTTTGCCT	34195	hsa-miR-548w;Derives_from=MI0014222
NovelMiR_KnownLoci_ID0007028	16_+_26036567_26036590	AAAAGTAACTGCGGTTTTTGCCTT	34196	hsa-miR-548w;Derives_from=MI0014222

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007029	16_+_26036567_26036593	AAAAGTAACTGCGGTTTTTGCCTTTCA	34197	hsa-miR-548w;Derives_from=MI0014222
NovelMiR_KnownLoci_ID0007030	16_+_26036570_26036589	AGTAACTGCGGTTTTTGCCT	34198	hsa-miR-548w;Derives_from=MI0014222
NovelMiR_KnownLoci_ID0007031	16_+_26036573_26036592	AACTGCGGTTTTTGCCTTTC	34199	hsa-miR-548w;Derives_from=MI0014222
NovelMiR_KnownLoci_ID0007032	16_-_28855242_28855257	GTGACGGTGGGCAGGG	34200	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007033	16_-_28855244_28855267	AGGGCTCCAGGTGACGGTGGGCAG	34201	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007034	16_-_28855244_28855269	TGAGGGCTCCAGGTGACGGTGGGCAG	34202	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007035	16_-_28855244_28855270	GTGAGGGCTCCAGGTGACGGTGGGCAG	34203	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007036	16_-_28855247_28855264	GCTCCAGGTGACGGTGGG	34204	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007037	16_-_28855247_28855269	TGAGGGCTCCAGGTGACGGTGGG	34205	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007038	16_-_28855247_28855270	GTGAGGGCTCCAGGTGACGGTGGG	34206	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007039	16_-_28855248_28855270	GTGAGGGCTCCAGGTGACGGTGG	34207	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007040	16_-_28855249_28855265	GGCTCCAGGTGACGGTG	34208	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007041	16_-_28855249_28855269	TGAGGGCTCCAGGTGACGGTG	34209	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007042	16_-_28855250_28855269	TGAGGGCTCCAGGTGACGGT	34210	hsa-miR-4721;Derives_from=MI0017356

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007043	16_-_28855250_28855270	GTGAGGGCTCCAGGTGACGGT	34211	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007044	16_-_28855251_28855270	GTGAGGGCTCCAGGTGACGG	34212	hsa-miR-4721;Derives_from=MI0017356
NovelMiR_KnownLoci_ID0007045	16_+_28969902_28969917	CCAGGTAAATATGATG	34213	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007046	16_+_28969907_28969925	TAAATATGATGAAACTCAC	34214	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007047	16_+_28969907_28969931	TAAATATGATGAAACTCACAGCTGA	34215	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007048	16_+_28969907_28969933	TAAATATGATGAAACTCACAGCTGAGG	34216	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007049	16_+_28969907_28969934	TAAATATGATGAAACTCACAGCTGAGGA	34217	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007050	16_+_28969908_28969926	AAATATGATGAAACTCACA	34218	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007051	16_+_28969908_28969927	AAATATGATGAAACTCACAG	34219	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007052	16_+_28969908_28969931	AAATATGATGAAACTCACAGCTGA	34220	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007053	16_+_28969908_28969933	AAATATGATGAAACTCACAGCTGAGG	34221	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007054	16_+_28969908_28969934	AAATATGATGAAACTCACAGCTGAGGA	34222	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007055	16_+_28969908_28969935	AAATATGATGAAACTCACAGCTGAGGAG	34223	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007056	16_+_28969909_28969936	AATATGATGAAACTCACAGCTGAGGAGC	34224	hsa-miR-4517;Derives_from=MI0016883
NovelMiR_KnownLoci_ID0007057	16_+_30515289_30515306	GCTCAGGGATGATAACTG	34225	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007058	16_+_30515289_30515311	GCTCAGGGATGATAACTGTGCTG	34226	hsa-miR-4518;Derives_from=MI0016884

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007059	16_+_30515289_30515313	GCTCAGGGATGATAACTGTGCTGAG	34227	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007060	16_+_30515289_30515315	GCTCAGGGATGATAACTGTGCTGAGAA	34228	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007061	16_+_30515289_30515316	GCTCAGGGATGATAACTGTGCTGAGAAG	34229	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007062	16_+_30515290_30515313	CTCAGGGATGATAACTGTGCTGAG	34230	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007063	16_+_30515290_30515314	CTCAGGGATGATAACTGTGCTGAGA	34231	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007064	16_+_30515290_30515315	CTCAGGGATGATAACTGTGCTGAGAA	34232	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007065	16_+_30515290_30515316	CTCAGGGATGATAACTGTGCTGAGAAG	34233	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007066	16_+_30515290_30515317	CTCAGGGATGATAACTGTGCTGAGAAGC	34234	hsa-miR-4518;Derives_from=MI0016884
NovelMiR_KnownLoci_ID0007067	16_-_30886616_30886632	GCGCAGGGCTGCACTGT	34235	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007068	16_-_30886616_30886634	GTGCGCAGGGCTGCACTGT	34236	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007069	16_-_30886616_30886637	GCAGTGCGCAGGGCTGCACTGT	34237	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007070	16_-_30886616_30886641	CTCAGCAGTGCGCAGGGCTGCACTGT	34238	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007071	16_-_30886618_30886639	CAGCAGTGCGCAGGGCTGCACT	34239	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007072	16_-_30886619_30886639	CAGCAGTGCGCAGGGCTGCAC	34240	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007073	16_-_30886620_30886636	CAGTGCGCAGGGCTGCA	34241	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007074	16_-_30886621_30886639	CAGCAGTGCGCAGGGCTGC	34242	hsa-miR-4519;Derives_from=MI0016885

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007075	16_-_30886623_30886641	CTCAGCAGTGCGCAGGGCT	34243	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007076	16_-_30886623_30886643	ACCTCAGCAGTGCGCAGGGCT	34244	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007077	16_-_30886623_30886645	CAACCTCAGCAGTGCGCAGGGCT	34245	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007078	16_-_30886624_30886641	CTCAGCAGTGCGCAGGGC	34246	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007079	16_-_30886624_30886643	ACCTCAGCAGTGCGCAGGGC	34247	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007080	16_-_30886624_30886645	CAACCTCAGCAGTGCGCAGGGC	34248	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007081	16_-_30886625_30886641	CTCAGCAGTGCGCAGGG	34249	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007082	16_-_30886625_30886642	CCTCAGCAGTGCGCAGGC	34250	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007083	16_-_30886625_30886643	ACCTCAGCAGTGCGCAGGG	34251	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007084	16_-_30886625_30886644	AACCTCAGCAGTGCGCAGGG	34252	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007085	16_-_30886628_30886645	CAACCTCAGCAGTGCGCA	34253	hsa-miR-4519;Derives_from=MI0016885
NovelMiR_KnownLoci_ID0007086	16_-_3535422_3535437	GAAGGCCCGGCGGAGA	34254	hsa-miR-6126;Derives_from=MI0021260
NovelMiR_KnownLoci_ID0007087	1_-_63792629_63792644	CCGGCGGTGGCTTGTG	34255	hsa-miR-6068;Derives_from=MI0020345
NovelMiR_KnownLoci_ID0007088	1_-_63792629_63792645	TCCGGCGGTGGCTTGTG	34256	hsa-miR-6068;Derives_from=MI0020345
NovelMiR_KnownLoci_ID0007089	1_-_63792632_63792650	GAGTCTCCGGCGGTGGCTT	34257	hsa-miR-6068;Derives_from=MI0020345
NovelMiR_KnownLoci_ID0007090	1_-_63792633_63792650	GAGTCTCCGGCGGTGGCT	34258	hsa-miR-6068;Derives_from=MI0020345

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007091	16_+_4721318_4721338	TAGGCCAGGTGGGTATGGAGG	34259	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007092	16_+_4721324_4721341	AGGTGGGTATGGAGGAGC	34260	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007093	16_+_4721324_4721342	AGGTGGGTATGGAGGAGCC	34261	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007094	16_+_4721324_4721343	AGGTGGGTATGGAGGAGCCC	34262	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007095	16_+_4721324_4721345	AGGTGGGTATGGAGGAGCCCTC	34263	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007096	16_+_4721324_4721346	AGGTGGGTATGGAGGAGCCCTCA	34264	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007097	16_+_4721324_4721347	AGGTGGGTATGGAGGAGCCCTCAT	34265	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007098	16_+_4721324_4721348	AGGTGGGTATGGAGGAGCCCTCATA	34266	hsa-miR-6769a-5p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007099	16_+_4721370_4721392	TGAGCCCCTCTCTGCTCTCCAGG	34267	hsa-miR-6769a-3p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007100	16_+_4721371_4721389	GAGCCCCTCTCTGCTCTCC	34268	hsa-miR-6769a-3p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007101	16_+_4721371_4721392	GAGCCCCTCTCTGCTCTCCAGG	34269	hsa-miR-6769a-3p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007102	16_+_4721371_4721393	GAGCCCCTCTCTGCTCTCCAGGT	34270	hsa-miR-6769a-3p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007103	16_+_4721371_4721394	GAGCCCCTCTCTGCTCTCCAGGTG	34271	hsa-miR-6769a-3p;Derives_from=MI0022614
NovelMiR_KnownLoci_ID0007104	1_-_6489898_6489913	GTCAGCACCAGCGCCC	34272	hsa-miR-4252;Derives_from=MI0015864
NovelMiR_KnownLoci_ID0007105	1_-_6489898_6489914	AGTCAGCACCAGCGCCC	34273	hsa-miR-4252;Derives_from=MI0015864
NovelMiR_KnownLoci_ID0007106	1_-_6489901_6489920	CCACTGAGTCAGCACCAGCG	34274	hsa-miR-4252;Derives_from=MI0015864

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007107	1_-_6489902_6489924	CTGGCCACTGAGTCAGCACCAGC	34275	hsa-miR-4252;Derives_from=MI0015864
NovelMiR_KnownLoci_ID0007108	1_-_6489903_6489924	CTGGCCACTGAGTCAGCACCAG	34276	hsa-miR-4252;Derives_from=MI0015864
NovelMiR_KnownLoci_ID0007109	1_-_6489904_6489923	TGGCCACTGAGTCAGCACCA	34277	hsa-miR-4252;Derives_from=MI0015864
NovelMiR_KnownLoci_ID0007110	16_+_50326526_50326545	TGGTGCCTCGGGAGGGCATG	34278	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007111	16_+_50326531_50326548	CCTCGGGAGGGCATGGGC	34279	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007112	16_+_50326531_50326552	CCTCGGGAGGGCATGGGCCAGG	34280	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007113	16_+_50326531_50326553	CCTCGGGAGGGCATGGGCCAGGC	34281	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007114	16_+_50326531_50326556	CCTCGGGAGGGCATGGGCCAGGCCAC	34282	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007115	16_+_50326532_50326552	CTCGGGAGGGCATGGGCCAGG	34283	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007116	16_+_50326532_50326554	CTCGGGAGGGCATGGGCCAGGCC	34284	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007117	16_+_50326532_50326555	CTCGGGAGGGCATGGGCCAGGCCA	34285	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007118	16_+_50326533_50326553	TCGGGAGGGCATGGGCCAGGC	34286	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007119	16_+_50326533_50326554	TCGGGAGGGCATGGGCCAGGCC	34287	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007120	16_+_50326533_50326555	TCGGGAGGGCATGGGCCAGGCCA	34288	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007121	16_+_50326534_50326553	CGGGAGGGCATGGGCCAGGC	34289	hsa-miR-6771-5p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007122	16_+_50326560_50326580	ATGAGCCAAACCCCTGTCTAC	34290	hsa-miR-6771-3p;Derives_from=MI0022616

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007123	16_+_50326563_50326585	AGCCAAACCCCTGTCTACCCGCA	34291	hsa-miR-6771-3p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007124	16_+_50326566_50326585	CAAACCCCTGTCTACCCGCA	34292	hsa-miR-6771-3p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007125	16_+_50326566_50326587	CAAACCCCTGTCTACCCGCAGC	34293	hsa-miR-6771-3p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007126	16_+_50326566_50326588	CAAACCCCTGTCTACCCGCAGCT	34294	hsa-miR-6771-3p;Derives_from=MI0022616
NovelMiR_KnownLoci_ID0007127	1_+_65045532_65045557	TTAACATCTGGCTATCTCACGAGACT	34295	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007128	1_+_65045533_65045554	TAACATCTGGCTATCTCACGAG	34296	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007129	1_+_65045537_65045562	ATCTGGCTATCTCACGAGACTGTATG	34297	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007130	1_+_65045538_65045558	TCTGGCTATCTCACGAGACTG	34298	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007131	1_+_65045538_65045562	TCTGGCTATCTCACGAGACTGTATG	34299	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007132	1_+_65045540_65045559	TGGCTATCTCACGAGACTGT	34300	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007133	1_+_65045540_65045561	TGGCTATCTCACGAGACTGTAT	34301	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007134	1_+_65045540_65045562	TGGCTATCTCACGAGACTGTATG	34302	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007135	1_+_65045540_65045564	TGGCTATCTCACGAGACTGTATGTC	34303	hsa-miR-4794;Derives_from=MI0017441
NovelMiR_KnownLoci_ID0007136	16_+_50776224_50776239	ATCGGGCCCTCGGCGC	34304	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007137	16_+_50776224_50776243	ATCGGGCCCTCGGCGCCGGC	34305	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007138	16_+_50776224_50776244	ATCGGGCCCTCGGCGCCGGCC	34306	hsa-miR-3181;Derives_from=MI0014223

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007139	16_+_50776224_50776245	ATCGGGCCCTCGGCGCCGGCCC	34307	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007140	16_+_50776224_50776246	ATCGGGCCCTCGGCGCCGGCCCG	34308	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007141	16_+_50776224_50776247	ATCGGGCCCTCGGCGCCGGCCCGT	34309	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007142	16_+_50776224_50776248	ATCGGGCCCTCGGCGCCGGCCCGTT	34310	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007143	16_+_50776227_50776243	GGGCCCTCGGCGCCGGC	34311	hsa-miR-3181;Derives_from=MI0014223
NovelMiR_KnownLoci_ID0007144	1_-_65523441_65523461	ATAAGGACTAGTCTGCAGTGA	34312	hsa-miR-3671;Derives_from=MI0016072
NovelMiR_KnownLoci_ID0007145	1_-_65523453_65523472	ATTTCTATCAAATAAGGACT	34313	hsa-miR-3671;Derives_from=MI0016072
NovelMiR_KnownLoci_ID0007146	1_-_65524120_65524144	ACAGTACTGTGATAACTGAAGGATG	34314	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007147	1_-_65524120_65524145	TACAGTACTGTGATAACTGAAGGATG	34315	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007148	1_-_65524120_65524146	GTACAGTACTGTGATAACTGAAGGATG	34316	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007149	1_-_65524121_65524145	TACAGTACTGTGATAACTGAAGGAT	34317	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007150	1_-_65524121_65524146	GTACAGTACTGTGATAACTGAAGGAT	34318	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007151	1_-_65524122_65524145	TACAGTACTGTGATAACTGAAGGA	34319	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007152	1_-_65524122_65524146	GTACAGTACTGTGATAACTGAAGGA	34320	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007153	1_-_65524123_65524145	TACAGTACTGTGATAACTGAAGG	34321	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007154	1_-_65524123_65524146	GTACAGTACTGTGATAACTGAAGG	34322	hsa-miR-101-3p;Derives_from=MI0000103

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007155	1_-_65524124_65524144	ACAGTACTGTGATAACTGAAG	34323	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007156	1_-_65524124_65524145	TACAGTACTGTGATAACTGAAG	34324	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007157	1_-_65524125_65524146	GTACAGTACTGTGATAACTGAA	34325	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007158	1_-_65524126_65524146	GTACAGTACTGTGATAACTGA	34326	hsa-miR-101-3p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007159	1_-_65524156_65524182	TCAGTTATCACAGTGCTGATGCTGTCT	34327	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007160	1_-_65524157_65524181	CAGTTATCACAGTGCTGATGCTGTC	34328	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007161	1_-_65524157_65524182	TCAGTTATCACAGTGCTGATGCTGTC	34329	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007162	1_-_65524158_65524181	CAGTTATCACAGTGCTGATGCTGT	34330	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007163	1_-_65524159_65524182	TCAGTTATCACAGTGCTGATGCTG	34331	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007164	1_-_65524160_65524182	TCAGTTATCACAGTGCTGATGCT	34332	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007165	1_-_65524161_65524181	CAGTTATCACAGTGCTGATGC	34333	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007166	1_-_65524161_65524182	TCAGTTATCACAGTGCTGATGC	34334	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007167	1_-_65524162_65524181	CAGTTATCACAGTGCTGATG	34335	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007168	1_-_65524162_65524182	TCAGTTATCACAGTGCTGATG	34336	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007169	1_-_65524163_65524182	TCAGTTATCACAGTGCTGAT	34337	hsa-miR-101-5p;Derives_from=MI0000103
NovelMiR_KnownLoci_ID0007170	16_+_56279489_56279508	TGTAGATACGAGCACCAGCC	34338	hsa-miR-3935;Derives_from=MI0016591

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007171	16_+_56279489_56279509	TGTAGATACGAGCACCAGCCA	34339	hsa-miR-3935;Derives_from=MI0016591
NovelMiR_KnownLoci_ID0007172	16_+_56279489_56279511	TGTAGATACGAGCACCAGCCACC	34340	hsa-miR-3935;Derives_from=MI0016591
NovelMiR_KnownLoci_ID0007173	16_+_56279490_56279511	GTAGATACGAGCACCAGCCACC	34341	hsa-miR-3935;Derives_from=MI0016591
NovelMiR_KnownLoci_ID0007174	16_+_56279490_56279512	GTAGATACGAGCACCAGCCACCC	34342	hsa-miR-3935;Derives_from=MI0016591
NovelMiR_KnownLoci_ID0007175	16_+_56279492_56279512	AGATACGAGCACCAGCCACCC	34343	hsa-miR-3935;Derives_from=MI0016591
NovelMiR_KnownLoci_ID0007176	16_+_56892439_56892462	AGCTGGTGTTGTGAATCAGGCCGA	34344	hsa-miR-138-5p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007177	16_+_56892439_56892463	AGCTGGTGTTGTGAATCAGGCCGAC	34345	hsa-miR-138-5p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007178	16_+_56892439_56892464	AGCTGGTGTTGTGAATCAGGCCGACG	34346	hsa-miR-138-5p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007179	16_+_56892439_56892465	AGCTGGTGTTGTGAATCAGGCCGACGA	34347	hsa-miR-138-5p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007180	16_+_56892480_56892505	TACCCGGCTATTTCACGACACCAGGG	34348	hsa-miR-138-2-3p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007181	16_+_56892484_56892506	CGGCTATTTCACGACACCAGGGT	34349	hsa-miR-138-2-3p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007182	16_+_56892486_56892501	GCTATTTCACGACACC	34350	hsa-miR-138-2-3p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007183	16_+_56892486_56892506	GCTATTTCACGACACCAGGGT	34351	hsa-miR-138-2-3p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007184	16_+_56892486_56892508	GCTATTTCACGACACCAGGGTTG	34352	hsa-miR-138-2-3p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007185	16_+_56892487_56892507	CTATTTCACGACACCAGGGTT	34353	hsa-miR-138-2-3p;Derives_from=MI0000455
NovelMiR_KnownLoci_ID0007186	16_+_56938238_56938257	ATAGACGTGGTGAAGGATTG	34354	hsa-miR-6863;Derives_from=MI0022710

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007187	16_+_56938238_56938260	ATAGACGTGGTGAAGGATTGAGT	34355	hsa-miR-6863;Derives_from=MI0022710
NovelMiR_KnownLoci_ID0007188	16_+_56938243_56938264	CGTGGTGAAGGATTGAGTGACC	34356	hsa-miR-6863;Derives_from=MI0022710
NovelMiR_KnownLoci_ID0007189	16_-_57806199_57806224	TTGCTCCTGACTCTGTGCCCACAGGT	34357	hsa-miR-6772-3p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007190	16_-_57806200_57806224	TTGCTCCTGACTCTGTGCCCACAGG	34358	hsa-miR-6772-3p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007191	16_-_57806201_57806224	TTGCTCCTGACTCTGTGCCCACAG	34359	hsa-miR-6772-3p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007192	16_-_57806203_57806224	TTGCTCCTGACTCTGTGCCCAC	34360	hsa-miR-6772-3p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007193	16_-_57806233_57806255	TGTAGGCTGGAGCTGAGGACTGA	34361	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007194	16_-_57806237_57806259	TGGGTGTAGGCTGGAGCTGAGGA	34362	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007195	16_-_57806237_57806260	CTGGGTGTAGGCTGGAGCTGAGGA	34363	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007196	16_-_57806238_57806260	CTGGGTGTAGGCTGGAGCTGAGG	34364	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007197	16_-_57806238_57806261	CCTGGGTGTAGGCTGGAGCTGAGG	34365	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007198	16_-_57806239_57806259	TGGGTGTAGGCTGGAGCTGAG	34366	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007199	16_-_57806239_57806261	CCTGGGTGTAGGCTGGAGCTGAG	34367	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007200	16_-_57806240_57806260	CTGGGTGTAGGCTGGAGCTGA	34368	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007201	16_-_57806240_57806261	CCTGGGTGTAGGCTGGAGCTGA	34369	hsa-miR-6772-5p;Derives_from=MI0022617
NovelMiR_KnownLoci_ID0007202	16_+_585314_585333	CAATGGTCACCTCCGGGACT	34370	hsa-miR-5587-5p;Derives_from=MI0019144

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007203	16_+_585315_585333	AATGGTCACCTCCGGGACT	34371	hsa-miR-5587-5p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007204	16_+_585315_585335	AATGGTCACCTCCGGGACTCA	34372	hsa-miR-5587-5p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007205	16_+_585316_585334	ATGGTCACCTCCGGGACTC	34373	hsa-miR-5587-5p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007206	16_+_585316_585335	ATGGTCACCTCCGGGACTCA	34374	hsa-miR-5587-5p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007207	16_+_585316_585336	ATGGTCACCTCCGGGACTCAG	34375	hsa-miR-5587-5p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007208	16_+_585316_585337	ATGGTCACCTCCGGGACTCAGC	34376	hsa-miR-5587-5p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007209	16_+_585345_585363	TGAGCCCCGGGCAGTGTGA	34377	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007210	16_+_585347_585368	AGCCCCGGGCAGTGTGATCATC	34378	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007211	16_+_585347_585369	AGCCCCGGGCAGTGTGATCATCC	34379	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007212	16_+_585347_585370	AGCCCCGGGCAGTGTGATCATCCT	34380	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007213	16_+_585348_585369	GCCCCGGGCAGTGTGATCATCC	34381	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007214	16_+_585348_585370	GCCCCGGGCAGTGTGATCATCCT	34382	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007215	16_+_585348_585371	GCCCCGGGCAGTGTGATCATCCTG	34383	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007216	16_+_585348_585372	GCCCCGGGCAGTGTGATCATCCTGG	34384	hsa-miR-5587-3p;Derives_from=MI0019144
NovelMiR_KnownLoci_ID0007217	16_+_593335_593355	GACTGGCCTGGGACTACCGGG	34385	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007218	16_+_593336_593353	ACTGGCCTGGGACTACCG	34386	hsa-miR-3176;Derives_from=MI0014210

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007219	16_+_593336_593355	ACTGGCCTGGGACTACCGGG	34387	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007220	16_+_593336_593356	ACTGGCCTGGGACTACCGGGG	34388	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007221	16_+_593336_593357	ACTGGCCTGGGACTACCGGGGG	34389	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007222	16_+_593336_593358	ACTGGCCTGGGACTACCGGGGGT	34390	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007223	16_+_593336_593359	ACTGGCCTGGGACTACCGGGGGTG	34391	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007224	16_+_593336_593360	ACTGGCCTGGGACTACCGGGGGTGG	34392	hsa-miR-3176;Derives_from=MI0014210
NovelMiR_KnownLoci_ID0007225	16_-_67236226_67236251	CTGGCCCTCTCTGCCCTTCCGTCCCC	34393	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007226	16_-_67236228_67236251	CTGGCCCTCTCTGCCCTTCCGTCC	34394	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007227	16_-_67236229_67236250	TGGCCCTCTCTGCCCTTCCGTC	34395	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007228	16_-_67236229_67236251	CTGGCCCTCTCTGCCCTTCCGTC	34396	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007229	16_-_67236231_67236251	CTGGCCCTCTCTGCCCTTCCG	34397	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007230	16_-_67236232_67236251	CTGGCCCTCTCTGCCCTTCC	34398	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007231	16_-_67236233_67236251	CTGGCCCTCTCTGCCCTTC	34399	hsa-miR-328-3p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007232	16_-_67236266_67236291	GGGGGGCAGGAGGGGCTCAGGGAGAA	34400	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007233	16_-_67236267_67236290	GGGGGCAGGAGGGGCTCAGGGAGA	34401	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007234	16_-_67236267_67236291	GGGGGGCAGGAGGGGCTCAGGGAGA	34402	hsa-miR-328-5p;Derives_from=MI0000804

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007235	16_-_67236268_67236290	GGGGGCAGGAGGGGCTCAGGGAG	34403	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007236	16_-_67236268_67236291	GGGGGGCAGGAGGGGCTCAGGGAG	34404	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007237	16_-_67236268_67236292	GGGGGGGCAGGAGGGGCTCAGGGAG	34405	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007238	16_-_67236269_67236290	GGGGGCAGGAGGGGCTCAGGGA	34406	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007239	16_-_67236269_67236291	GGGGGGCAGGAGGGGCTCAGGGA	34407	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007240	16_-_67236269_67236292	GGGGGGGCAGGAGGGGCTCAGGGA	34408	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007241	16_-_67236270_67236291	GGGGGGCAGGAGGGGCTCAGGG	34409	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007242	16_-_67236271_67236291	GGGGGGCAGGAGGGGCTCAGG	34410	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007243	16_-_67236271_67236292	GGGGGGGCAGGAGGGGCTCAGG	34411	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007244	16_-_67236272_67236292	GGGGGGGCAGGAGGGGCTCAG	34412	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007245	16_-_67236273_67236291	GGGGGGCAGGAGGGGCTCA	34413	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007246	16_-_67236275_67236292	GGGGGGGCAGGAGGGGCT	34414	hsa-miR-328-5p;Derives_from=MI0000804
NovelMiR_KnownLoci_ID0007247	16_-_68267328_68267350	ACTGTCACTTCTCTGCCCATAGG	34415	hsa-miR-6773-3p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007248	16_-_68267330_68267350	ACTGTCACTTCTCTGCCCATA	34416	hsa-miR-6773-3p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007249	16_-_68267333_68267350	ACTGTCACTTCTCTGCCC	34417	hsa-miR-6773-3p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007250	16_-_68267333_68267356	GTCTTCACTGTCACTTCTCTGCCC	34418	hsa-miR-6773-3p;Derives_from=MI0022618

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007251	16_-_68267373_68267397	TTGGGCCCAGGAGTAAACAGGATTA	34419	hsa-miR-6773-5p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007252	16_-_68267374_68267397	TTGGGCCCAGGAGTAAACAGGATT	34420	hsa-miR-6773-5p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007253	16_-_68267375_68267396	TGGGCCCAGGAGTAAACAGGAT	34421	hsa-miR-6773-5p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007254	16_-_68267376_68267397	TTGGGCCCAGGAGTAAACAGGA	34422	hsa-miR-6773-5p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007255	16_-_68267377_68267397	TTGGGCCCAGGAGTAAACAGG	34423	hsa-miR-6773-5p;Derives_from=MI0022618
NovelMiR_KnownLoci_ID0007256	16_-_69599706_69599727	GGGCTGCTGCTGTTCCTGAGCC	34424	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007257	16_-_69599707_69599728	CGGGCTGCTGCTGTTCCTGAGC	34425	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007258	16_-_69599707_69599730	CCCGGGCTGCTGCTGTTCCTGAGC	34426	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007259	16_-_69599708_69599730	CCCGGGCTGCTGCTGTTCCTGAG	34427	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007260	16_-_69599709_69599726	GGCTGCTGCTGTTCCTGA	34428	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007261	16_-_69599709_69599727	GGGCTGCTGCTGTTCCTGA	34429	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007262	16_-_69599709_69599730	CCCGGGCTGCTGCTGTTCCTGA	34430	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007263	16_-_69599709_69599731	GCCCGGGCTGCTGCTGTTCCTGA	34431	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007264	16_-_69599709_69599733	CGGCCCGGGCTGCTGCTGTTCCTGA	34432	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007265	16_-_69599710_69599730	CCCGGGCTGCTGCTGTTCCTG	34433	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007266	16_-_69599710_69599733	CGGCCCGGGCTGCTGCTGTTCCTG	34434	hsa-miR-1538;Derives_from=MI0007259

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007267	16_-_69599711_69599730	CCCGGGCTGCTGCTGTTCCT	34435	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007268	16_-_69599712_69599733	CGGCCCGGGCTGCTGCTGTTCC	34436	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007269	16_-_69599713_69599733	CGGCCCGGGCTGCTGCTGTTC	34437	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007270	16_-_69599714_69599733	CGGCCCGGGCTGCTGCTGTT	34438	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007271	16_-_69599717_69599733	CGGCCCGGGCTGCTGCT	34439	hsa-miR-1538;Derives_from=MI0007259
NovelMiR_KnownLoci_ID0007272	16_+_69967006_69967021	CAGTGGTTTTACCCTA	34440	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007273	16_+_69967006_69967022	CAGTGGTTTTACCCTAT	34441	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007274	16_+_69967006_69967024	CAGTGGTTTTACCCTATGG	34442	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007275	16_+_69967006_69967025	CAGTGGTTTTACCCTATGGT	34443	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007276	16_+_69967006_69967026	CAGTGGTTTTACCCTATGGTA	34444	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007277	16_+_69967006_69967028	CAGTGGTTTTACCCTATGGTAGG	34445	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007278	16_+_69967006_69967029	CAGTGGTTTTACCCTATGGTAGGT	34446	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007279	16_+_69967007_69967027	AGTGGTTTTACCCTATGGTAG	34447	hsa-miR-140-5p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007280	16_+_69967045_69967064	TACCACAGGGTAGAACCACG	34448	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007281	16_+_69967045_69967066	TACCACAGGGTAGAACCACGGA	34449	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007282	16_+_69967045_69967067	TACCACAGGGTAGAACCACGGAC	34450	hsa-miR-140-3p;Derives_from=MI0000456

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007283	16_+_69967045_69967068	TACCACAGGGTAGAACCACGGACA	34451	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007284	16_+_69967045_69967071	TACCACAGGGTAGAACCACGGACAGGA	34452	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007285	16_+_69967046_69967062	ACCACAGGGTAGAACCA	34453	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007286	16_+_69967046_69967063	ACCACAGGGTAGAACCAC	34454	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007287	16_+_69967046_69967064	ACCACAGGGTAGAACCACG	34455	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007288	16_+_69967046_69967065	ACCACAGGGTAGAACCACGG	34456	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007289	16_+_69967046_69967066	ACCACAGGGTAGAACCACGGA	34457	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007290	16_+_69967046_69967067	ACCACAGGGTAGAACCACGGAC	34458	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007291	16_+_69967046_69967068	ACCACAGGGTAGAACCACGGACA	34459	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007292	16_+_69967047_69967068	CCACAGGGTAGAACCACGGACA	34460	hsa-miR-140-3p;Derives_from=MI0000456
NovelMiR_KnownLoci_ID0007293	1_+_67094134_67094154	CAGACACTATACGAGTCATAT	34461	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007294	1_+_67094134_67094155	CAGACACTATACGAGTCATATA	34462	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007295	1_+_67094135_67094155	AGACACTATACGAGTCATATA	34463	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007296	1_+_67094135_67094156	AGACACTATACGAGTCATATAA	34464	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007297	1_+_67094136_67094154	GACACTATACGAGTCATAT	34465	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007298	1_+_67094136_67094155	GACACTATACGAGTCATATA	34466	hsa-miR-3117-5p;Derives_from=MI0014130

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007299	1_+_67094136_67094156	GACACTATACGAGTCATATAA	34467	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007300	1_+_67094140_67094159	CTATACGAGTCATATAAGGG	34468	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007301	1_+_67094140_67094160	CTATACGAGTCATATAAGGGA	34469	hsa-miR-3117-5p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007302	1_+_67094167_67094185	TATAGGACTCATATAGTGC	34470	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007303	1_+_67094167_67094189	TATAGGACTCATATAGTGCCAGG	34471	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007304	1_+_67094168_67094184	ATAGGACTCATATAGTG	34472	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007305	1_+_67094168_67094186	ATAGGACTCATATAGTGCC	34473	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007306	1_+_67094168_67094187	ATAGGACTCATATAGTGCCA	34474	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007307	1_+_67094168_67094189	ATAGGACTCATATAGTGCCAGG	34475	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007308	1_+_67094168_67094190	ATAGGACTCATATAGTGCCAGGT	34476	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007309	1_+_67094168_67094191	ATAGGACTCATATAGTGCCAGGTG	34477	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007310	1_+_67094168_67094193	ATAGGACTCATATAGTGCCAGGTG TT	34478	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007311	1_+_67094168_67094194	ATAGGACTCATATAGTGCCAGGTG TTT	34479	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007312	1_+_67094169_67094187	TAGGACTCATATAGTGCCA	34480	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007313	1_+_67094169_67094189	TAGGACTCATATAGTGCCAGG	34481	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007314	1_+_67094169_67094190	TAGGACTCATATAGTGCCAGGT	34482	hsa-miR-3117-3p;Derives_from=MI0014130

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007315	1_+_67094169_67094191	TAGGACTCATATAGTGCCAGGTG	34483	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007316	1_+_67094172_67094192	GACTCATATAGTGCCAGGTGT	34484	hsa-miR-3117-3p;Derives_from=MI0014130
NovelMiR_KnownLoci_ID0007317	16_+_76902884_76902906	TTCACAAATCTATAATATGCAGG	34485	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007318	16_+_76902885_76902904	TCACAAATCTATAATATGCA	34486	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007319	16_+_76902885_76902905	TCACAAATCTATAATATGCAG	34487	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007320	16_+_76902885_76902907	TCACAAATCTATAATATGCAGGT	34488	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007321	16_+_76902886_76902907	CACAAATCTATAATATGCAGGT	34489	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007322	16_+_76902887_76902905	ACAAATCTATAATATGCAG	34490	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007323	16_+_76902888_76902909	CAAATCTATAATATGCAGGTCA	34491	hsa-miR-4719;Derives_from=MI0017354
NovelMiR_KnownLoci_ID0007324	16_+_81418624_81418644	AGCCTGGCATATTTGGTATAA	34492	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007325	16_+_81418624_81418646	AGCCTGGCATATTTGGTATAACT	34493	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007326	16_+_81418625_81418646	GCCTGGCATATTTGGTATAACT	34494	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007327	16_+_81418626_81418646	CCTGCCATATTTGGTATAACT	34495	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007328	16_+_81418627_81418646	CTGGCATATTTGGTATAACT	34496	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007329	16_+_81418627_81418647	CTGGCATATTTGGTATAACTT	34497	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007330	16_+_81418628_81418646	TGGCATATTTGGTATAACT	34498	hsa-miR-4720-5p;Derives_from=MI0017355

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007331	16_+_81418628_81418651	TGGCATATTTGGTATAACTTAAGC	34499	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007332	16_+_81418630_81418651	GCATATTTGGTATAACTTAAGC	34500	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007333	16_+_81418631_81418653	CATATTTGGTATAACTTAAGCAC	34501	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007334	16_+_81418633_81418653	TATTTGGTATAACTTAAGCAC	34502	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007335	16_+_81418636_81418653	TTGGTATAACTTAAGCAC	34503	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007336	16_+_81418637_81418653	TGGTATAACTTAAGCAC	34504	hsa-miR-4720-5p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007337	16_+_81418668_81418690	TGCTTAAGTTGTACCAAGTATAG	34505	hsa-miR-4720-3p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007338	16_+_81418671_81418693	TTAAGTTGTACCAAGTATAGCCA	34506	hsa-miR-4720-3p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007339	16_+_81418676_81418694	TTGTACCAAGTATAGCCAA	34507	hsa-miR-4720-3p;Derives_from=MI0017355
NovelMiR_KnownLoci_ID0007340	16_+_81567547_81567563	TGAGGTGACCGCAGATG	34508	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007341	16_+_81567547_81567564	TGAGGTGACCGCAGATGG	34509	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007342	16_+_81567547_81567565	TGAGGTGACCGCAGATGGG	34510	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007343	16_+_81567547_81567566	TGAGGTGACCGCAGATGGGA	34511	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007344	16_+_81567547_81567568	TGAGGTGACCGCAGATGGGAAG	34512	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007345	16_+_81567547_81567569	TGAGGTGACCGCAGATGGGAAGG	34513	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007346	16_+_81567547_81567570	TGAGGTGACCGCAGATGGGAAGGA	34514	hsa-miR-7854-3p;Derives_from=MI0025524

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007347	16_+_81567547_81567571	TGAGGTGACCGCAGATGGGAAGGAA	34515	hsa-miR-7854-3p;Derives_from=MI0025524
NovelMiR_KnownLoci_ID0007348	16_+_81644956_81644976	GTCTGGCTGTGCTGTAATGCA	34516	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007349	16_+_81644956_81644978	GTCTGGCTGTGCTGTAATGCAGT	34517	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007350	16_+_81644956_81644979	GTCTGGCTGTGCTGTAATGCAGTC	34518	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007351	16_+_81644957_81644974	TCTGGCTGTGCTGTAATG	34519	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007352	16_+_81644957_81644976	TCTGGCTGTGCTGTAATGCA	34520	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007353	16_+_81644957_81644978	TCTGGCTGTGCTGTAATGCAGT	34521	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007354	16_+_81644957_81644979	TCTGGCTGTGCTGTAATGCAGTC	34522	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007355	16_+_81644958_81644978	CTGGCTGTGCTGTAATGCAGT	34523	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007356	16_+_81644959_81644978	TGGCTGTGCTGTAATGCAGT	34524	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007357	16_+_81644959_81644979	TGGCTGTGCTGTAATGCAGTC	34525	hsa-miR-6504-5p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007358	16_+_81644990_81645009	TGCATTACAGCACAGCCATT	34526	hsa-miR-6504-3p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007359	16_+_81644990_81645010	TGCATTACAGCACAGCCATTC	34527	hsa-miR-6504-3p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007360	16_+_81644992_81645009	CATTACAGCACAGCCATT	34528	hsa-miR-6504-3p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007361	16_+_81644992_81645014	CATTACAGCACAGCCATTCTCTC	34529	hsa-miR-6504-3p;Derives_from=MI0022216
NovelMiR_KnownLoci_ID0007362	16_+_81645002_81645017	CAGCCATTCTCTCTAC	34530	hsa-miR-6504-3p;Derives_from=MI0022216

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007363	16_+_820241_820260	TCTCCCACGTTGTGGCCCAG	34531	hsa-miR-662;Derives_from=MI0003670
NovelMiR_KnownLoci_ID0007364	16_+_820241_820261	TCTCCCACGTTGTGGCCCAGC	34532	hsa-miR-662;Derives_from=MI0003670
NovelMiR_KnownLoci_ID0007365	16_+_820241_820262	TCTCCCACGTTGTGGCCCAGCA	34533	hsa-miR-662;Derives_from=MI0003670
NovelMiR_KnownLoci_ID0007366	16_+_82722589_82722614	GCACCTGGACTTTGATCTTGCCATAA	34534	hsa-miR-8058;Derives_from=MI0025894
NovelMiR_KnownLoci_ID0007367	16_+_83541954_83541969	GCTTCTGTAGTGTAGT	34535	hsa-miR-3182;Derives_from=MI0014224
NovelMiR_KnownLoci_ID0007368	16_+_83541954_83541971	GCTTCTGTAGTGTAGTCC	34536	hsa-miR-3182;Derives_from=MI0014224
NovelMiR_KnownLoci_ID0007369	16_+_83541954_83541972	GCTTCTGTAGTGTAGTCCG	34537	hsa-miR-3182;Derives_from=MI0014224
NovelMiR_KnownLoci_ID0007370	16_+_83541954_83541976	GCTTCTGTAGTGTAGTCCGTGCA	34538	hsa-miR-3182;Derives_from=MI0014224
NovelMiR_KnownLoci_ID0007371	16_+_83541960_83541976	GTAGTGTAGTCCGTGCA	34539	hsa-miR-3182;Derives_from=MI0014224
NovelMiR_KnownLoci_ID0007372	16_+_83541961_83541976	TAGTGTAGTCCGTGCA	34540	hsa-miR-3182;Derives_from=MI0014224
NovelMiR_KnownLoci_ID0007373	16_-_85339837_85339858	TGAGGCTGGCTAGGAGCACAGC	34541	hsa-miR-5093;Derives_from=MI0017982
NovelMiR_KnownLoci_ID0007374	16_-_85339842_85339859	ATGAGGCTGGCTAGGAGC	34542	hsa-miR-5093;Derives_from=MI0017982
NovelMiR_KnownLoci_ID0007375	16_-_85339843_85339864	AGGAAATGAGGCTGGCTAGGAG	34543	hsa-miR-5093;Derives_from=MI0017982
NovelMiR_KnownLoci_ID0007376	16_-_85339845_85339864	AGGAAATGAGGCTGGCTAGG	34544	hsa-miR-5093;Derives_from=MI0017982
NovelMiR_KnownLoci_ID0007377	16_-_85339847_85339867	ATTAGGAAATGAGGCTGGCTA	34545	hsa-miR-5093;Derives_from=MI0017982
NovelMiR_KnownLoci_ID0007378	16_-_85775233_85775256	GAGGCAGAAGCAGGATGACAATGA	34546	hsa-miR-1910-3p;Derives_from=MI0008331

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007379	16_-_85775234_85775256	GAGGCAGAAGCAGGATGACAATG	34547	hsa-miR-1910-3p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007380	16_-_85775235_85775256	GAGGCAGAAGCAGGATGACAAT	34548	hsa-miR-1910-3p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007381	16_-_85775237_85775257	GGAGGCAGAAGCAGGATGACA	34549	hsa-miR-1910-3p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007382	16_-_85775237_85775258	GGGAGGCAGAAGCAGGATGACA	34550	hsa-miR-1910-3p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007383	16_-_85775238_85775259	AGGGAGGCAGAAGCAGGATGAC	34551	hsa-miR-1910-3p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007384	16_-_85775271_85775295	CCAGTCCTGTGCCTGCCGCCTTTG T	34552	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007385	16_-_85775272_85775295	CCAGTCCTGTGCCTGCCGCCTTTG	34553	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007386	16_-_85775273_85775295	CCAGTCCTGTGCCTGCCGCCTTT	34554	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007387	16_-_85775274_85775295	CCAGTCCTGTGCCTGCCGCCTT	34555	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007388	16_-_85775274_85775296	GCCAGTCCTGTGCCTGCCGCCTT	34556	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007389	16_-_85775276_85775295	CCAGTCCTGTGCCTGCCGCC	34557	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007390	16_-_85775277_85775295	CCAGTCCTGTGCCTGCCGC	34558	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007391	16_-_85775280_85775298	CAGCCAGTCCTGTGCCTGC	34559	hsa-miR-1910-5p;Derives_from=MI0008331
NovelMiR_KnownLoci_ID0007392	16_+_85951958_85951977	ACTTGGGCAGGAGGGACCCT	34560	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007393	16_+_85951958_85951978	ACTTGGGCAGGAGGGACCCTG	34561	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007394	16_+_85951958_85951979	ACTTGGGCAGGAGGGACCCTGT	34562	hsa-miR-6774-5p;Derives_from=MI0022619

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007395	16_+_85951958_85951980	ACTTGGGCAGGAGGGACCCTGTA	34563	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007396	16_+_85951958_85951981	ACTTGGGCAGGAGGGACCCTGTAT	34564	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007397	16_+_85951958_85951983	ACTTGGGCAGGAGGGACCCTGTATGT	34565	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007398	16_+_85951958_85951984	ACTTGGGCAGGAGGGACCCTGTATGTC	34566	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007399	16_+_85951959_85951979	CTTGGGCAGGAGGGACCCTGT	34567	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007400	16_+_85951959_85951980	CTTGGGCAGGAGGGACCCTGTA	34568	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007401	16_+_85951959_85951982	CTTGGGCAGGAGGGACCCTGTATG	34569	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007402	16_+_85951960_85951981	TTGGGCAGGAGGGACCCTGTAT	34570	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007403	16_+_85951960_85951983	TTGGGCAGGAGGGACCCTGTATGT	34571	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007404	16_+_85951960_85951984	TTGGGCAGGAGGGACCCTGTATGTC	34572	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007405	16_+_85951960_85951985	TTGGGCAGGAGGGACCCTGTATGTCT	34573	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007406	16_+_85951960_85951986	TTGGGCAGGAGGGACCCTGTATGTCTC	34574	hsa-miR-6774-5p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007407	16_+_85952000_85952019	CATCGTGTCCCTCTTGTCCA	34575	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007408	16_+_85952000_85952020	CATCGTGTCCCTCTTGTCCAC	34576	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007409	16_+_85952000_85952021	CATCGTGTCCCTCTTGTCCACA	34577	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007410	16_+_85952000_85952022	CATCGTGTCCCTCTTGTCCACAG	34578	hsa-miR-6774-3p;Derives_from=MI0022619

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007411	16_+_85952001_85952017	ATCGTGTCCCTCTTGTC	34579	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007412	16_+_85952001_85952021	ATCGTGTCCCTCTTGTCCACA	34580	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007413	16_+_85952001_85952023	ATCGTGTCCCTCTTGTCCACAGC	34581	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007414	16_+_85952002_85952020	TCGTGTCCCTCTTGTCCAC	34582	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007415	16_+_85952002_85952021	TCGTGTCCCTCTTGTCCACA	34583	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007416	16_+_85952002_85952023	TCGTGTCCCTCTTGTCCACAGC	34584	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007417	16_+_85952002_85952024	TCGTGTCCCTCTTGTCCACAGCA	34585	hsa-miR-6774-3p;Derives_from=MI0022619
NovelMiR_KnownLoci_ID0007418	1_-_68649255_68649279	TGGGTGAATTTGTAGAAGGATGAA	34586	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007419	1_-_68649257_68649279	TGGGTGAATTTGTAGAAGGATGA	34587	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007420	1_-_68649257_68649280	ATGGGTGAATTTGTAGAAGGATGA	34588	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007421	1_-_68649258_68649279	TGGGTGAATTTGTAGAAGGATG	34589	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007422	1_-_68649258_68649280	ATGGGTGAATTTGTAGAAGGATG	34590	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007423	1_-_68649258_68649281	GATGGGTGAATTTGTAGAAGGATG	34591	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007424	1_-_68649258_68649282	TGATGGGTGAATTTGTAGAAGGATG	34592	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007425	1_-_68649259_68649279	TGGGTGAATTTGTAGAAGGAT	34593	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007426	1_-_68649259_68649281	GATGGGTGAATTTGTAGAAGGAT	34594	hsa-miR-1262;Derives_from=MI0006397

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007427	1_-_68649259_68649282	TGATGGGTGAATTTGTAGAAGGAT	34595	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007428	1_-_68649260_68649279	TGGGTGAATTTGTAGAAGGA	34596	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007429	1_-_68649260_68649280	ATGGGTGAATTTGTAGAAGGA	34597	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007430	1_-_68649260_68649281	GATGGGTGAATTTGTAGAAGGA	34598	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007431	1_-_68649260_68649282	TGATGGGTGAATTTGTAGAAGGA	34599	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007432	1_-_68649261_68649281	GATGGGTGAATTTGTAGAAGG	34600	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007433	1_-_68649261_68649282	TGATGGGTGAATTTGTAGAAGG	34601	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007434	1_-_68649263_68649282	TGATGGGTGAATTTGTAGAA	34602	hsa-miR-1262;Derives_from=MI0006397
NovelMiR_KnownLoci_ID0007435	16_-_87868192_87868207	TCTGCCCCAGGTGAAC	34603	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007436	16_-_87868195_87868218	AGGCCCTGTCCTCTGCCCCAGGTG	34604	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007437	16_-_87868196_87868218	AGGCCCTGTCCTCTGCCCCAGGT	34605	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007438	16_-_87868197_87868218	AGGCCCTGTCCTCTGCCCCAGG	34606	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007439	16_-_87868197_87868219	CAGGCCCTGTCCTCTGCCCCAGG	34607	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007440	16_-_87868198_87868219	CAGGCCCTGTCCTCTGCCCCAG	34608	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007441	16_-_87868199_87868218	AGGCCCTGTCCTCTGCCCCA	34609	hsa-miR-6775-3p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007442	16_-_87868231_87868251	GGGGAGGGAGGCTGGACAGGA	34610	hsa-miR-6775-5p;Derives_from=MI0022620

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007443	16_-_87868231_87868253	TGGGGGAGGGAGGCTGGACAGGA	34611	hsa-miR-6775-5p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007444	16_-_87868236_87868261	TCGGGGCATGGGGGAGGGAGGCTGGA	34612	hsa-miR-6775-5p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007445	16_-_87868239_87868261	TCGGGGCATGGGGGAGGGAGGCT	34613	hsa-miR-6775-5p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007446	16_-_87868241_87868262	CTCGGGGCATGGGGGAGGGAGG	34614	hsa-miR-6775-5p;Derives_from=MI0022620
NovelMiR_KnownLoci_ID0007447	16_+_88535351_88535368	TCTGGGCACAGGCGGATG	34615	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007448	16_+_88535351_88535370	TCTGGGCACAGGCGGATGGA	34616	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007449	16_+_88535351_88535371	TCTGGGCACAGGCGGATGGAC	34617	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007450	16_+_88535351_88535372	TCTGGGCACAGGCGGATGGACA	34618	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007451	16_+_88535351_88535373	TCTGGGCACAGGCGGATGGACAG	34619	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007452	16_+_88535353_88535373	TGGGCACAGGCGGATGGACAG	34620	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007453	16_+_88535353_88535374	TGGGCACAGGCGGATGGACAGG	34621	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007454	16_+_88535353_88535376	TGGGCACAGGCGGATGGACAGGCT	34622	hsa-miR-5189-5p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007455	16_+_88535392_88535409	TGCCAACCGTCAGAGCCC	34623	hsa-miR-5189-3p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007456	16_+_88535392_88535411	TGCCAACCGTCAGAGCCCAG	34624	hsa-miR-5189-3p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007457	16_+_88535392_88535413	TGCCAACCGTCAGAGCCCAGAC	34625	hsa-miR-5189-3p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007458	16_+_88535392_88535414	TGCCAACCGTCAGAGCCCAGACC	34626	hsa-miR-5189-3p;Derives_from=MI0018168

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007459	16_+_88535392_88535415	TGCCAACCGTCAGAGCCCAGACCC	34627	hsa-miR-5189-3p;Derives_from=MI0018168
NovelMiR_KnownLoci_ID0007460	16_-_88782684_88782708	GACCTGCCAGCACCTCCCTGCAGG	34628	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007461	16_-_88782685_88782707	ACCTGCCAGCACCTCCCTGCAGG	34629	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007462	16_-_88782685_88782708	GACCTGCCAGCACCTCCCTGCAGG	34630	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007463	16_-_88782686_88782708	GACCTGCCAGCACCTCCCTGCAG	34631	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007464	16_-_88782686_88782709	TGACCTGCCAGCACCTCCCTGCAG	34632	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007465	16_-_88782687_88782708	GACCTGCCAGCACCTCCCTGCA	34633	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007466	16_-_88782695_88782713	GGCCTGACCTGCCAGCACC	34634	hsa-miR-4722-3p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007467	16_-_88782722_88782743	CAGGAGGGCTGTGCCAGGTTGC	34635	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007468	16_-_88782722_88782745	GGCAGGAGGGCTGTGCCAGGTTGG	34636	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007469	16_-_88782724_88782745	GGCAGGAGGGCTGTGCCAGGTT	34637	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007470	16_-_88782725_88782745	GGCAGGAGGGCTGTGCCAGGT	34638	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007471	16_-_88782734_88782751	GTGGTGGGCAGGAGGGCT	34639	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007472	16_-_88782735_88782751	GTGGTGGGCAGGAGGGC	34640	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007473	16_-_88782736_88782751	GTGGTGGGCAGGAGGG	34641	hsa-miR-4722-5p;Derives_from=MI0017357
NovelMiR_KnownLoci_ID0007474	17_+_11985226_11985241	TGCGGGGCTAGGGCTA	34642	hsa-miR-744-5p;Derives_from=MI0005559

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007475	17_+_11985226_11985242	TGCGGGGCTAGGGCTAA	34643	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007476	17_+_11985226_11985243	TGCGGGGCTAGGGCTAAC	34644	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007477	17_+_11985226_11985244	TGCGGGGCTAGGGCTAACA	34645	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007478	17_+_11985226_11985245	TGCGGGGCTAGGGCTAACAG	34646	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007479	17_+_11985226_11985246	TGCGGGGCTAGGGCTAACAGC	34647	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007480	17_+_11985226_11985248	TGCGGGGCTAGGGCTAACAGCAG	34648	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007481	17_+_11985226_11985249	TGCGGGGCTAGGGCTAACAGCAGT	34649	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007482	17_+_11985226_11985250	TGCGGGGCTAGGGCTAACAGCAGTC	34650	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007483	17_+_11985227_11985247	GCGGGGCTAGGGCTAACAGCA	34651	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007484	17_+_11985227_11985250	GCGGGGCTAGGGCTAACAGCAGTC	34652	hsa-miR-744-5p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007485	17_+_11985277_11985296	CACATGCTGTTGCCACTAAC	34653	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007486	17_+_11985277_11985299	CACATGCTGTTGCCACTAACCTC	34654	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007487	17_+_11985277_11985300	CACATGCTGTTGCCACTAACCTCA	34655	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007488	17_+_11985277_11985302	CACATGCTGTTGCCACTAACCTCAAC	34656	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007489	17_+_11985277_11985303	CACATGCTGTTGCCACTAACCTCAACC	34657	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007490	17_+_11985278_11985297	ACATGCTGTTGCCACTAACC	34658	hsa-miR-744-3p;Derives_from=MI0005559

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007491	17_+_11985278_11985300	ACATGCTGTTGCCACTAACCTCA	34659	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007492	17_+_11985278_11985303	ACATGCTGTTGCCACTAACCTCAACC	34660	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007493	17_+_11985283_11985299	CTGTTGCCACTAACCTC	34661	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007494	17_+_11985283_11985300	CTGTTGCCACTAACCTCA	34662	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007495	17_+_11985283_11985301	CTGTTGCCACTAACCTCAA	34663	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007496	17_+_11985283_11985302	CTGTTGCCACTAACCTCAAC	34664	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007497	17_+_11985283_11985303	CTGTTGCCACTAACCTCAACC	34665	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007498	17_+_11985283_11985305	CTGTTGCCACTAACCTCAACCTT	34666	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007499	17_+_11985283_11985308	CTGTTGCCACTAACCTCAACCTTACT	34667	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007500	17_+_11985284_11985303	TGTTGCCACTAACCTCAACC	34668	hsa-miR-744-3p;Derives_from=MI0005559
NovelMiR_KnownLoci_ID0007501	17_-_15154945_15154962	GCCCCCAACACTGGCAGG	34669	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007502	17_-_15154947_15154968	CAAGTGGCCCCCAACACTGGCA	34670	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007503	17_-_15154949_15154970	CACAAGTGGCCCCCAACACTGG	34671	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007504	17_-_15154949_15154971	ACACAAGTGGCCCCCAACACTGG	34672	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007505	17_-_15154949_15154972	CACACAAGTGGCCCCCAACACTGG	34673	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007506	17_-_15154950_15154971	ACACAAGTGGCCCCCAACACTG	34674	hsa-miR-4731-3p;Derives_from=MI0017368

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007507	17_-_15154950_15154972	CACACAAGTGGCCCCCAACACTG	34675	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007508	17_-_15154951_15154971	ACACAAGTGGCCCCCAACACT	34676	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007509	17_-_15154952_15154972	CACACAAGTGGCCCCCAACAC	34677	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007510	17_-_15154953_15154972	CACACAAGTGGCCCCCAACA	34678	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007511	17_-_15154955_15154972	CACACAAGTGGCCCCCAA	34679	hsa-miR-4731-3p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007512	17_-_15154981_15155004	TGCTGGGGGCCACATGAGTGTGCA	34680	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007513	17_-_15154982_15155004	TGCTGGGGGCCACATGAGTGTGC	34681	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007514	17_-_15154984_15155003	GCTGGGGGCCACATGAGTGT	34682	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007515	17_-_15154984_15155004	TGCTGGGGGCCACATGAGTGT	34683	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007516	17_-_15154985_15155003	GCTGGGGGCCACATGAGTG	34684	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007517	17_-_15154985_15155004	TGCTGGGGGCCACATGAGTG	34685	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007518	17_-_15154986_15155003	GCTGGGGGCCACATGAGT	34686	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007519	17_-_15154989_15155010	TGCCAGTGCTGGGGGCCACATG	34687	hsa-miR-4731-5p;Derives_from=MI0017368
NovelMiR_KnownLoci_ID0007520	1_-_71533321_71533344	CCAAAGGTGAATTTTTTGGGAAGT	34688	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007521	1_-_71533321_71533345	CCCAAAGGTGAATTTTTTGGGAAGT	34689	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007522	1_-_71533322_71533345	CCCAAAGGTGAATTTTTTGGGAAG	34690	hsa-miR-186-3p;Derives_from=MI0000483

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007523	1_-_71533323_71533344	CCAAAGGTGAATTTTTTGGGAA	34691	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007524	1_-_71533323_71533345	CCCAAAGGTGAATTTTTTGGGAA	34692	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007525	1_-_71533323_71533346	GCCCAAAGGTGAATTTTTTGGGAA	34693	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007526	1_-_71533324_71533344	CCAAAGGTGAATTTTTTGGGA	34694	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007527	1_-_71533324_71533345	CCCAAAGGTGAATTTTTTGGGA	34695	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007528	1_-_71533324_71533346	GCCCAAAGGTGAATTTTTTGGGA	34696	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007529	1_-_71533325_71533344	CCAAAGGTGAATTTTTTGGG	34697	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007530	1_-_71533326_71533346	GCCCAAAGGTGAATTTTTTGG	34698	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007531	1_-_71533327_71533345	CCCAAAGGTGAATTTTTTG	34699	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007532	1_-_71533328_71533345	CCCAAAGGTGAATTTTTT	34700	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007533	1_-_71533328_71533346	GCCCAAAGGTGAATTTTTT	34701	hsa-miR-186-3p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007534	1_-_71533358_71533385	CAAAGAATTCTCCTTTTGGGCTTTCTGG	34702	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007535	1_-_71533359_71533384	AAAGAATTCTCCTTTTGGGCTTTCTG	34703	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007536	1_-_71533359_71533385	CAAAGAATTCTCCTTTTGGGCTTTCTG	34704	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007537	1_-_71533361_71533384	AAAGAATTCTCCTTTTGGGCTTTC	34705	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007538	1_-_71533361_71533385	CAAAGAATTCTCCTTTTGGGCTTTC	34706	hsa-miR-186-5p;Derives_from=MI0000483

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007539	1_-_71533362_71533385	CAAAGAATTCTCCTTTTGGGCTTT	34707	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007540	1_-_71533363_71533385	CAAAGAATTCTCCTTTTGGGCTT	34708	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007541	1_-_71533364_71533386	CCAAAGAATTCTCCTTTTGGGCT	34709	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007542	1_-_71533365_71533385	CAAAGAATTCTCCTTTTGGGC	34710	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007543	1_-_71533366_71533385	CAAAGAATTCTCCTTTTGGG	34711	hsa-miR-186-5p;Derives_from=MI0000483
NovelMiR_KnownLoci_ID0007544	17_-_1617206_1617229	AAGCTGCCAGTTGAAGAACTGTTG	34712	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007545	17_-_1617207_1617229	AAGCTGCCAGTTGAAGAACTGTT	34713	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007546	17_-_1617209_1617229	AAGCTGCCAGTTGAAGAACTG	34714	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007547	17_-_1617210_1617229	AAGCTGCCAGTTGAAGAACT	34715	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007548	17_-_1617211_1617229	AAGCTGCCAGTTGAAGAAC	34716	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007549	17_-_1617212_1617229	AAGCTGCCAGTTGAAGAA	34717	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007550	17_-_1617213_1617229	AAGCTGCCAGTTGAAGA	34718	hsa-miR-22-3p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007551	17_-_1617242_1617267	AGTTCTTCAGTGGCAAGCTTTATGTC	34719	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007552	17_-_1617244_1617267	AGTTCTTCAGTGGCAAGCTTTATG	34720	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007553	17_-_1617245_1617267	AGTTCTTCAGTGGCAAGCTTTAT	34721	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007554	17_-_1617247_1617266	GTTCTTCAGTGGCAAGCTTT	34722	hsa-miR-22-5p;Derives_from=MI0000078

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007555	17_-_1617247_1617267	AGTTCTTCAGTGGCAAGCTTT	34723	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007556	17_-_1617248_1617267	AGTTCTTCAGTGGCAAGCTT	34724	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007557	17_-_1617249_1617267	AGTTCTTCAGTGGCAAGCT	34725	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007558	17_-_1617251_1617267	AGTTCTTCAGTGGCAAG	34726	hsa-miR-22-5p;Derives_from=MI0000078
NovelMiR_KnownLoci_ID0007559	17_+_16185336_16185360	TGATCAGCAGATCAGGACTGTAACT	34727	hsa-miR-1288-5p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007560	17_+_16185341_16185360	AGCAGATCAGGACTGTAACT	34728	hsa-miR-1288-5p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007561	17_+_16185341_16185361	AGCAGATCAGGACTGTAACTC	34729	hsa-miR-1288-5p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007562	17_+_16185341_16185362	AGCAGATCAGGACTGTAACTCA	34730	hsa-miR-1288-5p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007563	17_+_16185341_16185363	AGCAGATCAGGACTGTAACTCAC	34731	hsa-miR-1288-5p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007564	17_+_16185341_16185364	AGCAGATCAGGACTGTAACTCACC	34732	hsa-miR-1288-5p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007565	17_+_16185371_16185391	GTGGACTGCCCTGATCTGGAG	34733	hsa-miR-1288-3p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007566	17_+_16185371_16185392	GTGGACTGCCCTGATCTGGAGA	34734	hsa-miR-1288-3p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007567	17_+_16185371_16185393	GTGGACTGCCCTGATCTGGAGAC	34735	hsa-miR-1288-3p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007568	17_+_16185372_16185389	TGGACTGCCCTGATCTGG	34736	hsa-miR-1288-3p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007569	17_+_16185372_16185391	TGGACTGCCCTGATCTGGAG	34737	hsa-miR-1288-3p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007570	17_+_16185372_16185393	TGGACTGCCCTGATCTGGAGAC	34738	hsa-miR-1288-3p;Derives_from=MI0006432

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007571	17_+_16185372_16185394	TGGACTGCCCTGATCTGGAGACC	34739	hsa-miR-1288-3p;Derives_from=MI0006432
NovelMiR_KnownLoci_ID0007572	17_-_17716790_17716813	TCCACTCTCCTGGCCCCCAGGTGT	34740	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007573	17_-_17716791_17716813	TCCACTCTCCTGGCCCCCAGGTG	34741	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007574	17_-_17716792_17716813	TCCACTCTCCTGGCCCCCAGGT	34742	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007575	17_-_17716793_17716812	CCACTCTCCTGGCCCCCAGG	34743	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007576	17_-_17716793_17716813	TCCACTCTCCTGGCCCCCAGG	34744	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007577	17_-_17716793_17716814	CTCCACTCTCCTGGCCCCCAGG	34745	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007578	17_-_17716794_17716819	TGAGCCTCCACTCTCCTGGCCCCCAG	34746	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007579	17_-_17716795_17716812	CCACTCTCCTGGCCCCCA	34747	hsa-miR-6777-3p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007580	17_-_17716826_17716841	CAGTGGTGGAGATGGA	34748	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007581	17_-_17716828_17716853	CGGGGAGTCAGGCAGTGGTGGAGATG	34749	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007582	17_-_17716828_17716854	ACGGGGAGTCAGGCAGTGGTGGAGATG	34750	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007583	17_-_17716828_17716855	GACGGGGAGTCAGGCAGTGGTGGAGATG	34751	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007584	17_-_17716829_17716853	CGGGGAGTCAGGCAGTGGTGGAGAT	34752	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007585	17_-_17716829_17716854	ACGGGGAGTCAGGCAGTGGTGGAGAT	34753	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007586	17_-_17716830_17716853	CGGGGAGTCAGGCAGTGGTGGAGA	34754	hsa-miR-6777-5p;Derives_from=MI0022622

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007587	17_-_17716830_17716854	ACGGGGAGTCAGGCAGTGGTGGAGA	34755	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007588	17_-_17716830_17716855	GACGGGGAGTCAGGCAGTGGTGGAGA	34756	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007589	17_-_17716831_17716852	GGGGAGTCAGGCAGTGGTGGAG	34757	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007590	17_-_17716831_17716854	ACGGGGAGTCAGGCAGTGGTGGAG	34758	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007591	17_-_17716833_17716853	CGGGGAGTCAGGCAGTGGTGG	34759	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007592	17_-_17716833_17716854	ACGGGGAGTCAGGCAGTGGTGG	34760	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007593	17_-_17716833_17716855	GACGGGGAGTCAGGCAGTGGTGG	34761	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007594	17_-_17716834_17716854	ACGGGGAGTCAGGCAGTGGTG	34762	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007595	17_-_17716835_17716854	ACGGGGAGTCAGGCAGTGGT	34763	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007596	17_-_17716836_17716853	CGGGGAGTCAGGCAGTGG	34764	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007597	17_-_17716836_17716854	ACGGGGAGTCAGGCAGTGG	34765	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007598	17_-_17716839_17716855	GACGGGGAGTCAGGCAG	34766	hsa-miR-6777-5p;Derives_from=MI0022622
NovelMiR_KnownLoci_ID0007599	17_-_17717168_17717192	CAGTGCCTCGGCAGTGCAGCCCGGA	34767	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007600	17_-_17717169_17717192	CAGTGCCTCGGCAGTGCAGCCCGG	34768	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007601	17_-_17717170_17717192	CAGTGCCTCGGCAGTGCAGCCCG	34769	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007602	17_-_17717171_17717194	TGCAGTGCCTCGGCAGTGCAGCCC	34770	hsa-miR-33b-3p;Derives_from=MI0003646

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007603	17_-_17717172_17717192	CAGTGCCTCGGCAGTGCAGCC	34771	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007604	17_-_17717172_17717193	GCAGTGCCTCGGCAGTGCAGCC	34772	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007605	17_-_17717173_17717192	CAGTGCCTCGGCAGTGCAGC	34773	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007606	17_-_17717173_17717194	TGCAGTGCCTCGGCAGTGCAGC	34774	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007607	17_-_17717174_17717192	CAGTGCCTCGGCAGTGCAG	34775	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007608	17_-_17717175_17717192	CAGTGCCTCGGCAGTGCA	34776	hsa-miR-33b-3p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007609	17_-_17717208_17717230	GTGCATTGCTGTTGCATTGCACG	34777	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007610	17_-_17717209_17717230	GTGCATTGCTGTTGCATTGCAC	34778	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007611	17_-_17717210_17717230	GTGCATTGCTGTTGCATTGCA	34779	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007612	17_-_17717212_17717228	GCATTGCTGTTGCATTG	34780	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007613	17_-_17717212_17717229	TGCATTGCTGTTGCATTG	34781	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007614	17_-_17717212_17717230	GTGCATTGCTGTTGCATTG	34782	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007615	17_-_17717213_17717230	GTGCATTGCTGTTGCATT	34783	hsa-miR-33b-5p;Derives_from=MI0003646
NovelMiR_KnownLoci_ID0007616	17_-_18244124_18244147	GCCTCCCTGACATTCCACAGGTGA	34784	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007617	17_-_18244126_18244148	TGCCTCCCTGACATTCCACAGGT	34785	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007618	17_-_18244126_18244149	CTGCCTCCCTGACATTCCACAGGT	34786	hsa-miR-6778-3p;Derives_from=MI0022623

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007619	17_-_18244127_18244148	TGCCTCCCTGACATTCCACAGG	34787	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007620	17_-_18244127_18244149	CTGCCTCCCTGACATTCCACAGG	34788	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007621	17_-_18244128_18244146	CCTCCCTGACATTCCACAG	34789	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007622	17_-_18244128_18244149	CTGCCTCCCTGACATTCCACAG	34790	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007623	17_-_18244129_18244148	TGCCTCCCTGACATTCCACA	34791	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007624	17_-_18244129_18244149	CTGCCTCCCTGACATTCCACA	34792	hsa-miR-6778-3p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007625	17_-_18244168_18244186	ACAGGAGGCAGGTGTGGTT	34793	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007626	17_-_18244171_18244195	AGTGGGAGGACAGGAGCCAGGTCTG	34794	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007627	17_-_18244172_18244195	AGTGGGAGGACAGGAGGCAGGTGT	34795	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007628	17_-_18244173_18244195	AGTGGGAGGACAGGAGGCAGGTG	34796	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007629	17_-_18244174_18244199	TTCAAGTGGGAGGACAGGAGGCAGGT	34797	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007630	17_-_18244175_18244195	AGTGGGAGGACAGGAGGCAGG	34798	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007631	17_-_18244175_18244196	AAGTGGGAGGACAGGAGGCAGG	34799	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007632	17_-_18244176_18244195	AGTGGGAGGACAGGAGGCAG	34800	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007633	17_-_18244176_18244196	AAGTGGGAGGACAGGAGGCAG	34801	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007634	17_-_18244177_18244195	AGTGGGAGGACAGGAGGCA	34802	hsa-miR-6778-5p;Derives_from=MI0022623

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007635	17_-_18244178_18244195	AGTGGGAGGACAGGAGGC	34803	hsa-miR-6778-5p;Derives_from=MI0022623
NovelMiR_KnownLoci_ID0007636	17_-_19247823_19247847	TTTCCGGCTCGCGTGGGTGTGTCGG	34804	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007637	17_-_19247824_19247847	TTTCCGGCTCGCGTGGGTGTGTCG	34805	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007638	17_-_19247825_19247847	TTTCCGGCTCGCGTGGGTGTGTC	34806	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007639	17_-_19247827_19247847	TTTCCGGCTCGCGTGGGTGTG	34807	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007640	17_-_19247828_19247847	TTTCCGGCTCGCGTGGGTGT	34808	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007641	17_-_19247829_19247847	TTTCCGGCTCGCGTGGGTG	34809	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007642	17_-_19247831_19247847	TTTCCGGCTCGCGTGGG	34810	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007643	17_-_19247832_19247847	TTTCCGGCTCGCGTGG	34811	hsa-miR-1180-3p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007644	17_-_19247857_19247881	GGACCCACCCGGCCGGGAATAGTGC	34812	hsa-miR-1180-5p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007645	17_-_19247859_19247881	GGACCCACCCGGCCGGGAATAGT	34813	hsa-miR-1180-5p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007646	17_-_19247860_19247881	GGACCCACCCGGCCGGGAATAG	34814	hsa-miR-1180-5p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007647	17_-_19247862_19247881	GGACCCACCCGGCCGGGAAT	34815	hsa-miR-1180-5p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007648	17_-_19247863_19247881	GGACCCACCCGGCCGGGAA	34816	hsa-miR-1180-5p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007649	17_-_19247864_19247881	GGACCCACCCGGCCGGGA	34817	hsa-miR-1180-5p;Derives_from=MI0006273
NovelMiR_KnownLoci_ID0007650	17_-_19247865_19247881	GGACCCACCCGGCCGGG	34818	hsa-miR-1180-5p;Derives_from=MI0006273

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007651	17_-_1953221_1953244	TAACAGTCTACAGCCATGGTCGCC	34819	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007652	17_-_1953222_1953242	ACAGTCTACAGCCATGGTCGC	34820	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007653	17_-_1953222_1953243	AACAGTCTACAGCCATGGTCGC	34821	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007654	17_-_1953222_1953244	TAACAGTCTACAGCCATGGTCGC	34822	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007655	17_-_1953224_1953244	TAACAGTCTACAGCCATGGTC	34823	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007656	17_-_1953225_1953244	TAACAGTCTACAGCCATGGT	34824	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007657	17_-_1953226_1953244	TAACAGTCTACAGCCATGG	34825	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007658	17_-_1953227_1953244	TAACACTCTACAGCCATC	34826	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007659	17_-_1953228_1953244	TAACAGTCTACAGCCAT	34827	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007660	17_-_1953229_1953244	TAACAGTCTACAGCCA	34828	hsa-miR-132-3p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007661	17_-_1953257_1953280	ACCGTGGCTTTCGATTGTTACTGT	34829	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007662	17_-_1953258_1953280	ACCGTGGCTTTCGATTGTTACTG	34830	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007663	17_-_1953259_1953281	AACCGTGGCTTTCGATTGTTACT	34831	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007664	17_-_1953260_1953280	ACCGTGGCTTTCGATTGTTAC	34832	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007665	17_-_1953260_1953281	AACCGTGGCTTTCGATTGTTAC	34833	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007666	17_-_1953261_1953280	ACCGTGGCTTTCGATTGTTA	34834	hsa-miR-132-5p;Derives_from=MI0000449

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007667	17_-_1953261_1953281	AACCGTGGCTTTCGATTGTTA	34835	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007668	17_-_1953262_1953280	ACCGTGGCTTTCGATTGTT	34836	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007669	17_-_1953262_1953281	AACCGTGGCTTTCGATTGTT	34837	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007670	17_-_1953263_1953281	AACCGTGGCTTTCGATTGT	34838	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007671	17_-_1953265_1953280	ACCGTGGCTTTCGATT	34839	hsa-miR-132-5p;Derives_from=MI0000449
NovelMiR_KnownLoci_ID0007672	17_-_1953580_1953604	TAACAGTCTCCAGTCACGGCCACCG	34840	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007673	17_-_1953581_1953603	AACAGTCTCCAGTCACGGCCACC	34841	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007674	17_-_1953581_1953604	TAACAGTCTCCAGTCACGGCCACC	34842	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007675	17_-_1953581_1953605	GTAACAGTCTCCAGTCACGGCCACC	34843	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007676	17_-_1953582_1953604	TAACAGTCTCCAGTCACGGCCAC	34844	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007677	17_-_1953583_1953604	TAACAGTCTCCAGTCACGGCCA	34845	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007678	17_-_1953584_1953605	GTAACAGTCTCCAGTCACGGCC	34846	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007679	17_-_1953585_1953604	TAACAGTCTCCAGTCACGGC	34847	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007680	17_-_1953586_1953604	TAACAGTCTCCAGTCACGG	34848	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007681	17_-_1953587_1953604	TAACAGTCTCCAGTCACG	34849	hsa-miR-212-3p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007682	17_-_1953619_1953644	ACCTTGGCTCTAGACTGCTTACTGCC	34850	hsa-miR-212-5p;Derives_from=MI0000288

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007683	17_-_1953620_1953643	CCTTGGCTCTAGACTGCTTACTGC	34851	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007684	17_-_1953620_1953644	ACCTTGGCTCTAGACTGCTTACTGC	34852	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007685	17_-_1953621_1953644	ACCTTGGCTCTAGACTGCTTACTG	34853	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007686	17_-_1953622_1953643	CCTTGGCTCTAGACTGCTTACT	34854	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007687	17_-_1953623_1953643	CCTTGGCTCTAGACTGCTTAC	34855	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007688	17_-_1953623_1953644	ACCTTGGCTCTAGACTGCTTAC	34856	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007689	17_-_1953624_1953644	ACCTTGGCTCTAGACTGCTTA	34857	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007690	17_-_1953625_1953644	ACCTTGGCTCTAGACTGCTT	34858	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007691	17_-_1953626_1953643	CCTTGGCTCTAGACTGCT	34859	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007692	17_-_1953626_1953644	ACCTTGGCTCTAGACTGCT	34860	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007693	17_-_1953627_1953644	ACCTTGGCTCTAGACTGC	34861	hsa-miR-212-5p;Derives_from=MI0000288
NovelMiR_KnownLoci_ID0007694	17_-_25620942_25620959	CTGTAGGCCGGTGGCGTC	34862	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007695	17_-_25620942_25620963	CTGCCTGTAGGCCGGTGGCGTC	34863	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007696	17_-_25620942_25620965	CTCTGCCTGTAGGCCGGTGGCGTC	34864	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007697	17_-_25620942_25620966	ACTCTGCCTGTAGGCCGGTGGCGTC	34865	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007698	17_-_25620942_25620967	GACTCTGCCTGTAGGCCGGTGGCGTC	34866	hsa-miR-4522;Derives_from=MI0016889

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007699	17_-_25620942_25620968	TGACTCTGCCTGTAGGCCGGTGGCGTC	34867	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007700	17_-_25620944_25620963	CTGCCTGTAGGCCGGTGGCG	34868	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007701	17_-_25620945_25620963	CTGCCTGTAGGCCGGTGGC	34869	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007702	17_-_25620946_25620963	CTGCCTGTAGGCCGGTGG	34870	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007703	17_-_25620946_25620965	CTCTGCCTGTAGGCCGGTGG	34871	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007704	17_-_25620946_25620968	TGACTCTGCCTGTAGGCCGGTGG	34872	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007705	17_-_25620947_25620968	TGACTCTGCCTGTAGGCCGGTG	34873	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007706	17_-_25620948_25620967	GACTCTGCCTGTAGGCCGGT	34874	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007707	17_-_25620949_25620968	TGACTCTGCCTGTAGGCCGG	34875	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007708	17_-_25620950_25620968	TGACTCTGCCTGTAGGCCG	34876	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007709	17_-_25620957_25620974	TTCCGCTGACTCTGCCTG	34877	hsa-miR-4522;Derives_from=MI0016889
NovelMiR_KnownLoci_ID0007710	17_-_2596152_2596177	CAACCACCACTGTCTCTCCCCAGGCC	34878	hsa-miR-6776-3p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007711	17_-_2596153_2596177	CAACCACCACTGTCTCTCCCCAGGC	34879	hsa-miR-6776-3p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007712	17_-_2596154_2596177	CAACCACCACTGTCTCTCCCCAGG	34880	hsa-miR-6776-3p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007713	17_-_2596156_2596177	CAACCACCACTGTCTCTCCCCA	34881	hsa-miR-6776-3p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007714	17_-_2596157_2596177	CAACCACCACTGTCTCTCCCC	34882	hsa-miR-6776-3p;Derives_from=MI0022621

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007715	17_-_2596185_2596208	TCTGGGTGCAGTGGGGGTTCCCAC	34883	hsa-miR-6776-5p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007716	17_-_2596188_2596208	TCTGGGTGCAGTGGGGGTTCC	34884	hsa-miR-6776-5p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007717	17_-_2596188_2596209	CTCTGGGTGCAGTGGGGGTTCC	34885	hsa-miR-6776-5p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007718	17_-_2596189_2596209	CTCTGGGTGCAGTGGGGGTTC	34886	hsa-miR-6776-5p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007719	17_-_2596191_2596208	TCTGGGTGCAGTGGGGGT	34887	hsa-miR-6776-5p;Derives_from=MI0022621
NovelMiR_KnownLoci_ID0007720	17_-_2651431_2651453	AGAGAAGAAGATCAGCCTGCAGA	34888	hsa-miR-1253;Derives_from=MI0006387
NovelMiR_KnownLoci_ID0007721	17_+_26687679_26687697	TTGGTGGGGGAGCCATGAG	34889	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007722	17_+_26687679_26687705	TTGGTGGGGGAGCCATGAGATAAGAGC	34890	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007723	17_+_26687680_26687705	TGGTGGGGGAGCCATGAGATAAGAGC	34891	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007724	17_+_26687682_26687700	GTGGGGGAGCCATGAGATA	34892	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007725	17_+_26687682_26687703	GTGGGGGAGCCATGAGATAAGA	34893	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007726	17_+_26687682_26687704	GTGGGGGAGCCATGAGATAAGAG	34894	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007727	17_+_26687682_26687709	GTGGGGGAGCCATGAGATAAGAGCACCT	34895	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007728	17_+_26687683_26687699	TGGGGGAGCCATGAGAT	34896	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007729	17_+_26687683_26687703	TGGGGGAGCCATGAGATAAGA	34897	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007730	17_+_26687683_26687704	TGGGGGAGCCATGAGATAAGAG	34898	hsa-miR-4723-5p;Derives_from=MI0017359

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007731	17_+_26687683_26687705	TGGGGGAGCCATGAGATAAGAGC	34899	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007732	17_+_26687683_26687708	TGGGGGAGCCATGAGATAAGAGCA CC	34900	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007733	17_+_26687683_26687709	TGGGGGAGCCATGAGATAAGAGCA CCT	34901	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007734	17_+_26687683_26687710	TGGGGGAGCCATGAGATAAGAGCA CCTC	34902	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007735	17_+_26687684_26687708	GGGGGAGCCATGAGATAAGAGCAC C	34903	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007736	17_+_26687684_26687709	GGGGGAGCCATGAGATAAGAGCAC CT	34904	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007737	17_+_26687686_26687706	GGGAGCCATGAGATAAGAGCA	34905	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007738	17_+_26687686_26687708	GGGAGCCATGAGATAAGAGCACC	34906	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007739	17_+_26687686_26687709	GGGAGCCATGAGATAAGAGCACCT	34907	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007740	17_+_26687686_26687710	GGGAGCCATGAGATAAGAGCACCT C	34908	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007741	17_+_26687686_26687711	GGGAGCCATGAGATAAGAGCACCT CC	34909	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007742	17_+_26687687_26687710	GCAGCCATGAGATAAGAGCACCTC	34910	hsa-miR-4723-5p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007743	17_+_26687732_26687751	GTGCCCTCTCTGGCTCCTCC	34911	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007744	17_+_26687732_26687754	GTGCCCTCTCTGGCTCCTCCCCA	34912	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007745	17_+_26687732_26687755	GTGCCCTCTCTGGCTCCTCCCCAA	34913	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007746	17_+_26687732_26687756	GTGCCCTCTCTGGCTCCTCCCCAA A	34914	hsa-miR-4723-3p;Derives_from=MI0017359

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007747	17_+_26687733_26687751	TGCCCTCTCTGGCTCCTCC	34915	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007748	17_+_26687733_26687753	TGCCCTCTCTGGCTCCTCCCC	34916	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007749	17_+_26687733_26687754	TGCCCTCTCTGGCTCCTCCCCA	34917	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007750	17_+_26687733_26687755	TGCCCTCTCTGGCTCCTCCCCAA	34918	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007751	17_+_26687733_26687756	TGCCCTCTCTGGCTCCTCCCCAAA	34919	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007752	17_+_26687733_26687757	TGCCCTCTCTGGCTCCTCCCCAAAG	34920	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007753	17_+_26687735_26687753	CCCTCTCTGGCTCCTCCCC	34921	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007754	17_+_26687735_26687755	CCCTCTCTGGCTCCTCCCCAA	34922	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007755	17_+_26687735_26687757	CCCTCTCTGGCTCCTCCCCAAAG	34923	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007756	17_+_26687736_26687756	CCTCTCTGGCTCCTCCCCAAA	34924	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007757	17_+_26687736_26687757	CCTCTCTGGCTCCTCCCCAAAG	34925	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007758	17_+_26687736_26687758	CCTCTCTGGCTCCTCCCCAAAGT	34926	hsa-miR-4723-3p;Derives_from=MI0017359
NovelMiR_KnownLoci_ID0007759	17_+_27188389_27188404	TGGGTATAGCAAGAGA	34927	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007760	17_+_27188389_27188405	TGGGTATAGCAAGAGAA	34928	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007761	17_+_27188389_27188406	TGGGTATAGCAAGAGAAC	34929	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007762	17_+_27188394_27188415	ATAGCAAGAGAACCATTACCAT	34930	hsa-miR-451b;Derives_from=MI0017360

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007763	17_+_27188395_27188414	TAGCAAGAGAACCATTACCA	34931	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007764	17_+_27188396_27188418	AGCAAGAGAACCATTACCATTAC	34932	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007765	17_+_27188400_27188420	AGAGAACCATTACCATTACTA	34933	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007766	17_+_27188402_27188422	AGAACCATTACCATTACTAAA	34934	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007767	17_+_27188403_27188422	GAACCATTACCATTACTAAA	34935	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007768	17_+_27188404_27188422	AACCATTACCATTACTAAA	34936	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007769	17_+_27188405_27188422	ACCATTACCATTACTAAA	34937	hsa-miR-451b;Derives_from=MI0017360
NovelMiR_KnownLoci_ID0007770	17_-_27188416_27188442	AAACCGTTACCATTACTGAGTTTA GTA	34938	hsa-miR-451a;Derives_from=MI0001729
NovelMiR_KnownLoci_ID0007771	17_-_27188419_27188442	AAACCGTTACCATTACTGAGTTTA	34939	hsa-miR-451a;Derives_from=MI0001729
NovelMiR_KnownLoci_ID0007772	17_-_27188420_27188442	AAACCGTTACCATTACTGAGTTT	34940	hsa-miR-451a;Derives_from=MI0001729
NovelMiR_KnownLoci_ID0007773	17_-_27188422_27188442	AAACCGTTACCATTACTGAGT	34941	hsa-miR-451a;Derives_from=MI0001729
NovelMiR_KnownLoci_ID0007774	17_-_27188423_27188442	AAACCGTTACCATTACTGAG	34942	hsa-miR-451a;Derives_from=MI0001729
NovelMiR_KnownLoci_ID0007775	17_-_27188424_27188442	AAACCGTTACCATTACTGA	34943	hsa-miR-451a;Derives_from=MI0001729
NovelMiR_KnownLoci_ID0007776	17_-_27188562_27188585	TACAGTATAGATGATGTACTAGTC	34944	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007777	17_-_27188564_27188585	TACAGTATAGATGATGTACTAG	34945	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007778	17_-_27188564_27188586	CTACAGTATAGATGATGTACTAG	34946	hsa-miR-144-3p;Derives_from=MI0000460

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007779	17_-_27188565_27188585	TACAGTATAGATGATGTACTA	34947	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007780	17_-_27188566_27188584	ACAGTATAGATGATGTACT	34948	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007781	17_-_27188566_27188586	CTACAGTATAGATGATGTACT	34949	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007782	17_-_27188567_27188585	TACAGTATAGATGATGTAC	34950	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007783	17_-_27188567_27188586	CTACAGTATAGATGATGTAC	34951	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007784	17_-_27188568_27188585	TACAGTATAGATGATGTA	34952	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007785	17_-_27188568_27188589	ACACTACAGTATAGATGATGTA	34953	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007786	17_-_27188571_27188586	CTACAGTATAGATGAT	34954	hsa-miR-144-3p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007787	17_-_27188595_27188622	GGATATCATCATATACTGTAAGTTTGCG	34955	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007788	17_-_27188597_27188622	GGATATCATCATATACTGTAAGTTTG	34956	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007789	17_-_27188598_27188622	GGATATCATCATATACTGTAAGTTT	34957	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007790	17_-_27188599_27188621	GATATCATCATATACTGTAAGTT	34958	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007791	17_-_27188599_27188622	GGATATCATCATATACTGTAAGTT	34959	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007792	17_-_27188600_27188622	GGATATCATCATATACTGTAAGT	34960	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007793	17_-_27188602_27188622	GGATATCATCATATACTGTAA	34961	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007794	17_-_27188603_27188622	GGATATCATCATATACTGTA	34962	hsa-miR-144-5p;Derives_from=MI0000460

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007795	17_-_27188604_27188622	GGATATCATCATATACTGT	34963	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007796	17_-_27188604_27188624	TGGGATATCATCATATACTGT	34964	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007797	17_-_27188605_27188624	TGGGATATCATCATATACTG	34965	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007798	17_-_27188606_27188622	GGATATCATCATATACT	34966	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007799	17_-_27188607_27188622	GGATATCATCATATAC	34967	hsa-miR-144-5p;Derives_from=MI0000460
NovelMiR_KnownLoci_ID0007800	17_-_27188680_27188697	TGTCCTGTTCTGCCCCCA	34968	hsa-miR-4732-3p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007801	17_-_27188680_27188702	TGACCTGTCCTGTTCTGCCCCCA	34969	hsa-miR-4732-3p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007802	17_-_27188681_27188702	TGACCTGTCCTGTTCTGCCCCC	34970	hsa-miR-4732-3p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007803	17_-_27188681_27188706	GCCCTGACCTGTCCTGTTCTGCCCCC	34971	hsa-miR-4732-3p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007804	17_-_27188682_27188704	CCTGACCTGTCCTGTTCTGCCCC	34972	hsa-miR-4732-3p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007805	17_-_27188682_27188706	GCCCTGACCTGTCCTGTTCTGCCCC	34973	hsa-miR-4732-3p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007806	17_-_27188716_27188740	TGTAGAGCAGGGAGCAGGAAGCTGT	34974	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007807	17_-_27188717_27188740	TGTAGAGCAGGGAGCAGGAAGCTG	34975	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007808	17_-_27188718_27188736	GAGCAGGGAGCAGGAAGCT	34976	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007809	17_-_27188718_27188741	CTGTAGAGCAGGGAGCAGGAAGCT	34977	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007810	17_-_27188719_27188738	TAGAGCAGGGAGCAGGAAGC	34978	hsa-miR-4732-5p;Derives_from=MI0017369

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007811	17_-_27188719_27188740	TGTAGAGCAGGGAGCAGGAAGC	34979	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007812	17_-_27188719_27188741	CTGTAGAGCAGGGAGCAGGAAGC	34980	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007813	17_-_27188720_27188739	GTAGAGCAGGGAGCAGGAAG	34981	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007814	17_-_27188720_27188740	TGTAGAGCAGGGAGCAGGAAG	34982	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007815	17_-_27188721_27188740	TGTAGAGCAGGGAGCAGGAA	34983	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007816	17_-_27188731_27188746	GGGAGCTGTAGAGCAG	34984	hsa-miR-4732-5p;Derives_from=MI0017369
NovelMiR_KnownLoci_ID0007817	17_+_27717685_27717706	GGACCGAGAGGGCCTCGGCTGT	34985	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007818	17_+_27717686_27717702	GACCGAGAGGGCCTCGG	34986	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007819	17_+_27717686_27717703	GACCGAGAGGGCCTCGGC	34987	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007820	17_+_27717686_27717704	GACCGAGAGGGCCTCGGCT	34988	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007821	17_+_27717686_27717705	GACCGAGAGGGCCTCGGCTG	34989	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007822	17_+_27717686_27717707	GACCGAGAGGGCCTCGGCTGTG	34990	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007823	17_+_27717686_27717708	GACCGAGAGGGCCTCGGCTGTGT	34991	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007824	17_+_27717689_27717706	CGAGAGGGCCTCGGCTGT	34992	hsa-miR-4523;Derives_from=MI0016890
NovelMiR_KnownLoci_ID0007825	17_-_28444110_28444131	TCTCGCTCTCTGCCCCCTCAGCC	34993	hsa-miR-3184-3p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007826	17_-_28444110_28444132	GTCTCGCTCTCTGCCCCCTCAGCC	34994	hsa-miR-3184-3p;Derives_from=MI0014226

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007827	17_-_28444111_28444131	TCTCGCTCTCTGCCCCTCAGC	34995	hsa-miR-3184-3p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007828	17_-_28444111_28444132	GTCTCGCTCTCTGCCCCTCAGC	34996	hsa-miR-3184-3p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007829	17_-_28444111_28444133	AGTCTCGCTCTCTGCCCCTCAGC	34997	hsa-miR-3184-3p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007830	17_-_28444112_28444131	TCTCGCTCTCTGCCCCTCAG	34998	hsa-miR-3184-3p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007831	17_+_28444113_28444131	TGAGGGGCAGAGAGCGAGA	34999	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007832	17_+_28444113_28444133	TGAGGGGCAGAGAGCGAGACT	35000	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007833	17_+_28444113_28444134	TGAGGGGCAGAGAGCGAGACTT	35001	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007834	17_+_28444113_28444136	TGAGGGGCAGAGAGCGAGACTTTT	35002	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007835	17_+_28444113_28444137	TGAGGGGCAGAGAGCGAGACTTTTC	35003	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007836	17_+_28444113_28444139	TGAGGGGCAGAGAGCGAGACTTTTCTA	35004	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007837	17_+_28444113_28444140	TGAGGGGCAGAGAGCGAGACTTTTCTAT	35005	hsa-miR-423-5p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007838	17_-_28444147_28444169	TGAGGGGCCTCAGACCGAGCTTT	35006	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007839	17_-_28444148_28444168	GAGGGGCCTCAGACCGAGCTT	35007	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007840	17_-_28444148_28444169	TGAGGGGCCTCAGACCGAGCTT	35008	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007841	17_+_28444148_28444171	AAGCTCGGTCTGAGGCCCCTCAGT	35009	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007842	17_+_28444148_28444172	AAGCTCGGTCTGAGGCCCCTCAGTC	35010	hsa-miR-423-3p;Derives_from=MI0001445

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007843	17_+_28444149_28444166	AGCTCGGTCTGAGGCCCC	35011	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007844	17_+_28444149_28444167	AGCTCGGTCTGAGGCCCCT	35012	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007845	17_+_28444149_28444168	AGCTCGGTCTGAGGCCCCTC	35013	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007846	17_-_28444149_28444169	TGAGGGGCCTCAGACCGAGCT	35014	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007847	17_+_28444149_28444169	AGCTCGGTCTGAGGCCCCTCA	35015	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007848	17_+_28444149_28444170	AGCTCGGTCTGAGGCCCCTCAG	35016	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007849	17_+_28444149_28444172	AGCTCGGTCTGAGGCCCCTCAGTC	35017	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007850	17_+_28444149_28444173	AGCTCGGTCTGAGGCCCCTCAGTCT	35018	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0007851	17_-_28444150_28444169	TGAGGGGCCTCAGACCGAGC	35019	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007852	17_-_28444151_28444169	TGAGGGGCCTCAGACCGAG	35020	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007853	17_-_28444158_28444175	CAAGACTGAGGGGCCTCA	35021	hsa-miR-3184-5p;Derives_from=MI0014226
NovelMiR_KnownLoci_ID0007854	17_-_29421370_29421387	TAGCATTGGGATTTAAGC	35022	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007855	17_-_29421370_29421388	CTAGCATTGGGATTTAAGC	35023	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007856	17_-_29421370_29421389	TCTAGCATTGGGATTTAAGC	35024	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007857	17_-_29421370_29421392	AGGTCTAGCATTGGGATTTAAGC	35025	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007858	17_-_29421372_29421393	CAGGTCTAGCATTGGGATTTAA	35026	hsa-miR-4733-3p;Derives_from=MI0017370

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007859	17_-_29421373_29421394	CCAGGTCTAGCATTGGGATTTA	35027	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007860	17_-_29421375_29421396	CACCAGGTCTAGCATTGGGATT	35028	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007861	17_-_29421375_29421397	CCACCAGGTCTAGCATTGGGATT	35029	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007862	17_-_29421376_29421396	CACCAGGTCTAGCATTGGGAT	35030	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007863	17_-_29421378_29421396	CACCAGGTCTAGCATTGGG	35031	hsa-miR-4733-3p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007864	17_-_29421407_29421432	TCCCAATGCTAGACCCGGTGGCAATC	35032	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007865	17_-_29421408_29421432	TCCCAATGCTAGACCCGGTGGCAAT	35033	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007866	17_-_29421409_29421432	TCCCAATGCTAGACCCGGTGGCAA	35034	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007867	17_-_29421410_29421432	TCCCAATGCTAGACCCGGTGGCA	35035	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007868	17_-_29421410_29421433	ATCCCAATGCTAGACCCGGTGGCA	35036	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007869	17_-_29421411_29421432	TCCCAATGCTAGACCCGGTGGC	35037	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007870	17_-_29421411_29421433	ATCCCAATGCTAGACCCGGTGGC	35038	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007871	17_-_29421412_29421432	TCCCAATGCTAGACCCGGTGG	35039	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007872	17_-_29421412_29421433	ATCCCAATGCTAGACCCGGTGG	35040	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007873	17_-_29421412_29421434	AATCCCAATGCTAGACCCGGTGG	35041	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007874	17_-_29421412_29421435	AAATCCCAATGCTAGACCCGGTGG	35042	hsa-miR-4733-5p;Derives_from=MI0017370

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007875	17_-_29421413_29421432	TCCCAATGCTAGACCCGGTG	35043	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007876	17_-_29421413_29421433	ATCCCAATGCTAGACCCGGTG	35044	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007877	17_-_29421413_29421435	AAATCCCAATGCTAGACCCGGTG	35045	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007878	17_-_29421414_29421433	ATCCCAATGCTAGACCCGGT	35046	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007879	17_-_29421414_29421434	AATCCCAATGCTAGACCCGGT	35047	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007880	17_-_29421414_29421436	TAAATCCCAATGCTAGACCCGGT	35048	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007881	17_-_29421414_29421437	TTAAATCCCAATGCTAGACCCGGT	35049	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007882	17_-_29421415_29421434	AATCCCAATGCTAGACCCGG	35050	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007883	17_-_29421415_29421437	TTAAATCCCAATGCTAGACCCGG	35051	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007884	17_-_29421418_29421440	CGCTTAAATCCCAATGCTAGACC	35052	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007885	17_-_29421419_29421440	CGCTTAAATCCCAATGCTAGAC	35053	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007886	17_-_29421420_29421440	CGCTTAAATCCCAATGCTAGA	35054	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007887	17_-_29421421_29421440	CGCTTAAATCCCAATGCTAG	35055	hsa-miR-4733-5p;Derives_from=MI0017370
NovelMiR_KnownLoci_ID0007888	17_+_29861907_29861930	AATGAACTGAACCAGGAGTGAGCT	35056	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007889	17_+_29861908_29861928	ATGAACTGAACCAGGAGTGAG	35057	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007890	17_+_29861908_29861929	ATGAACTGAACCAGGAGTGAGC	35058	hsa-miR-4724-5p;Derives_from=MI0017361

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007891	17_+_29861910_29861928	GAACTGAACCAGGAGTGAG	35059	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007892	17_+_29861910_29861929	GAACTGAACCAGGAGTGAGC	35060	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007893	17_+_29861910_29861930	GAACTGAACCAGGAGTGAGCT	35061	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007894	17_+_29861910_29861931	GAACTGAACCAGGAGTGAGCTT	35062	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007895	17_+_29861910_29861932	GAACTGAACCAGGAGTGAGCTTC	35063	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007896	17_+_29861910_29861937	GAACTGAACCAGGAGTGAGCTTCG TGTA	35064	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007897	17_+_29861911_29861929	AACTGAACCAGGAGTGAGC	35065	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007898	17_+_29861911_29861930	AACTGAACCAGGAGTGAGCT	35066	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007899	17_+_29861911_29861931	AACTGAACCAGGAGTGAGCTT	35067	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007900	17_+_29861911_29861932	AACTGAACCAGGAGTGAGCTTC	35068	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007901	17_+_29861911_29861934	AACTGAACCAGGAGTGAGCTTCGT	35069	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007902	17_+_29861911_29861935	AACTGAACCAGGAGTGAGCTTCGT G	35070	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007903	17_+_29861911_29861936	AACTGAACCAGGAGTGAGCTTCGT GT	35071	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007904	17_+_29861915_29861936	GAACCAGGAGTGAGCTTCGTGT	35072	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007905	17_+_29861916_29861936	AACCAGGAGTGAGCTTCGTGT	35073	hsa-miR-4724-5p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007906	17_+_29861953_29861976	AATGAAGTACCTTCTGGTTCAGCT	35074	hsa-miR-4724-3p;Derives_from=MI0017361

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007907	17_+_29861953_29861979	AATGAAGTACCTTCTGGTTCAGCTAGT	35075	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007908	17_+_29861957_29861976	AAGTACCTTCTGGTTCAGCT	35076	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007909	17_+_29861957_29861978	AAGTACCTTCTGGTTCAGCTAG	35077	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007910	17_+_29861957_29861979	AAGTACCTTCTGGTTCAGCTAGT	35078	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007911	17_+_29861957_29861980	AAGTACCTTCTGGTTCAGCTAGTC	35079	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007912	17_+_29861958_29861978	AGTACCTTCTGGTTCAGCTAG	35080	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007913	17_+_29861958_29861979	AGTACCTTCTGGTTCAGCTAGT	35081	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007914	17_+_29861958_29861980	AGTACCTTCTGGTTCAGCTAGTC	35082	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007915	17_+_29861961_29861978	ACCTTCTGGTTCAGCTAG	35083	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007916	17_+_29861961_29861979	ACCTTCTGGTTCAGCTAGT	35084	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007917	17_+_29861966_29861985	CTGGTTCAGCTAGTCCCTGT	35085	hsa-miR-4724-3p;Derives_from=MI0017361
NovelMiR_KnownLoci_ID0007918	17_+_29887035_29887052	TGGGTCTTTGCGGGCGAG	35086	hsa-miR-193a-5p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007919	17_+_29887035_29887053	TGGGTCTTTGCGGGCGAGA	35087	hsa-miR-193a-5p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007920	17_+_29887035_29887054	TGGGTCTTTGCGGGCGAGAT	35088	hsa-miR-193a-5p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007921	17_+_29887035_29887055	TGGGTCTTTGCGGGCGAGATG	35089	hsa-miR-193a-5p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007922	17_+_29887035_29887057	TGGGTCTTTGCGGGCGAGATGAG	35090	hsa-miR-193a-5p;Derives_from=MI0000487

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007923	17_+_29887035_29887058	TGGGTCTTTGCGGGCGAGATGAGG	35091	hsa-miR-193a-5p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007924	17_+_29887036_29887056	GGGTCTTTGCGGGCGAGATGA	35092	hsa-miR-193a-5p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007925	17_+_29887069_29887086	AACTGGCCTACAAAGTCC	35093	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007926	17_+_29887069_29887087	AACTGGCCTACAAAGTCCC	35094	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007927	17_+_29887069_29887088	AACTGGCCTACAAAGTCCCA	35095	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007928	17_+_29887069_29887089	AACTGGCCTACAAAGTCCCAG	35096	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007929	17_+_29887069_29887091	AACTGGCCTACAAAGTCCCAGTT	35097	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007930	17_+_29887069_29887092	AACTGGCCTACAAAGTCCCAGTTC	35098	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007931	17_+_29887069_29887094	AACTGGCCTACAAAGTCCCAGTTCTC	35099	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007932	17_+_29887069_29887095	AACTGGCCTACAAAGTCCCAGTTCTCG	35100	hsa-miR-193a-3p;Derives_from=MI0000487
NovelMiR_KnownLoci_ID0007933	17_+_29902300_29902318	AGACCCTGCAGCCTTCCCA	35101	hsa-miR-4725-5p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007934	17_+_29902300_29902319	AGACCCTGCAGCCTTCCCAC	35102	hsa-miR-4725-5p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007935	17_+_29902300_29902321	AGACCCTGCAGCCTTCCCACCC	35103	hsa-miR-4725-5p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007936	17_+_29902300_29902322	AGACCCTGCAGCCTTCCCACCCA	35104	hsa-miR-4725-5p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007937	17_+_29902300_29902323	AGACCCTGCAGCCTTCCCACCCAC	35105	hsa-miR-4725-5p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007938	17_+_29902300_29902324	AGACCCTGCAGCCTTCCCACCCACC	35106	hsa-miR-4725-5p;Derives_from=MI0017362

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007939	17_+_29902345_29902364	TGGGGAAGGCGTCAGTGTCG	35107	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007940	17_+_29902345_29902365	TGGGGAAGGCGTCAGTGTCGG	35108	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007941	17_+_29902345_29902367	TGGGGAAGGCGTCAGTGTCGGGT	35109	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007942	17_+_29902345_29902368	TGGGGAAGGCGTCAGTGTCGGGTG	35110	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007943	17_+_29902345_29902369	TGGGGAAGGCGTCAGTGTCGGGTGA	35111	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007944	17_+_29902346_29902366	GGGGAAGGCGTCAGTGTCGGG	35112	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007945	17_+_29902357_29902372	CAGTGTCGGGTGAGGG	35113	hsa-miR-4725-3p;Derives_from=MI0017362
NovelMiR_KnownLoci_ID0007946	17_+_29902456_29902479	TGAGGGACTTTCAGGGGCAGCTGT	35114	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007947	17_+_29902457_29902473	GAGGGACTTTCAGGGGC	35115	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007948	17_+_29902457_29902474	GAGGGACTTTCAGGGGCA	35116	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007949	17_+_29902457_29902476	GAGGGACTTTCAGGGGCAGC	35117	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007950	17_+_29902457_29902479	GAGGGACTTTCAGGGGCAGCTGT	35118	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007951	17_+_29902457_29902480	GAGGGACTTTCAGGGGCAGCTGTG	35119	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007952	17_+_29902457_29902481	GAGGGACTTTCAGGGGCAGCTGTGT	35120	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007953	17_+_29902458_29902474	AGGGACTTTCAGGGGCA	35121	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007954	17_+_29902458_29902475	AGGGACTTTCAGGGGCAG	35122	hsa-miR-365b-5p;Derives_from=MI0000769

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007955	17_+_29902458_29902476	AGGGACTTTCAGGGGCAGC	35123	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007956	17_+_29902458_29902477	AGGGACTTTCAGGGGCAGCT	35124	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007957	17_+_29902458_29902478	AGGGACTTTCAGGGGCAGCTG	35125	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007958	17_+_29902458_29902480	AGGGACTTTCAGGGGCAGCTGTG	35126	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007959	17_+_29902458_29902481	AGGGACTTTCAGGGGCAGCTGTGT	35127	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007960	17_+_29902458_29902482	AGGGACTTTCAGGGGCAGCTGTGT T	35128	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007961	17_+_29902458_29902485	AGGGACTTTCAGGGGCAGCTGTGT TTTC	35129	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007962	17_+_29902459_29902475	GGGACTTTCAGGGGCAG	35130	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007963	17_+_29902459_29902481	GGGACTTTCAGGGGCAGCTGTGT	35131	hsa-miR-365b-5p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007964	17_+_29902491_29902514	CAGTCATAATGCCCCTAAAAATCC	35132	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007965	17_+_29902492_29902517	AGTCATAATGCCCCTAAAAATCCT TA	35133	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007966	17_+_29902492_29902518	AGTCATAATGCCCCTAAAAATCCT TAT	35134	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007967	17_+_29902493_29902516	GTCATAATGCCCCTAAAAATCCTT	35135	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007968	17_+_29902493_29902518	GTCATAATGCCCCTAAAAATCCTT AT	35136	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007969	17_+_29902497_29902521	TAATGCCCCTAAAAATCCTTATTG T	35137	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007970	17_+_29902497_29902522	TAATGCCCCTAAAAATCCTTATTG TT	35138	hsa-miR-365b-3p;Derives_from=MI0000769

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007971	17_+_29902497_29902523	TAATGCCCCTAAAAATCCTTATTG TTC	35139	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007972	17_+_29902497_29902524	TAATGCCCCTAAAAATCCTTATTG TTCT	35140	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007973	17_+_29902498_29902521	AATGCCCCTAAAAATCCTTATTGT	35141	hsa-miR-365b-3p;Derives_from=MI0000769
NovelMiR_KnownLoci_ID0007974	17_+_30677182_30677197	CATTTTGTGTCTGCTT	35142	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007975	17_+_30677182_30677198	CATTTTGTGTCTGCTTC	35143	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007976	17_+_30677182_30677200	CATTTTGTGTCTGCTTCCT	35144	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007977	17_+_30677182_30677202	CATTTTGTGTCTGCTTCCTGT	35145	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007978	17_+_30677182_30677204	CATTTTGTGTCTGCTTCCTGTGG	35146	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007979	17_+_30677182_30677206	CATTTTGTGTCTGCTTCCTGTGGG A	35147	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007980	17_+_30677184_30677211	TTTTGTGTCTGCTTCCTGTGGGAC GTGG	35148	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007981	17_+_30677186_30677208	TTGTGTCTGCTTCCTGTGGGACG	35149	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007982	17_+_30677186_30677209	TTGTGTCTGCTTCCTGTGGGACGT	35150	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007983	17_+_30677186_30677211	TTGTGTCTGCTTCCTGTGGGACGT GG	35151	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007984	17_+_30677186_30677212	TTGTGTCTGCTTCCTGTGGGACGT GGT	35152	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007985	17_+_30677187_30677211	TGTGTCTGCTTCCTGTGGGACGTG G	35153	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007986	17_+_30677187_30677212	TGTGTCTGCTTCCTGTGGGACGTG GT	35154	hsa-miR-632;Derives_from=MI0003647

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0007987	17_+_30677188_30677205	GTGTCTGCTTCCTGTGGG	35155	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007988	17_+_30677188_30677207	GTGTCTGCTTCCTGTGGGAC	35156	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007989	17_+_30677188_30677208	GTGTCTGCTTCCTGTGGGACG	35157	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007990	17_+_30677188_30677210	GTGTCTGCTTCCTGTGGGACGTG	35158	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007991	17_+_30677190_30677211	GTCTGCTTCCTGTGGGACGTGG	35159	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007992	17_+_30677192_30677210	CTGCTTCCTGTGGGACGTG	35160	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007993	17_+_30677192_30677211	CTGCTTCCTGTGGGACGTGG	35161	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007994	17_+_30677192_30677212	CTGCTTCCTGTGGGACGTGGT	35162	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007995	17_+_30677194_30677210	GCTTCCTGTGGGACGTG	35163	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007996	17_+_30677194_30677212	GCTTCCTGTGGGACGTGGT	35164	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007997	17_+_30677195_30677212	CTTCCTGTGGGACGTGGT	35165	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007998	17_+_30677196_30677212	TTCCTGTGGGACGTGGT	35166	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0007999	17_+_30677197_30677212	TCCTGTGCGACGTGGT	35167	hsa-miR-632;Derives_from=MI0003647
NovelMiR_KnownLoci_ID0008000	17_-_35975040_35975062	TGGATTTGGAGCCAGAAGAACTG	35168	hsa-miR-378j;Derives_from=MI0021273
NovelMiR_KnownLoci_ID0008001	17_-_35975043_35975064	ACTGGATTTGGAGCCAGAAGAA	35169	hsa-miR-378j;Derives_from=MI0021273
NovelMiR_KnownLoci_ID0008002	17_-_35975045_35975064	ACTGGATTTGGAGCCAGAAG	35170	hsa-miR-378j;Derives_from=MI0021273

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008003	17_-_35975050_35975065	AACTGGATTTGGAGCC	35171	hsa-miR-378j;Derives_from=MI0021273
NovelMiR_KnownLoci_ID0008004	17_-_35975050_35975070	GGAGGAACTGGATTTGGAGCC	35172	hsa-miR-378j;Derives_from=MI0021273
NovelMiR_KnownLoci_ID0008005	17_-_36858520_36858543	CTGCGGGCTGCGGTCAGGGCGATC	35173	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008006	17_-_36858520_36858544	GCTGCGGGCTGCGGTCAGGGCGATC	35174	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008007	17_-_36858521_36858543	CTGCGGGCTGCGGTCAGGGCGAT	35175	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008008	17_-_36858522_36858543	CTGCGGGCTGCGGTCAGGGCGA	35176	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008009	17_-_36858522_36858544	GCTGCGGGCTGCGGTCAGGGCGA	35177	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008010	17_-_36858523_36858543	CTGCGGGCTGCGGTCAGGGCG	35178	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008011	17_-_36858524_36858543	CTGCGGGCTGCGGTCAGGGC	35179	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008012	17_-_36858525_36858544	GCTGCGGGCTGCGGTCAGGG	35180	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008013	17_-_36858526_36858543	CTGCGGGCTGCGGTCAGG	35181	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008014	17_-_36858526_36858544	GCTGCGGGCTGCGGTCAGG	35182	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008015	17_-_36858529_36858544	GCTGCGGGCTGCGGTC	35183	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008016	17_-_36858533_36858550	CCCGGAGCTGCGGGCTGC	35184	hsa-miR-4734;Derives_from=MI0017371
NovelMiR_KnownLoci_ID0008017	17_+_36875943_36875963	AAGGGCCAGAGGAGCCTGGAG	35185	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008018	17_+_36875943_36875964	AAGGGCCAGAGGAGCCTGGAGT	35186	hsa-miR-4726-5p;Derives_from=MI0017363

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008019	17_+_36875943_36875966	AAGGGCCAGAGGAGCCTGGAGTGG	35187	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008020	17_+_36875943_36875967	AAGGGCCAGAGGAGCCTGGAGTGGT	35188	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008021	17_+_36875944_36875964	AGGGCCAGAGGAGCCTGGAGT	35189	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008022	17_+_36875944_36875965	AGGGCCAGAGGAGCCTGGAGTG	35190	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008023	17_+_36875944_36875967	AGGGCCAGAGGAGCCTGGAGTGGT	35191	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008024	17_+_36875944_36875968	AGGGCCAGAGGAGCCTGGAGTGGTC	35192	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008025	17_+_36875944_36875970	AGGGCCAGAGGAGCCTGGAGTGGTCGG	35193	hsa-miR-4726-5p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008026	17_+_36875976_36875998	CTGAACCCAGGTTCCCTCTGGCC	35194	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008027	17_+_36875980_36875998	ACCCAGGTTCCCTCTGGCC	35195	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008028	17_+_36875980_36876000	ACCCAGGTTCCCTCTGGCCGC	35196	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008029	17_+_36875980_36876002	ACCCAGGTTCCCTCTGGCCGCAG	35197	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008030	17_+_36875980_36876003	ACCCAGGTTCCCTCTGGCCGCAGG	35198	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008031	17_+_36875980_36876004	ACCCAGGTTCCCTCTGGCCGCAGGT	35199	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008032	17_+_36875980_36876005	ACCCAGGTTCCCTCTGGCCGCAGGTC	35200	hsa-miR-4726-3p;Derives_from=MI0017363
NovelMiR_KnownLoci_ID0008033	17_+_36982087_36982107	TTAAAATCTGCCAGCTTCCAC	35201	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008034	17_+_36982089_36982111	AAAATCTGCCAGCTTCCACAGTG	35202	hsa-miR-4727-5p;Derives_from=MI0017364

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008035	17_+_36982091_36982112	AATCTGCCAGCTTCCACAGTGG	35203	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008036	17_+_36982092_36982111	ATCTGCCAGCTTCCACAGTG	35204	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008037	17_+_36982093_36982111	TCTGCCAGCTTCCACAGTG	35205	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008038	17_+_36982093_36982112	TCTGCCAGCTTCCACAGTGG	35206	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008039	17_+_36982093_36982113	TCTGCCAGCTTCCACAGTGGC	35207	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008040	17_+_36982094_36982112	CTGCCAGCTTCCACAGTGG	35208	hsa-miR-4727-5p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008041	17_+_36982124_36982142	ATAGTGGGAAGCTGGCAGA	35209	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008042	17_+_36982124_36982143	ATAGTGGGAAGCTGGCAGAT	35210	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008043	17_+_36982124_36982144	ATAGTGGGAAGCTGGCAGATT	35211	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008044	17_+_36982124_36982146	ATAGTGGGAAGCTGGCAGATTCC	35212	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008045	17_+_36982124_36982150	ATAGTGGGAAGCTGGCAGATTCCT TTC	35213	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008046	17_+_36982125_36982146	TAGTGGGAAGCTGGCAGATTCC	35214	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008047	17_+_36982134_36982151	GCTGGCAGATTCCTTTCC	35215	hsa-miR-4727-3p;Derives_from=MI0017364
NovelMiR_KnownLoci_ID0008048	17_+_37071231_37071246	GGAGCTCTGGGAGGGG	35216	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008049	17_+_37071235_37071253	CTCTGGGAGGGGCTGGGTT	35217	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008050	17_+_37071235_37071254	CTCTGGGAGGGGCTGGGTTT	35218	hsa-miR-6779-5p;Derives_from=MI0022624

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008051	17_+_37071235_37071256	CTCTGGGAGAGGGCTGGGTTTGG	35219	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008052	17_+_37071236_37071257	TCTGGGAGAGGGCTGGGTTTGGC	35220	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008053	17_+_37071236_37071258	TCTGGGAGAGGGCTGGGTTTGGCA	35221	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008054	17_+_37071237_37071258	CTGGGAGAGGGCTGGGTTTGGCA	35222	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008055	17_+_37071237_37071260	CTGGGAGAGGGCTGGGTTTGGCAGG	35223	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008056	17_+_37071237_37071261	CTGGGAGAGGGCTGGGTTTGGCAGGA	35224	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008057	17_+_37071238_37071257	TGGGAGAGGGCTGGGTTTGGC	35225	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008058	17_+_37071238_37071258	TGGGAGAGGGCTGGGTTTGGCA	35226	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008059	17_+_37071238_37071259	TGGGAGAGGGCTGGGTTTGGCAG	35227	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008060	17_+_37071240_37071262	GGAGGGGCTGGGTTTGGCAGGAC	35228	hsa-miR-6779-5p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008061	17_+_37071268_37071287	CCAAGCCCTGTCTCCTCCCA	35229	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008062	17_+_37071268_37071288	CCAAGCCCTGTCTCCTCCCAT	35230	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008063	17_+_37071268_37071289	CCAAGCCCTGTCTCCTCCCATC	35231	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008064	17_+_37071268_37071290	CCAAGCCCTGTCTCCTCCCATCT	35232	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008065	17_+_37071269_37071288	CAAGCCCTGTCTCCTCCCAT	35233	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008066	17_+_37071269_37071289	CAAGCCCTGTCTCCTCCCATC	35234	hsa-miR-6779-3p;Derives_from=MI0022624

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008067	17_+_37071269_37071290	CAAGCCCTGTCTCCTCCCATCT	35235	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008068	17_+_37071269_37071291	CAAGCCCTGTCTCCTCCCATCTT	35236	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008069	17_+_37071269_37071292	CAAGCCCTGTCTCCTCCCATCTTC	35237	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008070	17_+_37071270_37071293	AAGCCCTGTCTCCTCCCATCTTCC	35238	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008071	17_+_37071271_37071292	AGCCCTGTCTCCTCCCATCTTC	35239	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008072	17_+_37071273_37071291	CCCTGTCTCCTCCCATCTT	35240	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008073	17_+_37071273_37071294	CCCTGTCTCCTCCCATCTTCCA	35241	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008074	17_+_37071273_37071296	CCCTGTCTCCTCCCATCTTCCAGT	35242	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008075	17_+_37071274_37071296	CCTGTCTCCTCCCATCTTCCAGT	35243	hsa-miR-6779-3p;Derives_from=MI0022624
NovelMiR_KnownLoci_ID0008076	17_+_37882743_37882766	GGGGAGTGGGAGGGGAGAGGCAGC	35244	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008077	17_+_37882747_37882771	AGTGGGAGGGGAGAGGCAGCAAGCA	35245	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008078	17_+_37882748_37882766	GTGGGAGGGGAGAGGCAGC	35246	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008079	17_+_37882748_37882770	GTGGGAGGGGAGAGGCAGCAAGC	35247	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008080	17_+_37882748_37882771	GTGGGAGGGGAGAGGCAGCAAGCA	35248	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008081	17_+_37882749_37882768	TGGGAGGGGAGAGGCAGCAA	35249	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008082	17_+_37882749_37882769	TGGGAGGGGAGAGGCAGCAAG	35250	hsa-miR-4728-5p;Derives_from=MI0017365

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008083	17_+_37882749_37882770	TGGGAGGGGAGAGGCAGCAAGC	35251	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008084	17_+_37882749_37882772	TGGGAGGGGAGAGGCAGCAAGCAC	35252	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008085	17_+_37882749_37882773	TGGGAGGGGAGAGGCAGCAAGCAC A	35253	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008086	17_+_37882750_37882768	GGGAGGGGAGAGGCAGCAA	35254	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008087	17_+_37882751_37882771	GGAGGGGAGAGGCAGCAAGCA	35255	hsa-miR-4728-5p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008088	17_+_37882790_37882808	CATGCTGACCTCCCTCCTG	35256	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008089	17_+_37882790_37882809	CATGCTGACCTCCCTCCTGC	35257	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008090	17_+_37882790_37882810	CATGCTGACCTCCCTCCTGCC	35258	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008091	17_+_37882790_37882811	CATGCTGACCTCCCTCCTGCCC	35259	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008092	17_+_37882790_37882812	CATGCTGACCTCCCTCCTGCCCC	35260	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008093	17_+_37882790_37882813	CATGCTGACCTCCCTCCTGCCCCA	35261	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008094	17_+_37882790_37882815	CATGCTGACCTCCCTCCTGCCCCA GG	35262	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008095	17_+_37882790_37882817	CATGCTGACCTCCCTCCTGCCCCA GGTT	35263	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008096	17_+_37882791_37882810	ATGCTGACCTCCCTCCTGCC	35264	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008097	17_+_37882791_37882815	ATGCTGACCTCCCTCCTGCCCCAG G	35265	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008098	17_+_37882791_37882816	ATGCTGACCTCCCTCCTGCCCCAG GT	35266	hsa-miR-4728-3p;Derives_from=MI0017365

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008099	17_+_37882794_37882814	CTGACCTCCCTCCTGCCCCAG	35267	hsa-miR-4728-3p;Derives_from=MI0017365
NovelMiR_KnownLoci_ID0008100	17_-_38182585_38182609	CCCATCACCTTTCCGTCTCCCCTAG	35268	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008101	17_-_38182586_38182609	CCCATCACCTTTCCGTCTCCCCTA	35269	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008102	17_-_38182588_38182609	CCCATCACCTTTCCGTCTCCCC	35270	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008103	17_-_38182589_38182609	CCCATCACCTTTCCGTCTCCC	35271	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008104	17_-_38182590_38182609	CCCATCACCTTTCCGTCTCC	35272	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008105	17_-_38182593_38182609	CCCATCACCTTTCCGTC	35273	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008106	17_-_38182594_38182609	CCCATCACCTTTCCGT	35274	hsa-miR-6884-3p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008107	17_-_38182630_38182656	GAGGCTGAGAAGGTGATGTTGGCTCAA	35275	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008108	17_-_38182632_38182654	GGCTGAGAAGGTGATGTTGGCTC	35276	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008109	17_-_38182632_38182656	GAGGCTGAGAAGGTGATGTTGGCTC	35277	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008110	17_-_38182632_38182657	AGAGGCTGAGAAGGTGATGTTGGCTC	35278	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008111	17_-_38182632_38182658	CAGAGGCTGAGAAGGTGATGTTGGCTC	35279	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008112	17_-_38182633_38182657	AGAGGCTGAGAAGGTGATGTTGGCT	35280	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008113	17_-_38182633_38182658	CAGAGGCTGAGAAGGTGATGTTGGCT	35281	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008114	17_-_38182633_38182659	GCAGAGGCTGAGAAGGTGATGTTGGCT	35282	hsa-miR-6884-5p;Derives_from=MI0022731

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008115	17_-_38182634_38182657	AGAGGCTGAGAAGGTGATGTTGGC	35283	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008116	17_-_38182635_38182657	AGAGGCTGAGAAGGTGATGTTGG	35284	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008117	17_-_38182635_38182658	CAGAGGCTGAGAAGGTGATGTTGG	35285	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008118	17_-_38182636_38182658	CAGAGGCTGAGAAGGTGATGTTG	35286	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008119	17_-_38182637_38182657	AGAGGCTGAGAAGGTGATGTT	35287	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008120	17_-_38182638_38182657	AGAGGCTGAGAAGGTGATGT	35288	hsa-miR-6884-5p;Derives_from=MI0022731
NovelMiR_KnownLoci_ID0008121	17_+_38318189_38318211	TTTTAGAGGCTGGAATAGAGATT	35289	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008122	17_+_38318190_38318211	TTTAGAGGCTGGAATAGAGATT	35290	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008123	17_+_38318190_38318213	TTTAGAGGCTGGAATAGAGATTCT	35291	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008124	17_+_38318190_38318214	TTTAGAGGCTGGAATAGAGATTCT T	35292	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008125	17_+_38318191_38318210	TTAGAGGCTGGAATAGAGAT	35293	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008126	17_+_38318191_38318211	TTAGAGGCTGGAATAGAGATT	35294	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008127	17_+_38318191_38318212	TTAGAGGCTGGAATAGAGATTC	35295	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008128	17_+_38318191_38318214	TTAGAGGCTGGAATAGAGATTCTT	35296	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008129	17_+_38318192_38318213	TAGAGGCTGGAATAGAGATTCT	35297	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008130	17_+_38318192_38318214	TAGAGGCTGGAATAGAGATTCTT	35298	hsa-miR-6866-5p;Derives_from=MI0022713

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008131	17_+_38318195_38318214	AGGCTGGAATAGAGATTCTT	35299	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008132	17_+_38318195_38318215	AGGCTGGAATAGAGATTCTTG	35300	hsa-miR-6866-5p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008133	17_+_38318232_38318255	GGATCCCTTTATCTGTCCTCTAGG	35301	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008134	17_+_38318233_38318250	GATCCCTTTATCTGTCCT	35302	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008135	17_+_38318233_38318252	GATCCCTTTATCTGTCCTCT	35303	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008136	17_+_38318233_38318253	GATCCCTTTATCTGTCCTCTA	35304	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008137	17_+_38318233_38318255	GATCCCTTTATCTGTCCTCTAGG	35305	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008138	17_+_38318233_38318256	GATCCCTTTATCTGTCCTCTAGGA	35306	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008139	17_+_38318234_38318254	ATCCCTTTATCTGTCCTCTAG	35307	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008140	17_+_38318234_38318255	ATCCCTTTATCTGTCCTCTAGG	35308	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008141	17_+_38318234_38318256	ATCCCTTTATCTGTCCTCTAGGA	35309	hsa-miR-6866-3p;Derives_from=MI0022713
NovelMiR_KnownLoci_ID0008142	17_+_38349852_38349872	GGTGTGTGTGTAGAGGAAGAA	35310	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008143	17_+_38349852_38349879	GGTGTGTGTGTAGAGGAAGAAGGGAAGC	35311	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008144	17_+_38349853_38349876	GTGTGTGTGTAGAGGAAGAAGGGA	35312	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008145	17_+_38349853_38349877	GTGTGTGTGTAGAGGAAGAAGGGAA	35313	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008146	17_+_38349853_38349879	GTGTGTGTGTAGAGGAAGAAGGGAAGC	35314	hsa-miR-6867-5p;Derives_from=MI0022714

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008147	17_+_38349854_38349873	TGTGTGTGTAGAGGAAGAAG	35315	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008148	17_+_38349854_38349874	TGTGTGTGTAGAGGAAGAAGG	35316	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008149	17_+_38349854_38349875	TGTGTGTGTAGAGGAAGAAGGG	35317	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008150	17_+_38349854_38349877	TGTGTGTGTAGAGGAAGAAGGGAA	35318	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008151	17_+_38349854_38349878	TGTGTGTGTAGAGGAAGAAGGGAAG	35319	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008152	17_+_38349854_38349879	TGTGTGTGTAGAGGAAGAAGGGAAGC	35320	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008153	17_+_38349855_38349876	GTGTGTGTAGAGGAAGAAGGGA	35321	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008154	17_+_38349856_38349874	TGTGTGTAGAGGAAGAAGG	35322	hsa-miR-6867-5p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008155	17_+_38349889_38349909	GACTGCCTCTCCCTCTTTACC	35323	hsa-miR-6867-3p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008156	17_+_38349894_38349913	CCTCTCCCTCTTTACCCACT	35324	hsa-miR-6867-3p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008157	17_+_38349894_38349915	CCTCTCCCTCTTTACCCACTAG	35325	hsa-miR-6867-3p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008158	17_+_38349894_38349916	CCTCTCCCTCTTTACCCACTAGG	35326	hsa-miR-6867-3p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008159	17_+_38349895_38349916	CTCTCCCTCTTTACCCACTAGG	35327	hsa-miR-6867-3p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008160	17_+_38349896_38349916	TCTCCCTCTTTACCCACTAGG	35328	hsa-miR-6867-3p;Derives_from=MI0022714
NovelMiR_KnownLoci_ID0008161	17_-_39673415_39673437	ACCGACTCTGTCTCCTGCAGATC	35329	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008162	17_-_39673415_39673438	CACCGACTCTGTCTCCTGCAGATC	35330	hsa-miR-6510-3p;Derives_from=MI0022222

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008163	17_-_39673416_39673438	CACCGACTCTGTCTCCTGCAGAT	35331	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008164	17_-_39673417_39673438	CACCGACTCTGTCTCCTGCAGA	35332	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008165	17_-_39673419_39673438	CACCGACTCTGTCTCCTGCA	35333	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008166	17_-_39673420_39673438	CACCGACTCTGTCTCCTGC	35334	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008167	17_-_39673421_39673438	CACCGACTCTGTCTCCTG	35335	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008168	17_-_39673422_39673438	CACCGACTCTGTCTCCT	35336	hsa-miR-6510-3p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008169	17_-_39673442_39673466	AGCAGGGGAGAGAGAGGAGTCCTCT	35337	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008170	17_-_39673443_39673466	AGCAGGGGAGAGAGAGGAGTCCTC	35338	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008171	17_-_39673443_39673467	CAGCAGGGGAGAGAGAGGAGTCCTC	35339	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008172	17_-_39673444_39673466	AGCAGGGGAGAGAGAGGAGTCCT	35340	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008173	17_-_39673444_39673467	CAGCAGGGGAGAGAGAGGAGTCCT	35341	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008174	17_-_39673445_39673466	AGCAGGGGAGAGAGAGGAGTCC	35342	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008175	17_-_39673447_39673467	CAGCAGGGGAGAGAGAGGAGT	35343	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008176	17_-_39673448_39673467	CAGCAGGGGAGAGAGAGGAG	35344	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008177	17_-_39673449_39673467	CAGCAGGGGAGAGAGAGGA	35345	hsa-miR-6510-5p;Derives_from=MI0022222
NovelMiR_KnownLoci_ID0008178	17_+_40646790_40646812	CAAAAGTTATTGCGGTTTTTGGCT	35346	hsa-miR-548at-5p;Derives_from=MI0019137

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008179	17_+_40646791_40646811	AAAAGTTATTGCGGTTTTGGC	35347	hsa-miR-548at-5p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008180	17_+_40646791_40646813	AAAAGTTATTGCGGTTTTGGCTG	35348	hsa-miR-548at-5p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008181	17_+_40646791_40646815	AAAAGTTATTGCGGTTTTGGCTGCC	35349	hsa-miR-548at-5p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008182	17_+_40646792_40646811	AAAGTTATTGCGGTTTTGGC	35350	hsa-miR-548at-5p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008183	17_+_40646792_40646813	AAAGTTATTGCGGTTTTGGCTG	35351	hsa-miR-548at-5p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008184	17_+_40646825_40646844	GGCCAAAACCGCAGTAACTT	35352	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008185	17_+_40646827_40646847	CCAAAACCGCAGTAACTTTTG	35353	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008186	17_+_40646827_40646848	CCAAAACCGCAGTAACTTTTGT	35354	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008187	17_+_40646827_40646849	CCAAAACCGCAGTAACTTTTGTG	35355	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008188	17_+_40646828_40646847	CAAAACCGCAGTAACTTTTG	35356	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008189	17_+_40646828_40646849	CAAAACCGCAGTAACTTTTGTG	35357	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008190	17_+_40646828_40646850	CAAAACCGCAGTAACTTTTGTGC	35358	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008191	17_+_40646830_40646851	AAACCGCAGTAACTTTTGTGCC	35359	hsa-miR-548at-3p;Derives_from=MI0019137
NovelMiR_KnownLoci_ID0008192	17_+_40666220_40666237	TAGAGCAGGGGGATGGCA	35360	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008193	17_+_40666225_40666246	CAGGGGGATGGCAGAGCAAAAT	35361	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008194	17_+_40666225_40666247	CAGGGGGATGGCAGAGCAAAAATT	35362	hsa-miR-5010-5p;Derives_from=MI0017878

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008195	17_+_40666225_40666248	CAGGGGGATGGCAGAGCAAAATTC	35363	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008196	17_+_40666225_40666249	CAGGGGGATGGCAGAGCAAAATTCA	35364	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008197	17_+_40666225_40666251	CAGGGGGATGGCAGAGCAAAATTCATG	35365	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008198	17_+_40666226_40666245	AGGGGGATGGCAGAGCAAAA	35366	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008199	17_+_40666226_40666246	AGGGGGATGGCAGAGCAAAAT	35367	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008200	17_+_40666226_40666248	AGGGGGATGGCAGAGCAAAATTC	35368	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008201	17_+_40666226_40666249	AGGGGGATGGCAGAGCAAAATTCA	35369	hsa-miR-5010-5p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008202	17_+_40666284_40666307	ATTTTGTGTCTCCCATTCCCCAGA	35370	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008203	17_+_40666284_40666308	ATTTTGTGTCTCCCATTCCCCAGAG	35371	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008204	17_+_40666284_40666309	ATTTTGTGTCTCCCATTCCCCAGAGC	35372	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008205	17_+_40666285_40666304	TTTTGTGTCTCCCATTCCCC	35373	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008206	17_+_40666285_40666305	TTTTGTGTCTCCCATTCCCCA	35374	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008207	17_+_40666285_40666307	TTTTGTGTCTCCCATTCCCCAGA	35375	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008208	17_+_40666285_40666308	TTTTGTGTCTCCCATTCCCCAGAG	35376	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008209	17_+_40666285_40666309	TTTTGTGTCTCCCATTCCCCAGAGC	35377	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008210	17_+_40666286_40666307	TTTGTGTCTCCCATTCCCCAGA	35378	hsa-miR-5010-3p;Derives_from=MI0017878

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008211	17_+_40666286_40666309	TTTGTGTCTCCCATTCCCCAGAGC	35379	hsa-miR-5010-3p;Derives_from=MI0017878
NovelMiR_KnownLoci_ID0008212	17_-_40860099_40860122	CTCCTCTGTTTTCTTTCCTAGATA	35380	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008213	17_-_40860100_40860122	CTCCTCTGTTTTCTTTCCTAGAT	35381	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008214	17_-_40860101_40860122	CTCCTCTGTTTTCTTTCCTAGA	35382	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008215	17_-_40860101_40860123	CCTCCTCTGTTTTCTTTCCTAGA	35383	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008216	17_-_40860102_40860124	TCCTCCTCTGTTTTCTTTCCTAG	35384	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008217	17_-_40860103_40860124	TCCTCCTCTGTTTTCTTTCCTA	35385	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008218	17_-_40860104_40860122	CTCCTCTGTTTTCTTTCCT	35386	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008219	17_-_40860104_40860124	TCCTCCTCTGTTTTCTTTCCT	35387	hsa-miR-6780a-3p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008220	17_-_40860137_40860163	TGGGAGGGAAGACAGCTGGAGAGT ATG	35388	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008221	17_-_40860137_40860164	TTGGGAGGGAAGACAGCTGGAGAG TATG	35389	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008222	17_-_40860138_40860164	TTGGGAGGGAAGACAGCTGGAGAG TAT	35390	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008223	17_-_40860139_40860164	TTGGGAGGGAAGACAGCTGGAGAG TA	35391	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008224	17_-_40860140_40860162	GGGAGGGAAGACAGCTGGAGAGT	35392	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008225	17_-_40860140_40860163	TGGGAGGGAAGACAGCTGGAGAGT	35393	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008226	17_-_40860140_40860164	TTGGGAGGGAAGACAGCTGGAGAG T	35394	hsa-miR-6780a-5p;Derives_from=MI0022625

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008227	17_-_40860141_40860163	TGGGAGGGAAGACAGCTGGAGAG	35395	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008228	17_-_40860141_40860164	TTGGGAGGGAAGACAGCTGGAGAG	35396	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008229	17_-_40860142_40860163	TGGGAGGGAAGACAGCTGGAGA	35397	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008230	17_-_40860142_40860165	CTTGGGAGGGAAGACAGCTGGAGA	35398	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008231	17_-_40860143_40860164	TTGGGAGGGAAGACAGCTGGAG	35399	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008232	17_-_40860143_40860167	CACTTGGGAGGGAAGACAGCTGGAG	35400	hsa-miR-6780a-5p;Derives_from=MI0022625
NovelMiR_KnownLoci_ID0008233	17_-_40975895_40975919	TGCCTCTTTTTCCACGGCCTCAGGGA	35401	hsa-miR-6781-3p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008234	17_-_40975896_40975919	TGCCTCTTTTTCCACGGCCTCAGGG	35402	hsa-miR-6781-3p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008235	17_-_40975897_40975918	GCCTCTTTTTCCACGGCCTCAGG	35403	hsa-miR-6781-3p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008236	17_-_40975897_40975919	TGCCTCTTTTTCCACGGCCTCAGG	35404	hsa-miR-6781-3p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008237	17_-_40975898_40975920	TTGCCTCTTTTTCCACGGCCTCAG	35405	hsa-miR-6781-3p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008238	17_-_40975899_40975919	TGCCTCTTTTTCCACGGCCTCA	35406	hsa-miR-6781-3p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008239	17_-_40975930_40975956	CGGGCCGGAGGTCAAGGGCGTCGCTTC	35407	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008240	17_-_40975931_40975956	CGGGCCGGAGGTCAAGGGCGTCGCTT	35408	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008241	17_-_40975932_40975956	CGGGCCGGAGGTCAAGGGCGTCGCT	35409	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008242	17_-_40975933_40975956	CGGGCCGGAGGTCAAGGGCGTCGC	35410	hsa-miR-6781-5p;Derives_from=MI0022626

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008243	17_-_40975934_40975956	CGGGCCGGAGGTCAAGGGCGTCG	35411	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008244	17_-_40975934_40975957	CCGGGCCGGAGGTCAAGGGCGTCG	35412	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008245	17_-_40975935_40975956	CGGGCCGGAGGTCAAGGGCGTC	35413	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008246	17_-_40975935_40975957	CCGGGCCGGAGGTCAAGGGCGTC	35414	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008247	17_-_40975940_40975958	CCCGGGCCGGAGGTCAAGG	35415	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008248	17_-_40975942_40975960	ACCCCGGGCCGGAGGTCAA	35416	hsa-miR-6781-5p;Derives_from=MI0022626
NovelMiR_KnownLoci_ID0008249	17_+_41522226_41522248	TTCTCTTTGCCAAGGACAGATCT	35417	hsa-miR-2117;Derives_from=MI0010636
NovelMiR_KnownLoci_ID0008250	17_+_41522226_41522250	TTCTCTTTGCCAAGGACAGATCTGA	35418	hsa-miR-2117;Derives_from=MI0010636
NovelMiR_KnownLoci_ID0008251	17_-_42285135_42285158	TTTGTGTCCCCATCCTGCAGAAAC	35419	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008252	17_-_42285139_42285158	TTTGTGTCCCCATCCTGCAG	35420	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008253	17_-_42285139_42285162	CACCTTTGTGTCCCCATCCTGCAG	35421	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008254	17_-_42285140_42285161	ACCTTTGTGTCCCCATCCTGCA	35422	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008255	17_-_42285141_42285161	ACCTTTGTGTCCCCATCCTGC	35423	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008256	17_-_42285141_42285162	CACCTTTGTGTCCCCATCCTGC	35424	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008257	17_-_42285141_42285163	CCACCTTTGTGTCCCCATCCTGC	35425	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008258	17_-_42285142_42285162	CACCTTTGTGTCCCCATCCTG	35426	hsa-miR-6782-3p;Derives_from=MI0022627

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008259	17_-_42285143_42285162	CACCTTTGTGTCCCCATCCT	35427	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008260	17_-_42285145_42285166	CTGCCACCTTTGTGTCCCCATC	35428	hsa-miR-6782-3p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008261	17_-_42285176_42285196	TGGGGGAATTCAGGGGTGTCG	35429	hsa-miR-6782-5p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008262	17_-_42285177_42285202	TAGGGGTGGGGGAATTCAGGGGTGTC	35430	hsa-miR-6782-5p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008263	17_-_42285179_42285202	TAGGGGTGGGGGAATTCAGGGGTG	35431	hsa-miR-6782-5p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008264	17_-_42285180_42285202	TAGGGGTGGGGGAATTCAGGGGT	35432	hsa-miR-6782-5p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008265	17_-_42285183_42285202	TAGGGGTGGGGGAATTCAGG	35433	hsa-miR-6782-5p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008266	17_-_42285192_42285208	GTGGGGTAGGGGTGGGG	35434	hsa-miR-6782-5p;Derives_from=MI0022627
NovelMiR_KnownLoci_ID0008267	17_-_43011983_43012006	TCCTGGGCTTCTCCTCTGTAGCCA	35435	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008268	17_-_43011984_43012006	TCCTGGGCTTCTCCTCTGTAGCC	35436	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008269	17_-_43011985_43012006	TCCTGGGCTTCTCCTCTGTAGC	35437	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008270	17_-_43011985_43012007	TTCCTGGGCTTCTCCTCTGTAGC	35438	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008271	17_-_43011986_43012006	TCCTGGGCTTCTCCTCTGTAG	35439	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008272	17_-_43011988_43012007	TTCCTGGGCTTCTCCTCTGT	35440	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008273	17_-_43011988_43012009	CGTTCCTGGGCTTCTCCTCTGT	35441	hsa-miR-6783-3p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008274	17_-_43011989_43012009	CGTTCCTGGGCTTCTCCTCTG	35442	hsa-miR-6783-3p;Derives_from=MI0022628

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008275	17_-_43012019_43012041	GGGAAAAGTCCTGATCCGGGAAC	35443	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008276	17_-_43012019_43012045	TTAGGGGAAAAGTCCTGATCCGGGAAC	35444	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008277	17_-_43012020_43012044	TAGGGGAAAAGTCCTGATCCGGGA	35445	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008278	17_-_43012021_43012044	TAGGGGAAAAGTCCTGATCCGGGA	35446	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008279	17_-_43012022_43012044	TAGGGGAAAAGTCCTGATCCGGG	35447	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008280	17_-_43012023_43012045	TTAGGGGAAAAGTCCTGATCCGG	35448	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008281	17_-_43012024_43012044	TAGGGGAAAAGTCCTGATCCG	35449	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008282	17_-_43012024_43012045	TTAGGGGAAAAGTCCTGATCCG	35450	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008283	17_-_43012025_43012045	TTAGGGGAAAAGTCCTGATCC	35451	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008284	17_-_43012026_43012045	TTAGGGGAAAAGTCCTGATC	35452	hsa-miR-6783-5p;Derives_from=MI0022628
NovelMiR_KnownLoci_ID0008285	17_-_43191730_43191748	CAACTCTGCCCCAGGGAAC	35453	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008286	17_-_43191732_43191756	TCTCACCCCAACTCTGCCCCAGGG	35454	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008287	17_-_43191733_43191755	CTCACCCCAACTCTGCCCCAGGG	35455	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008288	17_-_43191733_43191756	TCTCACCCCAACTCTGCCCCAGGG	35456	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008289	17_-_43191734_43191755	CTCACCCCAACTCTGCCCCAGG	35457	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008290	17_-_43191734_43191756	TCTCACCCCAACTCTGCCCCAGG	35458	hsa-miR-6784-3p;Derives_from=MI0022629

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008291	17_-_43191734_43191757	GTCTCACCCCAACTCTGCCCCAGG	35459	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008292	17_-_43191735_43191757	GTCTCACCCCAACTCTGCCCCAG	35460	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008293	17_-_43191736_43191756	TCTCACCCCAACTCTGCCCCA	35461	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008294	17_-_43191737_43191757	GTCTCACCCCAACTCTGCCCC	35462	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008295	17_-_43191741_43191757	GTCTCACCCCAACTCTG	35463	hsa-miR-6784-3p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008296	17_-_43191771_43191794	CGGGGCTTTGGGTGAGGGACCCCC	35464	hsa-miR-6784-5p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008297	17_-_43191774_43191795	CCGGGGCTTTGGGTGAGGGACC	35465	hsa-miR-6784-5p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008298	17_-_43191775_43191794	CGGGGCTTTGGGTGAGGGAC	35466	hsa-miR-6784-5p;Derives_from=MI0022629
NovelMiR_KnownLoci_ID0008299	17_+_45050387_45050407	ACTTCAGTGGGATTTCTGAGT	35467	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008300	17_+_45050387_45050410	ACTTCAGTGGGATTTCTGAGTAGC	35468	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008301	17_+_45050389_45050413	TTCAGTGGGATTTCTGAGTAGCATC	35469	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008302	17_+_45050390_45050411	TCAGTGGGATTTCTGAGTAGCA	35470	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008303	17_+_45050390_45050413	TCAGTGGGATTTCTGAGTAGCATC	35471	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008304	17_+_45050392_45050412	AGTGGGATTTCTGAGTAGCAT	35472	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008305	17_+_45050393_45050414	GTGGGATTTCTGAGTAGCATCC	35473	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008306	17_+_45050394_45050412	TGGGATTTCTGAGTAGCAT	35474	hsa-miR-5089-5p;Derives_from=MI0017978

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008307	17_+_45050394_45050413	TGGGATTTCTGAGTAGCATC	35475	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008308	17_+_45050394_45050414	TGGGATTTCTGAGTAGCATCC	35476	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008309	17_+_45050394_45050415	TGGGATTTCTGAGTAGCATCCT	35477	hsa-miR-5089-5p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008310	17_+_45050434_45050453	GATGCTACTCGGAAATCCCA	35478	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008311	17_+_45050434_45050454	GATGCTACTCGGAAATCCCAC	35479	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008312	17_+_45050434_45050455	GATGCTACTCGGAAATCCCACT	35480	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008313	17_+_45050434_45050456	GATGCTACTCGGAAATCCCACTG	35481	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008314	17_+_45050435_45050453	ATGCTACTCGGAAATCCCA	35482	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008315	17_+_45050435_45050456	ATGCTACTCGGAAATCCCACTG	35483	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008316	17_+_45050435_45050458	ATGCTACTCGGAAATCCCACTGAA	35484	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008317	17_+_45050435_45050459	ATGCTACTCGGAAATCCCACTGAAG	35485	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008318	17_+_45050435_45050461	ATGCTACTCGGAAATCCCACTGAAGTC	35486	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008319	17_+_45050436_45050457	TGCTACTCGGAAATCCCACTGA	35487	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008320	17_+_45050436_45050461	TGCTACTCGGAAATCCCACTGAAGTC	35488	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008321	17_+_45050438_45050456	CTACTCGGAAATCCCACTG	35489	hsa-miR-5089-3p;Derives_from=MI0017978
NovelMiR_KnownLoci_ID0008322	17_+_45050438_45050457	CTACTCGGAAATCCCACTGA	35490	hsa-miR-5089-3p;Derives_from=MI0017978

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008323	17_-_46114537_46114560	TCAGTGCATGACAGAACTTGGGCC	35491	hsa-miR-152-3p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008324	17_-_46114538_46114560	TCAGTGCATGACAGAACTTGGGC	35492	hsa-miR-152-3p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008325	17_-_46114539_46114560	TCAGTGCATGACAGAACTTGGG	35493	hsa-miR-152-3p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008326	17_-_46114541_46114560	TCAGTGCATGACAGAACTTG	35494	hsa-miR-152-3p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008327	17_-_46114542_46114560	TCAGTGCATGACAGAACTT	35495	hsa-miR-152-3p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008328	17_-_46114572_46114598	AGGTTCTGTGATACACTCCGACTCGGG	35496	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008329	17_-_46114572_46114599	CAGGTTCTGTGATACACTCCGACTCGGG	35497	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008330	17_-_46114574_46114598	AGGTTCTGTGATACACTCCGACTCG	35498	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008331	17_-_46114575_46114598	AGGTTCTGTGATACACTCCGACTC	35499	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008332	17_-_46114575_46114599	CAGGTTCTGTGATACACTCCGACTC	35500	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008333	17_-_46114576_46114597	GGTTCTGTGATACACTCCGACT	35501	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008334	17_-_46114576_46114599	CAGGTTCTGTGATACACTCCGACT	35502	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008335	17_-_46114577_46114598	AGGTTCTGTGATACACTCCGAC	35503	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008336	17_-_46114577_46114599	CAGGTTCTGTGATACACTCCGAC	35504	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008337	17_-_46114578_46114599	CAGGTTCTGTGATACACTCCGA	35505	hsa-miR-152-5p;Derives_from=MI0000462
NovelMiR_KnownLoci_ID0008338	17_-_46114580_46114599	CAGGTTCTGTGATACACTCC	35506	hsa-miR-152-5p;Derives_from=MI0000462

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008339	17_-_46233842_46233859	AGGATGCAGCTCAAGCCA	35507	hsa-miR-1203;Derives_from=MI0006335
NovelMiR_KnownLoci_ID0008340	17_-_46233848_46233874	TTCCTCCCCGGAGCCAGGATGCAGCTC	35508	hsa-miR-1203;Derives_from=MI0006335
NovelMiR_KnownLoci_ID0008341	17_-_46233854_46233874	TTCCTCCCCGGAGCCAGGATG	35509	hsa-miR-1203;Derives_from=MI0006335
NovelMiR_KnownLoci_ID0008342	17_-_46657224_46657246	AAATTCGTATCTAGGGGAATATG	35510	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008343	17_-_46657224_46657247	CAAATTCGTATCTAGGGGAATATG	35511	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008344	17_-_46657225_46657246	AAATTCGTATCTAGGGGAATAT	35512	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008345	17_-_46657225_46657247	CAAATTCGTATCTAGGGGAATAT	35513	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008346	17_-_46657226_46657245	AATTCGTATCTAGGGGAATA	35514	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008347	17_-_46657226_46657246	AAATTCGTATCTAGGGGAATA	35515	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008348	17_-_46657227_46657246	AAATTCGTATCTAGGGGAAT	35516	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008349	17_-_46657227_46657247	CAAATTCGTATCTAGGGGAAT	35517	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008350	17_-_46657228_46657247	CAAATTCGTATCTAGGGGAA	35518	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008351	17_-_46657228_46657249	CACAAATTCGTATCTAGGGGAA	35519	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008352	17_-_46657229_46657247	CAAATTCGTATCTAGGGGA	35520	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008353	17_-_46657229_46657250	TCACAAATTCGTATCTAGGGGA	35521	hsa-miR-10a-3p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008354	17_-_46657262_46657287	ACCCTGTAGATCCGAATTTGTGTAAG	35522	hsa-miR-10a-5p;Derives_from=MI0000266

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008355	17_-_46657262_46657288	TACCCTGTAGATCCGAATTTGTGTAAG	35523	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008356	17_-_46657264_46657288	TACCCTGTAGATCCGAATTTGTGTA	35524	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008357	17_-_46657265_46657287	ACCCTGTAGATCCGAATTTGTGT	35525	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008358	17_-_46657265_46657288	TACCCTGTAGATCCGAATTTGTGT	35526	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008359	17_-_46657266_46657287	ACCCTGTAGATCCGAATTTGTG	35527	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008360	17_-_46657267_46657287	ACCCTGTAGATCCGAATTTGT	35528	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008361	17_-_46657267_46657288	TACCCTGTAGATCCGAATTTGT	35529	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008362	17_-_46657268_46657288	TACCCTGTAGATCCGAATTTG	35530	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008363	17_-_46657269_46657287	ACCCTGTAGATCCGAATTT	35531	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008364	17_-_46657269_46657288	TACCCTGTAGATCCGAATTT	35532	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008365	17_-_46657270_46657287	ACCCTGTAGATCCGAATT	35533	hsa-miR-10a-5p;Derives_from=MI0000266
NovelMiR_KnownLoci_ID0008366	17_-_46709888_46709907	TTCATGTTGTTGGGCCTGGG	35534	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008367	17_-_46709888_46709908	TTTCATGTTGTTGGGCCTGGG	35535	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008368	17_-_46709890_46709912	GTAGTTTCATGTTGTTGGGCCTG	35536	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008369	17_-_46709890_46709915	TAGGTAGTTTCATGTTGTTGGGCCTG	35537	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008370	17_-_46709891_46709912	GTAGTTTCATGTTGTTGGGCCT	35538	hsa-miR-196a-5p;Derives_from=MI0000238

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008371	17_-_46709891_46709914	AGGTAGTTTCATGTTGTTGGGCCT	35539	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008372	17_-_46709891_46709915	TAGGTAGTTTCATGTTGTTGGGCCT	35540	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008373	17_-_46709892_46709912	GTAGTTTCATGTTGTTGGGCC	35541	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008374	17_-_46709892_46709914	AGGTAGTTTCATGTTGTTGGGCC	35542	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008375	17_-_46709892_46709915	TAGGTAGTTTCATGTTGTTGGGCC	35543	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008376	17_-_46709893_46709912	GTAGTTTCATGTTGTTGGGC	35544	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008377	17_-_46709893_46709914	AGGTAGTTTCATGTTGTTGGGC	35545	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008378	17_-_46709893_46709915	TAGGTAGTTTCATGTTGTTGGGC	35546	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008379	17_-_46709895_46709915	TAGGTAGTTTCATGTTGTTGG	35547	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008380	17_-_46709895_46709918	AATTAGGTAGTTTCATGTTGTTGG	35548	hsa-miR-196a-5p;Derives_from=MI0000238
NovelMiR_KnownLoci_ID0008381	17_-_46801808_46801829	GAAGAAGGCGGTCGGTCTGCGG	35549	hsa-miR-3185;Derives_from=MI0014227
NovelMiR_KnownLoci_ID0008382	17_-_47365775_47365796	TGAGGGAGTTGGGTGTATAGGA	35550	hsa-miR-6129;Derives_from=MI0021274
NovelMiR_KnownLoci_ID0008383	17_-_47365775_47365797	GTGAGGGAGTTGGGTGTATAGGA	35551	hsa-miR-6129;Derives_from=MI0021274
NovelMiR_KnownLoci_ID0008384	17_-_47365776_47365796	TGAGGGAGTTGGGTGTATAGG	35552	hsa-miR-6129;Derives_from=MI0021274
NovelMiR_KnownLoci_ID0008385	17_-_47365777_47365796	TGAGGGAGTTGGGTGTATAG	35553	hsa-miR-6129;Derives_from=MI0021274
NovelMiR_KnownLoci_ID0008386	17_-_47365777_47365797	GTGAGGGAGTTGGGTGTATAG	35554	hsa-miR-6129;Derives_from=MI0021274

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008387	17_-_47365779_47365802	TTCCAGTGAGGGAGTTGGGTGTAT	35555	hsa-miR-6129;Derives_from=MI0021274
NovelMiR_KnownLoci_ID0008388	17_+_47588181_47588199	GCAGGTCAGCAGGAGGTGA	35556	hsa-miR-6165;Derives_from=MI0021472
NovelMiR_KnownLoci_ID0008389	17_-_4872991_4873009	TCTCTCCCTTCAGGGCCGG	35557	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008390	17_-_4872991_4873016	TGAGACTTCTCTCCCTTCAGGGCCGG	35558	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008391	17_-_4872994_4873011	CTTCTCTCCCTTCAGGGC	35559	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008392	17_-_4872994_4873017	GTGAGACTTCTCTCCCTTCAGGGC	35560	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008393	17_-_4872995_4873017	GTGAGACTTCTCTCCCTTCAGGG	35561	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008394	17_-_4872996_4873016	TGAGACTTCTCTCCCTTCAGG	35562	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008395	17_-_4872996_4873017	GTGAGACTTCTCTCCCTTCAGG	35563	hsa-miR-6864-3p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008396	17_-_4873035_4873061	TTGAAGGGACAAGTCAGATATGCCATT	35564	hsa-miR-6864-5p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008397	17_-_4873037_4873060	TGAAGGGACAAGTCAGATATGCCA	35565	hsa-miR-6864-5p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008398	17_-_4873037_4873061	TTGAAGGGACAAGTCAGATATGCCA	35566	hsa-miR-6864-5p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008399	17_-_4873038_4873060	TGAAGGGACAAGTCAGATATGCC	35567	hsa-miR-6864-5p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008400	17_-_4873039_4873061	TTGAAGGGACAAGTCAGATATGC	35568	hsa-miR-6864-5p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008401	17_-_4873040_4873060	TGAAGGGACAAGTCAGATATG	35569	hsa-miR-6864-5p;Derives_from=MI0022711
NovelMiR_KnownLoci_ID0008402	17_-_4873040_4873061	TTGAAGGGACAAGTCAGATATG	35570	hsa-miR-6864-5p;Derives_from=MI0022711

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008403	17_-_4873380_4873402	CCTCTTTCCCTACCGCCTACAGC	35571	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008404	17_-_4873380_4873406	ACACCCTCTTTCCCTACCGCCTACAGC	35572	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008405	17_-_4873382_4873406	ACACCCTCTTTCCCTACCGCCTACA	35573	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008406	17_-_4873383_4873406	ACACCCTCTTTCCCTACCGCCTAC	35574	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008407	17_-_4873384_4873406	ACACCCTCTTTCCCTACCGCCTA	35575	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008408	17_-_4873385_4873406	ACACCCTCTTTCCCTACCGCCT	35576	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008409	17_-_4873387_4873406	ACACCCTCTTTCCCTACCGC	35577	hsa-miR-6865-3p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008410	17_-_4873412_4873431	GAGGAGGGACTTCAGATGCT	35578	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008411	17_-_4873417_4873440	TAGGTGGCAGAGGAGGGACTTCAG	35579	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008412	17_-_4873417_4873442	CATAGGTGGCAGAGGAGGGACTTCAG	35580	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008413	17_-_4873418_4873441	ATAGGTGGCAGAGGAGGGACTTCA	35581	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008414	17_-_4873418_4873442	CATAGGTGGCAGAGGAGGGACTTCA	35582	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008415	17_-_4873419_4873442	CATAGGTGGCAGAGGAGGGACTTC	35583	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008416	17_-_4873420_4873441	ATAGGTGGCAGAGGAGGGACTT	35584	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008417	17_-_4873420_4873442	CATAGGTGGCAGAGGAGGGACTT	35585	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008418	17_-_4873421_4873440	TAGGTGGCAGAGGAGGGACT	35586	hsa-miR-6865-5p;Derives_from=MI0022712

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008419	17_-_4873421_4873441	ATAGGTGGCAGAGGAGGGACT	35587	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008420	17_-_4873421_4873442	CATAGGTGGCAGAGGAGGGACT	35588	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008421	17_-_4873421_4873443	CCATAGGTGGCAGAGGAGGGACT	35589	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008422	17_-_4873422_4873441	ATAGGTGGCAGAGGAGGGAC	35590	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008423	17_-_4873422_4873444	TCCATAGGTGGCAGAGGAGGGAC	35591	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008424	17_-_4873423_4873442	CATAGGTGGCAGAGGAGGGA	35592	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008425	17_-_4873423_4873443	CCATAGGTGGCAGAGGAGGGA	35593	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008426	17_-_4873424_4873443	CCATAGGTGGCAGAGGAGGG	35594	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008427	17_-_4873429_4873446	CATCCATAGGTGGCAGAG	35595	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008428	17_-_4873430_4873446	CATCCATAGGTGGCAGA	35596	hsa-miR-6865-5p;Derives_from=MI0022712
NovelMiR_KnownLoci_ID0008429	17_-_54968640_54968661	CCTTCAGATCTTGGTGTTTTGA	35597	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008430	17_-_54968640_54968664	TAGCCTTCAGATCTTGGTGTTTTG A	35598	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008431	17_-_54968641_54968661	CCTTCAGATCTTGGTGTTTTG	35599	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008432	17_-_54968641_54968664	TAGCCTTCAGATCTTGGTGTTTTG	35600	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008433	17_-_54968642_54968661	CCTTCAGATCTTGGTGTTTT	35601	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008434	17_-_54968643_54968661	CCTTCAGATCTTGGTGTTT	35602	hsa-miR-3614-3p;Derives_from=MI0016004

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008435	17_-_54968643_54968664	TAGCCTTCAGATCTTGGTGTTT	35603	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008436	17_-_54968643_54968665	GTAGCCTTCAGATCTTGGTGTTT	35604	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008437	17_-_54968644_54968664	TAGCCTTCAGATCTTGGTGTT	35605	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008438	17_-_54968644_54968665	GTAGCCTTCAGATCTTGGTGTT	35606	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008439	17_-_54968644_54968668	GGGGTAGCCTTCAGATCTTGGTGTT	35607	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008440	17_-_54968645_54968664	TAGCCTTCAGATCTTGGTGT	35608	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008441	17_-_54968645_54968665	GTAGCCTTCAGATCTTGGTGT	35609	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008442	17_-_54968645_54968668	GGGGTAGCCTTCAGATCTTGGTGT	35610	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008443	17_-_54968647_54968668	GGGGTAGCCTTCAGATCTTGGT	35611	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008444	17_-_54968652_54968669	TGGGGTAGCCTTCAGATC	35612	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008445	17_-_54968654_54968669	TGGGGTAGCCTTCAGA	35613	hsa-miR-3614-3p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008446	17_-_54968674_54968691	TGAAGGCTGCCCCTTTGC	35614	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008447	17_-_54968674_54968694	ATCTGAAGGCTGCCCCTTTGC	35615	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008448	17_-_54968678_54968701	CACTTGGATCTGAAGGCTGCCCCT	35616	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008449	17_-_54968678_54968702	CCACTTGGATCTGAAGGCTGCCCCT	35617	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008450	17_-_54968679_54968698	TTGGATCTGAAGGCTGCCCC	35618	hsa-miR-3614-5p;Derives_from=MI0016004

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008451	17_-_54968679_54968701	CACTTGGATCTGAAGGCTGCCCC	35619	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008452	17_-_54968679_54968702	CCACTTGGATCTGAAGGCTGCCCC	35620	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008453	17_-_54968679_54968703	GCCACTTGGATCTGAAGGCTGCCCC	35621	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008454	17_-_54968681_54968702	CCACTTGGATCTGAAGGCTGCC	35622	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008455	17_-_54968682_54968702	CCACTTGGATCTGAAGGCTGC	35623	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008456	17_-_54968683_54968702	CCACTTGGATCTGAAGGCTG	35624	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008457	17_-_54968684_54968702	CCACTTGGATCTGAAGGCT	35625	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008458	17_-_54968685_54968702	CCACTTGGATCTGAAGGC	35626	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008459	17_-_54968686_54968702	CCACTTGGATCTGAAGG	35627	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008460	17_-_54968690_54968708	CTTGGGCCACTTGGATCTG	35628	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0008461	17_-_56408604_56408625	AGTGTTTCCTACTTTATGGATG	35629	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008462	17_-_56408604_56408627	GTAGTGTTTCCTACTTTATGGATG	35630	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008463	17_-_56408604_56408628	TGTAGTGTTTCCTACTTTATGGATG	35631	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008464	17_-_56408605_56408627	GTAGTGTTTCCTACTTTATGGAT	35632	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008465	17_-_56408605_56408628	TGTAGTGTTTCCTACTTTATGGAT	35633	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008466	17_-_56408606_56408627	GTAGTGTTTCCTACTTTATGGA	35634	hsa-miR-142-3p;Derives_from=MI0000458

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008467	17_-_56408607_56408627	GTAGTGTTTCCTACTTTATGG	35635	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008468	17_-_56408607_56408628	TGTAGTGTTTCCTACTTTATGG	35636	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008469	17_-_56408608_56408627	GTAGTGTTTCCTACTTTATG	35637	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008470	17_-_56408609_56408627	GTAGTGTTTCCTACTTTAT	35638	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008471	17_-_56408609_56408628	TGTAGTGTTTCCTACTTTAT	35639	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008472	17_-_56408610_56408628	TGTAGTGTTTCCTACTTTA	35640	hsa-miR-142-3p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008473	17_-_56408640_56408664	CATAAAGTAGAAAGCACTACTAACA	35641	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008474	17_-_56408640_56408666	CCCATAAAGTAGAAAGCACTACTAACA	35642	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008475	17_-_56408641_56408663	ATAAAGTAGAAAGCACTACTAAC	35643	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008476	17_-_56408641_56408664	CATAAAGTAGAAAGCACTACTAAC	35644	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008477	17_-_56408643_56408663	ATAAAGTAGAAAGCACTACTA	35645	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008478	17_-_56408643_56408664	CATAAAGTAGAAAGCACTACTA	35646	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008479	17_-_56408644_56408663	ATAAAGTAGAAAGCACTACT	35647	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008480	17_-_56408645_56408663	ATAAAGTAGAAAGCACTAC	35648	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008481	17_-_56408645_56408664	CATAAAGTAGAAAGCACTAC	35649	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008482	17_-_56408645_56408666	CCCATAAAGTAGAAAGCACTAC	35650	hsa-miR-142-5p;Derives_from=MI0000458

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008483	17_-_56408646_56408664	CATAAAGTAGAAAGCACTA	35651	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008484	17_-_56408646_56408666	CCCATAAAGTAGAAAGCACTA	35652	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008485	17_-_56408647_56408666	CCCATAAAGTAGAAAGCACT	35653	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008486	17_-_56408648_56408666	CCCATAAAGTAGAAAGCAC	35654	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0008487	17_-_56413359_56413374	ATCTGGGCTGCCATCT	35655	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008488	17_-_56413359_56413375	TATCTGGGCTGCCATCT	35656	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008489	17_-_56413359_56413379	AGGTTATCTGGGCTGCCATCT	35657	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008490	17_-_56413359_56413381	GCAGGTTATCTGGGCTGCCATCT	35658	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008491	17_-_56413361_56413379	AGGTTATCTGGGCTGCCAT	35659	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008492	17_-_56413361_56413381	GCAGGTTATCTGGGCTGCCAT	35660	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008493	17_-_56413362_56413380	CAGGTTATCTGGGCTGCCA	35661	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008494	17_-_56413363_56413380	CAGGTTATCTGGGCTGCC	35662	hsa-miR-4736;Derives_from=MI0017373
NovelMiR_KnownLoci_ID0008495	17_-_57215142_57215167	TGCAATATTGCTTATAGGGTTTTGGT	35663	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008496	17_-_57215145_57215167	TGCAATATTGCTTATAGGGTTTT	35664	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008497	17_-_57215146_57215167	TGCAATATTGCTTATAGGGTTT	35665	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008498	17_-_57215146_57215169	AGTGCAATATTGCTTATAGGGTTT	35666	hsa-miR-454-3p;Derives_from=MI0003820

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008499	17_-_57215146_57215170	TAGTGCAATATTGCTTATAGGGTT T	35667	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008500	17_-_57215147_57215167	TGCAATATTGCTTATAGGGTT	35668	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008501	17_-_57215147_57215169	AGTGCAATATTGCTTATAGGGTT	35669	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008502	17_-_57215147_57215170	TAGTGCAATATTGCTTATAGGGTT	35670	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008503	17_-_57215148_57215167	TGCAATATTGCTTATAGGGT	35671	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008504	17_-_57215148_57215169	AGTGCAATATTGCTTATAGGGT	35672	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008505	17_-_57215149_57215170	TAGTGCAATATTGCTTATAGGG	35673	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008506	17_-_57215150_57215169	AGTGCAATATTGCTTATAGG	35674	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008507	17_-_57215150_57215170	TAGTGCAATATTGCTTATAGG	35675	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008508	17_-_57215151_57215169	AGTGCAATATTGCTTATAG	35676	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008509	17_-_57215151_57215170	TAGTGCAATATTGCTTATAG	35677	hsa-miR-454-3p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008510	17_-_57215184_57215201	ATATTGTCTCTGCTGTGT	35678	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008511	17_-_57215184_57215210	ACCCTATCAATATTGTCTCTGCTG TGT	35679	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008512	17_-_57215186_57215210	ACCCTATCAATATTGTCTCTGCTG T	35680	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008513	17_-_57215187_57215210	ACCCTATCAATATTGTCTCTGCTG	35681	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008514	17_-_57215188_57215210	ACCCTATCAATATTGTCTCTGCT	35682	hsa-miR-454-5p;Derives_from=MI0003820

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008515	17_-_57215190_57215210	ACCCTATCAATATTGTCTCTG	35683	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008516	17_-_57215191_57215210	ACCCTATCAATATTGTCTCT	35684	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008517	17_-_57215192_57215210	ACCCTATCAATATTGTCTC	35685	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008518	17_-_57215193_57215210	ACCCTATCAATATTGTCT	35686	hsa-miR-454-5p;Derives_from=MI0003820
NovelMiR_KnownLoci_ID0008519	17_-_57228506_57228531	AGTGCAATAGTATTGTCAAAGCAT CT	35687	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008520	17_-_57228506_57228532	CAGTGCAATAGTATTGTCAAAGCA TCT	35688	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008521	17_-_57228507_57228529	TGCAATAGTATTGTCAAAGCATC	35689	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008522	17_-_57228507_57228531	AGTGCAATAGTATTGTCAAAGCAT C	35690	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008523	17_-_57228507_57228532	CAGTGCAATAGTATTGTCAAAGCA TC	35691	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008524	17_-_57228508_57228532	CAGTGCAATAGTATTGTCAAAGCA T	35692	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008525	17_-_57228509_57228532	CAGTGCAATAGTATTGTCAAAGCA	35693	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008526	17_-_57228511_57228532	CAGTGCAATAGTATTGTCAAAG	35694	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008527	17_-_57228512_57228532	CAGTGCAATAGTATTGTCAAA	35695	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008528	17_-_57228513_57228532	CAGTGCAATAGTATTGTCAA	35696	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008529	17_-_57228514_57228532	CAGTGCAATAGTATTGTCA	35697	hsa-miR-301a-3p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008530	17_-_57228546_57228569	GCTCTGACTTTATTGCACTACTGT	35698	hsa-miR-301a-5p;Derives_from=MI0000745

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008531	17_-_57228547_57228569	GCTCTGACTTTATTGCACTACTG	35699	hsa-miR-301a-5p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008532	17_-_57228549_57228569	GCTCTGACTTTATTGCACTAC	35700	hsa-miR-301a-5p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008533	17_-_57228550_57228569	GCTCTGACTTTATTGCACTA	35701	hsa-miR-301a-5p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008534	17_-_57228551_57228569	GCTCTGACTTTATTGCACT	35702	hsa-miR-301a-5p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008535	17_-_57228551_57228573	GAATGCTCTGACTTTATTGCACT	35703	hsa-miR-301a-5p;Derives_from=MI0000745
NovelMiR_KnownLoci_ID0008536	17_+_57443447_57443468	GTTTCCTCATTTATCTGTTGGG	35704	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008537	17_+_57443449_57443472	TTCCTCATTTATCTGTTGGGAAGC	35705	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008538	17_+_57443453_57443471	TCATTTATCTGTTGGGAAG	35706	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008539	17_+_57443453_57443472	TCATTTATCTGTTGGGAAGC	35707	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008540	17_+_57443453_57443473	TCATTTATCTGTTGGGAAGCT	35708	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008541	17_+_57443453_57443475	TCATTTATCTGTTGGGAAGCTAA	35709	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008542	17_+_57443453_57443476	TCATTTATCTGTTGGGAAGCTAAC	35710	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008543	17_+_57443454_57443475	CATTTATCTGTTGGGAAGCTAA	35711	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008544	17_+_57443454_57443476	CATTTATCTGTTGGGAAGCTAAC	35712	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008545	17_+_57443459_57443479	ATCTGTTGGGAAGCTAACTGT	35713	hsa-miR-4729;Derives_from=MI0017366
NovelMiR_KnownLoci_ID0008546	17_+_57918634_57918651	TAGCTTATCAGACTGATG	35714	hsa-miR-21-5p;Derives_from=MI0000077

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008547	17_+_57918634_57918653	TAGCTTATCAGACTGATGTT	35715	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008548	17_+_57918634_57918654	TAGCTTATCAGACTGATGTTG	35716	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008549	17_+_57918634_57918656	TAGCTTATCAGACTGATGTTGAC	35717	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008550	17_+_57918634_57918657	TAGCTTATCAGACTGATGTTGACT	35718	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008551	17_+_57918635_57918656	AGCTTATCAGACTGATGTTGAC	35719	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008552	17_+_57918637_57918654	CTTATCAGACTGATGTTG	35720	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008553	17_+_57918637_57918655	CTTATCAGACTGATGTTGA	35721	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008554	17_+_57918637_57918656	CTTATCAGACTGATGTTGAC	35722	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008555	17_+_57918637_57918657	CTTATCAGACTGATGTTGACT	35723	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008556	17_+_57918637_57918658	CTTATCAGACTGATGTTGACTG	35724	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008557	17_+_57918637_57918661	CTTATCAGACTGATGTTGACTGTTG	35725	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008558	17_+_57918668_57918689	ATGGCAACACCAGTCGATGGGC	35726	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008559	17_+_57918672_57918687	CAACACCAGTCGATGG	35727	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008560	17_+_57918672_57918688	CAACACCAGTCGATGGG	35728	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008561	17_+_57918672_57918690	CAACACCAGTCGATGGGCT	35729	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008562	17_+_57918672_57918691	CAACACCAGTCGATGGGCTG	35730	hsa-miR-21-3p;Derives_from=MI0000077

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008563	17_+_57918672_57918693	CAACACCAGTCGATGGGCTGTC	35731	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008564	17_+_57918672_57918694	CAACACCAGTCGATGGGCTGTCT	35732	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008565	17_+_57918672_57918695	CAACACCAGTCGATGGGCTGTCTG	35733	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008566	17_+_57918673_57918694	AACACCAGTCGATGGGCTGTCT	35734	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0008567	17_-_58120435_58120456	TGCGAGGATGCTGACAGTGCCT	35735	hsa-miR-4737;Derives_from=MI0017374
NovelMiR_KnownLoci_ID0008568	17_-_58120435_58120457	ATGCGAGGATGCTGACAGTGCCT	35736	hsa-miR-4737;Derives_from=MI0017374
NovelMiR_KnownLoci_ID0008569	17_-_58120436_58120457	ATGCGAGGATGCTGACAGTGCC	35737	hsa-miR-4737;Derives_from=MI0017374
NovelMiR_KnownLoci_ID0008570	17_+_61021631_61021646	GAAGGCTAATAGTATC	35738	hsa-miR-633;Derives_from=MI0003648
NovelMiR_KnownLoci_ID0008571	17_+_61021635_61021655	GCTAATAGTATCTACCACAAT	35739	hsa-miR-633;Derives_from=MI0003648
NovelMiR_KnownLoci_ID0008572	17_-_62496889_62496912	CCACACTGCAACACCTTACAGATG	35740	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008573	17_-_62496889_62496914	TGCCACACTGCAACACCTTACAGATG	35741	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008574	17_-_62496889_62496915	TTGCCACACTGCAACACCTTACAGATG	35742	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008575	17_-_62496892_62496913	GCCACACTGCAACACCTTACAG	35743	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008576	17_-_62496892_62496915	TTGCCACACTGCAACACCTTACAG	35744	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008577	17_-_62496893_62496914	TGCCACACTGCAACACCTTACA	35745	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008578	17_-_62496893_62496916	TTTGCCACACTGCAACACCTTACA	35746	hsa-miR-3064-3p;Derives_from=MI0017375

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008579	17_-_62496894_62496915	TTGCCACACTGCAACACCTTAC	35747	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008580	17_-_62496894_62496916	TTTGCCACACTGCAACACCTTAC	35748	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008581	17_-_62496895_62496914	TGCCACACTGCAACACCTTA	35749	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008582	17_-_62496895_62496915	TTGCCACACTGCAACACCTTA	35750	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008583	17_-_62496895_62496916	TTTGCCACACTGCAACACCTTA	35751	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008584	17_-_62496896_62496916	TTTGCCACACTGCAACACCTT	35752	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008585	17_-_62496897_62496916	CTTGCCACACTGCAACACCT	35753	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008586	17_-_62496901_62496920	CTATTTTGCCACACTGCAAC	35754	hsa-miR-3064-3p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008587	17_-_62496929_62496949	TGTTGTGGTGTGCAAAACTCC	35755	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008588	17_-_62496929_62496950	CTGTTGTGGTGTGCAAAACTCC	35756	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008589	17_-_62496929_62496951	GCTGTTGTGGTGTGCAAAACTCC	35757	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008590	17_-_62496929_62496955	TCTGGCTGTTGTGGTGTGCAAAAC TCC	35758	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008591	17_-_62496930_62496953	TGGCTGTTGTGGTGTGCAAAACTC	35759	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008592	17_-_62496930_62496955	TCTGGCTGTTGTGGTGTGCAAAAC TC	35760	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008593	17_-_62496931_62496952	GGCTGTTGTGGTGTGCAAAACT	35761	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008594	17_-_62496931_62496953	TGGCTGTTGTGGTGTGCAAAACT	35762	hsa-miR-3064-5p;Derives_from=MI0017375

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008595	17_-_62496931_62496956	GTCTGGCTGTTGTGGTGTGCAAAACT	35763	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008596	17_-_62496931_62496958	TGGTCTGGCTGTTGTGGTGTGCAAAACT	35764	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008597	17_-_62496932_62496953	TGGCTGTTGTGGTGTGCAAAAC	35765	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008598	17_-_62496932_62496955	TCTGGCTGTTGTGGTGTGCAAAAC	35766	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008599	17_-_62496933_62496953	TGGCTGTTGTGGTGTGCAAAA	35767	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008600	17_-_62496933_62496955	TCTGGCTGTTGTGGTGTGCAAAA	35768	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008601	17_-_62496933_62496956	GTCTGGCTGTTGTGGTGTGCAAAA	35769	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008602	17_-_62496934_62496953	TGGCTGTTGTGGTGTGCAAA	35770	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008603	17_-_62496934_62496955	TCTGGCTGTTGTGGTGTGCAAA	35771	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008604	17_-_62496934_62496956	GTCTGGCTGTTGTGGTGTGCAAA	35772	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008605	17_-_62496935_62496952	GGCTGTTGTGGTGTGCAA	35773	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008606	17_-_62496935_62496953	TGGCTGTTGTGGTGTGCAA	35774	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008607	17_-_62496935_62496954	CTGGCTGTTGTGGTGTGCAA	35775	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008608	17_-_62496936_62496955	TCTGGCTGTTGTGGTGTGCA	35776	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008609	17_-_62496937_62496955	TCTGGCTGTTGTGGTGTGC	35777	hsa-miR-3064-5p;Derives_from=MI0017375
NovelMiR_KnownLoci_ID0008610	17_-_62497342_62497362	CTGCGGTTGTAAGGTCTTGGC	35778	hsa-miR-5047;Derives_from=MI0017932

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008611	17_-_62497342_62497363	GCTGCGGTTGTAAGGTCTTGGC	35779	hsa-miR-5047;Derives_from=MI0017932
NovelMiR_KnownLoci_ID0008612	17_-_62497342_62497364	AGCTGCGGTTGTAAGGTCTTGGC	35780	hsa-miR-5047;Derives_from=MI0017932
NovelMiR_KnownLoci_ID0008613	17_-_6558763_6558786	TGGACAGAAAACACGCAGGAAGAA	35781	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008614	17_-_6558763_6558787	TTGGACAGAAAACACGCAGGAAGAA	35782	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008615	17_+_6558764_6558783	TCTTCCTGCGTGTTTTCTGT	35783	hsa-miR-4520b-5p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008616	17_-_6558764_6558786	TGGACAGAAAACACGCAGGAAGA	35784	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008617	17_-_6558764_6558787	TTGGACAGAAAACACGCAGGAAGA	35785	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008618	17_-_6558765_6558786	TGGACAGAAAACACGCAGGAAG	35786	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008619	17_-_6558765_6558787	TTGGACAGAAAACACGCAGGAAG	35787	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008620	17_-_6558765_6558788	TTTGGACAGAAAACACGCAGGAAG	35788	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008621	17_+_6558766_6558784	TTCCTGCGTGTTTTCTGTC	35789	hsa-miR-4520b-5p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008622	17_-_6558766_6558788	TTTGGACAGAAAACACGCAGGAA	35790	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008623	17_-_6558767_6558787	TTGGACAGAAAACACGCAGGA	35791	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008624	17_+_6558767_6558787	TCCTGCGTGTTTTCTGTCCAA	35792	hsa-miR-4520b-5p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008625	17_-_6558767_6558788	TTTGGACAGAAAACACGCAGGA	35793	hsa-miR-4520a-3p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008626	17_-_6558797_6558816	CGTGTTTTCTGTCCAAATCA	35794	hsa-miR-4520a-5p;Derives_from=MI0016886

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008627	17_-_6558798_6558822	CACCTGCGTGTTTTCTGTCCAAATC	35795	hsa-miR-4520a-5p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008628	17_-_6558799_6558821	ACCTGCGTGTTTTCTGTCCAAAT	35796	hsa-miR-4520a-5p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008629	17_+_6558799_6558821	ATTTGGACAGAAAACACGCAGGT	35797	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008630	17_-_6558799_6558823	CCACCTGCGTGTTTTCTGTCCAAAT	35798	hsa-miR-4520a-5p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008631	17_-_6558800_6558821	ACCTGCGTGTTTTCTGTCCAAA	35799	hsa-miR-4520a-5p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008632	17_-_6558800_6558822	CACCTGCGTGTTTTCTGTCCAAA	35800	hsa-miR-4520a-5p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008633	17_+_6558800_6558822	TTTGGACAGAAAACACGCAGGTG	35801	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008634	17_+_6558800_6558823	TTTGGACAGAAAACACGCAGGTGG	35802	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008635	17_+_6558801_6558822	TTGGACAGAAAACACGCAGGTG	35803	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008636	17_+_6558801_6558823	TTGGACAGAAAACACGCAGGTGG	35804	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008637	17_+_6558802_6558821	TGGACAGAAAACACGCAGGT	35805	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008638	17_+_6558802_6558823	TGGACAGAAAACACGCAGGTGG	35806	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008639	17_-_6558803_6558823	CCACCTGCGTGTTTTCTGTCC	35807	hsa-miR-4520a-5p;Derives_from=MI0016886
NovelMiR_KnownLoci_ID0008640	17_+_6558804_6558826	GACAGAAAACACGCAGGTGGCAC	35808	hsa-miR-4520b-3p;Derives_from=MI0017358
NovelMiR_KnownLoci_ID0008641	17_-_66420656_66420674	ACTTGGGCACTGAAACAAT	35809	hsa-miR-635;Derives_from=MI0003650
NovelMiR_KnownLoci_ID0008642	17_-_67095706_67095730	AGACAGGCTTATGCTGCTATCCTTC	35810	hsa-miR-4524a-3p;Derives_from=MI0016891

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008643	17_-_67095706_67095732	TGAGACAGGCTTATGCTGCTATCCTTC	35811	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008644	17_-_67095707_67095732	TGAGACAGGCTTATGCTGCTATCCTT	35812	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008645	17_+_67095708_67095731	AGGATAGCAGCATAAGCCTGTCTC	35813	hsa-miR-4524b-5p;Derives_from=MI0019114
NovelMiR_KnownLoci_ID0008646	17_-_67095708_67095732	TGAGACAGGCTTATGCTGCTATCCT	35814	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008647	17_-_67095709_67095730	AGACAGGCTTATGCTGCTATCC	35815	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008648	17_-_67095709_67095732	TGAGACAGGCTTATGCTGCTATCC	35816	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008649	17_-_67095710_67095730	AGACAGGCTTATGCTGCTATC	35817	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008650	17_-_67095710_67095732	TGAGACAGGCTTATGCTGCTATC	35818	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008651	17_-_67095711_67095730	AGACAGGCTTATGCTGCTAT	35819	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008652	17_-_67095711_67095731	GAGACAGGCTTATGCTGCTAT	35820	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008653	17_+_67095711_67095732	ATAGCAGCATAAGCCTGTCTCA	35821	hsa-miR-4524b-5p;Derives_from=MI0019114
NovelMiR_KnownLoci_ID0008654	17_-_67095712_67095730	AGACAGGCTTATGCTGCTA	35822	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008655	17_-_67095712_67095732	TGAGACAGGCTTATGCTGCTA	35823	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008656	17_-_67095713_67095732	TGAGACAGGCTTATGCTGCT	35824	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008657	17_+_67095713_67095732	AGCAGCATAAGCCTGTCTCA	35825	hsa-miR-4524b-5p;Derives_from=MI0019114
NovelMiR_KnownLoci_ID0008658	17_-_67095714_67095732	TGAGACAGGCTTATGCTGC	35826	hsa-miR-4524a-3p;Derives_from=MI0016891

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008659	17_-_67095715_67095732	TGAGACAGGCTTATGCTG	35827	hsa-miR-4524a-3p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008660	17_-_67095744_67095766	AGCAGCATGAACCTGTCTCACTG	35828	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008661	17_-_67095745_67095764	CAGCATGAACCTGTCTCACT	35829	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008662	17_-_67095745_67095766	AGCAGCATGAACCTGTCTCACT	35830	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008663	17_-_67095746_67095766	AGCAGCATGAACCTGTCTCAC	35831	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008664	17_-_67095746_67095768	ATAGCAGCATGAACCTGTCTCAC	35832	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008665	17_-_67095747_67095766	AGCAGCATGAACCTGTCTCA	35833	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008666	17_-_67095748_67095772	AACGATAGCAGCATGAACCTGTCTC	35834	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008667	17_+_67095749_67095770	AGACAGGTTCATGCTGCTATCG	35835	hsa-miR-4524b-3p;Derives_from=MI0019114
NovelMiR_KnownLoci_ID0008668	17_+_67095749_67095771	AGACAGGTTCATGCTGCTATCGT	35836	hsa-miR-4524b-3p;Derives_from=MI0019114
NovelMiR_KnownLoci_ID0008669	17_-_67095750_67095766	AGCAGCATGAACCTGTC	35837	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008670	17_-_67095758_67095774	GGAACGATAGCAGCATG	35838	hsa-miR-4524a-5p;Derives_from=MI0016891
NovelMiR_KnownLoci_ID0008671	17_-_6920943_6920968	CCAATATTGGCTGTGCTGCTCCAGGC	35839	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008672	17_-_6920944_6920968	CCAATATTGGCTGTGCTGCTCCAGG	35840	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008673	17_-_6920945_6920968	CCAATATTGGCTGTGCTGCTCCAG	35841	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008674	17_-_6920946_6920968	CCAATATTGGCTGTGCTGCTCCA	35842	hsa-miR-195-3p;Derives_from=MI0000489

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008675	17_-_6920948_6920968	CCAATATTGGCTGTGCTGCTC	35843	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008676	17_-_6920949_6920968	CCAATATTGGCTGTGCTGCT	35844	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008677	17_-_6920950_6920968	CCAATATTGGCTGTGCTGC	35845	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008678	17_-_6920951_6920968	CCAATATTGGCTGTGCTG	35846	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008679	17_-_6920952_6920968	CCAATATTGGCTGTGCT	35847	hsa-miR-195-3p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008680	17_-_6920983_6921003	CAGCACAGAAATATTGGCACA	35848	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008681	17_-_6920983_6921006	TAGCAGCACAGAAATATTGGCACA	35849	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008682	17_-_6920984_6921003	CAGCACAGAAATATTGGCAC	35850	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008683	17_-_6920984_6921006	TAGCAGCACAGAAATATTGGCAC	35851	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008684	17_-_6920985_6921003	CAGCACAGAAATATTGGCA	35852	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008685	17_-_6920985_6921005	AGCAGCACAGAAATATTGGCA	35853	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008686	17_-_6920985_6921006	TAGCAGCACAGAAATATTGGCA	35854	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008687	17_-_6920986_6921003	CAGCACAGAAATATTGGC	35855	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008688	17_-_6920986_6921004	GCAGCACAGAAATATTGGC	35856	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008689	17_-_6920987_6921006	TAGCAGCACAGAAATATTGG	35857	hsa-miR-195-5p;Derives_from=MI0000489
NovelMiR_KnownLoci_ID0008690	17_-_6921255_6921278	CAAACCACACTGTGGTGTTAGAGC	35858	hsa-miR-497-3p;Derives_from=MI0003138

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008691	17_-_6921255_6921279	CCAAACCACACTGTGGTGTTAGAGC	35859	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008692	17_-_6921255_6921280	TCCAAACCACACTGTGGTGTTAGAGC	35860	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008693	17_-_6921256_6921278	CAAACCACACTGTGGTGTTAGAG	35861	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008694	17_-_6921257_6921279	CCAAACCACACTGTGGTGTTAGA	35862	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008695	17_-_6921258_6921277	AAACCACACTGTGGTGTTAG	35863	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008696	17_-_6921258_6921278	CAAACCACACTGTGGTGTTAG	35864	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008697	17_-_6921258_6921279	CCAAACCACACTGTGGTGTTAG	35865	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008698	17_-_6921258_6921280	TCCAAACCACACTGTGGTGTTAG	35866	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008699	17_-_6921259_6921278	CAAACCACACTGTGGTGTTA	35867	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008700	17_-_6921259_6921279	CCAAACCACACTGTGGTGTTA	35868	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008701	17_-_6921259_6921280	TCCAAACCACACTGTGGTGTTA	35869	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008702	17_-_6921260_6921278	CAAACCACACTGTGGTGTT	35870	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008703	17_-_6921261_6921280	TCCAAACCACACTGTGGTGT	35871	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008704	17_-_6921262_6921278	CAAACCACACTGTGGTG	35872	hsa-miR-497-3p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008705	17_-_6921296_6921317	AGCAGCACACTGTGGTTTGTAC	35873	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008706	17_-_6921296_6921318	CAGCAGCACACTGTGGTTTGTAC	35874	hsa-miR-497-5p;Derives_from=MI0003138

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008707	17_-_6921297_6921317	AGCAGCACACTGTGGTTTGTA	35875	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008708	17_-_6921297_6921318	CAGCAGCACACTGTGGTTTGTA	35876	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008709	17_-_6921298_6921317	AGCAGCACACTGTGGTTTGT	35877	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008710	17_-_6921299_6921318	CAGCAGCACACTGTGGTTTG	35878	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008711	17_-_6921300_6921318	CAGCAGCACACTGTGGTTT	35879	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008712	17_-_6921301_6921318	CAGCAGCACACTGTGGTT	35880	hsa-miR-497-5p;Derives_from=MI0003138
NovelMiR_KnownLoci_ID0008713	17_-_7126623_7126646	ACTGCCCCAGGTGCTGCTGGGGGT	35881	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008714	17_-_7126623_7126648	CCACTGCCCCAGGTGCTGCTGGGGGT	35882	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008715	17_-_7126624_7126646	ACTGCCCCAGGTGCTGCTGGGGG	35883	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008716	17_-_7126624_7126648	CCACTGCCCCAGGTGCTGCTGGGGG	35884	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008717	17_-_7126625_7126646	ACTGCCCCAGGTGCTGCTGGGG	35885	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008718	17_-_7126625_7126648	CCACTGCCCCAGGTGCTGCTGGGG	35886	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008719	17_-_7126626_7126646	ACTGCCCCAGGTGCTGCTGGG	35887	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008720	17_-_7126626_7126648	CCACTGCCCCAGGTGCTGCTGGG	35888	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008721	17_-_7126627_7126648	CCACTGCCCCAGGTGCTGCTGG	35889	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008722	17_-_7126628_7126646	ACTGCCCCAGGTGCTGCTG	35890	hsa-miR-324-3p;Derives_from=MI0000813

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008723	17_-_7126628_7126648	CCACTGCCCCAGGTGCTGCTG	35891	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008724	17_-_7126629_7126648	CCACTGCCCCAGGTGCTGCT	35892	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008725	17_-_7126630_7126648	CCACTGCCCCAGGTGCTGC	35893	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008726	17_-_7126631_7126648	CCACTGCCCCAGGTGCTG	35894	hsa-miR-324-3p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008727	17_-_7126657_7126683	CGCATCCCCTAGGGCATTGGTGTAAAG	35895	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008728	17_-_7126659_7126683	CGCATCCCCTAGGGCATTGGTGTAA	35896	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008729	17_-_7126660_7126683	CGCATCCCCTAGGGCATTGGTGTA	35897	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008730	17_-_7126661_7126682	GCATCCCCTAGGGCATTGGTGT	35898	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008731	17_-_7126662_7126683	CGCATCCCCTAGGGCATTGGTG	35899	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008732	17_-_7126663_7126683	CGCATCCCCTAGGGCATTGGT	35900	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008733	17_-_7126664_7126683	CGCATCCCCTAGGGCATTGG	35901	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008734	17_-_7126665_7126683	CGCATCCCCTAGGGCATTG	35902	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008735	17_-_7126666_7126683	CGCATCCCCTAGGGCATT	35903	hsa-miR-324-5p;Derives_from=MI0000813
NovelMiR_KnownLoci_ID0008736	17_+_72744802_72744818	TCTCTCGGCTCCTCGCG	35904	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008737	17_+_72744802_72744819	TCTCTCGGCTCCTCGCGG	35905	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008738	17_+_72744802_72744820	TCTCTCGGCTCCTCGCGGC	35906	hsa-miR-3615;Derives_from=MI0016005

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008739	17_+_72744802_72744821	TCTCTCGGCTCCTCGCGGCT	35907	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008740	17_+_72744802_72744823	TCTCTCGGCTCCTCGCGGCTCG	35908	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008741	17_+_72744802_72744824	TCTCTCGGCTCCTCGCGGCTCGC	35909	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008742	17_+_72744802_72744825	TCTCTCGGCTCCTCGCGGCTCGCG	35910	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008743	17_+_72744802_72744826	TCTCTCGGCTCCTCGCGGCTCGCGG	35911	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008744	17_+_72744803_72744823	CTCTCGGCTCCTCGCGGCTCG	35912	hsa-miR-3615;Derives_from=MI0016005
NovelMiR_KnownLoci_ID0008745	17_+_73402152_73402169	ATCCGGTCCGTACAAACT	35913	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008746	17_+_73402152_73402172	ATCCGGTCCGTACAAACTCTG	35914	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008747	17_+_73402153_73402174	TCCGGTCCGTACAAACTCTGCT	35915	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008748	17_+_73402153_73402175	TCCGGTCCGTACAAACTCTGCTG	35916	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008749	17_+_73402153_73402179	TCCGGTCCGTACAAACTCTGCTGTGTT	35917	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008750	17_+_73402158_73402178	TCCGTACAAACTCTGCTGTGT	35918	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008751	17_+_73402158_73402179	TCCGTACAAACTCTGCTGTGTT	35919	hsa-miR-3678-5p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008752	17_+_73402218_73402235	CTGCAGAGTTTGTACGGA	35920	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008753	17_+_73402218_73402238	CTGCAGAGTTTGTACGGACCG	35921	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008754	17_+_73402218_73402240	CTGCAGAGTTTGTACGGACCGGA	35922	hsa-miR-3678-3p;Derives_from=MI0016079

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008755	17_+_73402218_73402242	CTGCAGAGTTTGTACGGACCGGAT T	35923	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008756	17_+_73402219_73402238	TGCAGAGTTTGTACGGACCG	35924	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008757	17_+_73402219_73402240	TGCAGAGTTTGTACGGACCGGA	35925	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008758	17_+_73402219_73402241	TGCAGAGTTTGTACGGACCGGAT	35926	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008759	17_+_73402219_73402243	TGCAGAGTTTGTACGGACCGGATT C	35927	hsa-miR-3678-3p;Derives_from=MI0016079
NovelMiR_KnownLoci_ID0008760	17_+_73494632_73494651	CCTGGGAGGGCGTGGATGAT	35928	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008761	17_+_73494632_73494654	CCTGGGAGGGCGTGGATGATGGT	35929	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008762	17_+_73494632_73494656	CCTGGGAGGGCGTGGATGATGGTG G	35930	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008763	17_+_73494633_73494650	CTGGGAGGGCGTGGATGA	35931	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008764	17_+_73494633_73494652	CTGGGAGGGCGTGGATGATG	35932	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008765	17_+_73494633_73494654	CTGGGAGGGCGTGGATGATGGT	35933	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008766	17_+_73494633_73494655	CTGGGAGGGCGTGGATGATGGTG	35934	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008767	17_+_73494633_73494656	CTGGGAGGGCGTGGATGATGGTGG	35935	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008768	17_+_73494634_73494652	TGGGAGGGCGTGGATGATG	35936	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008769	17_+_73494634_73494653	TGGGAGGGCGTGGATGATGG	35937	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008770	17_+_73494634_73494654	TGGGAGGGCGTGGATGATGGT	35938	hsa-miR-6785-5p;Derives_from=MI0022630

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008771	17_+_73494634_73494656	TGGGAGGGCGTGGATGATGGTGG	35939	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008772	17_+_73494634_73494658	TGGGAGGGCGTGGATGATGGTGGGA	35940	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008773	17_+_73494634_73494659	TGGGAGGGCGTGGATGATGGTGGGAG	35941	hsa-miR-6785-5p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008774	17_+_73494688_73494704	CACATCGCCCCACCTTC	35942	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008775	17_+_73494688_73494708	CACATCGCCCCACCTTCCCCA	35943	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008776	17_+_73494688_73494709	CACATCGCCCCACCTTCCCCAG	35944	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008777	17_+_73494688_73494710	CACATCGCCCCACCTTCCCCAGT	35945	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008778	17_+_73494688_73494711	CACATCGCCCCACCTTCCCCAGTC	35946	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008779	17_+_73494689_73494708	ACATCGCCCCACCTTCCCCA	35947	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008780	17_+_73494689_73494710	ACATCGCCCCACCTTCCCCAGT	35948	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008781	17_+_73494689_73494712	ACATCGCCCCACCTTCCCCAGTCT	35949	hsa-miR-6785-3p;Derives_from=MI0022630
NovelMiR_KnownLoci_ID0008782	17_-_73780605_73780620	GCCTGGAGGAGAAGGG	35950	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008783	17_-_73780605_73780621	CGCCTGGAGGAGAAGGG	35951	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008784	17_-_73780605_73780622	GCGCCTGGAGGAGAAGGG	35952	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008785	17_-_73780608_73780631	GAAACTGGAGCGCCTGGAGGAGAA	35953	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008786	17_-_73780609_73780629	AACTGGAGCGCCTGGAGGAGA	35954	hsa-miR-4738-3p;Derives_from=MI0017376

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008787	17_-_73780609_73780630	AAACTGGAGCGCCTGGAGGAGA	35955	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008788	17_-_73780609_73780631	GAAACTGGAGCGCCTGGAGGAGA	35956	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008789	17_-_73780609_73780632	TGAAACTGGAGCGCCTGGAGGAGA	35957	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008790	17_-_73780610_73780628	ACTGGAGCGCCTGGAGGAG	35958	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008791	17_-_73780610_73780630	AAACTGGAGCGCCTGGAGGAG	35959	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008792	17_-_73780610_73780631	GAAACTGGAGCGCCTGGAGGAG	35960	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008793	17_-_73780610_73780632	TGAAACTGGAGCGCCTGGAGGAG	35961	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008794	17_-_73780610_73780633	ATGAAACTGGAGCGCCTGGAGGAG	35962	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008795	17_-_73780611_73780630	AAACTGGAGCGCCTGGAGGA	35963	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008796	17_-_73780611_73780631	GAAACTGGAGCGCCTGGAGGA	35964	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008797	17_-_73780612_73780630	AAACTGGAGCGCCTGGAGG	35965	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008798	17_-_73780612_73780631	GAAACTGGAGCGCCTGGAGG	35966	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008799	17_-_73780612_73780632	TGAAACTGGAGCGCCTGGAGG	35967	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008800	17_-_73780612_73780633	ATGAAACTGGAGCGCCTGGAGG	35968	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008801	17_-_73780613_73780632	TGAAACTGGAGCGCCTGGAG	35969	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008802	17_-_73780613_73780633	ATGAAACTGGAGCGCCTGGAG	35970	hsa-miR-4738-3p;Derives_from=MI0017376

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008803	17_-_73780613_73780634	CATGAAACTGGAGCGCCTGGAG	35971	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008804	17_-_73780616_73780638	TTTCCATGAAACTGGAGCGCCTG	35972	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008805	17_-_73780618_73780638	TTTCCATGAAACTGGAGCGCC	35973	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008806	17_-_73780620_73780638	TTTCCATGAAACTGGAGCG	35974	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008807	17_-_73780621_73780638	TTTCCATGAAACTGGAGC	35975	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008808	17_-_73780622_73780638	TTTCCATGAAACTGGAG	35976	hsa-miR-4738-3p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008809	17_-_73780642_73780657	TCAGTTTCATAGGGAA	35977	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008810	17_-_73780642_73780658	TTCAGTTTCATAGGGAA	35978	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008811	17_-_73780642_73780659	TTTCAGTTTCATAGGGAA	35979	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008812	17_-_73780645_73780665	GCGCGTTTTCAGTTTCATAGG	35980	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008813	17_-_73780645_73780669	ACCAGCGCGTTTTCAGTTTCATAG G	35981	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008814	17_-_73780647_73780669	ACCAGCGCGTTTTCAGTTTCATA	35982	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008815	17_-_73780649_73780669	ACCAGCGCGTTTTCAGTTTCA	35983	hsa-miR-4738-5p;Derives_from=MI0017376
NovelMiR_KnownLoci_ID0008816	17_-_74094096_74094120	TTCCTTCTGTTGTCTGTGCAGAAA C	35984	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008817	17_-_74094097_74094120	TTCCTTCTGTTGTCTGTGCAGAAA	35985	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008818	17_-_74094098_74094120	TTCCTTCTGTTGTCTGTGCAGAA	35986	hsa-miR-6868-3p;Derives_from=MI0022715

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008819	17_-_74094099_74094119	TCCTTCTGTTGTCTGTGCAGA	35987	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008820	17_-_74094099_74094120	TTCCTTCTGTTGTCTGTGCAGA	35988	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008821	17_-_74094099_74094121	CTTCCTTCTGTTGTCTGTGCAGA	35989	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008822	17_-_74094100_74094121	CTTCCTTCTGTTGTCTGTGCAG	35990	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008823	17_-_74094101_74094120	TTCCTTCTGTTGTCTGTGCA	35991	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008824	17_-_74094101_74094121	CTTCCTTCTGTTGTCTGTGCA	35992	hsa-miR-6868-3p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008825	17_-_74094125_74094144	AACACTGAAGCAGCAGGCAC	35993	hsa-miR-6868-5p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008826	17_-_74094125_74094145	GAACACTGAAGCAGCAGGCAC	35994	hsa-miR-6868-5p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008827	17_-_74094125_74094147	CAGAACACTGAAGCAGCAGGCAC	35995	hsa-miR-6868-5p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008828	17_-_74094127_74094147	CAGAACACTGAAGCAGCAGGC	35996	hsa-miR-6868-5p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008829	17_-_74094130_74094149	GGCAGAACACTGAAGCAGCA	35997	hsa-miR-6868-5p;Derives_from=MI0022715
NovelMiR_KnownLoci_ID0008830	17_-_74732543_74732568	TGCTTGCTCGTCCCGCCCGCAGCCCT	35998	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008831	17_-_74732545_74732567	GCTTGCTCGTCCCGCCCGCAGCC	35999	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008832	17_-_74732546_74732570	TGTGCTTGCTCGTCCCGCCCGCAGC	36000	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008833	17_-_74732546_74732571	CTGTGCTTGCTCGTCCCGCCCGCAGC	36001	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008834	17_-_74732547_74732566	CTTGCTCGTCCCGCCCGCAG	36002	hsa-miR-636;Derives_from=MI0003651

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008835	17_-_74732547_74732570	TGTGCTTGCTCGTCCCGCCCGCAG	36003	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008836	17_-_74732547_74732571	CTGTGCTTGCTCGTCCCGCCCGCAG	36004	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008837	17_-_74732548_74732571	CTGTGCTTGCTCGTCCCGCCCGCA	36005	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008838	17_-_74732549_74732569	GTGCTTGCTCGTCCCGCCCGC	36006	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008839	17_-_74732549_74732570	TGTGCTTGCTCGTCCCGCCCGC	36007	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008840	17_-_74732549_74732571	CTGTGCTTGCTCGTCCCGCCCGC	36008	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008841	17_-_74732550_74732570	TGTGCTTGCTCGTCCCGCCCG	36009	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008842	17_-_74732551_74732570	TGTGCTTGCTCGTCCCGCCC	36010	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008843	17_-_74732552_74732570	TGTGCTTGCTCGTCCCGCC	36011	hsa-miR-636;Derives_from=MI0003651
NovelMiR_KnownLoci_ID0008844	17_+_75085504_75085527	TTTGAATTTGCAGTAACAGGTGTG	36012	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008845	17_+_75085509_75085529	ATTTGCAGTAACAGGTGTGAG	36013	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008846	17_+_75085509_75085530	ATTTGCAGTAACAGGTGTGAGC	36014	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008847	17_+_75085509_75085531	ATTTGCAGTAACAGGTGTGAGCA	36015	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008848	17_+_75085509_75085533	ATTTGCAGTAACAGGTGTGAGCATT	36016	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008849	17_+_75085509_75085535	ATTTGCAGTAACAGGTGTGAGCATTCT	36017	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008850	17_+_75085510_75085529	TTTGCAGTAACAGGTGTGAG	36018	hsa-miR-6516-5p;Derives_from=MI0025513

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008851	17_+_75085510_75085530	TTTGCAGTAACAGGTGTGAGC	36019	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008852	17_+_75085510_75085532	TTTGCAGTAACAGGTGTGAGCAT	36020	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008853	17_+_75085510_75085533	TTTGCAGTAACAGGTGTGAGCATT	36021	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008854	17_+_75085510_75085534	TTTGCAGTAACAGGTGTGAGCATTC	36022	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008855	17_+_75085510_75085535	TTTGCAGTAACAGGTGTGAGCATTCT	36023	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008856	17_+_75085510_75085536	TTTGCAGTAACAGGTGTGAGCATTCTA	36024	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008857	17_+_75085511_75085530	TTGCAGTAACAGGTGTGAGC	36025	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008858	17_+_75085511_75085532	TTGCAGTAACAGGTGTGAGCAT	36026	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008859	17_+_75085511_75085533	TTGCAGTAACAGGTGTGAGCATT	36027	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008860	17_+_75085511_75085534	TTGCAGTAACAGGTGTGAGCATTC	36028	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008861	17_+_75085512_75085532	TGCAGTAACAGGTGTGAGCAT	36029	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008862	17_+_75085515_75085535	AGTAACAGGTGTGAGCATTCT	36030	hsa-miR-6516-5p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008863	17_+_75085545_75085563	TTGATGATCATGTATGATA	36031	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008864	17_+_75085545_75085564	TTGATGATCATGTATGATAC	36032	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008865	17_+_75085545_75085565	TTGATGATCATGTATGATACT	36033	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008866	17_+_75085545_75085566	TTGATGATCATGTATGATACTG	36034	hsa-miR-6516-3p;Derives_from=MI0025513

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008867	17_+_75085545_75085568	TTGATGATCATGTATGATACTGCA	36035	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008868	17_+_75085548_75085566	ATGATCATGTATGATACTG	36036	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008869	17_+_75085548_75085575	ATGATCATGTATGATACTGCAAACAGGA	36037	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008870	17_+_75085549_75085568	TGATCATGTATGATACTGCA	36038	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008871	17_+_75085549_75085569	TGATCATGTATGATACTGCAA	36039	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008872	17_+_75085549_75085571	TGATCATGTATGATACTGCAAAC	36040	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008873	17_+_75085549_75085572	TGATCATGTATGATACTGCAAACA	36041	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008874	17_+_75085549_75085575	TGATCATGTATGATACTGCAAACAGGA	36042	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008875	17_+_75085550_75085575	GATCATGTATGATACTGCAAACAGGA	36043	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008876	17_+_75085551_75085569	ATCATGTATGATACTGCAA	36044	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008877	17_+_75085551_75085571	ATCATGTATGATACTGCAAAC	36045	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008878	17_+_75085551_75085573	ATCATGTATGATACTGCAAACAG	36046	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008879	17_+_75085551_75085574	ATCATGTATGATACTGCAAACAGG	36047	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008880	17_+_75085551_75085575	ATCATGTATGATACTGCAAACAGGA	36048	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008881	17_+_75085552_75085573	TCATGTATGATACTGCAAACAG	36049	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008882	17_+_75085552_75085575	TCATGTATGATACTGCAAACAGGA	36050	hsa-miR-6516-3p;Derives_from=MI0025513

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008883	17_+_75085552_75085577	TCATGTATGATACTGCAAACAGGACC	36051	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008884	17_+_75085553_75085568	CATGTATGATACTGCA	36052	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008885	17_+_75085553_75085573	CATGTATGATACTGCAAACAG	36053	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008886	17_+_75085553_75085575	CATGTATGATACTGCAAACAGGA	36054	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008887	17_+_75085553_75085577	CATGTATGATACTGCAAACAGGACC	36055	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008888	17_+_75085554_75085573	ATGTATGATACTGCAAACAG	36056	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008889	17_+_75085554_75085575	ATGTATGATACTGCAAACAGGA	36057	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008890	17_+_75085554_75085577	ATGTATGATACTGCAAACAGGACC	36058	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008891	17_+_75085555_75085577	TGTATGATACTGCAAACAGGACC	36059	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008892	17_+_75085556_75085575	GTATGATACTGCAAACAGGA	36060	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008893	17_+_75085557_75085575	TATGATACTGCAAACAGGA	36061	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008894	17_+_75085558_75085575	ATGATACTGCAAACAGGA	36062	hsa-miR-6516-3p;Derives_from=MI0025513
NovelMiR_KnownLoci_ID0008895	1_+_77525828_77525843	TTGTTCTCAAACTGGC	36063	hsa-miR-7156-5p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008896	1_+_77525828_77525844	TTGTTCTCAAACTGGCT	36064	hsa-miR-7156-5p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008897	1_+_77525828_77525848	TTGTTCTCAAACTGGCTGTCA	36065	hsa-miR-7156-5p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008898	1_+_77525829_77525849	TGTTCTCAAACTGGCTGTCAG	36066	hsa-miR-7156-5p;Derives_from=MI0023616

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008899	1_+_77525866_77525887	TGCAGCCACTTGGGGAACTGGT	36067	hsa-miR-7156-3p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008900	1_+_77525866_77525888	TGCAGCCACTTGGGGAACTGGTT	36068	hsa-miR-7156-3p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008901	1_+_77525869_77525889	AGCCACTTGGGGAACTGGTTC	36069	hsa-miR-7156-3p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008902	1_+_77525876_77525893	TGGGGAACTGGTTCTGTG	36070	hsa-miR-7156-3p;Derives_from=MI0023616
NovelMiR_KnownLoci_ID0008903	17_-_75393104_75393124	TGAGGCTAGCTGGTGTGGTCA	36071	hsa-miR-4316;Derives_from=MI0015845
NovelMiR_KnownLoci_ID0008904	17_-_75393110_75393131	CCCAGGGTGAGGCTAGCTGGTG	36072	hsa-miR-4316;Derives_from=MI0015845
NovelMiR_KnownLoci_ID0008905	17_-_77681025_77681048	AGGGAGGAGGAGCGGAGGGGCCCT	36073	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008906	17_-_77681026_77681049	AAGGGAGGAGGAGCGGAGGGGCCC	36074	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008907	17_-_77681027_77681049	AAGGGAGGAGGAGCGGAGGGGCC	36075	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008908	17_-_77681028_77681049	AAGGGAGGAGGAGCGGAGGGGC	36076	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008909	17_-_77681029_77681049	AAGGGAGGAGGAGCGGAGGGG	36077	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008910	17_-_77681030_77681049	AAGGGAGGAGGAGCGGAGGG	36078	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008911	17_-_77681031_77681049	AAGGGAGGAGGAGCGGAGG	36079	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008912	17_-_77681032_77681049	AAGGGAGGAGGAGCGGAG	36080	hsa-miR-4739;Derives_from=MI0017377
NovelMiR_KnownLoci_ID0008913	17_+_78072628_78072649	CCCGGGCGTGGTGGTGGGGGTG	36081	hsa-miR-1268b;Derives_from=MI0016748

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008914	17_+_78072629_78072650	CCGGGCGTGGTGGTGGGGGTGG	36082	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008915	17_+_78072629_78072655	CCGGGCGTGGTGGTGGGGGTGGGTGCC	36083	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008916	17_+_78072630_78072650	CGGGCGTGGTGGTGGGGGTGG	36084	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008917	17_+_78072630_78072651	CGGGCGTGGTGGTGGGGGTGGG	36085	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008918	17_+_78072630_78072652	CGGGCGTGGTGGTGGGGGTGGGT	36086	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008919	17_+_78072630_78072653	CGGGCGTGGTGGTGGGGGTGGGTG	36087	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008920	17_+_78072630_78072655	CGGGCGTGGTGGTGGGGGTGGGTGCC	36088	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008921	17_+_78072631_78072650	GGGCGTGGTGGTGGGGGTGG	36089	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008922	17_+_78072631_78072655	GGGCGTGGTGGTGGGGGTGGGTGCC	36090	hsa-miR-1268b;Derives_from=MI0016748
NovelMiR_KnownLoci_ID0008923	17_+_78393227_78393243	CTGGCGGAGCCCATTCC	36091	hsa-miR-4730;Derives_from=MI0017367
NovelMiR_KnownLoci_ID0008924	17_+_78393227_78393245	CTGGCGGAGCCCATTCCAT	36092	hsa-miR-4730;Derives_from=MI0017367

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008925	17_+_78393227_78393246	CTGGCGGAGCCCATTCCATG	36093	hsa-miR-4730;Derives_from=MI0017367
NovelMiR_KnownLoci_ID0008926	17_+_78393227_78393247	CTGGCGGAGCCCATTCCATGC	36094	hsa-miR-4730;Derives_from=MI0017367
NovelMiR_KnownLoci_ID0008927	17_+_78393227_78393248	CTGGCGGAGCCCATTCCATGCC	36095	hsa-miR-4730;Derives_from=MI0017367
NovelMiR_KnownLoci_ID0008928	17_+_78393228_78393250	TGGCGGAGCCCATTCCATGCCAG	36096	hsa-miR-4730;Derives_from=MI0017367
NovelMiR_KnownLoci_ID0008929	17_+_78393229_78393248	GGCGGAGCCCATTCCATGCC	36097	hsa-miR-4730;Derives_from=MI0017367
NovelMiR_KnownLoci_ID0008930	17_-_79099089_79099112	GCAGGTTCTCACCCTCTCTAGGCC	36098	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008931	17_-_79099090_79099112	GCAGGTTCTCACCCTCTCTAGGC	36099	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008932	17_-_79099091_79099112	GCAGGTTCTCACCCTCTCTAGG	36100	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008933	17_-_79099092_79099112	GCAGGTTCTCACCCTCTCTAG	36101	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008934	17_-_79099092_79099113	GGCAGGTTCTCACCCTCTCTAG	36102	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008935	17_-_79099093_79099112	GCAGGTTCTCACCCTCTCTA	36103	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008936	17_-_79099094_79099112	GCAGGTTCTCACCCTCTCT	36104	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008937	17_-_79099094_79099113	GGCAGGTTCTCACCCTCTCT	36105	hsa-miR-657;Derives_from=MI0003681
NovelMiR_KnownLoci_ID0008938	17_-_79099684_79099708	TCCAGCATCAGTGATTTTGTTGAAG	36106	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008939	17_-_79099685_79099708	TCCAGCATCAGTGATTTTGTTGAA	36107	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008940	17_+_79099686_79099703	TCAACAAAATCACTGATG	36108	hsa-miR-3065-5p;Derives_from=MI0014228

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008941	17_+_79099686_79099704	TCAACAAAATCACTGATGC	36109	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008942	17_+_79099686_79099705	TCAACAAAATCACTGATGCT	36110	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008943	17_+_79099686_79099706	TCAACAAAATCACTGATGCTG	36111	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008944	17_-_79099686_79099707	CCAGCATCAGTGATTTTGTTGA	36112	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008945	17_+_79099686_79099707	TCAACAAAATCACTGATGCTGG	36113	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008946	17_-_79099686_79099708	TCCAGCATCAGTGATTTTGTTGA	36114	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008947	17_+_79099686_79099709	TCAACAAAATCACTGATGCTGGAG	36115	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008948	17_+_79099686_79099710	TCAACAAAATCACTGATGCTGGAGT	36116	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008949	17_+_79099686_79099711	TCAACAAAATCACTGATGCTGGAGTC	36117	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008950	17_+_79099687_79099710	CAACAAAATCACTGATGCTGGAGT	36118	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008951	17_-_79099688_79099708	TCCAGCATCAGTGATTTTGTT	36119	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008952	17_+_79099688_79099711	AACAAAATCACTGATGCTGGAGTC	36120	hsa-miR-3065-5p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008953	17_-_79099689_79099708	TCCAGCATCAGTGATTTTGT	36121	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008954	17_-_79099691_79099708	TCCAGCATCAGTGATTTT	36122	hsa-miR-338-3p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008955	17_-_79099720_79099744	AACAATATCCTGGTGCTGAGTGATG	36123	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008956	17_-_79099722_79099744	AACAATATCCTGGTGCTGAGTGA	36124	hsa-miR-338-5p;Derives_from=MI0000814

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008957	17_-_79099723_79099743	ACAATATCCTGGTGCTGAGTG	36125	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008958	17_-_79099724_79099744	AACAATATCCTGGTGCTGAGT	36126	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008959	17_-_79099724_79099746	CCAACAATATCCTGGTGCTGAGT	36127	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008960	17_-_79099725_79099744	AACAATATCCTGGTGCTGAG	36128	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008961	17_+_79099726_79099743	TCAGCACCAGGATATTGT	36129	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008962	17_-_79099726_79099744	AACAATATCCTGGTGCTGA	36130	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008963	17_+_79099726_79099744	TCAGCACCAGGATATTGTT	36131	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008964	17_+_79099726_79099745	TCAGCACCAGGATATTGTTG	36132	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008965	17_-_79099726_79099746	CCAACAATATCCTGGTGCTGA	36133	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008966	17_+_79099726_79099746	TCAGCACCAGGATATTGTTGG	36134	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008967	17_+_79099726_79099747	TCAGCACCAGGATATTGTTGGA	36135	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008968	17_+_79099726_79099749	TCAGCACCAGGATATTGTTGGAGA	36136	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008969	17_+_79099726_79099750	TCAGCACCAGGATATTGTTGGAGAG	36137	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008970	17_-_79099727_79099744	AACAATATCCTGGTGCTG	36138	hsa-miR-338-5p;Derives_from=MI0000814
NovelMiR_KnownLoci_ID0008971	17_+_79099727_79099748	CAGCACCAGGATATTGTTGGAG	36139	hsa-miR-3065-3p;Derives_from=MI0014228
NovelMiR_KnownLoci_ID0008972	17_+_79099728_79099749	AGCACCAGGATATTGTTGGAGA	36140	hsa-miR-3065-3p;Derives_from=MI0014228

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008973	17_-_79107026_79107051	AGGCCACATTTTCCAGCCCATTCAAC	36141	hsa-miR-1250-3p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008974	17_-_79107028_79107051	AGGCCACATTTTCCAGCCCATTCA	36142	hsa-miR-1250-3p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008975	17_-_79107029_79107051	AGGCCACATTTTCCAGCCCATTC	36143	hsa-miR-1250-3p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008976	17_-_79107030_79107051	AGGCCACATTTTCCAGCCCATT	36144	hsa-miR-1250-3p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008977	17_-_79107031_79107051	AGGCCACATTTTCCAGCCCAT	36145	hsa-miR-1250-3p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008978	17_-_79107062_79107085	ACGGTGCTGGATGTGGCCTTTTTG	36146	hsa-miR-1250-5p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008979	17_-_79107063_79107085	ACGGTGCTGGATGTGGCCTTTTT	36147	hsa-miR-1250-5p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008980	17_-_79107064_79107085	ACGGTGCTGGATGTGGCCTTTT	36148	hsa-miR-1250-5p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008981	17_-_79107066_79107085	ACGGTGCTGGATGTGGCCTT	36149	hsa-miR-1250-5p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008982	17_-_79107068_79107085	ACGGTGCTGGATGTGGCC	36150	hsa-miR-1250-5p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008983	17_-_79107070_79107085	ACGGTGCTGGATGTGG	36151	hsa-miR-1250-5p;Derives_from=MI0006385
NovelMiR_KnownLoci_ID0008984	17_-_79374516_79374536	CCCGAGAGGATCCGTCCCTGC	36152	hsa-miR-4740-3p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008985	17_-_79374517_79374537	GCCCGAGAGGATCCGTCCCTG	36153	hsa-miR-4740-3p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008986	17_-_79374550_79374575	AAGGACTGATCCTCTCGGGCAGGGAG	36154	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008987	17_-_79374552_79374573	GGACTGATCCTCTCGGGCAGGG	36155	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008988	17_-_79374553_79374575	AAGGACTGATCCTCTCGGGCAGG	36156	hsa-miR-4740-5p;Derives_from=MI0017378

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0008989	17_-_79374554_79374574	AGGACTGATCCTCTCGGGCAG	36157	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008990	17_-_79374554_79374575	AAGGACTGATCCTCTCGGGCAG	36158	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008991	17_-_79374554_79374576	CAAGGACTGATCCTCTCGGGCAG	36159	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008992	17_-_79374555_79374575	AAGGACTGATCCTCTCGGGCA	36160	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008993	17_-_79374555_79374577	CCAAGGACTGATCCTCTCGGGCA	36161	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008994	17_-_79374556_79374576	CAAGGACTGATCCTCTCGGGC	36162	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008995	17_-_79374557_79374579	TGCCAAGGACTGATCCTCTCGGG	36163	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008996	17_-_79374561_79374580	CTGCCAAGGACTGATCCTCT	36164	hsa-miR-4740-5p;Derives_from=MI0017378
NovelMiR_KnownLoci_ID0008997	17_-_79418136_79418151	GATGGCTTTGGAACCA	36165	hsa-miR-3186-3p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0008998	17_-_79418140_79418162	TCACGCGGAGAGATCGCTTTCGA	36166	hsa-miR-3186-3p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0008999	17_-_79418141_79418162	TCACGCGGAGAGATGGCTTTGG	36167	hsa-miR-3186-3p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009000	17_-_79418144_79418162	TCACGCGGAGAGATGGCTT	36168	hsa-miR-3186-3p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009001	17_-_79418177_79418199	CAGGCGTCTGTCTACGTGGCTTC	36169	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009002	17_-_79418177_79418200	ACAGGCGTCTGTCTACGTGGCTTC	36170	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009003	17_-_79418179_79418199	CAGGCGTCTGTCTACGTGGCT	36171	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009004	17_-_79418179_79418200	ACAGGCGTCTGTCTACGTGGCT	36172	hsa-miR-3186-5p;Derives_from=MI0014229

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009005	17_-_79418180_79418199	CAGGCGTCTGTCTACGTGGC	36173	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009006	17_-_79418180_79418200	ACAGGCGTCTGTCTACGTGGC	36174	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009007	17_-_79418181_79418199	CAGGCGTCTGTCTACGTGG	36175	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009008	17_-_79418183_79418200	ACAGGCGTCTGTCTACGT	36176	hsa-miR-3186-5p;Derives_from=MI0014229
NovelMiR_KnownLoci_ID0009009	17_+_79660838_79660859	TGCGGTGGGGCCGGAGGGGCGT	36177	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009010	17_+_79660838_79660860	TGCGGTGGGGCCGGAGGGGCGTC	36178	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009011	17_+_79660838_79660861	TGCGGTGGGGCCGGAGGGGCGTCA	36179	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009012	17_+_79660840_79660860	CGGTGGGGCCGGAGGGGCGTC	36180	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009013	17_+_79660840_79660861	CGGTGGGGCCGGAGGGGCGTCA	36181	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009014	17_+_79660840_79660862	CGGTGGGGCCGGAGGGGCGTCAC	36182	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009015	17_+_79660841_79660861	GGTGGGGCCGGAGGGGCGTCA	36183	hsa-miR-6786-5p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009016	17_+_79660874_79660893	TGACGCCCCTTCTGATTCTG	36184	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009017	17_+_79660874_79660894	TGACGCCCCTTCTGATTCTGC	36185	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009018	17_+_79660874_79660895	TGACGCCCCTTCTGATTCTGCC	36186	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009019	17_+_79660874_79660897	TGACGCCCCTTCTGATTCTGCCTC	36187	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009020	17_+_79660874_79660898	TGACGCCCCTTCTGATTCTGCCTCA	36188	hsa-miR-6786-3p;Derives_from=MI0022631

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009021	17_+_79660875_79660896	GACGCCCCTTCTGATTCTGCCT	36189	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009022	17_+_79660876_79660891	ACGCCCCTTCTGATTC	36190	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009023	17_+_79660876_79660892	ACGCCCCTTCTGATTCT	36191	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009024	17_+_79660876_79660895	ACGCCCCTTCTGATTCTGCC	36192	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009025	17_+_79660876_79660896	ACGCCCCTTCTGATTCTGCCT	36193	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009026	17_+_79660876_79660897	ACGCCCCTTCTGATTCTGCCTC	36194	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009027	17_+_79660876_79660898	ACGCCCCTTCTGATTCTGCCTCA	36195	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009028	17_+_79660876_79660899	ACGCCCCTTCTGATTCTGCCTCAG	36196	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009029	17_+_79660876_79660900	ACGCCCCTTCTGATTCTGCCTCAGA	36197	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009030	17_+_79660877_79660899	CGCCCCTTCTGATTCTGCCTCAG	36198	hsa-miR-6786-3p;Derives_from=MI0022631
NovelMiR_KnownLoci_ID0009031	17_+_7991379_7991400	TTCCTCTCTGGGAAATGGGACA	36199	hsa-miR-4314;Derives_from=MI0015846
NovelMiR_KnownLoci_ID0009032	17_+_80194543_80194560	GTCGGCTGGCGGGGGTAG	36200	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009033	17_+_80194543_80194562	GTCGGCTGGCGGGGGTAGAG	36201	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009034	17_+_80194543_80194563	GTCGGCTGGCGGGGGTAGAGC	36202	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009035	17_+_80194548_80194569	CTGGCGGGGGTAGAGCTGGCTG	36203	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009036	17_+_80194548_80194570	CTGGCGGGGGTAGAGCTGGCTGC	36204	hsa-miR-6787-5p;Derives_from=MI0022632

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009037	17_+_80194549_80194568	TGGCGGGGGGTAGAGCTGGCT	36205	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009038	17_+_80194549_80194569	TGGCGGGGGGTAGAGCTGGCTG	36206	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009039	17_+_80194549_80194571	TGGCGGGGGGTAGAGCTGGCTGCA	36207	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009040	17_+_80194549_80194572	TGGCGGGGGGTAGAGCTGGCTGCAG	36208	hsa-miR-6787-5p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009041	17_+_80194577_80194595	GGCCCCTCTCAGCTGCTGC	36209	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009042	17_+_80194581_80194604	CCTCTCAGCTGCTGCCCTCTCCAG	36210	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009043	17_+_80194583_80194601	TCTCAGCTGCTGCCCTCTC	36211	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009044	17_+_80194583_80194602	TCTCAGCTGCTGCCCTCTCC	36212	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009045	17_+_80194583_80194603	TCTCAGCTGCTGCCCTCTCCA	36213	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009046	17_+_80194583_80194605	TCTCAGCTGCTGCCCTCTCCAGG	36214	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009047	17_+_80194583_80194606	TCTCAGCTGCTGCCCTCTCCAGGT	36215	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009048	17_+_80194583_80194607	TCTCAGCTGCTGCCCTCTCCAGGTC	36216	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009049	17_+_80194584_80194607	CTCAGCTGCTGCCCTCTCCAGGTC	36217	hsa-miR-6787-3p;Derives_from=MI0022632
NovelMiR_KnownLoci_ID0009050	17_-_8048307_8048333	TTCCCTATCTCACTCTCCTCAGAC ATC	36218	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009051	17_-_8048310_8048329	CTATCTCACTCTCCTCAGAC	36219	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009052	17_-_8048311_8048330	CCTATCTCACTCTCCTCAGA	36220	hsa-miR-6883-3p;Derives_from=MI0022730

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009053	17_-_8048311_8048333	TTCCCTATCTCACTCTCCTCAGA	36221	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009054	17_-_8048312_8048332	TCCCTATCTCACTCTCCTCAG	36222	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009055	17_-_8048312_8048334	TTTCCCTATCTCACTCTCCTCAG	36223	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009056	17_-_8048313_8048332	TCCCTATCTCACTCTCCTCA	36224	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009057	17_-_8048313_8048333	TTCCCTATCTCACTCTCCTCA	36225	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009058	17_-_8048313_8048334	TTTCCCTATCTCACTCTCCTCA	36226	hsa-miR-6883-3p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009059	17_-_8048357_8048372	GTATGGATGTGTTGAC	36227	hsa-miR-6883-5p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009060	17_-_8048357_8048377	GTGTGGTATGGATGTGTTGAC	36228	hsa-miR-6883-5p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009061	17_-_8048361_8048383	GGGAGGGTGTGGTATGGATGTGT	36229	hsa-miR-6883-5p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009062	17_-_8048363_8048383	GGGAGGGTGTGGTATGGATGT	36230	hsa-miR-6883-5p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009063	17_-_8048363_8048385	CAGGGAGGGTGTGGTATGGATGT	36231	hsa-miR-6883-5p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009064	17_-_8048364_8048384	AGGGAGGGTGTGGTATGGATG	36232	hsa-miR-6883-5p;Derives_from=MI0022730
NovelMiR_KnownLoci_ID0009065	17_-_80626154_80626175	GGGGATGTGCATGCTGGTTGGG	36233	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009066	17_-_80626154_80626176	GGGGGATGTGCATGCTGGTTGGG	36234	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009067	17_-_80626155_80626175	GGGGATGTGCATGCTGGTTGG	36235	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009068	17_-_80626155_80626176	GGGGGATGTGCATGCTGGTTGG	36236	hsa-miR-4525;Derives_from=MI0016892

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009069	17_-_80626155_80626177	GGGGGGATGTGCATGCTGGTTGG	36237	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009070	17_-_80626156_80626176	GGGGGATGTGCATGCTGGTTG	36238	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009071	17_-_80626156_80626177	GGGGGGATGTGCATGCTGGTTG	36239	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009072	17_-_80626157_80626176	GGGGGATGTGCATGCTGGTT	36240	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009073	17_-_80626158_80626176	GGGGGATGTGCATGCTGGT	36241	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009074	17_-_80626158_80626177	GGGGGGATGTGCATGCTGGT	36242	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009075	17_-_80626159_80626177	GGGGGGATGTGCATGCTGG	36243	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009076	17_-_80626160_80626176	GGGGGATGTGCATGCTG	36244	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009077	17_-_80626160_80626177	GGGGGGATGTGCATGCTG	36245	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009078	17_-_80626161_80626177	GGGGGGATGTGCATGCT	36246	hsa-miR-4525;Derives_from=MI0016892
NovelMiR_KnownLoci_ID0009079	17_+_8090260_8090275	TCGTCGGCTAAGGAAG	36247	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009080	17_+_8090260_8090277	TCGTCGGCTAAGGAAGTC	36248	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009081	17_+_8090263_8090281	TCGGCTAAGGAAGTCCTGT	36249	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009082	17_+_8090266_8090284	GCTAAGGAAGTCCTGTGCT	36250	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009083	17_+_8090266_8090288	GCTAAGGAAGTCCTGTGCTCAGT	36251	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009084	17_+_8090266_8090289	GCTAAGGAAGTCCTGTGCTCAGTT	36252	hsa-miR-4521;Derives_from=MI0016887

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009085	17_+_8090266_8090290	GCTAAGGAAGTCCTGTGCTCAGTTT	36253	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009086	17_+_8090266_8090291	GCTAAGGAAGTCCTGTGCTCAGTTTT	36254	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009087	17_+_8090266_8090292	GCTAAGGAAGTCCTGTGCTCAGTTTTG	36255	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009088	17_+_8090266_8090293	GCTAAGGAAGTCCTGTGCTCAGTTTTGT	36256	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009089	17_+_8090268_8090291	TAAGGAAGTCCTGTGCTCAGTTTT	36257	hsa-miR-4521;Derives_from=MI0016887
NovelMiR_KnownLoci_ID0009090	17_-_925763_925781	GGAGTCGCTCGGAGCAGTC	36258	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009091	17_-_925764_925787	TCTCTCGGAGTCGCTCGGAGCAGT	36259	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009092	17_-_925765_925785	TCTCGGAGTCGCTCGGAGCAG	36260	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009093	17_-_925767_925787	TCTCTCGGAGTCGCTCGGAGC	36261	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009094	17_-_925767_925790	GCCTCTCTCGGAGTCGCTCGGAGC	36262	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009095	17_-_925768_925790	GCCTCTCTCGGAGTCGCTCGGAG	36263	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009096	17_-_925769_925784	CTCGGAGTCGCTCGGA	36264	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009097	17_-_925769_925787	TCTCTCGGAGTCGCTCGGA	36265	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009098	17_-_925769_925789	CCTCTCTCGGAGTCGCTCGGA	36266	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009099	17_-_925770_925790	GCCTCTCTCGGAGTCGCTCGG	36267	hsa-miR-3183;Derives_from=MI0014225
NovelMiR_KnownLoci_ID0009100	18_-_10759577_10759603	TTCGCCACTTCCCTCCCTGCAGATTAC	36268	hsa-miR-6788-3p;Derives_from=MI0022633

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009101	18_-_10759579_10759602	TCGCCACTTCCCTCCCTGCAGATT	36269	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009102	18_-_10759579_10759603	TTCGCCACTTCCCTCCCTGCAGATT	36270	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009103	18_-_10759580_10759603	TTCGCCACTTCCCTCCCTGCAGAT	36271	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009104	18_-_10759581_10759602	TCGCCACTTCCCTCCCTGCAGA	36272	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009105	18_-_10759581_10759603	TTCGCCACTTCCCTCCCTGCAGA	36273	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009106	18_-_10759582_10759602	TCGCCACTTCCCTCCCTGCAG	36274	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009107	18_-_10759583_10759603	TTCGCCACTTCCCTCCCTGCA	36275	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009108	18_-_10759584_10759603	TTCGCCACTTCCCTCCCTGC	36276	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009109	18_-_10759585_10759603	TTCGCCACTTCCCTCCCTG	36277	hsa-miR-6788-3p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009110	18_-_10759620_10759642	CTGGGAGAAGAGTGGTGAAGAAG	36278	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009111	18_-_10759621_10759642	CTGGGAGAAGAGTGGTGAAGAA	36279	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009112	18_-_10759621_10759643	GCTGGGAGAAGAGTGGTGAAGAA	36280	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009113	18_-_10759621_10759644	GGCTGGGAGAAGAGTGGTGAAGAA	36281	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009114	18_-_10759622_10759643	GCTGGGAGAAGAGTGGTGAAGA	36282	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009115	18_-_10759622_10759644	GGCTGGGAGAAGAGTGGTGAAGA	36283	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009116	18_-_10759623_10759642	CTGGGAGAAGAGTGGTGAAG	36284	hsa-miR-6788-5p;Derives_from=MI0022633

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009117	18_-_10759623_10759644	GGCTGGGAGAAGAGTGGTGAAG	36285	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009118	18_-_10759624_10759643	GCTGGGAGAAGAGTGGTGAA	36286	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009119	18_-_10759624_10759644	GGCTGGGAGAAGAGTGGTGAA	36287	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009120	18_-_10759625_10759644	GGCTGGGAGAAGAGTGGTGA	36288	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009121	18_-_10759625_10759646	ACGGCTGGGAGAAGAGTGGTGA	36289	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009122	18_-_10759626_10759644	GGCTGGGAGAAGAGTGGTG	36290	hsa-miR-6788-5p;Derives_from=MI0022633
NovelMiR_KnownLoci_ID0009123	18_+_13459992_13460010	CCAGTGACTGAGCTGGAGC	36291	hsa-miR-5190;Derives_from=MI0018169
NovelMiR_KnownLoci_ID0009124	18_+_13459992_13460011	CCAGTGACTGAGCTGGAGCC	36292	hsa-miR-5190;Derives_from=MI0018169
NovelMiR_KnownLoci_ID0009125	18_+_13459992_13460014	CCAGTGACTGAGCTGGAGCCAGG	36293	hsa-miR-5190;Derives_from=MI0018169
NovelMiR_KnownLoci_ID0009126	18_+_13459993_13460014	CAGTGACTGAGCTGGAGCCAGG	36294	hsa-miR-5190;Derives_from=MI0018169
NovelMiR_KnownLoci_ID0009127	18_+_13459994_13460013	AGTGACTGAGCTGGAGCCAG	36295	hsa-miR-5190;Derives_from=MI0018169
NovelMiR_KnownLoci_ID0009128	18_+_13459996_13460012	TGACTGAGCTGGAGCCA	36296	hsa-miR-5190;Derives_from=MI0018169
NovelMiR_KnownLoci_ID0009129	18_+_13611166_13611184	GCTGACAGCAGGGCTGGCC	36297	hsa-miR-4526;Derives_from=MI0016893
NovelMiR_KnownLoci_ID0009130	18_+_13611166_13611185	GCTGACAGCAGGGCTGGCCG	36298	hsa-miR-4526;Derives_from=MI0016893
NovelMiR_KnownLoci_ID0009131	18_+_13611166_13611186	GCTGACAGCAGGGCTGGCCGC	36299	hsa-miR-4526;Derives_from=MI0016893
NovelMiR_KnownLoci_ID0009132	18_+_13611166_13611188	GCTGACAGCAGGGCTGGCCGCTA	36300	hsa-miR-4526;Derives_from=MI0016893

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009133	18_+_13611166_13611189	GCTGACAGCAGGGCTGGCCGCTAA	36301	hsa-miR-4526;Derives_from=MI0016893
NovelMiR_KnownLoci_ID0009134	18_+_13611166_13611190	GCTGACAGCAGGGCTGGCCGCTAAC	36302	hsa-miR-4526;Derives_from=MI0016893
NovelMiR_KnownLoci_ID0009135	18_+_13611171_13611191	CAGCAGGGCTGGCCGCTAACG	36303	hsa-miR-4526;Derives_from=MI0016893
NovelMiR_KnownLoci_ID0009136	18_+_19263519_19263541	GAAAAGCTGGGTTGAGAGGGTAG	36304	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009137	18_+_19263520_19263541	AAAAGCTGGGTTGAGAGGGTAG	36305	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009138	18_+_19263520_19263542	AAAAGCTGGGTTGAGAGGGTAGA	36306	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009139	18_+_19263520_19263543	AAAAGCTGGGTTGAGAGGGTAGAA	36307	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009140	18_+_19263520_19263544	AAAAGCTGGGTTGAGAGGGTAGAAA	36308	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009141	18_+_19263520_19263545	AAAAGCTGGGTTGAGAGGGTAGAAAA	36309	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009142	18_+_19263521_19263541	AAAGCTGGGTTGAGAGGGTAG	36310	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009143	18_+_19263521_19263542	AAAGCTGGGTTGAGAGGGTAGA	36311	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009144	18_+_19263521_19263543	AAAGCTGGGTTGAGAGGGTAGAA	36312	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009145	18_+_19263521_19263544	AAAGCTGGGTTGAGAGGGTAGAAA	36313	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009146	18_+_19263521_19263545	AAAGCTGGGTTGAGAGGGTAGAAAA	36314	hsa-miR-320c;Derives_from=MI0003778
NovelMiR_KnownLoci_ID0009147	18_-_19405667_19405693	TTGGTCCCCTTCAACCAGCTGTAGCTA	36315	hsa-miR-133a-3p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009148	18_-_19405667_19405694	TTTGGTCCCCTTCAACCAGCTGTAGCTA	36316	hsa-miR-133a-3p;Derives_from=MI0000450

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009149	18_-_19405672_19405692	TGGTCCCCTTCAACCAGCTGT	36317	hsa-miR-133a-3p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009150	18_-_19405674_19405693	TTGGTCCCCTTCAACCAGCT	36318	hsa-miR-133a-3p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009151	18_-_19405674_19405694	TTTGGTCCCCTTCAACCAGCT	36319	hsa-miR-133a-3p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009152	18_-_19405704_19405731	AGCTGGTAAAATGGAACCAAATCGCCTC	36320	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009153	18_-_19405705_19405731	AGCTGGTAAAATGGAACCAAATCGCCT	36321	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009154	18_-_19405706_19405731	AGCTGGTAAAATGGAACCAAATCGCC	36322	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009155	18_-_19405707_19405728	TGGTAAAATGGAACCAAATCGC	36323	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009156	18_-_19405707_19405730	GCTGGTAAAATGGAACCAAATCGC	36324	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009157	18_-_19405707_19405731	AGCTGGTAAAATGGAACCAAATCGC	36325	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009158	18_-_19405708_19405730	GCTGGTAAAATGGAACCAAATCG	36326	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009159	18_-_19405711_19405731	AGCTGGTAAAATGGAACCAAA	36327	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009160	18_-_19405712_19405731	AGCTGGTAAAATGGAACCAA	36328	hsa-miR-133a-5p;Derives_from=MI0000450
NovelMiR_KnownLoci_ID0009161	18_-_19408970_19408997	TGGAATGTAAAGAAGTATGTATTTTTGG	36329	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009162	18_-_19408971_19408997	TGGAATGTAAAGAAGTATGTATTTTTG	36330	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009163	18_-_19408972_19408997	TGGAATGTAAAGAAGTATGTATTTTT	36331	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009164	18_-_19408973_19408997	TGGAATGTAAAGAAGTATGTATTTT	36332	hsa-miR-1;Derives_from=MI0000437

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009165	18_-_19408974_19408995	GAATGTAAAGAAGTATGTATTT	36333	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009166	18_-_19408974_19408997	TGGAATGTAAAGAAGTATGTATTT	36334	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009167	18_-_19408975_19408995	GAATGTAAAGAAGTATGTATT	36335	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009168	18_-_19408975_19408996	GGAATGTAAAGAAGTATGTATT	36336	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009169	18_-_19408975_19408997	TGGAATGTAAAGAAGTATGTATT	36337	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009170	18_-_19408976_19408996	GGAATGTAAAGAAGTATGTAT	36338	hsa-miR-1;Derives_from=MI0000437
NovelMiR_KnownLoci_ID0009171	18_+_20513370_20513387	CGGGCTGTCCGGAGGGGT	36339	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009172	18_+_20513370_20513389	CGGGCTGTCCGGAGGGGTCG	36340	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009173	18_+_20513370_20513390	CGGGCTGTCCGGAGGGGTCGG	36341	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009174	18_+_20513370_20513391	CGGGCTGTCCGGAGGGGTCGGC	36342	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009175	18_+_20513370_20513393	CGGGCTGTCCGGAGGGGTCGGCTT	36343	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009176	18_+_20513370_20513394	CGGGCTGTCCGGAGGGGTCGGCTTT	36344	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009177	18_+_20513370_20513395	CGGGCTGTCCGGAGGGGTCGGCTTTC	36345	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009178	18_+_20513371_20513394	GGGCTGTCCGGAGGGGTCGGCTTT	36346	hsa-miR-4741;Derives_from=MI0017379
NovelMiR_KnownLoci_ID0009179	18_+_21901679_21901701	GAAAAGCTGGGTTGAGAGGGTAA	36347	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009180	18_+_21901679_21901702	GAAAAGCTGGGTTGAGAGGGTAAG	36348	hsa-miR-320c;Derives_from=MI0008191

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009181	18_+_21901680_21901701	AAAAGCTGGGTTGAGAGGGTAA	36349	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009182	18_+_21901680_21901702	AAAAGCTGGGTTGAGAGGGTAAG	36350	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009183	18_+_21901680_21901703	AAAAGCTGGGTTGAGAGGGTAAGA	36351	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009184	18_+_21901680_21901704	AAAAGCTGGGTTGAGAGGGTAAGAA	36352	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009185	18_+_21901681_21901701	AAAGCTGGGTTGAGAGGGTAA	36353	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009186	18_+_21901681_21901702	AAAGCTGGGTTGAGAGGGTAAG	36354	hsa-miR-320c;Derives_from=MI0008191
NovelMiR_KnownLoci_ID0009187	18_+_33171744_33171763	AATGAGGCTAATGCACTACT	36355	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009188	18_+_33171745_33171762	ATGAGGCTAATGCACTAC	36356	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009189	18_+_33171745_33171763	ATGAGGCTAATGCACTACT	36357	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009190	18_+_33171745_33171764	ATGAGGCTAATGCACTACTT	36358	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009191	18_+_33171745_33171765	ATGAGGCTAATGCACTACTTC	36359	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009192	18_+_33171745_33171770	ATGAGGCTAATGCACTACTTCACATG	36360	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009193	18_+_33171745_33171771	ATGAGGCTAATGCACTACTTCACATGA	36361	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009194	18_+_33171748_33171763	AGGCTAATGCACTACT	36362	hsa-miR-3975;Derives_from=MI0016993
NovelMiR_KnownLoci_ID0009195	18_-_33484795_33484818	CGTGTCTTGTGTTGCAGCCGGAGG	36363	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009196	18_-_33484795_33484819	TCGTGTCTTGTGTTGCAGCCGGAGG	36364	hsa-miR-187-3p;Derives_from=MI0000274

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009197	18_-_33484796_33484818	CGTGTCTTGTGTTGCAGCCGGAG	36365	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009198	18_-_33484796_33484819	TCGTGTCTTGTGTTGCAGCCGGAG	36366	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009199	18_-_33484797_33484818	CGTGTCTTGTGTTGCAGCCGGA	36367	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009200	18_-_33484797_33484819	TCGTGTCTTGTGTTGCAGCCGGA	36368	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009201	18_-_33484797_33484820	CTCGTGTCTTGTGTTGCAGCCGGA	36369	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009202	18_-_33484798_33484818	CGTGTCTTGTGTTGCAGCCGG	36370	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009203	18_-_33484799_33484818	CGTGTCTTGTGTTGCAGCCG	36371	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009204	18_-_33484799_33484819	TCGTGTCTTGTGTTGCAGCCG	36372	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009205	18_-_33484800_33484819	TCGTGTCTTGTGTTGCAGCC	36373	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009206	18_-_33484800_33484820	CTCGTGTCTTGTGTTGCAGCC	36374	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009207	18_-_33484801_33484819	TCGTGTCTTGTGTTGCAGC	36375	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009208	18_-_33484802_33484817	GTGTCTTGTGTTGCAG	36376	hsa-miR-187-3p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009209	18_-_33484828_33484843	GGACCCGGGCGCTGCT	36377	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009210	18_-_33484829_33484852	TACAACACAGGACCCGGGCGCTGC	36378	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009211	18_-_33484829_33484854	GCTACAACACAGGACCCGGGCGCTGC	36379	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009212	18_-_33484831_33484854	GCTACAACACAGGACCCGGGCGCT	36380	hsa-miR-187-5p;Derives_from=MI0000274

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009213	18_-_33484832_33484852	TACAACACAGGACCCGGGCGC	36381	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009214	18_-_33484832_33484853	CTACAACACAGGACCCGGGCGC	36382	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009215	18_-_33484832_33484854	GCTACAACACAGGACCCGGGCGC	36383	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009216	18_-_33484832_33484855	GGCTACAACACAGGACCCGGGCGC	36384	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009217	18_-_33484833_33484852	TACAACACAGGACCCGGGCG	36385	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009218	18_-_33484833_33484853	CTACAACACAGGACCCGGGCG	36386	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009219	18_-_33484833_33484854	GCTACAACACAGGACCCGGGCG	36387	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009220	18_-_33484833_33484855	GGCTACAACACAGGACCCGGGCG	36388	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009221	18_-_33484834_33484854	GCTACAACACAGGACCCGGGC	36389	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009222	18_-_33484834_33484856	GGGCTACAACACAGGACCCGGGC	36390	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009223	18_-_33484835_33484854	GCTACAACACAGGACCCGGG	36391	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009224	18_-_33484835_33484855	GCCTACAACACAGGACCCGGG	36392	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009225	18_-_33484836_33484855	GGCTACAACACAGGACCCGG	36393	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009226	18_-_33484837_33484854	GCTACAACACAGGACCCG	36394	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009227	18_-_33484837_33484855	GGCTACAACACAGGACCCG	36395	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009228	18_-_33484838_33484854	GCTACAACACAGGACCC	36396	hsa-miR-187-5p;Derives_from=MI0000274

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009229	18_-_33484839_33484855	GGCTACAACACAGGACC	36397	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009230	18_-_33484840_33484856	GGGCTACAACACAGGAC	36398	hsa-miR-187-5p;Derives_from=MI0000274
NovelMiR_KnownLoci_ID0009231	18_-_33514045_33514065	TGTGAGTAGACCACTTGAGCC	36399	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009232	18_-_33514046_33514065	TGTGAGTAGACCACTTGAGC	36400	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009233	18_-_33514048_33514072	AGGCTGATGTGAGTAGACCACTTGA	36401	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009234	18_-_33514048_33514073	GAGGCTGATGTGAGTAGACCACTTGA	36402	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009235	18_-_33514049_33514073	GAGGCTGATGTGAGTAGACCACTTG	36403	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009236	18_-_33514050_33514073	GAGGCTGATGTGAGTAGACCACTT	36404	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009237	18_-_33514051_33514072	AGGCTGATGTGAGTAGACCACT	36405	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009238	18_-_33514052_33514073	GAGGCTGATGTGAGTAGACCAC	36406	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009239	18_-_33514053_33514073	GAGGCTGATGTGAGTAGACCA	36407	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009240	18_-_33514054_33514073	GAGGCTGATGTGAGTAGACC	36408	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009241	18_-_33514055_33514073	GAGGCTGATGTGAGTAGAC	36409	hsa-miR-3929;Derives_from=MI0016439
NovelMiR_KnownLoci_ID0009242	18_+_35237147_35237167	ACAGTCACTGTGGGTACATGC	36410	hsa-miR-4318;Derives_from=MI0015847
NovelMiR_KnownLoci_ID0009243	18_+_35237148_35237168	CAGTCACTGTGGGTACATGCT	36411	hsa-miR-4318;Derives_from=MI0015847
NovelMiR_KnownLoci_ID0009244	18_+_35237149_35237168	AGTCACTGTGGGTACATGCT	36412	hsa-miR-4318;Derives_from=MI0015847

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009245	18_-_37202113_37202134	AGTCTTGTGATGTCTTGCTTAA	36413	hsa-miR-924;Derives_from=MI0005716
NovelMiR_KnownLoci_ID0009246	18_-_37202127_37202142	GTCAATAGAGTCTTGT	36414	hsa-miR-924;Derives_from=MI0005716
NovelMiR_KnownLoci_ID0009247	18_+_37256716_37256733	TCATCAGAATATGGGTAT	36415	hsa-miR-5583-3p;Derives_from=MI0019139
NovelMiR_KnownLoci_ID0009248	18_-_37256717_37256741	AAACTAATATACCCATATTCTGATG	36416	hsa-miR-5583-5p;Derives_from=MI0019140
NovelMiR_KnownLoci_ID0009249	18_-_37256719_37256741	AAACTAATATACCCATATTCTGA	36417	hsa-miR-5583-5p;Derives_from=MI0019140
NovelMiR_KnownLoci_ID0009250	18_+_3885363_3885384	TAGTGGTCAGAGGGCTTATGAT	36418	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009251	18_+_3885363_3885385	TAGTGGTCAGAGGGCTTATGATA	36419	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009252	18_+_3885363_3885386	TAGTGGTCAGAGGGCTTATGATAT	36420	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009253	18_+_3885364_3885383	AGTGGTCAGAGGGCTTATGA	36421	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009254	18_+_3885364_3885384	AGTGGTCAGAGGGCTTATGAT	36422	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009255	18_+_3885364_3885385	AGTGGTCAGAGGGCTTATGATA	36423	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009256	18_+_3885366_3885385	TGGTCAGAGGGCTTATGATA	36424	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009257	18_+_3885366_3885387	TGGTCAGAGGGCTTATGATATA	36425	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009258	18_+_3885368_3885389	GTCAGAGGGCTTATGATATATT	36426	hsa-miR-6718-5p;Derives_from=MI0022553
NovelMiR_KnownLoci_ID0009259	18_-_42550099_42550121	TCCCTGAGCAAAGCCACTGGGAA	36427	hsa-miR-4319;Derives_from=MI0015848
NovelMiR_KnownLoci_ID0009260	18_-_42550100_42550121	TCCCTGAGCAAAGCCACTGGGA	36428	hsa-miR-4319;Derives_from=MI0015848

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009261	18_-_42550101_42550121	TCCCTGAGCAAAGCCACTGGG	36429	hsa-miR-4319;Derives_from=MI0015848
NovelMiR_KnownLoci_ID0009262	18_-_42550102_42550121	TCCCTGAGCAAAGCCACTGG	36430	hsa-miR-4319;Derives_from=MI0015848
NovelMiR_KnownLoci_ID0009263	18_-_42550103_42550121	TCCCTGAGCAAAGCCACTG	36431	hsa-miR-4319;Derives_from=MI0015848
NovelMiR_KnownLoci_ID0009264	18_+_44906874_44906896	TGGTCTGCAAAGAGATGACTGTG	36432	hsa-miR-4527;Derives_from=MI0016894
NovelMiR_KnownLoci_ID0009265	18_+_44906874_44906897	TGGTCTGCAAAGAGATGACTGTGA	36433	hsa-miR-4527;Derives_from=MI0016894
NovelMiR_KnownLoci_ID0009266	18_+_44906882_44906901	AAAGAGATGACTGTGAATCC	36434	hsa-miR-4527;Derives_from=MI0016894
NovelMiR_KnownLoci_ID0009267	18_+_46196970_46196992	TGCTGGCCGGATGGGACAGGAGG	36435	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009268	18_+_46196970_46196993	TGCTGGCCGGATGGGACAGGAGGC	36436	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009269	18_+_46196970_46196996	TGCTGGCCGGATGGGACAGGAGGCATG	36437	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009270	18_+_46196972_46196992	CTGGCCGGATGGGACAGGAGG	36438	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009271	18_+_46196972_46196993	CTGGCCGGATGGGACAGGAGGC	36439	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009272	18_+_46196972_46196994	CTGGCCGGATGGGACAGGAGGCA	36440	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009273	18_+_46196972_46196995	CTGGCCGGATGGGACAGGAGGCAT	36441	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009274	18_+_46196972_46196996	CTGGCCGGATGGGACAGGAGGCATG	36442	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009275	18_+_46196973_46196990	TGGCCGGATGGGACAGGA	36443	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009276	18_+_46196973_46196991	TGGCCGGATGGGACAGGAG	36444	hsa-miR-4743-5p;Derives_from=MI0017381

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009277	18_+_46196973_46196992	TGGCCGGATGGGACAGGAGG	36445	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009278	18_+_46196973_46196993	TGGCCGGATGGGACAGGAGGC	36446	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009279	18_+_46196973_46196994	TGGCCGGATGGGACAGGAGGCA	36447	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009280	18_+_46196973_46196996	TGGCCGGATGGGACAGGAGGCATG	36448	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009281	18_+_46196975_46196997	GCCGGATGGGACAGGAGGCATGA	36449	hsa-miR-4743-5p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009282	18_+_46197013_46197039	AATGCCTTTCTGTCTTTTCTGGTCCAG	36450	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009283	18_+_46197015_46197036	TGCCTTTCTGTCTTTTCTGGTC	36451	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009284	18_+_46197015_46197037	TGCCTTTCTGTCTTTTCTGGTCC	36452	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009285	18_+_46197015_46197038	TGCCTTTCTGTCTTTTCTGGTCCA	36453	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009286	18_+_46197015_46197040	TGCCTTTCTGTCTTTTCTGGTCCAGG	36454	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009287	18_+_46197017_46197036	CCTTTCTGTCTTTTCTGGTC	36455	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009288	18_+_46197017_46197039	CCTTTCTGTCTTTTCTGGTCCAG	36456	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009289	18_+_46197017_46197040	CCTTTCTGTCTTTTCTGGTCCAGG	36457	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009290	18_+_46197017_46197041	CCTTTCTGTCTTTTCTGGTCCAGGT	36458	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009291	18_+_46197018_46197039	CTTTCTGTCTTTTCTGGTCCAG	36459	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009292	18_+_46197018_46197040	CTTTCTGTCTTTTCTGGTCCAGG	36460	hsa-miR-4743-3p;Derives_from=MI0017381

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009293	18_+_46197019_46197040	TTTCTGTCTTTTCTGGTCCAGG	36461	hsa-miR-4743-3p;Derives_from=MI0017381
NovelMiR_KnownLoci_ID0009294	18_-_46576106_46576127	TAAAGACTAGACTTCGCTATGA	36462	hsa-miR-4744;Derives_from=MI0017382
NovelMiR_KnownLoci_ID0009295	18_-_46576106_46576129	TCTAAAGACTAGACTTCGCTATGA	36463	hsa-miR-4744;Derives_from=MI0017382
NovelMiR_KnownLoci_ID0009296	18_-_46576110_46576128	CTAAAGACTAGACTTCGCT	36464	hsa-miR-4744;Derives_from=MI0017382
NovelMiR_KnownLoci_ID0009297	18_-_46576110_46576129	TCTAAAGACTAGACTTCGCT	36465	hsa-miR-4744;Derives_from=MI0017382
NovelMiR_KnownLoci_ID0009298	18_-_46576113_46576135	ATCACATCTAAAGACTAGACTTC	36466	hsa-miR-4744;Derives_from=MI0017382
NovelMiR_KnownLoci_ID0009299	18_-_46576120_46576135	ATCACATCTAAAGACT	36467	hsa-miR-4744;Derives_from=MI0017382
NovelMiR_KnownLoci_ID0009300	18_+_47013769_47013784	AAGTCCTGCGCGTCCC	36468	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009301	18_+_47013769_47013794	AAGTCCTGCGCGTCCCAGATGCCCAA	36469	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009302	18_+_47013770_47013794	AGTCCTGCGCGTCCCAGATGCCCAA	36470	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009303	18_+_47013772_47013795	TCCTGCGCGTCCCAGATGCCCAAC	36471	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009304	18_+_47013774_47013794	CTGCGCGTCCCAGATGCCCAA	36472	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009305	18_+_47013775_47013794	TGCGCGTCCCAGATGCCCAA	36473	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009306	18_+_47013775_47013795	TGCGCGTCCCAGATGCCCAAC	36474	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009307	18_+_47013775_47013796	TGCGCGTCCCAGATGCCCAACT	36475	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009308	18_+_47013775_47013797	TGCGCGTCCCAGATGCCCAACTA	36476	hsa-miR-1539;Derives_from=MI0007260

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009309	18_+_47013780_47013797	GTCCCAGATGCCCAACTA	36477	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009310	18_+_47013783_47013798	CCAGATGCCCAACTAA	36478	hsa-miR-1539;Derives_from=MI0007260
NovelMiR_KnownLoci_ID0009311	18_-_47652873_47652888	GTAGCTTCCTGGCAAC	36479	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009312	18_-_47652873_47652894	GATTCTGTAGCTTCCTGGCAAC	36480	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009313	18_-_47652874_47652894	GATTCTGTAGCTTCCTGGCAA	36481	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009314	18_-_47652874_47652895	GGATTCTGTAGCTTCCTGGCAA	36482	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009315	18_-_47652874_47652896	GGGATTCTGTAGCTTCCTGGCAA	36483	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009316	18_-_47652877_47652894	GATTCTGTAGCTTCCTGG	36484	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009317	18_-_47652877_47652895	GGATTCTGTAGCTTCCTGG	36485	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009318	18_-_47652878_47652896	GGGATTCTGTAGCTTCCTG	36486	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009319	18_-_47652878_47652898	TCGGGATTCTGTAGCTTCCTG	36487	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009320	18_-_47652879_47652898	TCGGGATTCTGTAGCTTCCT	36488	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009321	18_-_47652879_47652899	CTCGGGATTCTGTAGCTTCCT	36489	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009322	18_-_47652879_47652901	AACTCGGGATTCTGTAGCTTCCT	36490	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009323	18_-_47652879_47652902	TAACTCGGGATTCTGTAGCTTCCT	36491	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009324	18_-_47652880_47652896	GGGATTCTGTAGCTTCC	36492	hsa-miR-4320;Derives_from=MI0015849

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009325	18_-_47652880_47652897	CGGGATTCTGTAGCTTCC	36493	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009326	18_-_47652881_47652896	GGGATTCTGTAGCTTC	36494	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009327	18_-_47652881_47652897	CGGGATTCTGTAGCTTC	36495	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009328	18_-_47652881_47652899	CTCGGGATTCTGTAGCTTC	36496	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009329	18_-_47652882_47652897	CGGGATTCTGTAGCTT	36497	hsa-miR-4320;Derives_from=MI0015849
NovelMiR_KnownLoci_ID0009330	18_+_53146455_53146476	ACAGGCCATCAGCAGTCCAATG	36498	hsa-miR-4529-5p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009331	18_+_53146456_53146476	CAGGCCATCAGCAGTCCAATG	36499	hsa-miR-4529-5p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009332	18_+_53146456_53146477	CAGGCCATCAGCCAGTCCAATGA	36500	hsa-miR-4529-5p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009333	18_+_53146457_53146475	AGGCCATCAGCAGTCCAAT	36501	hsa-miR-4529-5p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009334	18_+_53146457_53146476	AGGCCATCAGCAGTCCAATG	36502	hsa-miR-4529-5p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009335	18_+_53146457_53146477	AGGCCATCAGCAGTCCAATGA	36503	hsa-miR-4529-5p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009336	18_+_53146498_53146519	TTCATTGGACTGCTGATGGCCC	36504	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009337	18_+_53146498_53146521	TTCATTGGACTGCTGATGGCCCGT	36505	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009338	18_+_53146499_53146519	TCATTGGACTGCTGATGGCCC	36506	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009339	18_+_53146499_53146521	TCATTGGACTGCTGATGGCCCGT	36507	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009340	18_+_53146500_53146520	CATTGGACTGCTGATGGCCCG	36508	hsa-miR-4529-3p;Derives_from=MI0016896

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009341	18_+_53146500_53146521	CATTGGACTGCTGATGGCCCGT	36509	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009342	18_+_53146500_53146522	CATTGGACTGCTGATGGCCCGTC	36510	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009343	18_+_53146500_53146523	CATTGGACTGCTGATGGCCCGTCA	36511	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009344	18_+_53146501_53146520	ATTGGACTGCTGATGGCCCG	36512	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009345	18_+_53146501_53146522	ATTGGACTGCTGATGGCCCGTC	36513	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009346	18_+_53146501_53146523	ATTGGACTGCTGATGGCCCGTCA	36514	hsa-miR-4529-3p;Derives_from=MI0016896
NovelMiR_KnownLoci_ID0009347	1_+_85599489_85599507	AGTTGCCTTTTTGTTCCCA	36515	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009348	1_+_85599489_85599508	AGTTGCCTTTTTGTTCCCAT	36516	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009349	1_+_85599489_85599509	AGTTGCCTTTTTGTTCCCATG	36517	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009350	1_+_85599489_85599511	AGTTGCCTTTTTGTTCCCATGCT	36518	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009351	1_+_85599489_85599512	AGTTGCCTTTTTGTTCCCATGCTG	36519	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009352	1_+_85599490_85599509	GTTGCCTTTTTGTTCCCATG	36520	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009353	1_+_85599490_85599510	GTTGCCTTTTTGTTCCCATGC	36521	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009354	1_+_85599490_85599511	GTTGCCTTTTTGTTCCCATGCT	36522	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009355	1_+_85599490_85599512	GTTGCCTTTTTGTTCCCATGCTG	36523	hsa-miR-4423-5p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009356	1_+_85599490_85599513	GTTGCCTTTTTGTTCCCATGCTGT	36524	hsa-miR-4423-5p;Derives_from=MI0016760

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009357	1_+_85599524_85599542	CATAGGCACCAAAAAGCAA	36525	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009358	1_+_85599524_85599543	CATAGGCACCAAAAAGCAAC	36526	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009359	1_+_85599524_85599544	CATAGGCACCAAAAAGCAACA	36527	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009360	1_+_85599524_85599545	CATAGGCACCAAAAAGCAACAA	36528	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009361	1_+_85599524_85599546	CATAGGCACCAAAAAGCAACAAC	36529	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009362	1_+_85599525_85599544	ATAGGCACCAAAAAGCAACA	36530	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009363	1_+_85599525_85599546	ATAGGCACCAAAAAGCAACAAC	36531	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009364	1_+_85599525_85599547	ATAGGCACCAAAAAGCAACAACA	36532	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009365	1_+_85599526_85599544	TAGGCACCAAAAAGCAACA	36533	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009366	1_+_85599526_85599547	TAGGCACCAAAAAGCAACAACA	36534	hsa-miR-4423-3p;Derives_from=MI0016760
NovelMiR_KnownLoci_ID0009367	18_-_56118318_56118340	AAACACCATTGTCACACTCCACA	36535	hsa-miR-3591-3p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009368	18_-_56118320_56118340	AAACACCATTGTCACACTCCA	36536	hsa-miR-3591-3p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009369	18_+_56118320_56118340	TGGAGTGTGACAATGGTGTTT	36537	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009370	18_+_56118320_56118342	TGGAGTGTGACAATGGTGTTTGT	36538	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009371	18_+_56118320_56118343	TGGAGTGTGACAATGGTGTTTGTG	36539	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009372	18_+_56118320_56118344	TGGAGTGTGACAATGGTGTTTGTGT	36540	hsa-miR-122-5p;Derives_from=MI0000442

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009373	18_+_56118320_56118345	TGGAGTGTGACAATGGTGTTTGTGTC	36541	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009374	18_+_56118320_56118346	TGGAGTGTGACAATGGTGTTTGTGTCT	36542	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009375	18_-_56118321_56118340	AAACACCATTGTCACACTCC	36543	hsa-miR-3591-3p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009376	18_+_56118321_56118340	GGAGTGTGACAATGGTGTTT	36544	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009377	18_+_56118321_56118341	GGAGTGTGACAATGGTGTTTG	36545	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009378	18_+_56118322_56118341	GAGTGTGACAATGGTGTTTG	36546	hsa-miR-122-5p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009379	18_+_56118351_56118372	TATCAAACGCCATTATCACACT	36547	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009380	18_+_56118351_56118373	TATCAAACGCCATTATCACACTA	36548	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009381	18_-_56118351_56118375	TTTAGTGTGATAATGGCGTTTGATA	36549	hsa-miR-3591-5p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009382	18_-_56118354_56118374	TTAGTGTGATAATGGCGTTTG	36550	hsa-miR-3591-5p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009383	18_-_56118354_56118375	TTTAGTGTGATAATGGCGTTTG	36551	hsa-miR-3591-5p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009384	18_+_56118355_56118372	AAACGCCATTATCACACT	36552	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009385	18_+_56118355_56118373	AAACGCCATTATCACACTA	36553	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009386	18_+_56118355_56118374	AAACGCCATTATCACACTAA	36554	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009387	18_-_56118355_56118375	TTTAGTGTGATAATGGCGTTT	36555	hsa-miR-3591-5p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009388	18_+_56118355_56118376	AAACGCCATTATCACACTAAAT	36556	hsa-miR-122-3p;Derives_from=MI0000442

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009389	18_+_56118356_56118374	AACGCCATTATCACACTAA	36557	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009390	18_+_56118356_56118375	AACGCCATTATCACACTAAA	36558	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009391	18_+_56118356_56118376	AACGCCATTATCACACTAAAT	36559	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009392	18_+_56118357_56118377	ACGCCATTATCACACTAAATA	36560	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009393	18_+_56118358_56118376	CGCCATTATCACACTAAAT	36561	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009394	18_+_56118358_56118377	CGCCATTATCACACTAAATA	36562	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009395	18_+_56118359_56118378	GCCATTATCACACTAAATAG	36563	hsa-miR-122-3p;Derives_from=MI0000442
NovelMiR_KnownLoci_ID0009396	18_-_56118365_56118381	TAGCTATTTAGTGTGAT	36564	hsa-miR-3591-5p;Derives_from=MI0017383
NovelMiR_KnownLoci_ID0009397	18_+_5840699_5840714	GATATAGAGAGCAGGA	36565	hsa-miR-3976;Derives_from=MI0016994
NovelMiR_KnownLoci_ID0009398	18_-_6374397_6374417	GAGACATTGCCAGGGAGTTTA	36566	hsa-miR-4317;Derives_from=MI0015850
NovelMiR_KnownLoci_ID0009399	18_-_6374398_6374417	GAGACATTGCCAGGGAGTTT	36567	hsa-miR-4317;Derives_from=MI0015850
NovelMiR_KnownLoci_ID0009400	18_-_6374399_6374414	ACATTGCCAGGGAGTT	36568	hsa-miR-4317;Derives_from=MI0015850
NovelMiR_KnownLoci_ID0009401	18_-_6374399_6374417	GAGACATTGCCAGCGAGTT	36569	hsa-miR-4317;Derives_from=MI0015850
NovelMiR_KnownLoci_ID0009402	18_-_6374403_6374418	CGAGACATTGCCAGGG	36570	hsa-miR-4317;Derives_from=MI0015850
NovelMiR_KnownLoci_ID0009403	18_+_64748854_64748870	GCCATGCACTCTGTAGT	36571	hsa-miR-5011-5p;Derives_from=MI0017879
NovelMiR_KnownLoci_ID0009404	1_-_86823350_86823372	GATGTTTTAAGGACACTGAGGGA	36572	hsa-miR-7856-5p;Derives_from=MI0025526

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009405	1_-_86823351_86823371	ATGTTTTAAGGACACTGAGGG	36573	hsa-miR-7856-5p;Derives_from=MI0025526
NovelMiR_KnownLoci_ID0009406	18_-_70520594_70520609	TTGCGGATTTGCCATC	36574	hsa-miR-548av-5p;Derives_from=MI0019152
NovelMiR_KnownLoci_ID0009407	18_-_70520597_70520617	AAAAGTACTTGCGGATTTGCC	36575	hsa-miR-548av-5p;Derives_from=MI0019152
NovelMiR_KnownLoci_ID0009408	18_-_70520598_70520618	CAAAAGTACTTGCGGATTTGC	36576	hsa-miR-548av-5p;Derives_from=MI0019152
NovelMiR_KnownLoci_ID0009409	18_-_70520599_70520621	GTGCAAAAGTACTTGCGGATTTG	36577	hsa-miR-548av-5p;Derives_from=MI0019152
NovelMiR_KnownLoci_ID0009410	1_-_8926558_8926581	TCTCTGCTCTGCTCTCCCCAGGCG	36578	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009411	1_-_8926559_8926582	TTCTCTGCTCTGCTCTCCCCAGGC	36579	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009412	1_-_8926560_8926581	TCTCTGCTCTGCTCTCCCCAGG	36580	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009413	1_-_8926560_8926582	TTCTCTGCTCTGCTCTCCCCAGG	36581	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009414	1_-_8926561_8926582	TTCTCTGCTCTGCTCTCCCCAG	36582	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009415	1_-_8926561_8926584	GCTTCTCTGCTCTGCTCTCCCCAG	36583	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009416	1_-_8926561_8926585	TGCTTCTCTGCTCTGCTCTCCCCAG	36584	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009417	1_-_8926561_8926587	CATGCTTCTCTGCTCTGCTCTCCCCAG	36585	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009418	1_-_8926562_8926587	CATGCTTCTCTGCTCTGCTCTCCCCA	36586	hsa-miR-6728-3p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009419	1_-_8926616_8926635	TAGGACCAGAGGGGCTTACT	36587	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009420	1_-_8926616_8926636	GTAGGACCAGAGGGGCTTACT	36588	hsa-miR-6728-5p;Derives_from=MI0022573

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009421	1_-_8926621_8926643	TGGGATGGTAGGACCAGAGGGGC	36589	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009422	1_-_8926622_8926643	TGGGATGGTAGGACCAGAGGGG	36590	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009423	1_-_8926622_8926649	CTAGATTGGGATGGTAGGACCAGAGGGG	36591	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009424	1_-_8926623_8926643	TGGGATGGTAGGACCAGAGGG	36592	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009425	1_-_8926623_8926644	TTGGGATGGTAGGACCAGAGGG	36593	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009426	1_-_8926624_8926644	TTGGGATGGTAGGACCAGAGG	36594	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009427	1_-_8926624_8926645	ATTGGGATGGTAGGACCAGAGG	36595	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009428	1_-_8926625_8926644	TTGGGATGGTAGGACCAGAG	36596	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009429	1_-_8926630_8926648	TAGATTGGGATGGTAGGAC	36597	hsa-miR-6728-5p;Derives_from=MI0022573
NovelMiR_KnownLoci_ID0009430	19_+_10149028_10149049	TTGGCTGCGTGCTCTTGTGCAG	36598	hsa-miR-5589-5p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009431	19_+_10149029_10149049	TGGCTGGGTGCTCTTGTGCAG	36599	hsa-miR-5589-5p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009432	19_+_10149029_10149050	TGGCTGGGTGCTCTTGTGCAGT	36600	hsa-miR-5589-5p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009433	19_+_10149030_10149051	GGCTGGGTGCTCTTGTGCAGTG	36601	hsa-miR-5589-5p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009434	19_+_10149030_10149052	GGCTGGGTGCTCTTGTGCAGTGA	36602	hsa-miR-5589-5p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009435	19_+_10149041_10149056	CTTGTGCAGTGAGCAA	36603	hsa-miR-5589-5p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009436	19_+_10149067_10149085	TGCACATGGCAACCTAGCT	36604	hsa-miR-5589-3p;Derives_from=MI0019148

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009437	19_+_10149067_10149087	TGCACATGGCAACCTAGCTCC	36605	hsa-miR-5589-3p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009438	19_+_10149067_10149088	TGCACATGGCAACCTAGCTCCC	36606	hsa-miR-5589-3p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009439	19_+_10149067_10149090	TGCACATGGCAACCTAGCTCCCAA	36607	hsa-miR-5589-3p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009440	19_+_10149067_10149091	TGCACATGGCAACCTAGCTCCCAAA	36608	hsa-miR-5589-3p;Derives_from=MI0019148
NovelMiR_KnownLoci_ID0009441	19_+_10341125_10341140	GGGGGACTGTGGGCTC	36609	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009442	19_+_10341125_10341145	GGGGGACTGTGGGCTCAGCGC	36610	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009443	19_+_10341128_10341144	GGACTGTGGGCTCAGCG	36611	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009444	19_+_10341128_10341145	GGACTGTGGGCTCAGCGC	36612	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009445	19_+_10341128_10341146	GGACTGTGGGCTCAGCGCG	36613	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009446	19_+_10341128_10341147	GGACTGTGGGCTCAGCGCGT	36614	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009447	19_+_10341128_10341148	GGACTGTGGGCTCAGCGCGTG	36615	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009448	19_+_10341128_10341149	GGACTGTGGGCTCAGCGCGTGG	36616	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009449	19_+_10341128_10341150	GGACTGTGGGCTCAGCGCGTGGG	36617	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009450	19_+_10341128_10341151	GGACTGTGGGCTCAGCGCGTGGGG	36618	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009451	19_+_10341131_10341150	CTGTGGGCTCAGCGCGTGGG	36619	hsa-miR-4322;Derives_from=MI0015851
NovelMiR_KnownLoci_ID0009452	19_-_10514175_10514190	ACCCGAGCCGGAGCGG	36620	hsa-miR-1181;Derives_from=MI0006274

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009453	19_-_10514175_10514193	GCCACCCGAGCCGGAGCGG	36621	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009454	19_-_10514176_10514195	CCGCCACCCGAGCCGGAGCG	36622	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009455	19_-_10514176_10514196	GCCGCCACCCGAGCCGGAGCG	36623	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009456	19_-_10514178_10514196	GCCGCCACCCGAGCCGGAG	36624	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009457	19_-_10514178_10514197	CGCCGCCACCCGAGCCGGAG	36625	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009458	19_-_10514179_10514196	GCCGCCACCCGAGCCGGA	36626	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009459	19_-_10514179_10514197	CGCCGCCACCCGAGCCGGA	36627	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009460	19_-_10514179_10514199	GTCGCCGCCACCCGAGCCGGA	36628	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009461	19_-_10514181_10514199	GTCGCCGCCACCCGAGCCG	36629	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009462	19_-_10514181_10514203	CGCCGTCGCCGCCACCCGAGCCG	36630	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009463	19_-_10514184_10514202	GCCGTCGCCGCCACCCGAG	36631	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009464	19_-_10514186_10514206	TGCCGCCGTCGCCGCCACCCG	36632	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009465	19_-_10514188_10514207	CTGCCGCCGTCGCCGCCACC	36633	hsa-miR-1181;Derives_from=MI0006274
NovelMiR_KnownLoci_ID0009466	19_+_10662798_10662816	GTGAGTGGGAGCCCCAGTG	36634	hsa-miR-1238-5p;Derives_from=MI0006328
NovelMiR_KnownLoci_ID0009467	19_+_10662858_10662879	CCTTCCTCGTCTGTCTGCCCCA	36635	hsa-miR-1238-3p;Derives_from=MI0006328
NovelMiR_KnownLoci_ID0009468	19_+_10662858_10662880	CCTTCCTCGTCTGTCTGCCCCAG	36636	hsa-miR-1238-3p;Derives_from=MI0006328

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009469	19_+_10662858_10662881	CCTTCCTCGTCTGTCTGCCCCAGT	36637	hsa-miR-1238-3p;Derives_from=MI0006328
NovelMiR_KnownLoci_ID0009470	19_+_10662858_10662882	CCTTCCTCGTCTGTCTGCCCCAGTC	36638	hsa-miR-1238-3p;Derives_from=MI0006328
NovelMiR_KnownLoci_ID0009471	19_+_10662859_10662880	CTTCCTCGTCTGTCTGCCCCAG	36639	hsa-miR-1238-3p;Derives_from=MI0006328
NovelMiR_KnownLoci_ID0009472	19_+_10662859_10662881	CTTCCTCGTCTGTCTGCCCCAGT	36640	hsa-miR-1238-3p;Derives_from=MI0006328
NovelMiR_KnownLoci_ID0009473	19_+_10829090_10829107	GCGGCAGGGATCGCGGGC	36641	hsa-miR-638;Derives_from=MI0003653
NovelMiR_KnownLoci_ID0009474	19_+_10829095_10829111	AGGGATCGCGGGCGGGT	36642	hsa-miR-638;Derives_from=MI0003653
NovelMiR_KnownLoci_ID0009475	19_+_10829098_10829113	GATCGCGGGCGGGTGG	36643	hsa-miR-638;Derives_from=MI0003653
NovelMiR_KnownLoci_ID0009476	19_+_10829101_10829119	CGCGGGCGGGTGGCGGCCT	36644	hsa-miR-638;Derives_from=MI0003653
NovelMiR_KnownLoci_ID0009477	19_+_10829108_10829125	GGGTGGCGGCCTAGGGCG	36645	hsa-miR-638;Derives_from=MI0003653
NovelMiR_KnownLoci_ID0009478	19_+_10890938_10890959	TGAGGTTTGGGGAGGATTTGCT	36646	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009479	19_+_10890939_10890956	GAGGTTTGGGGAGGATTT	36647	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009480	19_+_10890939_10890957	GAGGTTTGGGGAGGATTTG	36648	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009481	19_+_10890939_10890958	GAGGTTTGGGGAGGATTTGC	36649	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009482	19_+_10890939_10890960	GAGGTTTGGGGAGGATTTGCTG	36650	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009483	19_+_10890939_10890961	GAGGTTTGGGGAGGATTTGCTGG	36651	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009484	19_+_10890940_10890958	AGGTTTGGGGAGGATTTGC	36652	hsa-miR-4748;Derives_from=MI0017387

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009485	19_+_10890940_10890959	AGGTTTGGGGAGGATTTGCT	36653	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009486	19_+_10890940_10890960	AGGTTTGGGGAGGATTTGCTG	36654	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009487	19_+_10890940_10890961	AGGTTTGGGGAGGATTTGCTGG	36655	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009488	19_+_10890940_10890962	AGGTTTGGGGAGGATTTGCTGGT	36656	hsa-miR-4748;Derives_from=MI0017387
NovelMiR_KnownLoci_ID0009489	19_-_10928105_10928130	GTGTACAGTAGTCTGCACATTGGTTA	36657	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009490	19_-_10928105_10928131	TGTGTACAGTAGTCTGCACATTGGTTA	36658	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009491	19_-_10928106_10928130	GTGTACAGTAGTCTGCACATTGGTT	36659	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009492	19_-_10928106_10928131	TGTGTACAGTAGTCTGCACATTGGTT	36660	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009493	19_-_10928107_10928130	GTGTACAGTAGTCTGCACATTGGT	36661	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009494	19_-_10928108_10928131	TGTGTACAGTAGTCTGCACATTGG	36662	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009495	19_-_10928110_10928130	GTGTACAGTAGTCTGCACATT	36663	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009496	19_-_10928112_10928132	ATGTGTACAGTAGTCTGCACA	36664	hsa-miR-199a-3p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009497	19_-_10928139_10928166	CCAGTGTTCAGACTACCTGTTCAGGAGG	36665	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009498	19_-_10928140_10928167	CCCAGTGTTCAGACTACCTGTTCAGGAG	36666	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009499	19_-_10928144_10928168	ACCCAGTGTTCAGACTACCTGTTCA	36667	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009500	19_-_10928145_10928168	ACCCAGTGTTCAGACTACCTGTTC	36668	hsa-miR-199a-5p;Derives_from=MI0000242

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009501	19_-_10928146_10928168	ACCCAGTGTTCAGACTACCTGTT	36669	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009502	19_-_10928146_10928169	AACCCAGTGTTCAGACTACCTGTT	36670	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009503	19_-_10928147_10928168	ACCCAGTGTTCAGACTACCTGT	36671	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009504	19_-_10928147_10928169	AACCCAGTGTTCAGACTACCTGT	36672	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009505	19_-_10928147_10928170	CAACCCAGTGTTCAGACTACCTGT	36673	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009506	19_-_10928148_10928170	CAACCCAGTGTTCAGACTACCTG	36674	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009507	19_-_10928149_10928169	AACCCAGTGTTCAGACTACCT	36675	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009508	19_-_10928149_10928170	CAACCCAGTGTTCAGACTACCT	36676	hsa-miR-199a-5p;Derives_from=MI0000242
NovelMiR_KnownLoci_ID0009509	19_+_10939650_10939668	TCACTGTGGGTTCTGGGTT	36677	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009510	19_+_10939650_10939669	TCACTGTGGGTTCTGGGTTG	36678	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009511	19_+_10939650_10939671	TCACTGTGGGTTCTGGGTTGGG	36679	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009512	19_+_10939650_10939676	TCACTGTGGGTTCTGGGTTGGGGT GAT	36680	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009513	19_+_10939651_10939667	CACTGTGGGTTCTGGGT	36681	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009514	19_+_10939651_10939669	CACTGTGGGTTCTGGGTTG	36682	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009515	19_+_10939651_10939670	CACTGTGGGTTCTGGGTTGG	36683	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009516	19_+_10939651_10939673	CACTGTGGGTTCTGGGTTGGGGT	36684	hsa-miR-6793-5p;Derives_from=MI0022638

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009517	19_+_10939651_10939674	CACTGTGGGTTCTGGGTTGGGGTG	36685	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009518	19_+_10939651_10939675	CACTGTGGGTTCTGGGTTGGGGTGA	36686	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009519	19_+_10939651_10939676	CACTGTGGGTTCTGGGTTGGGGTGAT	36687	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009520	19_+_10939651_10939677	CACTGTGGGTTCTGGGTTGGGGTGATA	36688	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009521	19_+_10939652_10939671	ACTGTGGGTTCTGGGTTGGG	36689	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009522	19_+_10939652_10939672	ACTGTGGGTTCTGGGTTGGGG	36690	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009523	19_+_10939652_10939673	ACTGTCGGTTCTGGGTTGGGGT	36691	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009524	19_+_10939652_10939674	ACTGTGGGTTCTGGGTTGGGGTG	36692	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009525	19_+_10939652_10939675	ACTGTGGGTTCTGGGTTGGGGTGA	36693	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009526	19_+_10939652_10939676	ACTGTGGGTTCTGGGTTGGGGTGAT	36694	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009527	19_+_10939652_10939677	ACTGTGGGTTCTGGGTTGGGGTGATA	36695	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009528	19_+_10939653_10939675	CTGTGGGTTCTGGGTTGGGGTGA	36696	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009529	19_+_10939653_10939677	CTGTGGGTTCTGGGTTGGGGTGATA	36697	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009530	19_+_10939654_10939674	TGTGGGTTCTGGGTTGGGGTG	36698	hsa-miR-6793-5p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009531	19_+_10939692_10939712	TCCCCAACCCCTGCCCGCAGA	36699	hsa-miR-6793-3p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009532	19_+_10939692_10939713	TCCCCAACCCCTGCCCGCAGAC	36700	hsa-miR-6793-3p;Derives_from=MI0022638

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009533	19_+_10939692_10939714	TCCCCAACCCCTGCCCGCAGACG	36701	hsa-miR-6793-3p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009534	19_+_10939693_10939712	CCCCAACCCCTGCCCGCAGA	36702	hsa-miR-6793-3p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009535	19_+_10939693_10939713	CCCCAACCCCTGCCCGCAGAC	36703	hsa-miR-6793-3p;Derives_from=MI0022638
NovelMiR_KnownLoci_ID0009536	19_+_11224152_11224172	TGGCCCGCAGGTGAGATGAGG	36704	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009537	19_+_11224154_11224174	GCCCGCAGGTGAGATGAGGGC	36705	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009538	19_+_11224155_11224171	CCCGCAGGTGAGATGAG	36706	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009539	19_+_11224155_11224172	CCCGCAGGTGAGATGAGG	36707	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009540	19_+_11224155_11224173	CCCGCAGGTGAGATGAGGG	36708	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009541	19_+_11224155_11224174	CCCGCAGGTGAGATGAGGGC	36709	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009542	19_+_11224155_11224176	CCCGCAGGTGAGATGAGGGCTC	36710	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009543	19_+_11224155_11224177	CCCGCAGGTGAGATGAGGGCTCC	36711	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009544	19_+_11224155_11224178	CCCGCAGGTGAGATGAGGGCTCCT	36712	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009545	19_+_11224155_11224179	CCCGCAGGTGAGATGAGGGCTCCTG	36713	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009546	19_+_11224155_11224180	CCCGCAGGTGAGATGAGGGCTCCTGG	36714	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009547	19_+_11224156_11224176	CCGCAGGTGAGATGAGGGCTC	36715	hsa-miR-6886-5p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009548	19_+_11224186_11224209	ATGCCCTTCTCTCCTCCTGCCTCA	36716	hsa-miR-6886-3p;Derives_from=MI0022733

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009549	19_+_11224187_11224208	TGCCCTTCTCTCCTCCTGCCTC	36717	hsa-miR-6886-3p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009550	19_+_11224187_11224209	TGCCCTTCTCTCCTCCTGCCTCA	36718	hsa-miR-6886-3p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009551	19_+_11224187_11224210	TGCCCTTCTCTCCTCCTGCCTCAG	36719	hsa-miR-6886-3p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009552	19_+_11224187_11224211	TGCCCTTCTCTCCTCCTGCCTCAGC	36720	hsa-miR-6886-3p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009553	19_+_11224190_11224210	CCTTCTCTCCTCCTGCCTCAG	36721	hsa-miR-6886-3p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009554	19_+_11224190_11224211	CCTTCTCTCCTCCTGCCTCAGC	36722	hsa-miR-6886-3p;Derives_from=MI0022733
NovelMiR_KnownLoci_ID0009555	19_-_11606358_11606382	AGGCTGTGATGCTCTCCTGAGCCCT	36723	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009556	19_-_11606358_11606383	TAGGCTGTGATGCTCTCCTGAGCCCT	36724	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009557	19_-_11606359_11606381	GGCTGTGATGCTCTCCTGAGCCC	36725	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009558	19_-_11606360_11606382	AGGCTGTGATGCTCTCCTGAGCC	36726	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009559	19_-_11606361_11606382	AGGCTGTGATGCTCTCCTGAGC	36727	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009560	19_-_11606363_11606382	AGGCTGTGATGCTCTCCTGA	36728	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009561	19_-_11606364_11606382	AGGCTGTGATGCTCTCCTG	36729	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009562	19_-_11606371_11606388	CTTCATAGGCTGTGATGC	36730	hsa-miR-7974;Derives_from=MI0025750
NovelMiR_KnownLoci_ID0009563	19_+_12897940_12897960	TAGCTGAACTCTAGCCTGAGC	36731	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009564	19_+_12897940_12897961	TAGCTGAACTCTAGCCTGAGCA	36732	hsa-miR-5684;Derives_from=MI0019285

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009565	19_+_12897940_12897962	TAGCTGAACTCTAGCCTGAGCAA	36733	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009566	19_+_12897940_12897963	TAGCTGAACTCTAGCCTGAGCAAC	36734	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009567	19_+_12897941_12897960	AGCTGAACTCTAGCCTGAGC	36735	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009568	19_+_12897941_12897961	AGCTGAACTCTAGCCTGAGCA	36736	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009569	19_+_12897941_12897962	AGCTGAACTCTAGCCTGAGCAA	36737	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009570	19_+_12897941_12897963	AGCTGAACTCTAGCCTGAGCAAC	36738	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009571	19_+_12897943_12897969	CTGAACTCTAGCCTGAGCAACAGAGTG	36739	hsa-miR-5684;Derives_from=MI0019285
NovelMiR_KnownLoci_ID0009572	19_+_12963073_12963088	TGGCCGCAGCGGGACT	36740	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009573	19_+_12963077_12963094	CGCAGGGGGACTGGGGGT	36741	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009574	19_+_12963077_12963098	CGCAGGGGGACTGGGGGTGAGC	36742	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009575	19_+_12963078_12963096	GCAGGGGGACTGGGGGTGA	36743	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009576	19_+_12963078_12963098	GCAGGGGGACTGGGGGTGAGC	36744	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009577	19_+_12963079_12963097	CAGGGGGACTGGGGGTGAG	36745	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009578	19_+_12963079_12963099	CAGGGGGACTGGGGGTGAGCA	36746	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009579	19_+_12963079_12963100	CAGGGGGACTGGGGGTGAGCAG	36747	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009580	19_+_12963082_12963103	GGGGACTGGGGGTGAGCAGGCC	36748	hsa-miR-6794-5p;Derives_from=MI0022639

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009581	19_+_12963082_12963104	GGGGACTGGGGGTGAGCAGGCCC	36749	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009582	19_+_12963084_12963103	GGACTGGGGGTGAGCAGGCC	36750	hsa-miR-6794-5p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009583	19_+_12963116_12963135	CGTGCTCACTCTCAGTCCCT	36751	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009584	19_+_12963116_12963136	CGTGCTCACTCTCAGTCCCTC	36752	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009585	19_+_12963116_12963137	CGTGCTCACTCTCAGTCCCTCC	36753	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009586	19_+_12963118_12963135	TGCTCACTCTCAGTCCCT	36754	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009587	19_+_12963118_12963138	TGCTCACTCTCAGTCCCTCCC	36755	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009588	19_+_12963118_12963139	TGCTCACTCTCAGTCCCTCCCT	36756	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009589	19_+_12963118_12963140	TGCTCACTCTCAGTCCCTCCCTA	36757	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009590	19_+_12963118_12963141	TGCTCACTCTCAGTCCCTCCCTAG	36758	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009591	19_+_12963118_12963142	TGCTCACTCTCAGTCCCTCCCTAGA	36759	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009592	19_+_12963120_12963137	CTCACTCTCAGTCCCTCC	36760	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009593	19_+_12963120_12963141	CTCACTCTCAGTCCCTCCCTAG	36761	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009594	19_+_12963120_12963142	CTCACTCTCAGTCCCTCCCTAGA	36762	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009595	19_+_12963120_12963143	CTCACTCTCAGTCCCTCCCTAGAT	36763	hsa-miR-6794-3p;Derives_from=MI0022639
NovelMiR_KnownLoci_ID0009596	19_+_13031186_13031205	GACTCCAAGAAGAATCTAGA	36764	hsa-miR-5695;Derives_from=MI0019302

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009597	19_+_13031186_13031206	GACTCCAAGAAGAATCTAGAC	36765	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009598	19_+_13031186_13031207	GACTCCAAGAAGAATCTAGACA	36766	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009599	19_+_13031186_13031208	GACTCCAAGAAGAATCTAGACAG	36767	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009600	19_+_13031186_13031209	GACTCCAAGAAGAATCTAGACAGA	36768	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009601	19_+_13031186_13031211	GACTCCAAGAAGAATCTAGACAGATA	36769	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009602	19_+_13031187_13031205	ACTCCAAGAAGAATCTAGA	36770	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009603	19_+_13031187_13031206	ACTCCAAGAAGAATCTAGAC	36771	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009604	19_+_13031187_13031207	ACTCCAAGAAGAATCTAGACA	36772	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009605	19_+_13031187_13031209	ACTCCAAGAAGAATCTAGACAGA	36773	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009606	19_+_13031187_13031210	ACTCCAAGAAGAATCTAGACAGAT	36774	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009607	19_+_13031187_13031211	ACTCCAAGAAGAATCTAGACAGATA	36775	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009608	19_+_13031188_13031207	CTCCAAGAAGAATCTAGACA	36776	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009609	19_+_13031188_13031208	CTCCAAGAAGAATCTAGACAG	36777	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009610	19_+_13031188_13031209	CTCCAAGAAGAATCTAGACAGA	36778	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009611	19_+_13031188_13031211	CTCCAAGAAGAATCTAGACAGATA	36779	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009612	19_+_13031196_13031214	AGAATCTAGACAGATAGGC	36780	hsa-miR-5695;Derives_from=MI0019302

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009613	19_+_13031197_13031214	GAATCTAGACAGATAGGC	36781	hsa-miR-5695;Derives_from=MI0019302
NovelMiR_KnownLoci_ID0009614	19_+_13051298_13051316	CATTGGAGGGTGTGGAAGA	36782	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009615	19_+_13051299_13051320	ATTGGAGGGTGTGGAAGACATC	36783	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009616	19_+_13051299_13051321	ATTGGAGGGTGTGGAAGACATCT	36784	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009617	19_+_13051300_13051317	TTGGAGGGTGTGGAAGAC	36785	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009618	19_+_13051300_13051318	TTGGAGGGTGTGGAAGACA	36786	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009619	19_+_13051300_13051319	TTGGAGGGTGTGGAAGACAT	36787	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009620	19_+_13051300_13051321	TTGGAGGGTGTGGAAGACATCT	36788	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009621	19_+_13051300_13051322	TTGGAGGGTGTGGAAGACATCTG	36789	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009622	19_+_13051300_13051323	TTGGAGGGTGTGGAAGACATCTGG	36790	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009623	19_+_13051300_13051325	TTGGAGGGTGTGGAAGACATCTGGGC	36791	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009624	19_+_13051301_13051320	TGGAGGGTGTGGAAGACATC	36792	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009625	19_+_13051310_13051326	TGGAAGACATCTGGGCC	36793	hsa-miR-6515-5p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009626	19_+_13051329_13051344	CTCTGATCTCTTCATC	36794	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009627	19_+_13051329_13051349	CTCTGATCTCTTCATCTACCC	36795	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009628	19_+_13051329_13051354	CTCTGATCTCTTCATCTACCCCCCAG	36796	hsa-miR-6515-3p;Derives_from=MI0022227

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009629	19_+_13051330_13051353	TCTGATCTCTTCATCTACCCCCCA	36797	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009630	19_+_13051332_13051353	TGATCTCTTCATCTACCCCCCA	36798	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009631	19_+_13051332_13051355	TGATCTCTTCATCTACCCCCCAGG	36799	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009632	19_+_13051333_13051355	GATCTCTTCATCTACCCCCCAGG	36800	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009633	19_+_13051335_13051355	TCTCTTCATCTACCCCCCAGG	36801	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009634	19_+_13051335_13051356	TCTCTTCATCTACCCCCCAGGA	36802	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009635	19_+_13051335_13051357	TCTCTTCATCTACCCCCCAGGAC	36803	hsa-miR-6515-3p;Derives_from=MI0022227
NovelMiR_KnownLoci_ID0009636	19_-_13947098_13947122	GCTCAGTTCAGCAGGAACAGGGGTC	36804	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009637	19_-_13947098_13947124	TGGCTCAGTTCAGCAGGAACAGGGGTC	36805	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009638	19_-_13947099_13947124	TGGCTCAGTTCAGCAGGAACAGGGGT	36806	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009639	19_-_13947100_13947124	TGGCTCAGTTCAGCAGGAACAGGGG	36807	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009640	19_-_13947101_13947122	GCTCAGTTCAGCAGGAACAGGG	36808	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009641	19_-_13947101_13947123	GGCTCAGTTCAGCAGGAACAGGG	36809	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009642	19_-_13947101_13947124	TGGCTCAGTTCAGCAGGAACAGGG	36810	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009643	19_-_13947105_13947129	TACACTGGCTCAGTTCAGCAGGAAC	36811	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009644	19_-_13947106_13947129	TACACTGGCTCAGTTCAGCAGGAA	36812	hsa-miR-24-3p;Derives_from=MI0000081

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009645	19_-_13947107_13947124	TGGCTCAGTTCAGCAGGA	36813	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009646	19_-_13947107_13947129	TACACTGGCTCAGTTCAGCAGGA	36814	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009647	19_-_13947111_13947130	GTACACTGGCTCAGTTCAGC	36815	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009648	19_-_13947114_13947130	GTACACTGGCTCAGTTC	36816	hsa-miR-24-3p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009649	19_-_13947138_13947162	GTGCCTACTGAGCTGAAACACAGT	36817	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009650	19_-_13947139_13947161	TGCCTACTGAGCTGAAACACAGT	36818	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009651	19_-_13947139_13947162	GTGCCTACTGAGCTGAAACACAGT	36819	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009652	19_-_13947140_13947162	GTGCCTACTGAGCTGAAACACAG	36820	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009653	19_-_13947141_13947162	GTGCCTACTGAGCTGAAACACA	36821	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009654	19_-_13947141_13947163	CGTGCCTACTGAGCTGAAACACA	36822	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009655	19_-_13947142_13947162	GTGCCTACTGAGCTGAAACAC	36823	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009656	19_-_13947143_13947162	GTGCCTACTGAGCTGAAACA	36824	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009657	19_-_13947144_13947162	GTGCCTACTGAGCTGAAAC	36825	hsa-miR-24-2-5p;Derives_from=MI0000081
NovelMiR_KnownLoci_ID0009658	19_-_13947259_13947281	TTCACAGTGGCTAAGTTCCGCCC	36826	hsa-miR-27a-3p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009659	19_-_13947260_13947281	TTCACAGTGGCTAAGTTCCGCC	36827	hsa-miR-27a-3p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009660	19_-_13947262_13947281	TTCACAGTGGCTAAGTTCCG	36828	hsa-miR-27a-3p;Derives_from=MI0000085

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009661	19_-_13947263_13947281	TTCACAGTGGCTAAGTTCC	36829	hsa-miR-27a-3p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009662	19_-_13947295_13947317	TTAGCTGCTTGTGAGCAGGGTCC	36830	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009663	19_-_13947295_13947321	GGGCTTAGCTGCTTGTGAGCAGGGTCC	36831	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009664	19_-_13947296_13947321	GGGCTTAGCTGCTTGTGAGCAGGGTC	36832	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009665	19_-_13947297_13947321	GGGCTTAGCTGCTTGTGAGCAGGGT	36833	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009666	19_-_13947297_13947322	AGGGCTTAGCTGCTTGTGAGCAGGGT	36834	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009667	19_-_13947298_13947321	GGGCTTAGCTGCTTGTGAGCAGGG	36835	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009668	19_-_13947298_13947322	AGGGCTTAGCTGCTTGTGAGCAGGG	36836	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009669	19_-_13947299_13947322	AGGGCTTAGCTGCTTGTGAGCAGG	36837	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009670	19_-_13947300_13947322	AGGGCTTAGCTGCTTGTGAGCAG	36838	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009671	19_-_13947301_13947321	GGGCTTAGCTGCTTGTGAGCA	36839	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009672	19_-_13947302_13947322	AGGGCTTAGCTGCTTGTGAGC	36840	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009673	19_-_13947303_13947322	AGGGCTTAGCTGCTTGTGAG	36841	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009674	19_-_13947304_13947322	AGGGCTTAGCTGCTTGTGA	36842	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009675	19_-_13947305_13947322	AGGGCTTAGCTGCTTGTG	36843	hsa-miR-27a-5p;Derives_from=MI0000085
NovelMiR_KnownLoci_ID0009676	19_-_13947306_13947322	AGGGCTTAGCTGCTTGT	36844	hsa-miR-27a-5p;Derives_from=MI0000085

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009677	19_-_13947405_13947429	ATCACATTGCCAGGGATTTCCAAC C	36845	hsa-miR-23a-3p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009678	19_-_13947406_13947429	ATCACATTGCCAGGGATTTCCAAC	36846	hsa-miR-23a-3p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009679	19_-_13947407_13947429	ATCACATTGCCAGGGATTTCCAA	36847	hsa-miR-23a-3p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009680	19_-_13947408_13947429	ATCACATTGCCAGGGATTTCCA	36848	hsa-miR-23a-3p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009681	19_-_13947410_13947429	ATCACATTGCCAGGGATTTC	36849	hsa-miR-23a-3p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009682	19_-_13947411_13947429	ATCACATTGCCAGGGATTT	36850	hsa-miR-23a-3p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009683	19_-_13947439_13947465	GGGGTTCCTGGGGATGGGATTTGC TTC	36851	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009684	19_-_13947441_13947465	GGGGTTCCTGGGGATGGGATTTGC T	36852	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009685	19_-_13947442_13947465	GGGGTTCCTGGGGATGGGATTTGC	36853	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009686	19_-_13947443_13947465	GGGGTTCCTGGGGATGGGATTTG	36854	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009687	19_-_13947443_13947466	TGGGGTTCCTGGGGATGGGATTTG	36855	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009688	19_-_13947444_13947464	GGGTTCCTGGGGATGGGATTT	36856	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009689	19_-_13947445_13947465	GGGGTTCCTGGGGATGGGATT	36857	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009690	19_-_13947445_13947466	TGGGGTTCCTGGGGATGGGATT	36858	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009691	19_-_13947446_13947465	GGGGTTCCTGGGGATGGGAT	36859	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009692	19_-_13947446_13947466	TGGGGTTCCTGGGGATGGGAT	36860	hsa-miR-23a-5p;Derives_from=MI0000079

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009693	19_-_13947447_13947465	GGGGTTCCTGGGGATGGGA	36861	hsa-miR-23a-5p;Derives_from=MI0000079
NovelMiR_KnownLoci_ID0009694	19_+_13985539_13985555	AACATTCAACCTGTCGG	36862	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009695	19_+_13985539_13985557	AACATTCAACCTGTCGGTG	36863	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009696	19_+_13985539_13985558	AACATTCAACCTGTCGGTGA	36864	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009697	19_+_13985539_13985559	AACATTCAACCTGTCGGTGAG	36865	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009698	19_+_13985539_13985561	AACATTCAACCTGTCGGTGAGTT	36866	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009699	19_+_13985539_13985562	AACATTCAACCTGTCGGTGAGTTT	36867	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009700	19_+_13985539_13985563	AACATTCAACCTGTCGGTGAGTTTG	36868	hsa-miR-181c-5p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009701	19_+_13985577_13985599	AACCATCGACCGTTGAGTGGACC	36869	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009702	19_+_13985578_13985593	ACCATCGACCGTTGAG	36870	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009703	19_+_13985578_13985594	ACCATCGACCGTTGAGT	36871	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009704	19_+_13985578_13985595	ACCATCGACCGTTGAGTG	36872	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009705	19_+_13985578_13985596	ACCATCGACCGTTGAGTGG	36873	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009706	19_+_13985578_13985597	ACCATCGACCGTTGAGTGGA	36874	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009707	19_+_13985578_13985598	ACCATCGACCGTTGAGTGGAC	36875	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009708	19_+_13985578_13985599	ACCATCGACCGTTGAGTGGACC	36876	hsa-miR-181c-3p;Derives_from=MI0000271

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009709	19_+_13985578_13985600	ACCATCGACCGTTGAGTGGACCC	36877	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009710	19_+_13985578_13985601	ACCATCGACCGTTGAGTGGACCCT	36878	hsa-miR-181c-3p;Derives_from=MI0000271
NovelMiR_KnownLoci_ID0009711	19_+_13985724_13985741	AACATTCATTGTTGTCGG	36879	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009712	19_+_13985724_13985742	AACATTCATTGTTGTCGGT	36880	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009713	19_+_13985724_13985743	AACATTCATTGTTGTCGGTG	36881	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009714	19_+_13985724_13985744	AACATTCATTGTTGTCGGTGG	36882	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009715	19_+_13985724_13985745	AACATTCATTGTTGTCGGTGGG	36883	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009716	19_+_13985724_13985747	AACATTCATTGTTGTCGGTGGGTT	36884	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009717	19_+_13985724_13985748	AACATTCATTGTTGTCGGTGGGTTG	36885	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009718	19_+_13985724_13985749	AACATTCATTGTTGTCGGTGGGTTGT	36886	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009719	19_+_13985724_13985751	AACATTCATTGTTGTCGGTGGGTTGTGA	36887	hsa-miR-181d-5p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009720	19_+_13985761_13985780	CCAGACCCACCGGGGGATGA	36888	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009721	19_+_13985765_13985782	ACCCACCGGGGGATGAAT	36889	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009722	19_+_13985765_13985784	ACCCACCGGGGGATGAATGT	36890	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009723	19_+_13985765_13985785	ACCCACCGGGGGATGAATGTC	36891	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009724	19_+_13985765_13985786	ACCCACCGGGGGATGAATGTCA	36892	hsa-miR-181d-3p;Derives_from=MI0003139

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009725	19_+_13985765_13985788	ACCCACCGGGGGATGAATGTCACT	36893	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009726	19_+_13985766_13985786	CCCACCGGGGGATGAATGTCA	36894	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009727	19_+_13985767_13985784	CCACCGGGGGATGAATGT	36895	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009728	19_+_13985767_13985785	CCACCGGGGGATGAATGTC	36896	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009729	19_+_13985767_13985786	CCACCGGGGGATGAATGTCA	36897	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009730	19_+_13985767_13985788	CCACCGGGGGATGAATGTCACT	36898	hsa-miR-181d-3p;Derives_from=MI0003139
NovelMiR_KnownLoci_ID0009731	19_+_14184195_14184213	TGAGCCCGGGCCGCGCAGG	36899	hsa-miR-1199-5p;Derives_from=MI0020340
NovelMiR_KnownLoci_ID0009732	19_+_14184196_14184214	GAGCCCGGGCCGCGCAGGC	36900	hsa-miR-1199-5p;Derives_from=MI0020340
NovelMiR_KnownLoci_ID0009733	19_+_14184231_14184250	TGCGCGTGCGGCCGGTGCTC	36901	hsa-miR-1199-3p;Derives_from=MI0020340
NovelMiR_KnownLoci_ID0009734	19_+_14640409_14640425	TAGTCTATCGCTGCGGT	36902	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009735	19_+_14640417_14640440	CGCTGCGGTTGCGAGCGCTGTAGG	36903	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009736	19_+_14640418_14640433	GCTGCGGTTGCGAGCG	36904	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009737	19_+_14640419_14640443	CTGCGGTTGCGAGCGCTGTAGGGAG	36905	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009738	19_+_14640420_14640440	TGCGGTTGCGAGCGCTGTAGG	36906	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009739	19_+_14640422_14640443	CGGTTGCGAGCGCTGTAGGGAG	36907	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009740	19_+_14640424_14640442	GTTGCGAGCGCTGTAGGGA	36908	hsa-miR-639;Derives_from=MI0003654

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009741	19_+_14640424_14640443	GTTGCGAGCGCTGTAGGGAG	36909	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009742	19_+_14640425_14640442	TTGCGAGCGCTGTAGGGA	36910	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009743	19_+_14640426_14640443	TGCGAGCGCTGTAGGGAG	36911	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009744	19_+_14640427_14640443	GCGAGCGCTGTAGGGAG	36912	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009745	19_+_14640428_14640443	CGAGCGCTGTAGGGAG	36913	hsa-miR-639;Derives_from=MI0003654
NovelMiR_KnownLoci_ID0009746	19_-_15290091_15290114	ACCCCTCGTTTCTTCCCCCAGGGG	36914	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009747	19_-_15290092_15290114	ACCCCTCGTTTCTTCCCCCAGGG	36915	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009748	19_-_15290092_15290116	CCACCCCTCGTTTCTTCCCCCAGGG	36916	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009749	19_-_15290093_15290114	ACCCCTCGTTTCTTCCCCCAGG	36917	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009750	19_-_15290093_15290115	CACCCCTCGTTTCTTCCCCCAGG	36918	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009751	19_-_15290093_15290116	CCACCCCTCGTTTCTTCCCCCAGG	36919	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009752	19_-_15290094_15290116	CCACCCCTCGTTTCTTCCCCCAG	36920	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009753	19_-_15290095_15290114	ACCCCTCGTTTCTTCCCCCA	36921	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009754	19_-_15290097_15290114	ACCCCTCGTTTCTTCCCC	36922	hsa-miR-6795-3p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009755	19_-_15290127_15290145	GATGAGAGGCTGTCTTCAT	36923	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009756	19_-_15290132_15290155	GGGGGGACAGGATGAGAGGCTGTC	36924	hsa-miR-6795-5p;Derives_from=MI0022640

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009757	19_-_15290132_15290156	TGGGGGGACAGGATGAGAGGCTGTC	36925	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009758	19_-_15290132_15290157	TTGGGGGGACAGGATGAGAGGCTGTC	36926	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009759	19_-_15290134_15290157	TTGGGGGGACAGGATGAGAGGCTG	36927	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009760	19_-_15290135_15290155	GGGGGGACAGGATGAGAGGCT	36928	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009761	19_-_15290135_15290157	TTGGGGGGACAGGATGAGAGGCT	36929	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009762	19_-_15290136_15290157	TTGGGGGGACAGGATGAGAGGC	36930	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009763	19_-_15290137_15290156	TGGGGGGACAGGATGAGAGG	36931	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009764	19_-_15290137_15290157	TTGGGGGGACAGGATGAGAGG	36932	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009765	19_-_15290139_15290157	TTGGGGGGACAGGATGAGA	36933	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009766	19_-_15290145_15290162	CAGGGTTGGGGGGACAGG	36934	hsa-miR-6795-5p;Derives_from=MI0022640
NovelMiR_KnownLoci_ID0009767	19_-_1816164_1816187	CAGGGGCCGGGTGCTCACCGCATC	36935	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009768	19_-_1816165_1816189	CGCAGGGGCCGGGTGCTCACCGCAT	36936	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009769	19_-_1816166_1816189	CGCAGGGGCCGGGTGCTCACCGCA	36937	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009770	19_-_1816167_1816189	CGCAGGGGCCGGGTGCTCACCGC	36938	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009771	19_-_1816167_1816190	GCGCAGGGGCCGGGTGCTCACCGC	36939	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009772	19_-_1816168_1816190	GCGCAGGGGCCGGGTGCTCACCG	36940	hsa-miR-1909-3p;Derives_from=MI0008330

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009773	19_-_1816169_1816189	CGCAGGGGCCGGGTGCTCACC	36941	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009774	19_-_1816169_1816191	TGCGCAGGGGCCGGGTGCTCACC	36942	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009775	19_-_1816171_1816189	CGCAGGGGCCGGGTGCTCA	36943	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009776	19_-_1816173_1816189	CGCAGGGGCCGGGTGCT	36944	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009777	19_-_1816174_1816189	CGCAGGGGCCGGGTGC	36945	hsa-miR-1909-3p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009778	19_-_1816199_1816223	GTGAGTGCCGGTGCCTGCCCTGGGG	36946	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009779	19_-_1816200_1816223	GTGAGTGCCGGTGCCTGCCCTGGG	36947	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009780	19_-_1816201_1816222	TGAGTGCCGGTGCCTGCCCTGG	36948	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009781	19_-_1816201_1816223	GTGAGTGCCGGTGCCTGCCCTGG	36949	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009782	19_-_1816202_1816223	GTGAGTGCCGGTGCCTGCCCTG	36950	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009783	19_-_1816203_1816223	GTGAGTGCCGGTGCCTGCCCT	36951	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009784	19_-_1816207_1816222	TGAGTGCCGGTGCCTG	36952	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009785	19_-_1816212_1816228	CAATGGTGAGTGCCGGT	36953	hsa-miR-1909-5p;Derives_from=MI0008330
NovelMiR_KnownLoci_ID0009786	19_+_18392933_18392949	TTCTGGAGAGGCTTTGT	36954	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009787	19_+_18392933_18392950	TTCTGGAGAGGCTTTGTG	36955	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009788	19_+_18392933_18392951	TTCTGGAGAGGCTTTGTGC	36956	hsa-miR-3188;Derives_from=MI0014232

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009789	19_+_18392933_18392952	TTCTGGAGAGGCTTTGTGCG	36957	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009790	19_+_18392939_18392955	AGAGGCTTTGTGCGGAT	36958	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009791	19_+_18392939_18392957	AGAGGCTTTGTGCGGATAC	36959	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009792	19_+_18392939_18392958	AGAGGCTTTGTGCGGATACG	36960	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009793	19_+_18392939_18392959	AGAGGCTTTGTGCGGATACGG	36961	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009794	19_+_18392939_18392960	AGAGGCTTTGTGCGGATACGGG	36962	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009795	19_+_18392939_18392962	AGAGGCTTTGTGCGGATACGGGGC	36963	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009796	19_+_18392942_18392961	GGCTTTGTGCGGATACGGGG	36964	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009797	19_+_18392942_18392967	GGCTTTGTGCGGATACGGGGCTGGAG	36965	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009798	19_+_18392943_18392962	GCTTTGTGCGGATACGGGGC	36966	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009799	19_+_18392952_18392967	GGATACGGGGCTGGAG	36967	hsa-miR-3188;Derives_from=MI0014232
NovelMiR_KnownLoci_ID0009800	19_+_18497380_18497400	TGCCCCATCTGTGCCCTGGGT	36968	hsa-miR-3189-5p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009801	19_+_18497380_18497402	TGCCCCATCTGTGCCCTGGGTAG	36969	hsa-miR-3189-5p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009802	19_+_18497380_18497403	TGCCCCATCTGTGCCCTGGGTAGG	36970	hsa-miR-3189-5p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009803	19_+_18497380_18497405	TGCCCCATCTGTGCCCTGGGTAGGAA	36971	hsa-miR-3189-5p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009804	19_+_18497417_18497436	CCCTTGGGTCTGATGGGGTA	36972	hsa-miR-3189-3p;Derives_from=MI0014233

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009805	19_+_18497417_18497438	CCCTTGGGTCTGATGGGGTAGC	36973	hsa-miR-3189-3p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009806	19_+_18497417_18497439	CCCTTGGGTCTGATGGGGTAGCC	36974	hsa-miR-3189-3p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009807	19_+_18497417_18497440	CCCTTGGGTCTGATGGGGTAGCCG	36975	hsa-miR-3189-3p;Derives_from=MI0014233
NovelMiR_KnownLoci_ID0009808	19_+_19545928_19545947	GGGCATGATCCAGGAACCTG	36976	hsa-miR-640;Derives_from=MI0003655
NovelMiR_KnownLoci_ID0009809	19_+_19545933_19545952	TGATCCAGGAACCTGCCTCT	36977	hsa-miR-640;Derives_from=MI0003655
NovelMiR_KnownLoci_ID0009810	19_+_19545934_19545952	GATCCAGGAACCTGCCTCT	36978	hsa-miR-640;Derives_from=MI0003655
NovelMiR_KnownLoci_ID0009811	19_+_19545935_19545952	ATCCAGGAACCTGCCTCT	36979	hsa-miR-640;Derives_from=MI0003655
NovelMiR_KnownLoci_ID0009812	1_-_9211747_9211771	ATCAGCAAGTATACTGCCCTAGAAG	36980	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009813	1_-_9211748_9211771	ATCAGCAAGTATACTGCCCTAGAA	36981	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009814	1_-_9211748_9211772	AATCAGCAAGTATACTGCCCTAGAA	36982	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009815	1_-_9211748_9211773	CAATCAGCAAGTATACTGCCCTAGAA	36983	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009816	1_-_9211750_9211771	ATCAGCAAGTATACTGCCCTAG	36984	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009817	1_-_9211750_9211772	AATCAGCAAGTATACTGCCCTAG	36985	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009818	1_-_9211750_9211773	CAATCAGCAAGTATACTGCCCTAG	36986	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009819	1_-_9211751_9211772	AATCAGCAAGTATACTGCCCTA	36987	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009820	1_-_9211751_9211773	CAATCAGCAAGTATACTGCCCTA	36988	hsa-miR-34a-3p;Derives_from=MI0000268

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009821	1_-_9211752_9211771	ATCAGCAAGTATACTGCCCT	36989	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009822	1_-_9211752_9211772	AATCAGCAAGTATACTGCCCT	36990	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009823	1_-_9211753_9211772	AATCAGCAAGTATACTGCCC	36991	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009824	1_-_9211754_9211772	AATCAGCAAGTATACTGCC	36992	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009825	1_-_9211755_9211772	AATCAGCAAGTATACTGC	36993	hsa-miR-34a-3p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009826	1_-_9211789_9211815	TGGCAGTGTCTTAGCTGGTTGTTGTGA	36994	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009827	1_-_9211791_9211815	TGGCAGTGTCTTAGCTGGTTGTTGT	36995	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009828	1_-_9211792_9211815	TGGCAGTGTCTTAGCTGGTTGTTG	36996	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009829	1_-_9211793_9211815	TGGCAGTGTCTTAGCTGGTTGTT	36997	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009830	1_-_9211795_9211815	TGGCAGTGTCTTAGCTGGTTG	36998	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009831	1_-_9211796_9211815	TGGCAGTGTCTTAGCTGGTT	36999	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009832	1_-_9211797_9211815	TGGCAGTGTCTTAGCTGGT	37000	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009833	1_-_9211798_9211815	TGGCAGTGTCTTAGCTGG	37001	hsa-miR-34a-5p;Derives_from=MI0000268
NovelMiR_KnownLoci_ID0009834	19_-_2234058_2234080	CGTGCCACCCTTTTCCCCAGCTA	37002	hsa-miR-1227-3p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009835	19_-_2234059_2234079	GTGCCACCCTTTTCCCCAGCT	37003	hsa-miR-1227-3p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009836	19_-_2234059_2234080	CGTGCCACCCTTTTCCCCAGCT	37004	hsa-miR-1227-3p;Derives_from=MI0006316

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009837	19_-_2234060_2234079	GTGCCACCCTTTTCCCCAGC	37005	hsa-miR-1227-3p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009838	19_-_2234060_2234080	CGTGCCACCCTTTTCCCCAGC	37006	hsa-miR-1227-3p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009839	19_-_2234063_2234080	CGTGCCACCCTTTTCCCC	37007	hsa-miR-1227-3p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009840	19_-_2234064_2234080	CGTGCCACCCTTTTCCC	37008	hsa-miR-1227-3p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009841	19_-_2234126_2234145	GGGCCAGGCGGTGGTGGGCA	37009	hsa-miR-1227-5p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009842	19_-_2234126_2234148	GTGGGGCCAGGCGGTGGTGGGCA	37010	hsa-miR-1227-5p;Derives_from=MI0006316
NovelMiR_KnownLoci_ID0009843	19_-_2235824_2235848	CGGCGCCCGTGTCTCCTCCAGCCCG	37011	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009844	19_-_2235825_2235848	CGGCGCCCGTGTCTCCTCCAGCCC	37012	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009845	19_-_2235826_2235848	CGGCGCCCGTGTCTCCTCCAGCC	37013	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009846	19_-_2235827_2235848	CGGCGCCCGTGTCTCCTCCAGC	37014	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009847	19_-_2235828_2235852	GTCCCGGCGCCCGTGTCTCCTCCAG	37015	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009848	19_-_2235829_2235847	GGCGCCCGTGTCTCCTCCA	37016	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009849	19_-_2235829_2235848	CGGCGCCCGTGTCTCCTCCA	37017	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009850	19_-_2235830_2235852	GTCCCGGCGCCCGTGTCTCCTCC	37018	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009851	19_-_2235830_2235854	CCGTCCCGGCGCCCGTGTCTCCTCC	37019	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009852	19_-_2235832_2235848	CGGCGCCCGTGTCTCCT	37020	hsa-miR-6789-3p;Derives_from=MI0022634

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009853	19_-_2235832_2235851	TCCCGGCGCCCGTGTCTCCT	37021	hsa-miR-6789-3p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009854	19_-_2235894_2235920	TAGGGGCGTCCCGGGCGCGCGGGCGGG	37022	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009855	19_-_2235895_2235920	TAGGGGCGTCCCGGGCGCGCGGGCGG	37023	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009856	19_-_2235895_2235921	GTAGGGGCGTCCCGGGCGCGCGGGCGG	37024	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009857	19_-_2235896_2235914	CGTCCCGGGCGCGCGGGCG	37025	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009858	19_-_2235896_2235920	TAGGGGCGTCCCGGGCGCGCGGGCG	37026	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009859	19_-_2235896_2235921	GTAGGGGCGTCCCGGGCGCGCGGGCG	37027	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009860	19_-_2235897_2235920	TAGGGGCGTCCCGGGCGCGCGGGC	37028	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009861	19_-_2235897_2235921	GTAGGGGCGTCCCGGGCGCGCGGGC	37029	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009862	19_-_2235898_2235920	TAGGGGCGTCCCGGGCGCGCGGG	37030	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009863	19_-_2235899_2235921	GTAGGGGCGTCCCGGGCGCGCGG	37031	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009864	19_-_2235901_2235921	GTAGGGGCGTCCCGGGCGCGC	37032	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009865	19_-_2235902_2235921	GTAGGGGCGTCCCGGGCGCG	37033	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009866	19_-_2235903_2235921	GTAGGGGCGTCCCGGGCGC	37034	hsa-miR-6789-5p;Derives_from=MI0022634
NovelMiR_KnownLoci_ID0009867	19_+_2250681_2250700	CTGGTGTTAGCGGTGGACCG	37035	hsa-miR-4321;Derives_from=MI0015852
NovelMiR_KnownLoci_ID0009868	19_+_2250681_2250702	CTGGTGTTAGCGGTGGACCGCC	37036	hsa-miR-4321;Derives_from=MI0015852

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009869	19_+_2250698_2250713	CCGCCCTGCGGGGGCC	37037	hsa-miR-4321;Derives_from=MI0015852
NovelMiR_KnownLoci_ID0009870	19_-_2434909_2434931	ACCCGCCCGTCTCCCCACAGCTG	37038	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009871	19_-_2434910_2434930	CCCGCCCGTCTCCCCACAGCT	37039	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009872	19_-_2434910_2434931	ACCCGCCCGTCTCCCCACAGCT	37040	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009873	19_-_2434910_2434932	CACCCGCCCGTCTCCCCACAGCT	37041	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009874	19_-_2434911_2434931	ACCCGCCCGTCTCCCCACAGC	37042	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009875	19_-_2434911_2434932	CACCCGCCCGTCTCCCCACAGC	37043	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009876	19_-_2434912_2434930	CCCGCCCGTCTCCCCACAG	37044	hsa-miR-7108-3p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009877	19_-_2434974_2434998	GTGTGGCCGGCAGGCGGGTGGGCGG	37045	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009878	19_-_2434975_2434998	GTGTGGCCGGCAGGCGGGTGGGCG	37046	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009879	19_-_2434976_2434998	GTGTGGCCGGCAGGCGGGTGGGC	37047	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009880	19_-_2434977_2434997	TGTGGCCGGCAGGCGGGTGGG	37048	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009881	19_-_2434977_2434998	GTGTGGCCGGCAGGCGGGTGGG	37049	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009882	19_-_2434979_2434998	GTGTGGCCGGCAGGCGGGTG	37050	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009883	19_-_2434981_2434998	GTGTGGCCGGCAGGCGGG	37051	hsa-miR-7108-5p;Derives_from=MI0022959
NovelMiR_KnownLoci_ID0009884	19_+_2630720_2630741	AGTTTGGACATAGTGTGGCTGG	37052	hsa-miR-7850-5p;Derives_from=MI0025520

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009885	19_+_2630720_2630742	AGTTTGGACATAGTGTGGCTGGG	37053	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009886	19_+_2630721_2630739	GTTTGGACATAGTGTGGCT	37054	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009887	19_+_2630721_2630740	GTTTGGACATAGTGTGGCTG	37055	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009888	19_+_2630721_2630743	GTTTGGACATAGTGTGGCTGGGT	37056	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009889	19_+_2630722_2630742	TTTGGACATAGTGTGGCTGGG	37057	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009890	19_+_2630722_2630743	TTTGGACATAGTGTGGCTGGGT	37058	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009891	19_+_2630722_2630744	TTTGGACATAGTGTGGCTGGGTC	37059	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009892	19_+_2630722_2630746	TTTGGACATAGTGTGGCTGGGTCCT	37060	hsa-miR-7850-5p;Derives_from=MI0025520
NovelMiR_KnownLoci_ID0009893	19_+_35613607_35613627	AATGGGGGGACAGATGGAGAG	37061	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009894	19_+_35613608_35613626	ATGGGGGGACAGATGGAGA	37062	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009895	19_+_35613608_35613627	ATGGGGGGACAGATGGAGAG	37063	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009896	19_+_35613608_35613628	ATGGGGGGACAGATGGAGAGG	37064	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009897	19_+_35613608_35613629	ATGGGGGGACAGATGGAGAGGA	37065	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009898	19_+_35613608_35613630	ATGGGGGGACAGATGGAGAGGAC	37066	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009899	19_+_35613608_35613631	ATGGGGGGACAGATGGAGAGGACA	37067	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009900	19_+_35613608_35613632	ATGGGGGGACAGATGGAGAGGACAC	37068	hsa-miR-6887-5p;Derives_from=MI0022734

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009901	19_+_35613609_35613630	TGGGGGGACAGATGGAGAGGAC	37069	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009902	19_+_35613609_35613632	TGGGGGGACAGATGGAGAGGACAC	37070	hsa-miR-6887-5p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009903	19_+_35613648_35613667	TCCCCTCCACTTTCCTCCTA	37071	hsa-miR-6887-3p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009904	19_+_35613648_35613669	TCCCCTCCACTTTCCTCCTAGA	37072	hsa-miR-6887-3p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009905	19_+_35613648_35613670	TCCCCTCCACTTTCCTCCTAGAC	37073	hsa-miR-6887-3p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009906	19_+_35613648_35613671	TCCCCTCCACTTTCCTCCTAGACT	37074	hsa-miR-6887-3p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009907	19_+_35613649_35613669	CCCCTCCACTTTCCTCCTAGA	37075	hsa-miR-6887-3p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009908	19_+_35613649_35613670	CCCCTCCACTTTCCTCCTAGAC	37076	hsa-miR-6887-3p;Derives_from=MI0022734
NovelMiR_KnownLoci_ID0009909	19_+_35836442_35836464	CCAGGGAAGGGGACGAGGGTTGG	37077	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009910	19_+_35836442_35836465	CCAGGGAAGGGGACGAGGGTTGGG	37078	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009911	19_+_35836442_35836466	CCAGGGAAGGGGACGAGGGTTGGGG	37079	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009912	19_+_35836443_35836464	CAGGGAAGGGGACCAGGGTTGG	37080	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009913	19_+_35836443_35836465	CAGGGAAGGGGACGAGGGTTGGG	37081	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009914	19_+_35836443_35836466	CAGGGAAGGGGACGAGGGTTGGGG	37082	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009915	19_+_35836443_35836467	CAGGGAAGGGGACGAGGGTTGGGGA	37083	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009916	19_+_35836444_35836466	AGGGAAGGGGACGAGGGTTGGGG	37084	hsa-miR-5196-5p;Derives_from=MI0018175

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009917	19_+_35836444_35836467	AGGGAAGGGGACGAGGGTTGGGGA	37085	hsa-miR-5196-5p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009918	19_+_35836482_35836504	CTTCATCCTCGTCTCCCTCCCAG	37086	hsa-miR-5196-3p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009919	19_+_35836484_35836503	TCATCCTCGTCTCCCTCCCA	37087	hsa-miR-5196-3p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009920	19_+_35836484_35836505	TCATCCTCGTCTCCCTCCCAGG	37088	hsa-miR-5196-3p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009921	19_+_35836484_35836506	TCATCCTCGTCTCCCTCCCAGGT	37089	hsa-miR-5196-3p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009922	19_+_35836484_35836507	TCATCCTCGTCTCCCTCCCAGGTT	37090	hsa-miR-5196-3p;Derives_from=MI0018175
NovelMiR_KnownLoci_ID0009923	19_-_3961421_3961436	GGCTCTGCGTCTGCAC	37091	hsa-miR-637;Derives_from=MI0003652
NovelMiR_KnownLoci_ID0009924	19_-_3961421_3961441	TTTCGGGCTCTGCGTCTGCAC	37092	hsa-miR-637;Derives_from=MI0003652
NovelMiR_KnownLoci_ID0009925	19_-_3961434_3961456	CTGAGCACTGGGGGCTTTCGGGC	37093	hsa-miR-637;Derives_from=MI0003652
NovelMiR_KnownLoci_ID0009926	19_-_39900263_39900280	AGGACGGGAGCGCGGCGC	37094	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009927	19_-_39900263_39900284	CAGCAGGACGGGAGCGCGGCGC	37095	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009928	19_-_39900263_39900286	CCCAGCAGGACGGGAGCGCGGCGC	37096	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009929	19_-_39900266_39900286	CCCAGCAGGACGGGAGCGCGG	37097	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009930	19_-_39900267_39900287	GCCCAGCAGGACGGGAGCGCG	37098	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009931	19_-_39900267_39900291	AGGAGCCCAGCAGGACGGGAGCGCG	37099	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009932	19_-_39900268_39900292	AAGGAGCCCAGCAGGACGGGAGCGC	37100	hsa-miR-4530;Derives_from=MI0016897

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009933	19_-_39900269_39900287	GCCCAGCAGGACGGGAGCG	37101	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009934	19_-_39900269_39900288	AGCCCAGCAGGACGGGAGCG	37102	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009935	19_-_39900269_39900289	GAGCCCAGCAGGACGGGAGCG	37103	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009936	19_-_39900270_39900289	GAGCCCAGCAGGACGGGAGC	37104	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009937	19_-_39900272_39900289	GAGCCCAGCAGGACGGGA	37105	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009938	19_-_39900277_39900292	AAGGAGCCCAGCAGGA	37106	hsa-miR-4530;Derives_from=MI0016897
NovelMiR_KnownLoci_ID0009939	19_-_40320361_40320382	CATCAGTGATCTCTCCTGCTGCT	37107	hsa-miR-6719-3p;Derives_from=MI0022554
NovelMiR_KnownLoci_ID0009940	19_-_40320362_40320387	TCTGACATCAGTGATTCTCCTGCT GC	37108	hsa-miR-6719-3p;Derives_from=MI0022554
NovelMiR_KnownLoci_ID0009941	19_-_40320364_40320387	TCTGACATCAGTGATTCTCCTGCT	37109	hsa-miR-6719-3p;Derives_from=MI0022554
NovelMiR_KnownLoci_ID0009942	19_-_40320365_40320387	TCTGACATCAGTGATTCTCCTGC	37110	hsa-miR-6719-3p;Derives_from=MI0022554
NovelMiR_KnownLoci_ID0009943	19_-_40788506_40788531	AGACATAGGATAGAGTCACCTCTG TC	37111	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009944	19_-_40788506_40788533	AAAGACATAGGATAGAGTCACCTC TGTC	37112	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009945	19_-_40788507_40788533	AAAGACATAGGATAGAGTCACCTC TGT	37113	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009946	19_-_40788508_40788533	AAAGACATAGGATAGAGTCACCTC TG	37114	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009947	19_-_40788509_40788532	AAGACATAGGATAGAGTCACCTCT	37115	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009948	19_-_40788509_40788533	AAAGACATAGGATAGAGTCACCTC T	37116	hsa-miR-641;Derives_from=MI0003656

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009949	19_-_40788510_40788532	AAGACATAGGATAGAGTCACCTC	37117	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009950	19_-_40788511_40788532	AAGACATAGGATAGAGTCACCT	37118	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009951	19_-_40788511_40788533	AAAGACATAGGATAGAGTCACCT	37119	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009952	19_-_40788511_40788534	GAAAGACATAGGATAGAGTCACCT	37120	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009953	19_-_40788512_40788532	AAGACATAGGATAGAGTCACC	37121	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009954	19_-_40788512_40788533	AAAGACATAGGATAGAGTCACC	37122	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009955	19_-_40788513_40788533	AAAGACATAGGATAGAGTCAC	37123	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009956	19_-_40788513_40788534	GAAAGACATAGGATAGAGTCAC	37124	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009957	19_-_40788514_40788533	AAAGACATAGGATAGAGTCA	37125	hsa-miR-641;Derives_from=MI0003656
NovelMiR_KnownLoci_ID0009958	19_+_40875757_40875778	CTTGTGGGGTTGGAGAGCTGGC	37126	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009959	19_+_40875757_40875780	CTTGTGGGGTTGGAGAGCTGGCTG	37127	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009960	19_+_40875757_40875781	CTTGTGGGGTTGGAGAGCTGGCTGG	37128	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009961	19_+_40875757_40875782	CTTGTGGGGTTGGAGAGCTGGCTGGT	37129	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009962	19_+_40875758_40875777	TTGTGGGGTTGGAGAGCTGG	37130	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009963	19_+_40875758_40875778	TTGTGGGGTTGGAGAGCTGGC	37131	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009964	19_+_40875758_40875779	TTGTGGGGTTGGAGAGCTGGCT	37132	hsa-miR-6796-5p;Derives_from=MI0022641

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009965	19_+_40875758_40875781	TTGTGGGGTTGGAGAGCTGGCTGG	37133	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009966	19_+_40875758_40875782	TTGTGGGGTTGGAGAGCTGGCTGGT	37134	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009967	19_+_40875758_40875783	TTGTGGGGTTGGAGAGCTGGCTGGTC	37135	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009968	19_+_40875759_40875780	TGTGGGGTTGGAGAGCTGGCTG	37136	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009969	19_+_40875771_40875786	GAGCTGGCTGGTCCAG	37137	hsa-miR-6796-5p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009970	19_+_40875793_40875813	AGAAGCTCTCCCCTCCCCGCA	37138	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009971	19_+_40875793_40875815	AGAAGCTCTCCCCTCCCCGCAGG	37139	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009972	19_+_40875793_40875816	AGAAGCTCTCCCCTCCCCGCAGGG	37140	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009973	19_+_40875793_40875818	AGAAGCTCTCCCCTCCCCGCAGGGTG	37141	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009974	19_+_40875794_40875811	GAAGCTCTCCCCTCCCCG	37142	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009975	19_+_40875794_40875812	GAAGCTCTCCCCTCCCCGC	37143	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009976	19_+_40875794_40875815	GAAGCTCTCCCCTCCCCGCAGG	37144	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009977	19_+_40875794_40875816	GAAGCTCTCCCCTCCCCGCAGGG	37145	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009978	19_+_40875794_40875818	GAAGCTCTCCCCTCCCCGCAGGGTG	37146	hsa-miR-6796-3p;Derives_from=MI0022641
NovelMiR_KnownLoci_ID0009979	19_+_42373700_42373720	CCAGGAGGGAAGGGGCTGAGA	37147	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009980	19_+_42373701_42373721	CAGGAGGGAAGGGGCTGAGAA	37148	hsa-miR-6797-5p;Derives_from=MI0022642

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009981	19_+_42373701_42373725	CAGGAGGGAAGGGGCTGAGAACAG G	37149	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009982	19_+_42373701_42373726	CAGGAGGGAAGGGGCTGAGAACAG GA	37150	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009983	19_+_42373701_42373728	CAGGAGGGAAGGGGCTGAGAACAG GACC	37151	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009984	19_+_42373702_42373721	AGGAGGGAAGGGGCTGAGAA	37152	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009985	19_+_42373702_42373722	AGGAGGGAAGGGGCTGAGAAC	37153	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009986	19_+_42373702_42373723	AGGAGGGAAGGGGCTGAGAACA	37154	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009987	19_+_42373702_42373724	AGGAGGGAAGGGGCTGAGAACAG	37155	hsa-miR-6797-5p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009988	19_+_42373744_42373764	CTGCATGACCCTTCCCTCCCC	37156	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009989	19_+_42373744_42373766	CTGCATGACCCTTCCCTCCCCAC	37157	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009990	19_+_42373744_42373767	CTGCATGACCCTTCCCTCCCCACA	37158	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009991	19_+_42373744_42373768	CTGCATGACCCTTCCCTCCCCACA G	37159	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009992	19_+_42373745_42373764	TGCATGACCCTTCCCTCCCC	37160	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009993	19_+_42373745_42373765	TGCATGACCCTTCCCTCCCCA	37161	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009994	19_+_42373745_42373767	TGCATGACCCTTCCCTCCCCACA	37162	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009995	19_+_42373745_42373768	TGCATGACCCTTCCCTCCCCACAG	37163	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009996	19_+_42373745_42373769	TGCATGACCCTTCCCTCCCCACAG C	37164	hsa-miR-6797-3p;Derives_from=MI0022642

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0009997	19_+_42373748_42373764	ATGACCCTTCCCTCCCC	37165	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009998	19_+_42373754_42373772	CTTCCCTCCCCACAGCGGC	37166	hsa-miR-6797-3p;Derives_from=MI0022642
NovelMiR_KnownLoci_ID0009999	19_-_42637603_42637629	CCAGGCAGCCCCACAGCCTCAGACCTC	37167	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010000	19_-_42637605_42637628	CAGGCAGCCCCACAGCCTCAGACC	37168	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010001	19_-_42637606_42637624	CAGCCCCACAGCCTCAGAC	37169	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010002	19_-_42637606_42637628	CAGGCAGCCCCACAGCCTCAGAC	37170	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010003	19_-_42637607_42637627	AGGCAGCCCCACAGCCTCAGA	37171	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010004	19_-_42637607_42637628	CAGGCAGCCCCACAGCCTCAGA	37172	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010005	19_-_42637608_42637628	CAGGCAGCCCCACAGCCTCAG	37173	hsa-miR-4323;Derives_from=MI0015853
NovelMiR_KnownLoci_ID0010006	1_+_94312430_94312447	GAAATTCGGCTCTGGGTC	37174	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010007	1_+_94312435_94312452	TCGGCTCTGGGTCTGTGG	37175	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010008	1_+_94312435_94312455	TCGGCTCTGGGTCTGTGGGGA	37176	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010009	1_+_94312435_94312456	TCGGCTCTGGGTCTGTGGGGAG	37177	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010010	1_+_94312435_94312457	TCGGCTCTGGGTCTGTGGGGAGC	37178	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010011	1_+_94312435_94312458	TCGGCTCTGGGTCTGTGGGGAGCG	37179	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010012	1_+_94312436_94312451	CGGCTCTGGGTCTGTG	37180	hsa-miR-760;Derives_from=MI0005567

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010013	1_+_94312436_94312452	CGGCTCTGGGTCTGTGG	37181	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010014	1_+_94312436_94312453	CGGCTCTGGGTCTGTGGG	37182	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010015	1_+_94312436_94312454	CGGCTCTGGGTCTGTGGGG	37183	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010016	1_+_94312436_94312456	CGGCTCTGGGTCTGTGGGGAG	37184	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010017	1_+_94312436_94312457	CGGCTCTGGGTCTGTGGGGAGC	37185	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010018	1_+_94312436_94312458	CGGCTCTGGGTCTGTGGGGAGCG	37186	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010019	1_+_94312436_94312459	CGGCTCTGGGTCTGTGGGGAGCGA	37187	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010020	1_+_94312436_94312460	CGGCTCTGGGTCTGTGGGGAGCGA A	37188	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010021	1_+_94312436_94312461	CGGCTCTGGGTCTGTGGGGAGCGA AA	37189	hsa-miR-760;Derives_from=MI0005567
NovelMiR_KnownLoci_ID0010022	19_+_4445984_4446001	CCGGTCCCAGGAGAACCT	37190	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010023	19_+_4445984_4446002	CCGGTCCCAGGAGAACCTG	37191	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010024	19_+_4445984_4446003	CCGGTCCCAGGAGAACCTGC	37192	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010025	19_+_4445984_4446004	CCGGTCCCAGGAGAACCTGCA	37193	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010026	19_+_4445984_4446005	CCGGTCCCAGGAGAACCTGCAG	37194	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010027	19_+_4445984_4446007	CCGGTCCCAGGAGAACCTGCAGAG	37195	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010028	19_+_4445984_4446008	CCGGTCCCAGGAGAACCTGCAGAG G	37196	hsa-miR-4746-5p;Derives_from=MI0017385

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010029	19_+_4445985_4446007	CGGTCCCAGGAGAACCTGCAGAG	37197	hsa-miR-4746-5p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010030	19_+_4446018_4446039	AGCGGTGCTCCTGCGGGCCGAC	37198	hsa-miR-4746-3p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010031	19_+_4446018_4446040	AGCGGTGCTCCTGCGGGCCGACA	37199	hsa-miR-4746-3p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010032	19_+_4446018_4446041	AGCGGTGCTCCTGCGGGCCGACAC	37200	hsa-miR-4746-3p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010033	19_+_4446018_4446042	AGCGGTGCTCCTGCGGGCCGACACT	37201	hsa-miR-4746-3p;Derives_from=MI0017385
NovelMiR_KnownLoci_ID0010034	19_+_45261918_45261935	GAGGGATGGGAGAGAGGA	37202	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010035	19_+_45261918_45261936	GAGGGATGGGAGAGAGGAC	37203	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010036	19_+_45261918_45261937	CAGGGATGGGAGAGAGGACT	37204	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010037	19_+_45261918_45261939	GAGGGATGGGAGAGAGGACTGT	37205	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010038	19_+_45261918_45261941	GAGGGATGGGAGAGAGGACTGTGA	37206	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010039	19_+_45261918_45261942	GAGGGATGGGAGAGAGGACTGTGAG	37207	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010040	19_+_45261923_45261947	ATGGGAGAGAGGACTGTGAGGCATG	37208	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010041	19_+_45261927_45261947	GAGAGAGGACTGTGAGGCATG	37209	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010042	19_+_45261931_45261950	GAGGACTGTGAGGCATGGGT	37210	hsa-miR-8085;Derives_from=MI0025921
NovelMiR_KnownLoci_ID0010043	19_+_45939917_45939933	TGAAGCGGGGGGGCGGG	37211	hsa-miR-6088;Derives_from=MI0020365
NovelMiR_KnownLoci_ID0010044	19_-_46142264_46142288	CAAAGCACACGGCCTGCAGAGAGGC	37212	hsa-miR-330-3p;Derives_from=MI0000803

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010045	19_-_46142265_46142287	AAAGCACACGGCCTGCAGAGAGG	37213	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010046	19_-_46142265_46142288	CAAAGCACACGGCCTGCAGAGAGG	37214	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010047	19_-_46142265_46142289	GCAAAGCACACGGCCTGCAGAGAGG	37215	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010048	19_-_46142266_46142287	AAAGCACACGGCCTGCAGAGAG	37216	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010049	19_-_46142266_46142288	CAAAGCACACGGCCTGCAGAGAG	37217	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010050	19_-_46142266_46142289	GCAAAGCACACGGCCTGCAGAGAG	37218	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010051	19_-_46142267_46142287	AAAGCACACGGCCTGCAGAGA	37219	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010052	19_-_46142267_46142288	CAAAGCACACGGCCTGCAGAGA	37220	hsa-miR-330-3p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010053	19_-_46142302_46142328	TCTCTGGGCCTGTGTCTTAGGCTCTGC	37221	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010054	19_-_46142303_46142328	TCTCTGGGCCTGTGTCTTAGGCTCTG	37222	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010055	19_-_46142304_46142328	TCTCTGGGCCTGTGTCTTAGGCTCT	37223	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010056	19_-_46142305_46142324	TGGGCCTGTGTCTTAGGCTC	37224	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010057	19_-_46142305_46142326	TCTGGGCCTGTGTCTTAGGCTC	37225	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010058	19_-_46142305_46142328	TCTCTGGGCCTGTGTCTTAGGCTC	37226	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010059	19_-_46142306_46142328	TCTCTGGGCCTGTGTCTTAGGCT	37227	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010060	19_-_46142308_46142328	TCTCTGGGCCTGTGTCTTAGG	37228	hsa-miR-330-5p;Derives_from=MI0000803

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010061	19_-_46142309_46142328	TCTCTGGGCCTGTGTCTTAG	37229	hsa-miR-330-5p;Derives_from=MI0000803
NovelMiR_KnownLoci_ID0010062	19_-_46178193_46178208	AGAGGGACCCTCCCAA	37230	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010063	19_-_46178196_46178218	ACACATTTGGAGAGGGACCCTCC	37231	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010064	19_-_46178197_46178220	AGACACATTTGGAGAGGGACCCTC	37232	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010065	19_-_46178198_46178219	GACACATTTGGAGAGGGACCCT	37233	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010066	19_-_46178198_46178220	AGACACATTTGGAGAGGGACCCT	37234	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010067	19_-_46178199_46178215	CATTTGGAGAGGGACCC	37235	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010068	19_-_46178199_46178219	GACACATTTGGAGAGGGACCC	37236	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010069	19_-_46178200_46178220	AGACACATTTGGAGAGGGACC	37237	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010070	19_+_46178201_46178217	GTCCCTCTCCAAATGTG	37238	hsa-miR-642a-5p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010071	19_-_46178201_46178220	AGACACATTTGGAGAGGGAC	37239	hsa-miR-642b-3p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010072	19_+_46178201_46178220	GTCCCTCTCCAAATGTGTCT	37240	hsa-miR-642a-5p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010073	19_+_46178201_46178221	GTCCCTCTCCAAATGTGTCTT	37241	hsa-miR-642a-5p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010074	19_+_46178201_46178223	GTCCCTCTCCAAATGTGTCTTGG	37242	hsa-miR-642a-5p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010075	19_-_46178230_46178255	TTCCCTCTCCAAATGTGTCTTGATCC	37243	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010076	19_-_46178231_46178250	TCTCCAAATGTGTCTTGATC	37244	hsa-miR-642b-5p;Derives_from=MI0016685

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010077	19_-_46178231_46178251	CTCTCCAAATGTGTCTTGATC	37245	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010078	19_-_46178231_46178252	CCTCTCCAAATGTGTCTTGATC	37246	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010079	19_-_46178231_46178255	TTCCCTCTCCAAATGTGTCTTGATC	37247	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010080	19_-_46178232_46178255	TTCCCTCTCCAAATGTGTCTTGAT	37248	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010081	19_-_46178233_46178253	CCCTCTCCAAATGTGTCTTGA	37249	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010082	19_-_46178233_46178254	TCCCTCTCCAAATGTGTCTTGA	37250	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010083	19_-_46178233_46178255	TTCCCTCTCCAAATGTGTCTTGA	37251	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010084	19_-_46178234_46178255	TTCCCTCTCCAAATGTGTCTTG	37252	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010085	19_+_46178235_46178255	AAGACACATTTGGAGAGGGAA	37253	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010086	19_+_46178235_46178256	AAGACACATTTGGAGAGGGAAC	37254	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010087	19_-_46178236_46178255	TTCCCTCTCCAAATGTGTCT	37255	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010088	19_+_46178236_46178255	AGACACATTTGGAGAGGGAA	37256	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010089	19_+_46178236_46178256	AGACACATTTGGAGAGGGAAC	37257	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010090	19_+_46178236_46178258	AGACACATTTGGAGAGGGAACCT	37258	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010091	19_+_46178236_46178259	AGACACATTTGGAGAGGGAACCTC	37259	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010092	19_+_46178236_46178261	AGACACATTTGGAGAGGGAACCTCCC	37260	hsa-miR-642a-3p;Derives_from=MI0003657

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010093	19_+_46178236_46178262	AGACACATTTGGAGAGGGAACCTCCCA	37261	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010094	19_+_46178237_46178256	GACACATTTGGAGAGGGAAC	37262	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010095	19_+_46178237_46178257	GACACATTTGGAGAGGGAACC	37263	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010096	19_-_46178237_46178258	AGGTTCCCTCTCCAAATGTGTC	37264	hsa-miR-642b-5p;Derives_from=MI0016685
NovelMiR_KnownLoci_ID0010097	19_+_46178237_46178259	GACACATTTGGAGAGGGAACCTC	37265	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010098	19_+_46178238_46178259	ACACATTTGGAGAGGGAACCTC	37266	hsa-miR-642a-3p;Derives_from=MI0003657
NovelMiR_KnownLoci_ID0010099	19_+_46522219_46522237	TGAGACCTCTGGGTTCTGA	37267	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010100	19_+_46522219_46522238	TGAGACCTCTGGGTTCTGAG	37268	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010101	19_+_46522219_46522239	TGAGACCTCTGGGTTCTGAGC	37269	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010102	19_+_46522219_46522241	TGAGACCTCTGGGTTCTGAGCTG	37270	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010103	19_+_46522219_46522242	TGAGACCTCTGGGTTCTGAGCTGT	37271	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010104	19_+_46522219_46522243	TGAGACCTCTGGGTTCTGAGCTGTG	37272	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010105	19_+_46522219_46522244	TGAGACCTCTGGGTTCTGAGCTGTGA	37273	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010106	19_+_46522219_46522246	TGAGACCTCTGGGTTCTGAGCTGTGATG	37274	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010107	19_+_46522220_46522240	GAGACCTCTGGGTTCTGAGCT	37275	hsa-miR-769-5p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010108	19_+_46522258_46522273	CTGGGATCTCCGGGGT	37276	hsa-miR-769-3p;Derives_from=MI0003834

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010109	19_+_46522258_46522274	CTGGGATCTCCGGGGTC	37277	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010110	19_+_46522258_46522277	CTGGGATCTCCGGGGTCTTG	37278	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010111	19_+_46522258_46522278	CTGGGATCTCCGGGGTCTTGG	37279	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010112	19_+_46522258_46522279	CTGGGATCTCCGGGGTCTTGGT	37280	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010113	19_+_46522258_46522281	CTGGGATCTCCGGGGTCTTGGTTC	37281	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010114	19_+_46522259_46522278	TGGGATCTCCGGGGTCTTGG	37282	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010115	19_+_46522259_46522279	TGGGATCTCCGGGGTCTTGGT	37283	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010116	19_+_46522259_46522280	TGGGATCTCCGGGGTCTTGGTT	37284	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010117	19_+_46522259_46522281	TGGGATCTCCGGGGTCTTGGTTC	37285	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010118	19_+_46522260_46522281	GGGATCTCCGGGGTCTTGGTTC	37286	hsa-miR-769-3p;Derives_from=MI0003834
NovelMiR_KnownLoci_ID0010119	19_-_47212545_47212569	AAAAGCTGGGTTGAGAAGGTGAAAA	37287	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010120	19_-_47212546_47212568	AAAGCTGGGTTGAGAAGGTGAAA	37288	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010121	19_-_47212546_47212569	AAAAGCTGGGTTGAGAAGGTGAAA	37289	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010122	19_-_47212547_47212568	AAAGCTGGGTTGAGAAGGTGAA	37290	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010123	19_-_47212547_47212569	AAAAGCTGGGTTGAGAAGGTGAA	37291	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010124	19_-_47212548_47212566	AGCTGGGTTGAGAAGGTGA	37292	hsa-miR-320e;Derives_from=MI0014234

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010125	19_-_47212548_47212568	AAAGCTGGGTTGAGAAGGTGA	37293	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010126	19_-_47212548_47212569	AAAAGCTGGGTTGAGAAGGTGA	37294	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010127	19_-_47212548_47212570	GAAAAGCTGGGTTGAGAAGGTGA	37295	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010128	19_-_47212549_47212569	AAAAGCTGGGTTGAGAAGGTG	37296	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010129	19_-_47212550_47212569	AAAAGCTGGGTTGAGAAGGT	37297	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010130	19_-_47212551_47212569	AAAAGCTGGGTTGAGAAGG	37298	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010131	19_-_47212552_47212569	AAAAGCTGGGTTGAGAAG	37299	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010132	19_-_47212552_47212570	GAAAAGCTGGGTTGAGAAG	37300	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010133	19_-_47212553_47212569	AAAAGCTGGGTTGAGAA	37301	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010134	19_-_47212553_47212570	GAAAAGCTGGGTTGAGAA	37302	hsa-miR-320e;Derives_from=MI0014234
NovelMiR_KnownLoci_ID0010135	19_+_4770706_4770728	GCTGTGTGGAAGACTAGTGATTT	37303	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010136	19_+_4770712_4770736	TGGAAGACTAGTGATTTTGTTGTT C	37304	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010137	19_+_4770712_4770737	TGGAAGACTAGTGATTTTGTTGTT CT	37305	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010138	19_+_4770712_4770738	TGGAAGACTAGTGATTTTGTTGTT CTG	37306	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010139	19_+_4770712_4770739	TGGAAGACTAGTGATTTTGTTGTT CTGA	37307	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010140	19_+_4770713_4770736	GGAAGACTAGTGATTTTGTTGTTC	37308	hsa-miR-7-5p;Derives_from=MI0000265

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010141	19_+_4770713_4770739	GGAAGACTAGTGATTTTGTTGTTC TGA	37309	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010142	19_+_4770714_4770736	GAAGACTAGTGATTTTGTTGTTC	37310	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010143	19_+_4770715_4770739	AAGACTAGTGATTTTGTTGTTCTG A	37311	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010144	19_+_4770716_4770736	AGACTAGTGATTTTGTTGTTC	37312	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010145	19_+_4770716_4770740	AGACTAGTGATTTTGTTGTTCTGA T	37313	hsa-miR-7-5p;Derives_from=MI0000265
NovelMiR_KnownLoci_ID0010146	19_-_47730203_47730219	TGGCCAGACAGGTGACC	37314	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010147	19_-_47730203_47730220	CTGGCCAGACAGGTGACC	37315	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010148	19_-_47730203_47730221	GCTGGCCAGACACGTGACC	37316	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010149	19_-_47730205_47730226	ACGTAGCTGGCCAGACAGGTGA	37317	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010150	19_+_47730206_47730221	CACCTGTCTGGCCAGC	37318	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010151	19_+_47730206_47730222	CACCTGTCTGGCCAGCT	37319	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010152	19_+_47730206_47730223	CACCTGTCTGGCCAGCTA	37320	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010153	19_+_47730206_47730227	CACCTGTCTGGCCAGCTACGTC	37321	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010154	19_+_47730206_47730229	CACCTGTCTGGCCAGCTACGTCCC	37322	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010155	19_+_47730206_47730230	CACCTGTCTGGCCAGCTACGTCCC C	37323	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010156	19_+_47730207_47730225	ACCTGTCTGGCCAGCTACG	37324	hsa-miR-3190-5p;Derives_from=MI0014235

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010157	19_-_47730207_47730231	TGGGGACGTAGCTGGCCAGACAGG T	37325	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010158	19_-_47730208_47730231	TGGGGACGTAGCTGGCCAGACAGG	37326	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010159	19_-_47730210_47730231	TGGGGACGTAGCTGGCCAGACA	37327	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010160	19_+_47730210_47730232	TGTCTGGCCAGCTACGTCCCCAC	37328	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010161	19_+_47730210_47730233	TGTCTGGCCAGCTACGTCCCCACG	37329	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010162	19_+_47730211_47730228	GTCTGGCCAGCTACGTCC	37330	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010163	19_-_47730211_47730231	TGGGGACGTAGCTGGCCAGAC	37331	hsa-miR-3191-3p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010164	19_+_47730211_47730233	GTCTGGCCAGCTACGTCCCCACG	37332	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010165	19_+_47730212_47730233	TCTGGCCAGCTACGTCCCCACG	37333	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010166	19_+_47730219_47730237	AGCTACGTCCCCACGGCCC	37334	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010167	19_+_47730221_47730237	CTACGTCCCCACGGCCC	37335	hsa-miR-3190-5p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010168	19_-_47730241_47730263	TGGCCGTCTACCTTCCACACTGA	37336	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010169	19_-_47730243_47730265	TCTGGCCGTCTACCTTCCACACT	37337	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010170	19_+_47730243_47730265	AGTGTGGAAGGTAGACGGCCAGA	37338	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010171	19_-_47730243_47730266	CTCTGGCCGTCTACCTTCCACACT	37339	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010172	19_-_47730245_47730263	TGGCCGTCTACCTTCCACA	37340	hsa-miR-3191-5p;Derives_from=MI0014236

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010173	19_+_47730245_47730264	TGTGGAAGGTAGACGGCCAG	37341	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010174	19_-_47730245_47730265	TCTGGCCGTCTACCTTCCACA	37342	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010175	19_+_47730245_47730265	TGTGGAAGGTAGACGGCCAGA	37343	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010176	19_-_47730245_47730266	CTCTGGCCGTCTACCTTCCACA	37344	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010177	19_-_47730245_47730267	TCTCTGGCCGTCTACCTTCCACA	37345	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010178	19_+_47730246_47730266	GTGGAAGGTAGACGGCCAGAG	37346	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010179	19_-_47730246_47730267	TCTCTGGCCGTCTACCTTCCAC	37347	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010180	19_+_47730246_47730267	GTGGAAGGTAGACGGCCAGAGA	37348	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010181	19_+_47730246_47730268	GTGGAAGGTAGACGGCCAGAGAG	37349	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010182	19_+_47730247_47730262	TGGAAGGTAGACGGCC	37350	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010183	19_+_47730247_47730263	TGGAAGGTAGACGGCCA	37351	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010184	19_+_47730247_47730264	TGGAAGGTAGACGGCCAG	37352	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010185	19_-_47730247_47730266	CTCTGGCCGTCTACCTTCCA	37353	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010186	19_-_47730247_47730267	TCTCTGGCCGTCTACCTTCCA	37354	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010187	19_+_47730247_47730267	TGGAAGGTAGACGGCCAGAGA	37355	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010188	19_+_47730247_47730268	TGGAAGGTAGACGGCCAGAGAG	37356	hsa-miR-3190-3p;Derives_from=MI0014235

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010189	19_+_47730247_47730269	TGGAAGGTAGACGGCCAGAGAGG	37357	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010190	19_+_47730247_47730270	TGGAAGGTAGACGGCCAGAGAGGT	37358	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010191	19_+_47730250_47730272	AAGGTAGACGGCCAGAGAGGTGA	37359	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010192	19_-_47730251_47730274	GGTCACCTCTCTGGCCGTCTACCT	37360	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010193	19_-_47730255_47730274	GGTCACCTCTCTGGCCGTCT	37361	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010194	19_+_47730256_47730272	GACGGCCAGAGAGGTGA	37362	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010195	19_+_47730256_47730273	GACGGCCAGAGAGGTGAC	37363	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010196	19_-_47730256_47730274	GGTCACCTCTCTGGCCGTC	37364	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010197	19_+_47730257_47730273	ACGGCCAGAGAGGTGAC	37365	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010198	19_+_47730258_47730273	CGGCCAGAGAGGTGAC	37366	hsa-miR-3190-3p;Derives_from=MI0014235
NovelMiR_KnownLoci_ID0010199	19_-_47730259_47730274	GGTCACCTCTCTGCCC	37367	hsa-miR-3191-5p;Derives_from=MI0014236
NovelMiR_KnownLoci_ID0010200	19_+_4932697_4932715	TGAGGGAAGGAGGCTTGGT	37368	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010201	19_+_4932697_4932716	TGAGGGAAGGAGGCTTGGTC	37369	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010202	19_+_4932697_4932717	TGAGGGAAGGAGGCTTGGTCT	37370	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010203	19_+_4932697_4932721	TGAGGGAAGGAGGCTTGGTCTTAGC	37371	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010204	19_+_4932698_4932720	GAGGGAAGGAGGCTTGGTCTTAG	37372	hsa-miR-4747-5p;Derives_from=MI0017386

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010205	19_+_4932698_4932721	GAGGGAAGGAGGCTTGGTCTTTAGC	37373	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010206	19_+_4932699_4932717	AGGGAAGGAGGCTTGGTCT	37374	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010207	19_+_4932699_4932718	AGGGAAGGAGGCTTGGTCTT	37375	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010208	19_+_4932699_4932719	AGGGAAGGAGGCTTGGTCTTA	37376	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010209	19_+_4932699_4932721	AGGGAAGGAGGCTTGGTCTTAGC	37377	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010210	19_+_4932699_4932722	AGGGAAGGAGGCTTGGTCTTAGCA	37378	hsa-miR-4747-5p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010211	19_+_4932731_4932750	AAGGCCCGGGCTTTCCTCCC	37379	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010212	19_+_4932731_4932753	AAGGCCCGGGCTTTCCTCCCAGC	37380	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010213	19_+_4932731_4932754	AAGGCCCGGGCTTTCCTCCCAGCT	37381	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010214	19_+_4932732_4932752	AGGCCCGGGCTTTCCTCCCAG	37382	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010215	19_+_4932732_4932753	AGGCCCGGGCTTTCCTCCCAGC	37383	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010216	19_+_4932733_4932755	GGCCCGGGCTTTCCTCCCAGCTA	37384	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010217	19_+_4932740_4932758	GCTTTCCTCCCAGCTACCC	37385	hsa-miR-4747-3p;Derives_from=MI0017386
NovelMiR_KnownLoci_ID0010218	19_+_49513166_49513189	AGCCAGGGGGATGGGCGAGCTTGG	37386	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010219	19_+_49513167_49513185	GCCAGGGGGATGGGCGAGC	37387	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010220	19_+_49513167_49513188	GCCAGGGGGATGGGCGAGCTTG	37388	hsa-miR-6798-5p;Derives_from=MI0022643

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010221	19_+_49513167_49513189	GCCAGGGGGATGGGCGAGCTTGG	37389	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010222	19_+_49513167_49513191	GCCAGGGGGATGGGCGAGCTTGGGC	37390	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010223	19_+_49513168_49513191	CCAGGGGGATGGGCGAGCTTGGGC	37391	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010224	19_+_49513168_49513192	CCAGGGGGATGGGCGAGCTTGGGCC	37392	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010225	19_+_49513169_49513188	CAGGGGGATGGGCGAGCTTG	37393	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010226	19_+_49513169_49513192	CAGGGGGATGGGCGAGCTTGGGCC	37394	hsa-miR-6798-5p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010227	19_+_49513208_49513227	CCTACCCCCCATCCCCCTGT	37395	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010228	19_+_49513208_49513229	CCTACCCCCCATCCCCCTGTAG	37396	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010229	19_+_49513208_49513230	CCTACCCCCCATCCCCCTGTAGG	37397	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010230	19_+_49513209_49513226	CTACCCCCCATCCCCCTG	37398	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010231	19_+_49513209_49513227	CTACCCCCCATCCCCCTGT	37399	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010232	19_+_49513209_49513230	CTACCCCCCATCCCCCTGTAGG	37400	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010233	19_+_49513209_49513231	CTACCCCCCATCCCCCTGTAGGG	37401	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010234	19_+_49513210_49513230	TACCCCCCATCCCCCTGTAGG	37402	hsa-miR-6798-3p;Derives_from=MI0022643
NovelMiR_KnownLoci_ID0010235	19_-_49812060_49812084	ACCCTGAGACCCTAACCTTAAAGGT	37403	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010236	19_-_49812062_49812083	CCCTGAGACCCTAACCTTAAAG	37404	hsa-miR-4324;Derives_from=MI0015854

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010237	19_-_49812063_49812084	ACCCTGAGACCCTAACCTTAAA	37405	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010238	19_-_49812064_49812084	ACCCTGAGACCCTAACCTTAA	37406	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010239	19_-_49812065_49812084	ACCCTGAGACCCTAACCTTA	37407	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010240	19_-_49812066_49812084	ACCCTGAGACCCTAACCTT	37408	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010241	19_-_49812068_49812089	TTAAAACCCTGAGACCCTAACC	37409	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010242	19_-_49812069_49812089	TTAAAACCCTGAGACCCTAAC	37410	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010243	19_-_49812072_49812089	TTAAAACCCTGAGACCCT	37411	hsa-miR-4324;Derives_from=MI0015854
NovelMiR_KnownLoci_ID0010244	19_-_50004051_50004075	CTGGTACAGGCCTGGGGGACAGGG A	37412	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010245	19_-_50004052_50004071	TACAGGCCTGGGGGACAGGG	37413	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010246	19_-_50004052_50004074	TGGTACAGGCCTGGGGGACAGGG	37414	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010247	19_-_50004052_50004075	CTGGTACAGGCCTGGGGGACAGGG	37415	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010248	19_-_50004053_50004075	CTGGTACAGGCCTGGGGGACAGG	37416	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010249	19_-_50004053_50004076	CCTGGTACAGGCCTGGGGGACAGG	37417	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010250	19_-_50004054_50004073	GGTACAGGCCTGGGGGACAG	37418	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010251	19_-_50004054_50004074	TGGTACAGGCCTGGGGGACAG	37419	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010252	19_-_50004054_50004076	CCTGGTACAGGCCTGGGGGACAG	37420	hsa-miR-150-3p;Derives_from=MI0000479

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010253	19_-_50004055_50004075	CTGGTACAGGCCTGGGGGACA	37421	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010254	19_-_50004055_50004076	CCTGGTACAGGCCTGGGGGACA	37422	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010255	19_-_50004056_50004075	CTGGTACAGGCCTGGGGGAC	37423	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010256	19_-_50004057_50004074	TGGTACAGGCCTGGGGGA	37424	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010257	19_-_50004057_50004075	CTGGTACAGGCCTGGGGGA	37425	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010258	19_-_50004058_50004075	CTGGTACAGGCCTGGGGG	37426	hsa-miR-150-3p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010259	19_-_50004087_50004110	TCTCCCAACCCTTGTACCAGTGCT	37427	hsa-miR-150-5p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010260	19_-_50004088_50004109	CTCCCAACCCTTGTACCAGTGC	37428	hsa-miR-150-5p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010261	19_-_50004088_50004110	TCTCCCAACCCTTGTACCAGTGC	37429	hsa-miR-150-5p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010262	19_-_50004090_50004110	TCTCCCAACCCTTGTACCAGT	37430	hsa-miR-150-5p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010263	19_-_50004091_50004110	TCTCCCAACCCTTGTACCAG	37431	hsa-miR-150-5p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010264	19_-_50004092_50004110	TCTCCCAACCCTTGTACCA	37432	hsa-miR-150-5p;Derives_from=MI0000479
NovelMiR_KnownLoci_ID0010265	19_+_50185424_50185450	CTCACCCTCCCTTCTTCCTGGGCC CTC	37433	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010265	19_+_50185424_50185450	CTCACCCTCCCTTCTTCCTGGGCC CTC	37434	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010266	19_+_50185425_50185450	TCACCCTCCCTTCTTCCTGGGCCC TC	37435	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010266	19_+_50185425_50185450	TCACCCTCCCTTCTTCCTGGGCCC TC	37436	hsa-miR-5088-5p;Derives_from=MI0017977

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010267	19_+_50185430_50185449	CTCCCTTCTTCCTGGGCCCT	37437	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010267	19_+_50185430_50185449	CTCCCTTCTTCCTGGGCCCT	37438	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010268	19_+_50185430_50185451	CTCCCTTCTTCCTGGGCCCTCA	37439	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010268	19_+_50185430_50185451	CTCCCTTCTTCCTGGGCCCTCA	37440	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010269	19_+_50185430_50185452	CTCCCTTCTTCCTGGGCCCTCAG	37441	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010269	19_+_50185430_50185452	CTCCCTTCTTCCTGGGCCCTCAG	37442	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010270	19_+_50185431_50185450	TCCCTTCTTCCTGGGCCCTC	37443	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010270	19_+_50185431_50185450	TCCCTTCTTCCTGGGCCCTC	37444	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010271	19_+_50185431_50185451	TCCCTTCTTCCTGGGCCCTCA	37445	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010271	19_+_50185431_50185451	TCCCTTCTTCCTGGGCCCTCA	37446	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010272	19_+_50185431_50185452	TCCCTTCTTCCTGGGCCCTCAG	37447	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010272	19_+_50185431_50185452	TCCCTTCTTCCTGGGCCCTCAG	37448	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010273	19_+_50185431_50185453	TCCCTTCTTCCTGGGCCCTCAGA	37449	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010273	19_+_50185431_50185453	TCCCTTCTTCCTGGGCCCTCAGA	37450	hsa-miR-5088-5p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010274	19_+_50185431_50185454	TCCCTTCTTCCTGGGCCCTCAGAT	37451	hsa-miR-5088-3p;Derives_from=MI0017977
NovelMiR_KnownLoci_ID0010274	19_+_50185431_50185454	TCCCTTCTTCCTGGGCCCTCAGAT	37452	hsa-miR-5088-5p;Derives_from=MI0017977

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010275	19_+_50295124_50295147	AGGAGGGGAGGTGTGCAGGGCTGG	37453	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010276	19_+_50295126_50295147	GAGGGGAGGTGTGCAGGGCTGG	37454	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010277	19_+_50295126_50295149	GAGGGGAGGTGTGCAGGGCTGGGG	37455	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010278	19_+_50295126_50295150	GAGGGGAGGTGTGCAGGGCTGGGG T	37456	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010279	19_+_50295127_50295146	AGGGGAGGTGTGCAGGGCTG	37457	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010280	19_+_50295127_50295147	AGGGGAGGTGTGCAGGGCTGG	37458	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010281	19_+_50295127_50295148	AGGGGAGGTGTGCAGGGCTGGG	37459	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010282	19_+_50295127_50295149	AGGGGAGGTGTGCAGGGCTGGGG	37460	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010283	19_+_50295128_50295146	GGGGAGGTGTGCAGGGCTG	37461	hsa-miR-6799-5p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010284	19_+_50295163_50295181	TTCCCCTGCCCTGCATGGT	37462	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010285	19_+_50295167_50295188	CCTGCCCTGCATGGTGTCCCCA	37463	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010286	19_+_50295169_50295187	TGCCCTGCATGGTGTCCCC	37464	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010287	19_+_50295169_50295188	TGCCCTGCATGGTGTCCCCA	37465	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010288	19_+_50295169_50295189	TGCCCTGCATGGTGTCCCCAC	37466	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010289	19_+_50295169_50295190	TGCCCTGCATGGTGTCCCCACA	37467	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010290	19_+_50295169_50295192	TGCCCTGCATGGTGTCCCCACAGG	37468	hsa-miR-6799-3p;Derives_from=MI0022644

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010291	19_+_50295169_50295193	TGCCCTGCATGGTGTCCCCACAGG G	37469	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010292	19_+_50295169_50295194	TGCCCTGCATGGTGTCCCCACAGG GA	37470	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010293	19_+_50295170_50295192	GCCCTGCATGGTGTCCCCACAGG	37471	hsa-miR-6799-3p;Derives_from=MI0022644
NovelMiR_KnownLoci_ID0010294	19_+_50335273_50335288	GAACCTGTAGGTGACA	37472	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010295	19_+_50335279_50335295	GTAGGTGACAGTCAGGG	37473	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010296	19_+_50335279_50335298	GTAGGTGACAGTCAGGGGCG	37474	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010297	19_+_50335279_50335300	GTAGGTGACAGTCAGGGGCGGG	37475	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010298	19_+_50335279_50335301	GTAGGTGACAGTCAGGGGCGGGG	37476	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010299	19_+_50335279_50335302	GTAGGTGACAGTCAGGGGCGGGGT	37477	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010300	19_+_50335279_50335303	GTAGGTGACAGTCAGGGGCGGGGT G	37478	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010301	19_+_50335279_50335304	GTAGGTGACAGTCAGGGGCGGGGT GT	37479	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010302	19_+_50335280_50335300	TAGGTGACAGTCAGGGGCGGG	37480	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010303	19_+_50335280_50335302	TAGGTGACAGTCAGGGGCGGGGT	37481	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010304	19_+_50335280_50335303	TAGGTGACAGTCAGGGGCGGGGTG	37482	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010305	19_+_50335280_50335305	TAGGTGACAGTCAGGGGCGGGGTG TG	37483	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010306	19_+_50335281_50335297	AGGTGACAGTCAGGGGC	37484	hsa-miR-6800-5p;Derives_from=MI0022645

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010307	19_+_50335281_50335298	AGGTGACAGTCAGGGGCG	37485	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010308	19_+_50335290_50335305	TCAGGGGCGGGGTGTG	37486	hsa-miR-6800-5p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010309	19_+_50335327_50335344	TCCTCACACCTCTCCTGG	37487	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010310	19_+_50335327_50335346	TCCTCACACCTCTCCTGGCA	37488	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010311	19_+_50335327_50335347	TCCTCACACCTCTCCTGGCAT	37489	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010312	19_+_50335327_50335348	TCCTCACACCTCTCCTGGCATC	37490	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010313	19_+_50335327_50335349	TCCTCACACCTCTCCTGGCATCG	37491	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010314	19_+_50335327_50335351	TCCTCACACCTCTCCTGGCATCGC	37492	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010315	19_+_50335333_50335354	CACCTCTCCTGGCATCGCCCCC	37493	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010316	19_+_50335333_50335356	CACCTCTCCTGGCATCGCCCCCAG	37494	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010317	19_+_50335333_50335357	CACCTCTCCTGGCATCGCCCCCAG	37495	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010318	19_+_50335334_50335355	ACCTCTCCTGGCATCGCCCCCA	37496	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010319	19_+_50335335_50335354	CCTCTCCTGGCATCGCCCCC	37497	hsa-miR-6800-3p;Derives_from=MI0022645
NovelMiR_KnownLoci_ID0010320	19_+_50357846_50357868	TCCCTGCGGGGACAGGCCAGGGC	37498	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010321	19_+_50357846_50357871	TCCCTGCGGGGACAGGCCAGGGCA TC	37499	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010322	19_+_50357847_50357869	CCCTGCGGGGACAGGCCAGGGCA	37500	hsa-miR-4749-5p;Derives_from=MI0017388

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010323	19_+_50357847_50357870	CCCTGCGGGGACAGGCCAGGGCAT	37501	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010324	19_+_50357849_50357871	CTGCGGGGACAGGCCAGGGCATC	37502	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010325	19_+_50357850_50357867	TGCGGGGACAGGCCAGGG	37503	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010326	19_+_50357850_50357870	TGCGGGGACAGGCCAGGGCAT	37504	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010327	19_+_50357850_50357872	TGCGGGGACAGGCCAGGGCATCT	37505	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010328	19_+_50357852_50357872	CGGGGACAGGCCAGGGCATCT	37506	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010329	19_+_50357852_50357873	CGGGGACAGGCCAGGGCATCTA	37507	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010330	19_+_50357862_50357877	CCAGGGCATCTAGGCT	37508	hsa-miR-4749-5p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010331	19_+_50357886_50357904	TGACGCCCCTCCTGCCCCC	37509	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010332	19_+_50357888_50357910	ACGCCCCTCCTGCCCCCCACAGAA	37510	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010333	19_+_50357889_50357905	CGCCCCTCCTGCCCCCA	37511	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010334	19_+_50357889_50357907	CGCCCCTCCTGCCCCCACA	37512	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010335	19_+_50357889_50357909	CGCCCCTCCTGCCCCCACAGA	37513	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010336	19_+_50357889_50357910	CGCCCCTCCTGCCCCCACAGAA	37514	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010337	19_+_50357889_50357911	CGCCCCTCCTGCCCCCACAGAAG	37515	hsa-miR-4749-3p;Derives_from=MI0017388
NovelMiR_KnownLoci_ID0010338	19_+_50391428_50391447	TGGGCGCTCGGGCGGAGGTG	37516	hsa-miR-4750-5p;Derives_from=MI0017389

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010339	19_+_50391428_50391448	TGGGCGCTCGGGCGGAGGTGG	37517	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010340	19_+_50391428_50391449	TGGGCGCTCGGGCGGAGGTGGT	37518	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010341	19_+_50391433_50391453	GCTCGGGCGGAGGTGGTTGAG	37519	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010342	19_+_50391433_50391455	GCTCGGGCGGAGGTGGTTGAGTG	37520	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010343	19_+_50391433_50391456	GCTCGGGCGGAGGTGGTTGAGTGC	37521	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010344	19_+_50391433_50391457	GCTCGGGCGGAGGTGGTTGAGTGCC	37522	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010345	19_+_50391434_50391450	CTCGGGCGGAGGTGGTT	37523	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010346	19_+_50391434_50391452	CTCGGGCGGAGGTGGTTGA	37524	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010347	19_+_50391434_50391456	CTCGGGCGGAGGTGGTTGAGTGC	37525	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010348	19_+_50391434_50391459	CTCGGGCGGAGGTGGTTGAGTGCCGA	37526	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010349	19_+_50391435_50391455	TCGGGCGGAGGTGGTTGAGTG	37527	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010350	19_+_50391435_50391456	TCGGGCGGAGGTGGTTGAGTGC	37528	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010351	19_+_50391435_50391457	TCGGGCGGAGGTGGTTGAGTGCC	37529	hsa-miR-4750-5p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010352	19_+_50391464_50391486	CGCCTGACCCACCCCCTCCCGCA	37530	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010353	19_+_50391465_50391486	GCCTGACCCACCCCCTCCCGCA	37531	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010354	19_+_50391465_50391487	GCCTGACCCACCCCCTCCCGCAG	37532	hsa-miR-4750-3p;Derives_from=MI0017389

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010355	19_+_50391466_50391485	CCTGACCCACCCCCTCCCGC	37533	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010356	19_+_50391466_50391486	CCTGACCCACCCCCTCCCGCA	37534	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010357	19_+_50391466_50391488	CCTGACCCACCCCCTCCCGCAGC	37535	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010358	19_+_50391466_50391489	CCTGACCCACCCCCTCCCGCAGCA	37536	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010359	19_+_50391467_50391487	CTGACCCACCCCCTCCCGCAG	37537	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010360	19_+_50391467_50391488	CTGACCCACCCCCTCCCGCAGC	37538	hsa-miR-4750-3p;Derives_from=MI0017389
NovelMiR_KnownLoci_ID0010361	19_+_50436324_50436339	GGAGCCAGAGGACCCG	37539	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010362	19_+_50436324_50436344	GGAGCCAGAGGACCCGTAGCT	37540	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010363	19_+_50436325_50436352	GAGCCAGAGGACCCGTAGCTGCTA CAAG	37541	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010364	19_+_50436328_50436344	CCAGAGGACCCGTAGCT	37542	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010365	19_+_50436330_50436350	AGAGGACCCGTAGCTGCTAGA	37543	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010366	19_+_50436330_50436351	AGAGGACCCGTAGCTGCTAGAA	37544	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010367	19_+_50436330_50436352	AGAGGACCCGTAGCTGCTAGAAG	37545	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010368	19_+_50436330_50436354	AGAGGACCCGTAGCTGCTAGAAGG G	37546	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010369	19_+_50436331_50436349	GAGGACCCGTAGCTGCTAG	37547	hsa-miR-4751;Derives_from=MI0017390
NovelMiR_KnownLoci_ID0010370	19_+_50436344_50436359	TGCTAGAAGGGCAGGG	37548	hsa-miR-4751;Derives_from=MI0017390

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010371	19_-_51710195_51710216	ATGGCGAGACTGGCATGTACTC	37549	hsa-miR-8074;Derives_from=MI0025910
NovelMiR_KnownLoci_ID0010372	19_-_51710197_51710218	CTATGGCGAGACTGGCATGTAC	37550	hsa-miR-8074;Derives_from=MI0025910
NovelMiR_KnownLoci_ID0010373	19_-_51710198_51710219	CCTATGGCGAGACTGGCATGTA	37551	hsa-miR-8074;Derives_from=MI0025910
NovelMiR_KnownLoci_ID0010374	19_-_51710198_51710220	TCCTATGGCGAGACTGGCATGTA	37552	hsa-miR-8074;Derives_from=MI0025910
NovelMiR_KnownLoci_ID0010375	19_-_51710202_51710217	TATGGCGAGACTGGCA	37553	hsa-miR-8074;Derives_from=MI0025910
NovelMiR_KnownLoci_ID0010376	19_+_52195871_52195886	CACCCGTAGAACCGAC	37554	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010377	19_+_52195871_52195887	CACCCGTAGAACCGACC	37555	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010378	19_+_52195871_52195888	CACCCGTAGAACCGACCT	37556	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010379	19_+_52195871_52195889	CACCCGTAGAACCGACCTT	37557	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010380	19_+_52195871_52195890	CACCCGTAGAACCGACCTTC	37558	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010381	19_+_52195871_52195891	CACCCGTAGAACCGACCTTGC	37559	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010382	19_+_52195871_52195893	CACCCGTAGAACCGACCTTGCGG	37560	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010383	19_+_52195871_52195894	CACCCGTAGAACCGACCTTGCGGG	37561	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010384	19_+_52195872_52195892	ACCCGTAGAACCGACCTTGCG	37562	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010385	19_+_52195872_52195893	ACCCGTAGAACCGACCTTGCGG	37563	hsa-miR-99b-5p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010386	19_+_52195909_52195925	CAAGCTCGTGTCTGTGG	37564	hsa-miR-99b-3p;Derives_from=MI0000746

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010387	19_+_52195909_52195926	CAAGCTCGTGTCTGTGGG	37565	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010388	19_+_52195909_52195927	CAAGCTCGTGTCTGTGGGT	37566	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010389	19_+_52195909_52195928	CAAGCTCGTGTCTGTGGGTC	37567	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010390	19_+_52195909_52195929	CAAGCTCGTGTCTGTGGGTCC	37568	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010391	19_+_52195909_52195931	CAAGCTCGTGTCTGTGGGTCCGT	37569	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010392	19_+_52195909_52195932	CAAGCTCGTGTCTGTGGGTCCGTG	37570	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010393	19_+_52195909_52195933	CAAGCTCGTGTCTGTGGGTCCGTGT	37571	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010394	19_+_52195909_52195934	CAAGCTCGTGTCTGTGGGTCCGTGTC	37572	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010395	19_+_52195910_52195927	AAGCTCGTGTCTGTGGGT	37573	hsa-miR-99b-3p;Derives_from=MI0000746
NovelMiR_KnownLoci_ID0010396	19_+_52196046_52196064	TGAGGTAGGAGGTTGTATA	37574	hsa-let-7e-5p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010397	19_+_52196046_52196065	TGAGGTAGGAGGTTGTATAG	37575	hsa-let-7e-5p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010398	19_+_52196046_52196066	TGAGGTAGGAGGTTGTATAGT	37576	hsa-let-7e-5p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010399	19_+_52196046_52196068	TGAGGTAGGAGGTTGTATAGTTG	37577	hsa-let-7e-5p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010400	19_+_52196046_52196069	TGAGGTAGGAGGTTGTATAGTTGA	37578	hsa-let-7e-5p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010401	19_+_52196046_52196072	TGAGGTAGGAGGTTGTATAGTTGAGGA	37579	hsa-let-7e-5p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010402	19_+_52196086_52196112	GATCACTATACGGCCTCCTAGCTTTCC	37580	hsa-let-7e-3p;Derives_from=MI0000066

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010403	19_+_52196087_52196111	ATCACTATACGGCCTCCTAGCTTTC	37581	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010404	19_+_52196088_52196110	TCACTATACGGCCTCCTAGCTTT	37582	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010405	19_+_52196089_52196111	CACTATACGGCCTCCTAGCTTTC	37583	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010406	19_+_52196091_52196106	CTATACGGCCTCCTAG	37584	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010407	19_+_52196091_52196107	CTATACGGCCTCCTAGC	37585	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010408	19_+_52196091_52196110	CTATACGGCCTCCTAGCTTT	37586	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010409	19_+_52196091_52196111	CTATACGGCCTCCTAGCTTTC	37587	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010410	19_+_52196091_52196113	CTATACGGCCTCCTAGCTTTCCC	37588	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010411	19_+_52196091_52196114	CTATACGGCCTCCTAGCTTTCCCC	37589	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010412	19_+_52196092_52196113	TATACGGCCTCCTAGCTTTCCC	37590	hsa-let-7e-3p;Derives_from=MI0000066
NovelMiR_KnownLoci_ID0010413	19_+_52196521_52196537	TCCCTGAGACCCTTTAA	37591	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010414	19_+_52196521_52196539	TCCCTGAGACCCTTTAACC	37592	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010415	19_+_52196521_52196540	TCCCTGAGACCCTTTAACCT	37593	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010416	19_+_52196521_52196541	TCCCTGAGACCCTTTAACCTG	37594	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010417	19_+_52196521_52196542	TCCCTGAGACCCTTTAACCTGT	37595	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010418	19_+_52196521_52196543	TCCCTGAGACCCTTTAACCTGTG	37596	hsa-miR-125a-5p;Derives_from=MI0000469

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010419	19_+_52196521_52196545	TCCCTGAGACCCTTTAACCTGTGAG	37597	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010420	19_+_52196521_52196547	TCCCTGAGACCCTTTAACCTGTGAGGA	37598	hsa-miR-125a-5p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010421	19_+_52196559_52196575	ACAGGTGAGGTTCTTGG	37599	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010422	19_+_52196559_52196576	ACAGGTGAGGTTCTTGGG	37600	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010423	19_+_52196559_52196577	ACAGGTGAGGTTCTTGGGA	37601	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010424	19_+_52196559_52196578	ACAGGTGAGGTTCTTGGGAG	37602	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010425	19_+_52196559_52196579	ACAGGTGAGGTTCTTGGGAGC	37603	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010426	19_+_52196559_52196581	ACAGGTGAGGTTCTTGGGAGCCT	37604	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010427	19_+_52196559_52196582	ACAGGTGAGGTTCTTGGGAGCCTG	37605	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010428	19_+_52196559_52196583	ACAGGTGAGGTTCTTGGGAGCCTGG	37606	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010429	19_+_52196560_52196579	CAGGTGAGGTTCTTGGGAGC	37607	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010430	19_+_52196560_52196580	CAGGTGAGGTTCTTGGGAGCC	37608	hsa-miR-125a-3p;Derives_from=MI0000469
NovelMiR_KnownLoci_ID0010431	19_+_52725277_52725296	CTGGTCAGAGGCAGCAGGAA	37609	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010432	19_+_52725277_52725297	CTGGTCAGAGGCAGCAGGAAA	37610	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010433	19_+_52725277_52725298	CTGGTCAGAGGCAGCAGGAAAT	37611	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010434	19_+_52725278_52725296	TGGTCAGAGGCAGCAGGAA	37612	hsa-miR-6801-5p;Derives_from=MI0022646

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010435	19_+_52725278_52725297	TGGTCAGAGGCAGCAGGAAA	37613	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010436	19_+_52725278_52725298	TGGTCAGAGGCAGCAGGAAAT	37614	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010437	19_+_52725278_52725299	TGGTCAGAGGCAGCAGGAAATG	37615	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010438	19_+_52725278_52725301	TGGTCAGAGGCAGCAGGAAATGAG	37616	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010439	19_+_52725278_52725302	TGGTCAGAGGCAGCAGGAAATGAGA	37617	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010440	19_+_52725278_52725304	TGGTCAGAGGCAGCAGGAAATGAGAGT	37618	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010441	19_+_52725280_52725303	GTCAGAGGCAGCAGGAAATGAGAG	37619	hsa-miR-6801-5p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010442	19_+_52725325_52725346	TCACCCCTGCCACTCACTGGCC	37620	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010443	19_+_52725325_52725347	TCACCCCTGCCACTCACTGGCCC	37621	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010444	19_+_52725325_52725348	TCACCCCTGCCACTCACTGGCCCC	37622	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010445	19_+_52725325_52725349	TCACCCCTGCCACTCACTGGCCCCC	37623	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010446	19_+_52725325_52725350	TCACCCCTGCCACTCACTGGCCCCCA	37624	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010447	19_+_52725325_52725351	TCACCCCTGCCACTCACTGGCCCCCAG	37625	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010448	19_+_52725326_52725349	CACCCCTGCCACTCACTGGCCCCC	37626	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010449	19_+_52725327_52725345	ACCCCTGCCACTCACTGGC	37627	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010450	19_+_52725327_52725347	ACCCCTGCCACTCACTGGCCC	37628	hsa-miR-6801-3p;Derives_from=MI0022646

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010451	19_+_52725327_52725348	ACCCCTGCCACTCACTGGCCCC	37629	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010452	19_+_52725327_52725349	ACCCCTGCCACTCACTGGCCCCC	37630	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010453	19_+_52725327_52725350	ACCCCTGCCACTCACTGGCCCCCA	37631	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010454	19_+_52725327_52725351	ACCCCTGCCACTCACTGGCCCCCA G	37632	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010455	19_+_52725327_52725352	ACCCCTGCCACTCACTGGCCCCCA GG	37633	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010456	19_+_52725328_52725348	CCCCTGCCACTCACTGGCCCC	37634	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010457	19_+_52725328_52725349	CCCCTGCCACTCACTGGCCCCC	37635	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010458	19_+_52725328_52725350	CCCCTGCCACTCACTGGCCCCCA	37636	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010459	19_+_52725328_52725351	CCCCTGCCACTCACTGGCCCCCAG	37637	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010460	19_+_52725331_52725351	CTGCCACTCACTGGCCCCCAG	37638	hsa-miR-6801-3p;Derives_from=MI0022646
NovelMiR_KnownLoci_ID0010461	19_+_52785107_52785128	GACACTTGTATGCTAGCTCAGG	37639	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010462	19_+_52785108_52785125	ACACTTGTATGCTAGCTC	37640	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010463	19_+_52785108_52785126	ACACTTGTATGCTAGCTCA	37641	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010464	19_+_52785108_52785127	ACACTTGTATGCTAGCTCAG	37642	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010465	19_+_52785108_52785128	ACACTTGTATGCTAGCTCAGG	37643	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010466	19_+_52785108_52785129	ACACTTGTATGCTAGCTCAGGT	37644	hsa-miR-643;Derives_from=MI0003658

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010467	19_+_52785108_52785130	ACACTTGTATGCTAGCTCAGGTA	37645	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010468	19_+_52785108_52785131	ACACTTGTATGCTAGCTCAGGTAG	37646	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010469	19_+_52785108_52785133	ACACTTGTATGCTAGCTCAGGTAGAT	37647	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010470	19_+_52785109_52785128	CACTTGTATGCTAGCTCAGG	37648	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010471	19_+_52785109_52785129	CACTTGTATGCTAGCTCAGGT	37649	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010472	19_+_52785109_52785130	CACTTGTATGCTAGCTCAGGTA	37650	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010473	19_+_52785109_52785131	CACTTGTATGCTAGCTCAGGTAG	37651	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010474	19_+_52785110_52785129	ACTTGTATGCTAGCTCAGGT	37652	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010475	19_+_52785110_52785132	ACTTGTATGCTAGCTCAGGTAGA	37653	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010476	19_+_52785110_52785134	ACTTGTATGCTAGCTCAGGTAGATA	37654	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010477	19_+_52785111_52785136	CTTGTATGCTAGCTCAGGTAGATATT	37655	hsa-miR-643;Derives_from=MI0003658
NovelMiR_KnownLoci_ID0010478	19_+_54175232_54175250	TCAAAACTGAGGGGCATTT	37656	hsa-miR-1323;Derives_from=MI0003786
NovelMiR_KnownLoci_ID0010479	19_+_54175232_54175251	TCAAAACTGAGGGGCATTTT	37657	hsa-miR-1323;Derives_from=MI0003786
NovelMiR_KnownLoci_ID0010480	19_+_54175232_54175252	TCAAAACTGAGGGGCATTTTC	37658	hsa-miR-1323;Derives_from=MI0003786
NovelMiR_KnownLoci_ID0010481	19_+_54175232_54175254	TCAAAACTGAGGGGCATTTTCTG	37659	hsa-miR-1323;Derives_from=MI0003786
NovelMiR_KnownLoci_ID0010482	19_+_54175232_54175255	TCAAAACTGAGGGGCATTTTCTGT	37660	hsa-miR-1323;Derives_from=MI0003786

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010483	19_+_54175234_54175253	AAAACTGAGGGGCATTTTCT	37661	hsa-miR-1323;Derives_from=MI0003786
NovelMiR_KnownLoci_ID0010484	19_+_54175241_54175258	AGGGGCATTTTCTGTGGT	37662	hsa-miR-1323;Derives_from=MI0003786
NovelMiR_KnownLoci_ID0010485	19_+_54177484_54177500	TTTCAAGCCAGGGGGCG	37663	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010486	19_+_54177484_54177503	TTTCAAGCCAGGGGGCGTTT	37664	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010487	19_+_54177484_54177504	TTTCAAGCCAGGGGGCGTTTT	37665	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010488	19_+_54177484_54177505	TTTCAAGCCAGGGGGCGTTTTT	37666	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010489	19_+_54177484_54177507	TTTCAAGCCAGGGGGCGTTTTTCT	37667	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010490	19_+_54177485_54177507	TTCAAGCCAGGGGGCGTTTTTCT	37668	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010491	19_+_54177493_54177509	AGGGGGCGTTTTTCTAT	37669	hsa-miR-498;Derives_from=MI0003142
NovelMiR_KnownLoci_ID0010492	19_+_54179018_54179039	AAAGTGCTTCCTTTTTGAGGGT	37670	hsa-miR-520e;Derives_from=MI0003143
NovelMiR_KnownLoci_ID0010493	19_+_54179018_54179043	AAAGTGCTTCCTTTTTGAGGGTTACT	37671	hsa-miR-520e;Derives_from=MI0003143
NovelMiR_KnownLoci_ID0010494	19_+_54183207_54183227	TTCTCCAAAAGGGAGCACTTT	37672	hsa-miR-519e-5p;Derives_from=MI0003145
NovelMiR_KnownLoci_ID0010495	19_+_54183207_54183229	TTCTCCAAAAGGGAGCACTTTCT	37673	hsa-miR-519e-5p;Derives_from=MI0003145
NovelMiR_KnownLoci_ID0010496	19_+_54183243_54183264	CAAAGTGCCTCCTTTTAGAGTG	37674	hsa-miR-519e-3p;Derives_from=MI0003145
NovelMiR_KnownLoci_ID0010497	19_+_54183243_54183265	CAAAGTGCCTCCTTTTAGAGTGT	37675	hsa-miR-519e-3p;Derives_from=MI0003145
NovelMiR_KnownLoci_ID0010498	19_+_54183244_54183263	AAAGTGCCTCCTTTTAGAGT	37676	hsa-miR-519e-3p;Derives_from=MI0003145

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010499	19_+_54183244_54183267	AAAGTGCCTCCTTTTAGAGTGTTA	37677	hsa-miR-519e-3p;Derives_from=MI0003145
NovelMiR_KnownLoci_ID0010500	19_+_54183245_54183267	AAGTGCCTCCTTTTAGAGTGTTA	37678	hsa-miR-519e-3p;Derives_from=MI0003145
NovelMiR_KnownLoci_ID0010501	19_+_54185466_54185484	CAAGTGCTTCCTTTTAGAG	37679	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010502	19_+_54185466_54185486	CAAGTGCTTCCTTTTAGAGGG	37680	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010503	19_+_54185466_54185487	CAAGTGCTTCCTTTTAGAGGGT	37681	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010504	19_+_54185466_54185488	CAAGTGCTTCCTTTTAGAGGGTT	37682	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010505	19_+_54185466_54185489	CAAGTGCTTCCTTTTAGAGGGTTA	37683	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010506	19_+_54185466_54185491	CAAGTGCTTCCTTTTAGAGGGTTA CC	37684	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010507	19_+_54185466_54185492	CAAGTGCTTCCTTTTAGAGGGTTA CCG	37685	hsa-miR-520f-3p;Derives_from=MI0003146
NovelMiR_KnownLoci_ID0010508	19_+_54189776_54189794	AAAGTGCATCTTTTTAGAG	37686	hsa-miR-519c-3p;Derives_from=MI0003148
NovelMiR_KnownLoci_ID0010509	19_+_54189776_54189795	AAAGTGCATCTTTTTAGAGG	37687	hsa-miR-519c-3p;Derives_from=MI0003148
NovelMiR_KnownLoci_ID0010510	19_+_54189776_54189796	AAAGTGCATCTTTTTAGAGGA	37688	hsa-miR-519c-3p;Derives_from=MI0003148
NovelMiR_KnownLoci_ID0010511	19_+_54189776_54189798	AAAGTGCATCTTTTTAGAGGATT	37689	hsa-miR-519c-3p;Derives_from=MI0003148
NovelMiR_KnownLoci_ID0010512	19_+_54189776_54189800	AAAGTGCATCTTTTTAGAGGATTA C	37690	hsa-miR-519c-3p;Derives_from=MI0003148
NovelMiR_KnownLoci_ID0010513	19_+_54189776_54189802	AAAGTGCATCTTTTTAGAGGATTA CAG	37691	hsa-miR-519c-3p;Derives_from=MI0003148
NovelMiR_KnownLoci_ID0010514	19_+_54194149_54194167	CTCCAGAGGGAAGTACTTT	37692	hsa-miR-520a-5p;Derives_from=MI0003149

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010515	19_+_54194149_54194168	CTCCAGAGGGAAGTACTTTC	37693	hsa-miR-520a-5p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010516	19_+_54194149_54194170	CTCCAGAGGGAAGTACTTTCTG	37694	hsa-miR-520a-5p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010517	19_+_54194186_54194207	GAAACTGCTTCCCTTTGGACTG	37695	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010518	19_+_54194187_54194206	AAAGTGCTTCCCTTTGGACT	37696	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010519	19_+_54194187_54194207	AAAGTGCTTCCCTTTGGACTG	37697	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010520	19_+_54194187_54194209	AAAGTGCTTCCCTTTGGACTGTT	37698	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010521	19_+_54194187_54194210	AAAGTGCTTCCCTTTGGACTGTTT	37699	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010522	19_+_54194187_54194211	AAAGTGCTTCCCTTTGGACTGTTTC	37700	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010523	19_+_54194188_54194206	AAGTCCTTCCCTTTGGACT	37701	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010524	19_+_54194189_54194206	AGTGCTTCCCTTTGGACT	37702	hsa-miR-520a-3p;Derives_from=MI0003149
NovelMiR_KnownLoci_ID0010525	19_+_54197660_54197676	CTCTTGAGGGAAGCACT	37703	hsa-miR-526b-5p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010526	19_+_54197660_54197677	CTCTTGAGGGAAGCACTT	37704	hsa-miR-526b-5p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010527	19_+_54197660_54197681	CTCTTGAGGGAAGCACTTTCTG	37705	hsa-miR-526b-5p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010528	19_+_54197660_54197683	CTCTTGAGGGAAGCACTTTCTGTT	37706	hsa-miR-526b-5p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010529	19_+_54197660_54197684	CTCTTGAGGGAAGCACTTTCTGTTG	37707	hsa-miR-526b-5p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010530	19_+_54197698_54197720	AAAGTGCTTCCTTTTAGAGGCTT	37708	hsa-miR-526b-3p;Derives_from=MI0003150

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010531	19_+_54197698_54197722	AAAGTGCTTCCTTTTAGAGGCTTAC	37709	hsa-miR-526b-3p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010532	19_+_54197708_54197724	CTTTTAGAGGCTTACTG	37710	hsa-miR-526b-3p;Derives_from=MI0003150
NovelMiR_KnownLoci_ID0010533	19_+_54198515_54198536	AGAAAGTGCATCCTTTTAGAGG	37711	hsa-miR-519b-3p;Derives_from=MI0003151
NovelMiR_KnownLoci_ID0010534	19_+_54198517_54198539	AAAGTGCATCCTTTTAGAGGTTT	37712	hsa-miR-519b-3p;Derives_from=MI0003151
NovelMiR_KnownLoci_ID0010535	19_+_54198517_54198540	AAAGTGCATCCTTTTAGAGGTTTA	37713	hsa-miR-519b-3p;Derives_from=MI0003151
NovelMiR_KnownLoci_ID0010536	19_+_54198518_54198538	AAGTGCATCCTTTTAGAGGTT	37714	hsa-miR-519b-3p;Derives_from=MI0003151
NovelMiR_KnownLoci_ID0010537	19_+_54200801_54200818	CTCCAGAGGGATGCACTT	37715	hsa-miR-525-5p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010538	19_+_54200801_54200819	CTCCAGAGGGATGCACTTT	37716	hsa-miR-525-5p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010539	19_+_54200801_54200820	CTCCAGAGGGATGCACTTTC	37717	hsa-miR-525-5p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010540	19_+_54200801_54200822	CTCCAGAGGGATGCACTTTCTC	37718	hsa-miR-525-5p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010541	19_+_54200801_54200823	CTCCAGAGGGATGCACTTTCTCT	37719	hsa-miR-525-5p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010542	19_+_54200801_54200825	CTCCAGAGGGATGCACTTTCTCTTA	37720	hsa-miR-525-5p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010543	19_+_54200838_54200858	GAAGGCGCTTCCCTTTAGAGC	37721	hsa-miR-525-3p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010544	19_+_54200838_54200860	GAAGGCGCTTCCCTTTAGAGCGT	37722	hsa-miR-525-3p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010545	19_+_54200838_54200861	GAAGGCGCTTCCCTTTAGAGCGTT	37723	hsa-miR-525-3p;Derives_from=MI0003152
NovelMiR_KnownLoci_ID0010546	19_+_54200839_54200860	AAGGCGCTTCCCTTTAGAGCGT	37724	hsa-miR-525-3p;Derives_from=MI0003152

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010547	19_+_54201691_54201709	GAACGCGCTTCCCTATAGA	37725	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010548	19_+_54201691_54201711	GAACGCGCTTCCCTATAGAGG	37726	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010549	19_+_54201692_54201710	AACGCGCTTCCCTATAGAG	37727	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010550	19_+_54201692_54201711	AACGCGCTTCCCTATAGAGG	37728	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010551	19_+_54201692_54201712	AACGCGCTTCCCTATAGAGGG	37729	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010552	19_+_54201692_54201713	AACGCGCTTCCCTATAGAGGGT	37730	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010553	19_+_54201692_54201714	AACGCGCTTCCCTATAGAGGGTT	37731	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010554	19_+_54201692_54201717	AACGCGCTTCCCTATAGAGGGTTACC	37732	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010555	19_+_54201693_54201717	ACGCGCTTCCCTATAGAGGGTTAC	37733	hsa-miR-523-3p;Derives_from=MI0003153
NovelMiR_KnownLoci_ID0010556	19_+_54203284_54203308	CTCTAGAGGGAAGCACTTTCTCTTG	37734	hsa-miR-518f-5p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010557	19_+_54203285_54203308	TCTAGAGGGAAGCACTTTCTCTTG	37735	hsa-miR-518f-5p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010558	19_+_54203321_54203339	GAAAGCGCTTCTCTTTAGA	37736	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010559	19_+_54203321_54203340	GAAAGCGCTTCTCTTTAGAG	37737	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010560	19_+_54203321_54203342	GAAAGCGCTTCTCTTTAGAGGA	37738	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010561	19_+_54203321_54203343	GAAAGCGCTTCTCTTTAGAGGAT	37739	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010562	19_+_54203321_54203344	GAAAGCGCTTCTCTTTAGAGGATT	37740	hsa-miR-518f-3p;Derives_from=MI0003154

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010563	19_+_54203321_54203347	GAAAGCGCTTCTCTTTAGAGGATTACT	37741	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010564	19_+_54203322_54203342	AAAGCGCTTCTCTTTAGAGGA	37742	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010565	19_+_54203322_54203344	AAAGCGCTTCTCTTTAGAGGATT	37743	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010566	19_+_54203323_54203342	AAGCGCTTCTCTTTAGAGGA	37744	hsa-miR-518f-3p;Derives_from=MI0003154
NovelMiR_KnownLoci_ID0010567	19_+_54206041_54206059	CAAAGCGCTCCCCTTTAGA	37745	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010568	19_+_54206041_54206060	CAAAGCGCTCCCCTTTAGAG	37746	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010569	19_+_54206041_54206061	CAAAGCGCTCCCCTTTAGAGG	37747	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010570	19_+_54206041_54206063	CAAAGCGCTCCCCTTTAGAGGTT	37748	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010571	19_+_54206041_54206064	CAAAGCGCTCCCCTTTAGAGGTTT	37749	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010572	19_+_54206041_54206067	CAAAGCGCTCCCCTTTAGAGGTTTACG	37750	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010573	19_+_54206042_54206062	AAAGCGCTCCCCTTTAGAGGT	37751	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010574	19_+_54206042_54206067	AAAGCGCTCCCCTTTAGAGGTTTACG	37752	hsa-miR-518b;Derives_from=MI0003156
NovelMiR_KnownLoci_ID0010575	19_+_54212013_54212033	CTCTGGAGGGAAGCACTTTCT	37753	hsa-miR-518c-5p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010576	19_+_54212013_54212034	CTCTGGAGGGAAGCACTTTCTG	37754	hsa-miR-518c-5p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010577	19_+_54212013_54212035	CTCTGGAGGGAAGCACTTTCTGT	37755	hsa-miR-518c-5p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010578	19_+_54212013_54212036	CTCTGGAGGGAAGCACTTTCTGTT	37756	hsa-miR-518c-5p;Derives_from=MI0003159

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010579	19_+_54212049_54212070	ACAAAGCGCTTCTCTTTAGAGT	37757	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010580	19_+_54212050_54212067	CAAAGCGCTTCTCTTTAG	37758	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010581	19_+_54212050_54212068	CAAAGCGCTTCTCTTTAGA	37759	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010582	19_+_54212050_54212070	CAAAGCGCTTCTCTTTAGAGT	37760	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010583	19_+_54212050_54212071	CAAAGCGCTTCTCTTTAGAGTG	37761	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010584	19_+_54212050_54212073	CAAAGCGCTTCTCTTTAGAGTGTT	37762	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010585	19_+_54212050_54212074	CAAAGCGCTTCTCTTTAGAGTGTT A	37763	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010586	19_+_54212050_54212076	CAAAGCGCTTCTCTTTAGAGTGTT ACG	37764	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010587	19_+_54212051_54212076	AAAGCGCTTCTCTTTAGAGTGTTA CG	37765	hsa-miR-518c-3p;Derives_from=MI0003159
NovelMiR_KnownLoci_ID0010588	19_+_54214271_54214289	CTACAAAGGGAAGCACTTT	37766	hsa-miR-524-5p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010589	19_+_54214271_54214290	CTACAAAGGGAAGCACTTTC	37767	hsa-miR-524-5p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010590	19_+_54214271_54214291	CTACAAAGGGAAGCACTTTCT	37768	hsa-miR-524-5p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010591	19_+_54214271_54214293	CTACAAAGGGAAGCACTTTCTCT	37769	hsa-miR-524-5p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010592	19_+_54214308_54214329	GAAGGCGCTTCCCTTTGGAGTG	37770	hsa-miR-524-3p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010593	19_+_54214308_54214330	GAAGGCGCTTCCCTTTGGAGTGT	37771	hsa-miR-524-3p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010594	19_+_54214308_54214333	GAAGGCGCTTCCCTTTGGAGTGTT AC	37772	hsa-miR-524-3p;Derives_from=MI0003160

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010595	19_+_54214309_54214329	AAGGCGCTTCCCTTTGGAGTG	37773	hsa-miR-524-3p;Derives_from=MI0003160
NovelMiR_KnownLoci_ID0010596	19_+_54216615_54216636	CCTCCAAAGGGAAGCGCTTTCT	37774	hsa-miR-519d-5p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010597	19_+_54216615_54216637	CCTCCAAAGGGAAGCGCTTTCTG	37775	hsa-miR-519d-5p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010598	19_+_54216615_54216638	CCTCCAAAGGGAAGCGCTTTCTGT	37776	hsa-miR-519d-5p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010599	19_+_54216653_54216675	ACAAAGTGCCTCCCTTTAGAGTG	37777	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010600	19_+_54216654_54216670	CAAAGTGCCTCCCTTTA	37778	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010601	19_+_54216654_54216672	CAAAGTGCCTCCCTTTAGA	37779	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010602	19_+_54216654_54216673	CAAAGTGCCTCCCTTTAGAG	37780	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010603	19_+_54216654_54216674	CAAAGTGCCTCCCTTTAGAGT	37781	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010604	19_+_54216654_54216676	CAAAGTGCCTCCCTTTAGAGTGT	37782	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010605	19_+_54216654_54216677	CAAAGTGCCTCCCTTTAGAGTGTT	37783	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010606	19_+_54216654_54216679	CAAAGTGCCTCCCTTTAGAGTGTT AC	37784	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010607	19_+_54216654_54216680	CAAAGTGCCTCCCTTTAGAGTGTT ACC	37785	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010608	19_+_54216654_54216681	CAAAGTGCCTCCCTTTAGAGTGTT ACCG	37786	hsa-miR-519d-3p;Derives_from=MI0003162
NovelMiR_KnownLoci_ID0010609	19_+_54223364_54223385	TCTACAAAGGGAAGCCCTTTCT	37787	hsa-miR-520d-5p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010610	19_+_54223365_54223385	CTACAAAGGGAAGCCCTTTCT	37788	hsa-miR-520d-5p;Derives_from=MI0003164

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010611	19_+_54223365_54223386	CTACAAAGGGAAGCCCTTTCTG	37789	hsa-miR-520d-5p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010612	19_+_54223365_54223387	CTACAAAGGGAAGCCCTTTCTGT	37790	hsa-miR-520d-5p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010613	19_+_54223365_54223389	CTACAAAGGGAAGCCCTTTCTGTTG	37791	hsa-miR-520d-5p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010614	19_+_54223399_54223418	AAAGAAAGTGCTTCTCTTTG	37792	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010615	19_+_54223403_54223422	AAAGTGCTTCTCTTTGGTGG	37793	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010616	19_+_54223403_54223423	AAAGTGCTTCTCTTTGGTGGG	37794	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010617	19_+_54223403_54223425	AAAGTGCTTCTCTTTGGTGGGTT	37795	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010618	19_+_54223403_54223426	AAAGTGCTTCTCTTTGGTGGGTTA	37796	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010619	19_+_54223404_54223426	AAGTGCTTCTCTTTGGTGGGTTA	37797	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010620	19_+_54223405_54223425	AGTGCTTCTCTTTGGTGGGTT	37798	hsa-miR-520d-3p;Derives_from=MI0003164
NovelMiR_KnownLoci_ID0010621	19_+_54225474_54225496	ACAAAGTGCTTCCCTTTAGAGTG	37799	hsa-miR-520g-3p;Derives_from=MI0003166
NovelMiR_KnownLoci_ID0010622	19_+_54225475_54225496	CAAAGTGCTTCCCTTTAGAGTG	37800	hsa-miR-520g-3p;Derives_from=MI0003166
NovelMiR_KnownLoci_ID0010623	19_+_54225475_54225497	CAAAGTGCTTCCCTTTAGAGTGT	37801	hsa-miR-520g-3p;Derives_from=MI0003166
NovelMiR_KnownLoci_ID0010624	19_+_54225475_54225500	CAAAGTGCTTCCCTTTAGAGTGTTAC	37802	hsa-miR-520g-3p;Derives_from=MI0003166
NovelMiR_KnownLoci_ID0010625	19_+_54225475_54225502	CAAAGTGCTTCCCTTTAGAGTGTTACCG	37803	hsa-miR-520g-3p;Derives_from=MI0003166
NovelMiR_KnownLoci_ID0010626	19_+_54225480_54225497	TGCTTCCCTTTAGAGTGT	37804	hsa-miR-520g-3p;Derives_from=MI0003166

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010627	19_+_54228705_54228721	GTGACCATCTGGAGGTA	37805	hsa-miR-516b-5p;Derives_from=MI0003167
NovelMiR_KnownLoci_ID0010628	19_+_54228709_54228734	CCATCTGGAGGTAAGAAGCACTTTGT	37806	hsa-miR-516b-5p;Derives_from=MI0003167
NovelMiR_KnownLoci_ID0010629	19_+_54228710_54228733	CATCTGGAGGTAAGAAGCACTTTG	37807	hsa-miR-516b-5p;Derives_from=MI0003167
NovelMiR_KnownLoci_ID0010630	19_+_54228710_54228734	CATCTGGAGGTAAGAAGCACTTTGT	37808	hsa-miR-516b-5p;Derives_from=MI0003167
NovelMiR_KnownLoci_ID0010631	19_+_54228711_54228733	ATCTGGAGGTAAGAAGCACTTTG	37809	hsa-miR-516b-5p;Derives_from=MI0003167
NovelMiR_KnownLoci_ID0010632	19_+_54228711_54228734	ATCTGGAGGTAAGAAGCACTTTGT	37810	hsa-miR-516b-5p;Derives_from=MI0003167
NovelMiR_KnownLoci_ID0010633	19_+_54233144_54233164	GAAAGCGCTTCCCTTCAGAGT	37811	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010634	19_+_54233144_54233165	GAAAGCGCTTCCCTTCAGAGTG	37812	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010635	19_+_54233144_54233166	GAAAGCGCTTCCCTTCAGAGTGT	37813	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010636	19_+_54233145_54233164	AAAGCGCTTCCCTTCAGAGT	37814	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010637	19_+_54233145_54233166	AAAGCGCTTCCCTTCAGAGTGT	37815	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010638	19_+_54233145_54233167	AAAGCGCTTCCCTTCAGAGTGTT	37816	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010639	19_+_54233146_54233165	AAGCGCTTCCCTTCAGAGTG	37817	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010640	19_+_54233146_54233166	AAGCGCTTCCCTTCAGAGTGT	37818	hsa-miR-518e-3p;Derives_from=MI0003169
NovelMiR_KnownLoci_ID0010641	19_+_54238183_54238204	CAAAGCGCTTCCCTTTGGAGCG	37819	hsa-miR-518d-3p;Derives_from=MI0003171
NovelMiR_KnownLoci_ID0010642	19_+_54238183_54238206	CAAAGCGCTTCCCTTTGGAGCGTT	37820	hsa-miR-518d-3p;Derives_from=MI0003171

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010643	19_+_54238183_54238209	CAAAGCGCTTCCCTTTGGAGCGTTACG	37821	hsa-miR-518d-3p;Derives_from=MI0003171
NovelMiR_KnownLoci_ID0010644	19_+_54240112_54240136	CCATCTGGAGGTAAGAAGCACTTTC	37822	hsa-miR-516b-5p;Derives_from=MI0003172
NovelMiR_KnownLoci_ID0010645	19_+_54240114_54240136	ATCTGGAGGTAAGAAGCACTTTC	37823	hsa-miR-516b-5p;Derives_from=MI0003172
NovelMiR_KnownLoci_ID0010646	19_+_54240114_54240137	ATCTGGAGGTAAGAAGCACTTTCT	37824	hsa-miR-516b-5p;Derives_from=MI0003172
NovelMiR_KnownLoci_ID0010647	19_+_54240114_54240138	ATCTGGAGGTAAGAAGCACTTTCTG	37825	hsa-miR-516b-5p;Derives_from=MI0003172
NovelMiR_KnownLoci_ID0010648	19_+_54240114_54240139	ATCTGGAGGTAAGAAGCACTTTCTGT	37826	hsa-miR-516b-5p;Derives_from=MI0003172
NovelMiR_KnownLoci_ID0010649	19_+_54240115_54240136	TCTGGAGGTAAGAAGCACTTTC	37827	hsa-miR-516b-5p;Derives_from=MI0003172
NovelMiR_KnownLoci_ID0010650	19_+_54242601_54242619	TCTGCAAAGGGAAGCCCTT	37828	hsa-miR-518a-5p;Derives_from=MI0003173
NovelMiR_KnownLoci_ID0010651	19_+_54242601_54242623	TCTGCAAAGGGAAGCCCTTTCTG	37829	hsa-miR-518a-5p;Derives_from=MI0003173
NovelMiR_KnownLoci_ID0010652	19_+_54242601_54242624	TCTGCAAAGGGAAGCCCTTTCTGT	37830	hsa-miR-518a-5p;Derives_from=MI0003173
NovelMiR_KnownLoci_ID0010653	19_+_54244623_54244640	ATCGTGCATCCTTTTAGA	37831	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010654	19_+_54244623_54244641	ATCGTGCATCCTTTTAGAG	37832	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010655	19_+_54244623_54244642	ATCGTGCATCCTTTTAGAGT	37833	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010656	19_+_54244623_54244643	ATCGTGCATCCTTTTAGAGTG	37834	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010657	19_+_54244623_54244645	ATCGTGCATCCTTTTAGAGTGTT	37835	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010658	19_+_54244623_54244647	ATCGTGCATCCTTTTAGAGTGTTAC	37836	hsa-miR-517c-3p;Derives_from=MI0003174

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010659	19_+_54244624_54244643	TCGTGCATCCTTTTAGAGTG	37837	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010660	19_+_54244624_54244644	TCGTGCATCCTTTTAGAGTGT	37838	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010661	19_+_54244624_54244645	TCGTGCATCCTTTTAGAGTGTT	37839	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010662	19_+_54244624_54244646	TCGTGCATCCTTTTAGAGTGTTA	37840	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010663	19_+_54244624_54244647	TCGTGCATCCTTTTAGAGTGTTAC	37841	hsa-miR-517c-3p;Derives_from=MI0003174
NovelMiR_KnownLoci_ID0010664	19_+_54245820_54245843	ACAAAGTGCTTCCCTTTAGAGTTA	37842	hsa-miR-520h;Derives_from=MI0003175
NovelMiR_KnownLoci_ID0010665	19_+_54245820_54245844	ACAAAGTGCTTCCCTTTAGAGTTAC	37843	hsa-miR-520h;Derives_from=MI0003175
NovelMiR_KnownLoci_ID0010666	19_+_54245821_54245843	CAAAGTGCTTCCCTTTAGAGTTA	37844	hsa-miR-520h;Derives_from=MI0003175
NovelMiR_KnownLoci_ID0010667	19_+_54254477_54254500	TCCCTCTAGAGGGAAGCGCTTTCT	37845	hsa-miR-522-5p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010668	19_+_54254518_54254534	AAAATGGTTCCCTTTAG	37846	hsa-miR-522-3p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010669	19_+_54254518_54254535	AAAATGGTTCCCTTTAGA	37847	hsa-miR-522-3p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010670	19_+_54254518_54254536	AAAATGGTTCCCTTTAGAG	37848	hsa-miR-522-3p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010671	19_+_54254518_54254537	AAAATGGTTCCCTTTAGAGT	37849	hsa-miR-522-3p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010672	19_+_54254518_54254538	AAAATGGTTCCCTTTAGAGTG	37850	hsa-miR-522-3p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010673	19_+_54254518_54254540	AAAATGGTTCCCTTTAGAGTGTT	37851	hsa-miR-522-3p;Derives_from=MI0003177
NovelMiR_KnownLoci_ID0010674	19_+_54254518_54254543	AAAATGGTTCCCTTTAGAGTGTTACG	37852	hsa-miR-522-3p;Derives_from=MI0003177

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010675	19_+_54255664_54255679	ACTCTAGAGGGAAGCG	37853	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010676	19_+_54255664_54255681	ACTCTAGAGGGAAGCGCT	37854	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010677	19_+_54255664_54255682	ACTCTAGAGGGAAGCGCTT	37855	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010678	19_+_54255664_54255683	ACTCTAGAGGGAAGCGCTTT	37856	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010679	19_+_54255664_54255684	ACTCTAGAGGGAAGCGCTTTC	37857	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010680	19_+_54255664_54255685	ACTCTAGAGGGAAGCGCTTTCT	37858	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010681	19_+_54255664_54255686	ACTCTAGAGGGAAGCGCTTTCTG	37859	hsa-miR-519a-5p;Derives_from=MI0003178
NovelMiR_KnownLoci_ID0010682	19_-_54290929_54290951	TGCCCCCACAGTTTGAGTGCCAC	37860	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010683	19_-_54290929_54290953	AGTGCCCCCACAGTTTGAGTGCCAC	37861	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010684	19_-_54290930_54290951	TGCCCCCACAGTTTGAGTGCCA	37862	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010685	19_-_54290930_54290954	AAGTGCCCCCACAGTTTGAGTGCCA	37863	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010686	19_-_54290931_54290951	TGCCCCCACAGTTTGAGTGCC	37864	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010687	19_-_54290931_54290952	GTGCCCCCACAGTTTGAGTGCC	37865	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010688	19_-_54290931_54290953	AGTGCCCCCACAGTTTGAGTGCC	37866	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010689	19_-_54290931_54290954	AAGTGCCCCCACAGTTTGAGTGCC	37867	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010690	19_-_54290932_54290951	TGCCCCCACAGTTTGAGTGC	37868	hsa-miR-371b-3p;Derives_from=MI0017393

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010691	19_-_54290932_54290953	AGTGCCCCCACAGTTTGAGTGC	37869	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010692	19_-_54290933_54290952	GTGCCCCCACAGTTTGAGTG	37870	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010693	19_-_54290933_54290954	AAGTGCCCCCACAGTTTGAGTG	37871	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010694	19_+_54290934_54290952	ACTCAAACTGTGGGGGCAC	37872	hsa-miR-371a-5p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010695	19_-_54290934_54290953	AGTGCCCCCACAGTTTGAGT	37873	hsa-miR-371b-3p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010696	19_+_54290934_54290954	ACTCAAACTGTGGGGGCACTT	37874	hsa-miR-371a-5p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010697	19_+_54290934_54290955	ACTCAAACTGTGGGGGCACTTT	37875	hsa-miR-371a-5p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010698	19_+_54290934_54290956	ACTCAAACTGTGGGGGCACTTTC	37876	hsa-miR-371a-5p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010699	19_-_54290965_54290990	ACTCAAAAGATGGCGGCACTTTCACC	37877	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010700	19_-_54290967_54290990	ACTCAAAAGATGGCGGCACTTTCA	37878	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010701	19_-_54290968_54290990	ACTCAAAAGATGGCGGCACTTTC	37879	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010702	19_-_54290968_54290991	CACTCAAAAGATGGCGGCACTTTC	37880	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010703	19_-_54290968_54290992	ACACTCAAAAGATGGCGGCACTTTC	37881	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010704	19_+_54290968_54290992	GAAAGTGCCGCCATCTTTTGAGTGT	37882	hsa-miR-371a-3p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010705	19_-_54290969_54290991	CACTCAAAAGATGGCGGCACTTT	37883	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010706	19_-_54290970_54290990	ACTCAAAAGATGGCGGCACTT	37884	hsa-miR-371b-5p;Derives_from=MI0017393

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010707	19_-_54290970_54290991	CACTCAAAAGATGGCGGCACTT	37885	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010708	19_+_54290970_54290991	AAGTGCCGCCATCTTTTGAGTG	37886	hsa-miR-371a-3p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010709	19_-_54290971_54290991	CACTCAAAAGATGGCGGCACT	37887	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010710	19_-_54290971_54290992	ACACTCAAAAGATGGCGGCACT	37888	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010711	19_+_54290971_54290992	AGTGCCGCCATCTTTTGAGTGT	37889	hsa-miR-371a-3p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010712	19_+_54290972_54290992	GTGCCGCCATCTTTTGAGTGT	37890	hsa-miR-371a-3p;Derives_from=MI0000779
NovelMiR_KnownLoci_ID0010713	19_-_54290974_54290991	CACTCAAAAGATGGCGGC	37891	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010714	19_-_54290976_54290991	CACTCAAAAGATGGCG	37892	hsa-miR-371b-5p;Derives_from=MI0017393
NovelMiR_KnownLoci_ID0010715	19_+_54291149_54291169	CCTCAAATGTGGAGCACTATT	37893	hsa-miR-372-5p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010716	19_+_54291149_54291170	CCTCAAATGTGGAGCACTATTC	37894	hsa-miR-372-5p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010717	19_+_54291185_54291205	AAAGTGCTGCGACATTTGAGC	37895	hsa-miR-372-3p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010718	19_+_54291185_54291206	AAAGTGCTGCGACATTTGAGCG	37896	hsa-miR-372-3p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010719	19_+_54291185_54291209	AAAGTGCTGCGACATTTGAGCGTCA	37897	hsa-miR-372-3p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010720	19_+_54291185_54291211	AAAGTGCTGCGACATTTGAGCGTCACC	37898	hsa-miR-372-3p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010721	19_+_54291186_54291206	AAGTGCTGCGACATTTGAGCG	37899	hsa-miR-372-3p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010722	19_+_54291186_54291207	AAGTGCTGCGACATTTGAGCGT	37900	hsa-miR-372-3p;Derives_from=MI0000780

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010723	19_+_54291186_54291211	AAGTGCTGCGACATTTGAGCGTCACC	37901	hsa-miR-372-3p;Derives_from=MI0000780
NovelMiR_KnownLoci_ID0010724	19_+_54291963_54291983	TACTCAAAATGGGGGCGCTTT	37902	hsa-miR-373-5p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010725	19_+_54291963_54291984	TACTCAAAATGGGGGCGCTTTC	37903	hsa-miR-373-5p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010726	19_+_54291964_54291983	ACTCAAAATGGGGGCGCTTT	37904	hsa-miR-373-5p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010727	19_+_54291964_54291984	ACTCAAAATGGGGGCGCTTTC	37905	hsa-miR-373-5p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010728	19_+_54292002_54292018	GAAGTGCTTCGATTTTG	37906	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010729	19_+_54292002_54292020	GAAGTGCTTCGATTTTGGG	37907	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010730	19_+_54292002_54292021	GAAGTGCTTCGATTTTGGGG	37908	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010731	19_+_54292002_54292022	GAAGTGCTTCGATTTTGGGGT	37909	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010732	19_+_54292002_54292023	GAAGTGCTTCGATTTTGGGGTG	37910	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010733	19_+_54292002_54292025	GAAGTGCTTCGATTTTGGGGTGTC	37911	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010734	19_+_54292002_54292026	GAAGTGCTTCGATTTTGGGGTGTCC	37912	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010735	19_+_54292003_54292020	AAGTGCTTCGATTTTGGG	37913	hsa-miR-373-3p;Derives_from=MI0000781
NovelMiR_KnownLoci_ID0010736	19_+_54485616_54485634	CCAGTTACCGCTTCCGCTA	37914	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010737	19_+_54485616_54485636	CCAGTTACCGCTTCCGCTACC	37915	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010738	19_+_54485616_54485637	CCAGTTACCGCTTCCGCTACCG	37916	hsa-miR-935;Derives_from=MI0005757

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010739	19_+_54485617_54485635	CAGTTACCGCTTCCGCTAC	37917	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010740	19_+_54485617_54485636	CAGTTACCGCTTCCGCTACC	37918	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010741	19_+_54485617_54485637	CAGTTACCGCTTCCGCTACCG	37919	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010742	19_+_54485617_54485638	CAGTTACCGCTTCCGCTACCGC	37920	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010743	19_+_54485617_54485639	CAGTTACCGCTTCCGCTACCGCC	37921	hsa-miR-935;Derives_from=MI0005757
NovelMiR_KnownLoci_ID0010744	19_-_55742250_55742274	CGCACCTGCCTCTCACCCACAGTGC	37922	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010745	19_-_55742251_55742273	GCACCTGCCTCTCACCCACAGTG	37923	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010746	19_-_55742251_55742274	CGCACCTGCCTCTCACCCACAGTG	37924	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010747	19_-_55742252_55742273	GCACCTGCCTCTCACCCACAGT	37925	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010748	19_-_55742252_55742274	CGCACCTGCCTCTCACCCACAGT	37926	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010749	19_-_55742253_55742273	GCACCTGCCTCTCACCCACAG	37927	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010750	19_-_55742254_55742274	CGCACCTGCCTCTCACCCACA	37928	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010751	19_-_55742254_55742279	ACAGCCGCACCTGCCTCTCACCCACA	37929	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010752	19_-_55742255_55742274	CGCACCTGCCTCTCACCCAC	37930	hsa-miR-6804-3p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010753	19_-_55742290_55742314	GAGGGTGTCAGCAGGTGACGGTGGG	37931	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010754	19_-_55742290_55742315	TGAGGGTGTCAGCAGGTGACGGTGGG	37932	hsa-miR-6804-5p;Derives_from=MI0022649

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010755	19_-_55742291_55742313	AGGGTGTCAGCAGGTGACGGTGG	37933	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010756	19_-_55742291_55742315	TGAGGGTGTCAGCAGGTGACGGTGG	37934	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010757	19_-_55742292_55742313	AGGGTGTCAGCAGGTGACGGTG	37935	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010758	19_-_55742292_55742314	GAGGGTGTCAGCAGGTGACGGTG	37936	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010759	19_-_55742292_55742315	TGAGGGTGTCAGCAGGTGACGGTG	37937	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010760	19_-_55742293_55742313	AGGGTGTCAGCAGGTGACGGT	37938	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010761	19_-_55742293_55742315	TGAGGGTGTCAGCAGGTGACGGT	37939	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010762	19_-_55742293_55742316	GTGAGGGTGTCAGCAGGTGACGGT	37940	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010763	19_-_55742294_55742315	TGAGGGTGTCAGCAGGTGACGG	37941	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010764	19_-_55742294_55742316	GTGAGGGTGTCAGCAGGTGACGG	37942	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010765	19_-_55742295_55742314	GAGGGTGTCAGCAGGTGACG	37943	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010766	19_-_55742295_55742316	GTGAGGGTGTCAGCAGGTGACG	37944	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010767	19_-_55742296_55742315	TGAGGGTGTCAGCAGGTGAC	37945	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010768	19_-_55742297_55742315	TGAGGGTGTCAGCAGGTGA	37946	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010769	19_-_55742297_55742316	GTGAGGGTGTCAGCAGGTGA	37947	hsa-miR-6804-5p;Derives_from=MI0022649
NovelMiR_KnownLoci_ID0010770	19_-_55742298_55742315	TGAGGGTGTCAGCAGGTG	37948	hsa-miR-6804-5p;Derives_from=MI0022649

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010771	19_-_55751277_55751296	CCCTCTCACCTAAGCAGAGC	37949	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010772	19_-_55751277_55751301	TTCACCCCTCTCACCTAAGCAGAGC	37950	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010773	19_-_55751277_55751302	CTTCACCCCTCTCACCTAAGCAGAGC	37951	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010774	19_-_55751277_55751303	TCTTCACCCCTCTCACCTAAGCAGAGC	37952	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010775	19_-_55751279_55751296	CCCTCTCACCTAAGCAGA	37953	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010776	19_-_55751279_55751301	TTCACCCCTCTCACCTAAGCAGA	37954	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010777	19_-_55751279_55751302	CTTCACCCCTCTCACCTAAGCAGA	37955	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010778	19_-_55751280_55751296	CCCTCTCACCTAAGCAG	37956	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010779	19_-_55751280_55751302	CTTCACCCCTCTCACCTAAGCAG	37957	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010780	19_-_55751281_55751301	TTCACCCCTCTCACCTAAGCA	37958	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010781	19_-_55751281_55751302	CTTCACCCCTCTCACCTAAGCA	37959	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010782	19_-_55751282_55751302	CTTCACCCCTCTCACCTAAGC	37960	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010783	19_-_55751282_55751303	TCTTCACCCCTCTCACCTAAGC	37961	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010784	19_-_55751283_55751302	CTTCACCCCTCTCACCTAAG	37962	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010785	19_-_55751283_55751303	TCTTCACCCCTCTCACCTAAG	37963	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010786	19_-_55751284_55751302	CTTCACCCCTCTCACCTAA	37964	hsa-miR-6802-3p;Derives_from=MI0022647

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010787	19_-_55751284_55751303	TCTTCACCCCTCTCACCTAA	37965	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010788	19_-_55751285_55751306	ACGTCTTCACCCCTCTCACCTA	37966	hsa-miR-6802-3p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010789	19_-_55751315_55751336	GGTGGGGGGGCTTGAAGCCCCGA	37967	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010790	19_-_55751316_55751339	CTAGGTGGGGGGCTTGAAGCCCCG	37968	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010791	19_-_55751318_55751338	TAGGTGGGGGGCTTGAAGCCC	37969	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010792	19_-_55751318_55751339	CTAGGTGGGGGGCTTGAAGCCC	37970	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010793	19_-_55751319_55751338	TAGGTGGGGGGCTTGAAGCC	37971	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010794	19_-_55751319_55751339	CTAGGTGGGGGGCTTGAAGCC	37972	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010795	19_-_55751319_55751340	GCTAGGTGGGGGGCTTGAAGCC	37973	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010796	19_-_55751320_55751338	TAGGTGGGGGGCTTGAAGC	37974	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010797	19_-_55751320_55751340	GCTAGGTGGGGGGCTTGAAGC	37975	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010798	19_-_55751320_55751341	GGCTAGGTGGGGGGCTTGAAGC	37976	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010799	19_-_55751321_55751339	CTAGGTGGGGGGCTTGAAG	37977	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010800	19_-_55751321_55751340	GCTAGGTGGGGGGCTTGAAG	37978	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010801	19_-_55751322_55751339	CTAGGTGGGGGGCTTGAA	37979	hsa-miR-6802-5p;Derives_from=MI0022647
NovelMiR_KnownLoci_ID0010802	19_-_55751322_55751340	GCTAGGTGGGGGGCTTGAA	37980	hsa-miR-6802-5p;Derives_from=MI0022647

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010803	19_-_55756551_55756575	TCCCTCGCCTTCTCACCCTCAGTGG	37981	hsa-miR-6803-3p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010804	19_-_55756552_55756575	TCCCTCGCCTTCTCACCCTCAGTG	37982	hsa-miR-6803-3p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010805	19_-_55756553_55756575	TCCCTCGCCTTCTCACCCTCAGT	37983	hsa-miR-6803-3p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010806	19_-_55756555_55756574	CCCTCGCCTTCTCACCCTCA	37984	hsa-miR-6803-3p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010807	19_-_55756555_55756575	TCCCTCGCCTTCTCACCCTCA	37985	hsa-miR-6803-3p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010808	19_-_55756556_55756575	TCCCTCGCCTTCTCACCCTC	37986	hsa-miR-6803-3p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010809	19_-_55756590_55756615	CTCTGGGGGTGGGGGGCTGGGCGTGG	37987	hsa-miR-6803-5p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010810	19_-_55756592_55756614	TCTGGGGGTGGGGGGCTGGGCGT	37988	hsa-miR-6803-5p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010811	19_-_55756592_55756616	CCTCTGGGGGTGGGGGGCTGGGCGT	37989	hsa-miR-6803-5p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010812	19_-_55756593_55756614	TCTGGGGGTGGGGGGCTGGGCG	37990	hsa-miR-6803-5p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010813	19_-_55756594_55756615	CTCTGGGGGTGGGCGGCTGGGC	37991	hsa-miR-6803-5p;Derives_from=MI0022648
NovelMiR_KnownLoci_ID0010814	19_+_55899554_55899572	TAGGGGGCGGCTTGTGGAG	37992	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010815	19_+_55899554_55899573	TAGGGGGCGGCTTGTGGAGT	37993	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010816	19_+_55899554_55899574	TAGGGGGCGGCTTGTGGAGTG	37994	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010817	19_+_55899554_55899576	TAGGGGGCGGCTTGTGGAGTGTA	37995	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010818	19_+_55899554_55899577	TAGGGGGCGGCTTGTGGAGTGTAT	37996	hsa-miR-6805-5p;Derives_from=MI0022650

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010819	19_+_55899554_55899579	TAGGGGGCGGCTTGTGGAGTGTAT GG	37997	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010820	19_+_55899555_55899572	AGGGGGCGGCTTGTGGAG	37998	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010821	19_+_55899555_55899574	AGGGGGCGGCTTGTGGAGTG	37999	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010822	19_+_55899555_55899577	AGGGGGCGGCTTGTGGAGTGTAT	38000	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010823	19_+_55899555_55899579	AGGGGGCGGCTTGTGGAGTGTATG G	38001	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010824	19_+_55899555_55899581	AGGGGGCGGCTTGTGGAGTGTATG GGC	38002	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010825	19_+_55899557_55899578	GGGGCGGCTTGTGGAGTGTATG	38003	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010826	19_+_55899557_55899581	GGGGCGGCTTGTGGAGTGTATGGG C	38004	hsa-miR-6805-5p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010827	19_+_55899582_55899605	TGAGCCTTGCTCTGCTCCCCCGCC	38005	hsa-miR-6805-3p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010828	19_+_55899588_55899611	TTGCTCTGCTCCCCCGCCCCCAGG	38006	hsa-miR-6805-3p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010829	19_+_55899591_55899611	CTCTGCTCCCCCGCCCCCAGG	38007	hsa-miR-6805-3p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010830	19_+_55899592_55899611	TCTGCTCCCCCGCCCCCAGG	38008	hsa-miR-6805-3p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010831	19_+_55899592_55899612	TCTGCTCCCCCGCCCCCAGGC	38009	hsa-miR-6805-3p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010832	19_+_55899592_55899613	TCTGCTCCCCCGCCCCCAGGCA	38010	hsa-miR-6805-3p;Derives_from=MI0022650
NovelMiR_KnownLoci_ID0010833	19_+_58846058_58846085	CTGTAGGCATGAGGCAGGGCCCAG GTTC	38011	hsa-miR-6806-5p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010834	19_+_58846059_58846075	TGTAGGCATGAGGCAGG	38012	hsa-miR-6806-5p;Derives_from=MI0022651

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010835	19_+_58846059_58846077	TGTAGGCATGAGGCAGGGC	38013	hsa-miR-6806-5p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010836	19_+_58846060_58846082	GTAGGCATGAGGCAGGGCCCAGG	38014	hsa-miR-6806-5p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010837	19_+_58846096_58846112	TGAAGCTCTGACATTCC	38015	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010838	19_+_58846096_58846113	TGAAGCTCTGACATTCCT	38016	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010839	19_+_58846096_58846116	TGAAGCTCTGACATTCCTGCA	38017	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010840	19_+_58846096_58846118	TGAAGCTCTGACATTCCTGCAGG	38018	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010841	19_+_58846096_58846119	TGAAGCTCTGACATTCCTGCAGGC	38019	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010842	19_+_58846097_58846116	GAAGCTCTGACATTCCTGCA	38020	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010843	19_+_58846097_58846117	GAAGCTCTGACATTCCTGCAG	38021	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010844	19_+_58846097_58846118	GAAGCTCTGACATTCCTGCAGG	38022	hsa-miR-6806-3p;Derives_from=MI0022651
NovelMiR_KnownLoci_ID0010845	19_-_58898190_58898212	GGACCTGGGTTAGCGGAGTGAGG	38023	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010846	19_-_58898191_58898212	GGACCTGGGTTAGCGGAGTGAG	38024	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010847	19_-_58898192_58898213	CGGACCTGGGTTAGCGGAGTGA	38025	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010848	19_-_58898192_58898216	ATGCGGACCTGGGTTAGCGGAGTGA	38026	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010849	19_-_58898194_58898215	TGCGGACCTGGGTTAGCGGAGT	38027	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010850	19_-_58898195_58898215	TGCGGACCTGGGTTAGCGGAG	38028	hsa-miR-4754;Derives_from=MI0017394

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010851	19_-_58898195_58898216	ATGCGGACCTGCGTTAGCGGAG	38029	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010852	19_-_58898196_58898216	ATGCGGACCTGGGTTAGCGGA	38030	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010853	19_-_58898196_58898220	CCTGATGCGGACCTGGGTTAGCGGA	38031	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010854	19_-_58898201_58898216	ATGCGGACCTGGGTTA	38032	hsa-miR-4754;Derives_from=MI0017394
NovelMiR_KnownLoci_ID0010855	19_+_59061652_59061670	GTGAGCCAGTGGAATGGAG	38033	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010856	19_+_59061652_59061671	GTGAGCCAGTGGAATGGAGA	38034	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010857	19_+_59061652_59061672	GTGAGCCAGTGGAATGGAGAG	38035	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010858	19_+_59061652_59061674	GTGAGCCAGTGGAATGGAGAGGC	38036	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010859	19_+_59061652_59061675	GTGAGCCAGTGGAATGGAGAGGCT	38037	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010860	19_+_59061652_59061676	GTGAGCCAGTGGAATGGAGAGGCTG	38038	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010861	19_+_59061653_59061672	TGAGCCAGTGGAATGGAGAG	38039	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010862	19_+_59061653_59061673	TGAGCCAGTGGAATGGAGAGG	38040	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010863	19_+_59061653_59061674	TGAGCCAGTGGAATGGAGAGGC	38041	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010864	19_+_59061653_59061676	TGAGCCAGTGGAATGGAGAGGCTG	38042	hsa-miR-6807-5p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010865	19_+_59061715_59061730	TTCATCCACTGCATTC	38043	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010866	19_+_59061715_59061732	TTCATCCACTGCATTCCT	38044	hsa-miR-6807-3p;Derives_from=MI0022652

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010867	19_+_59061719_59061742	TCCACTGCATTCCTGCTTGGCCCA	38045	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010868	19_+_59061721_59061739	CACTGCATTCCTGCTTGGC	38046	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010869	19_+_59061721_59061740	CACTGCATTCCTGCTTGGCC	38047	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010870	19_+_59061721_59061741	CACTGCATTCCTGCTTGGCCC	38048	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010871	19_+_59061721_59061744	CACTGCATTCCTGCTTGGCCCAGG	38049	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010872	19_+_59061721_59061745	CACTGCATTCCTGCTTGGCCCAGGA	38050	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010873	19_+_59061721_59061746	CACTGCATTCCTGCTTGGCCCAGGAC	38051	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010874	19_+_59061722_59061744	ACTGCATTCCTGCTTGGCCCAGG	38052	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010875	19_+_59061724_59061744	TGCATTCCTGCTTGGCCCAGG	38053	hsa-miR-6807-3p;Derives_from=MI0022652
NovelMiR_KnownLoci_ID0010876	19_-_6389646_6389669	CTTTGCTTCCTGCTCCCCTAGGCT	38054	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010877	19_-_6389647_6389668	TTTGCTTCCTGCTCCCCTAGGC	38055	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010878	19_-_6389647_6389669	CTTTGCTTCCTGCTCCCCTAGGC	38056	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010879	19_-_6389648_6389668	TTTGCTTCCTGCTCCCCTAGG	38057	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010880	19_-_6389648_6389669	CTTTGCTTCCTGCTCCCCTAGG	38058	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010881	19_-_6389648_6389670	GCTTTGCTTCCTGCTCCCCTAGG	38059	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010882	19_-_6389649_6389668	TTTGCTTCCTGCTCCCCTAG	38060	hsa-miR-6885-3p;Derives_from=MI0022732

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010883	19_-_6389650_6389668	TTTGCTTCCTGCTCCCCTA	38061	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010884	19_-_6389650_6389669	CTTTGCTTCCTGCTCCCCTA	38062	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010885	19_-_6389651_6389668	TTTGCTTCCTGCTCCCCT	38063	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010886	19_-_6389652_6389671	GGCTTTGCTTCCTGCTCCCC	38064	hsa-miR-6885-3p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010887	19_-_6389679_6389699	TGCGCAAGCAAAGCCAGGGAC	38065	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010888	19_-_6389684_6389707	GGGGGCACTGCGCAAGCAAAGCCA	38066	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010889	19_-_6389685_6389710	GAGGGGGGCACTGCGCAAGCAAAGCC	38067	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010890	19_-_6389686_6389708	GGGGGGCACTGCGCAAGCAAAGC	38068	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010891	19_-_6389686_6389709	AGGGGGGCACTGCGCAAGCAAAGC	38069	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010892	19_-_6389686_6389710	GAGGGGGGCACTGCGCAAGCAAAGC	38070	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010893	19_-_6389687_6389709	AGGGGGGCACTGCGCAAGCAAAG	38071	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010894	19_-_6389687_6389710	GAGGGGGGCACTGCGCAAGCAAAG	38072	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010895	19_-_6389688_6389710	GAGGGGGGCACTGCGCAAGCAAA	38073	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010896	19_-_6389689_6389710	GAGGGGGGCACTGCGCAAGCAA	38074	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010897	19_-_6389690_6389710	GAGGGGGGCACTGCGCAAGCA	38075	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010898	19_-_6389691_6389709	AGGGGGGCACTGCGCAAGC	38076	hsa-miR-6885-5p;Derives_from=MI0022732

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010899	19_-_6389692_6389710	GAGGGGGGCACTGCGCAAG	38077	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010900	19_-_6389692_6389711	GGAGGGGGGCACTGCGCAAG	38078	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010901	19_-_6389693_6389710	GAGGGGGGCACTGCGCAA	38079	hsa-miR-6885-5p;Derives_from=MI0022732
NovelMiR_KnownLoci_ID0010902	19_-_6392930_6392950	CGGCGACCCCTCACTCACCGC	38080	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010903	19_-_6392930_6392951	TCGGCGACCCCTCACTCACCGC	38081	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010904	19_-_6392931_6392951	TCGGCGACCCCTCACTCACCG	38082	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010905	19_-_6392931_6392952	CTCGGCGACCCCTCACTCACCG	38083	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010906	19_-_6392932_6392951	TCGGCGACCCCTCACTCACC	38084	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010907	19_-_6392933_6392951	TCGGCGACCCCTCACTCAC	38085	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010908	19_-_6392935_6392951	TCGGCGACCCCTCACTC	38086	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010909	19_-_6392941_6392959	CGGCGACCTCGGCGACCCC	38087	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010910	19_-_6392942_6392959	CGGCGACCTCGGCGACCC	38088	hsa-miR-6790-3p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010911	19_-_6392969_6392984	ATTTGGCGGGGTTCGG	38089	hsa-miR-6790-5p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010912	19_-_6392973_6392993	TGAGTGTGGATTTGGCGGGGT	38090	hsa-miR-6790-5p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010913	19_-_6392973_6392994	GTGAGTGTGGATTTGGCGGGGT	38091	hsa-miR-6790-5p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010914	19_-_6392974_6392994	GTGAGTGTGGATTTGGCGGGG	38092	hsa-miR-6790-5p;Derives_from=MI0022635

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010915	19_-_6392975_6392994	GTGAGTGTGGATTTGGCGGG	38093	hsa-miR-6790-5p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010916	19_-_6392976_6392994	GTGAGTGTGGATTTGGCGG	38094	hsa-miR-6790-5p;Derives_from=MI0022635
NovelMiR_KnownLoci_ID0010917	19_-_6416442_6416466	CAGCCCGGATCCCAGCCCACTTACC	38095	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010918	19_-_6416442_6416467	ACAGCCCGGATCCCAGCCCACTTACC	38096	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010919	19_-_6416443_6416466	CAGCCCGGATCCCAGCCCACTTAC	38097	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010920	19_-_6416444_6416465	AGCCCGGATCCCAGCCCACTTA	38098	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010921	19_-_6416444_6416466	CAGCCCGGATCCCAGCCCACTTA	38099	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010922	19_-_6416445_6416467	ACAGCCCGGATCCCAGCCCACTT	38100	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010923	19_-_6416446_6416466	CAGCCCGGATCCCAGCCCACT	38101	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010924	19_-_6416446_6416467	ACAGCCCGGATCCCAGCCCACT	38102	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010925	19_-_6416447_6416466	CAGCCCGGATCCCAGCCCAC	38103	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010926	19_-_6416448_6416466	CAGCCCGGATCCCAGCCCA	38104	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010927	19_-_6416449_6416466	CAGCCCGGATCCCAGCCC	38105	hsa-miR-3940-3p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010928	19_-_6416479_6416500	GTGGGTTGGGGCGGGCTCTGGG	38106	hsa-miR-3940-5p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010929	19_-_6416480_6416500	GTGGGTTGGGGCGGGCTCTGG	38107	hsa-miR-3940-5p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010930	19_-_6416481_6416501	GGTGGGTTGGGGCGGGCTCTG	38108	hsa-miR-3940-5p;Derives_from=MI0016597

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010931	19_-_6416482_6416500	GTGGGTTGGGGCGGGCTCT	38109	hsa-miR-3940-5p;Derives_from=MI0016597
NovelMiR_KnownLoci_ID0010932	19_-_6736720_6736743	TGCCTCCTTGGTCTCCGGCAGGGG	38110	hsa-miR-6791-3p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010933	19_-_6736721_6736742	GCCTCCTTGGTCTCCGGCAGGG	38111	hsa-miR-6791-3p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010934	19_-_6736721_6736743	TGCCTCCTTGGTCTCCGGCAGGG	38112	hsa-miR-6791-3p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010935	19_-_6736722_6736743	TGCCTCCTTGGTCTCCGGCAGG	38113	hsa-miR-6791-3p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010936	19_-_6736724_6736743	TGCCTCCTTGGTCTCCGGCA	38114	hsa-miR-6791-3p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010937	19_-_6736725_6736743	TGCCTCCTTGGTCTCCGGC	38115	hsa-miR-6791-3p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010938	19_-_6736761_6736783	CCCTGGGGCTGGGCAGGCGGAAA	38116	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010939	19_-_6736761_6736784	CCCCTGGGGCTGGGCAGGCGGAAA	38117	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010940	19_-_6736762_6736783	CCCTGGGGCTGGGCAGGCGGAA	38118	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010941	19_-_6736762_6736784	CCCCTGGGGCTGGGCAGGCGGAA	38119	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010942	19_-_6736762_6736785	ACCCCTGGGGCTGGGCAGGCGGAA	38120	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010943	19_-_6736763_6736783	CCCTGGGGCTGGCGCAGGCGGA	38121	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010944	19_-_6736763_6736785	ACCCCTGGGGCTGGGCAGGCGGA	38122	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010945	19_-_6736770_6736790	GCCAGACCCCTGGGGCTGGGC	38123	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010946	19_-_6736771_6736790	GCCAGACCCCTGGGGCTGGG	38124	hsa-miR-6791-5p;Derives_from=MI0022636

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010947	19_-_6736774_6736790	GCCAGACCCCTGGGGCT	38125	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010948	19_-_6736775_6736790	GCCAGACCCCTGGGGC	38126	hsa-miR-6791-5p;Derives_from=MI0022636
NovelMiR_KnownLoci_ID0010949	19_+_7682322_7682339	CAGGTAAGCAGGGGCTCT	38127	hsa-miR-6792-5p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010950	19_+_7682326_7682342	TAAGCAGGGGCTCTGGG	38128	hsa-miR-6792-5p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010951	19_+_7682326_7682347	TAAGCAGGGGCTCTGGGTGATG	38129	hsa-miR-6792-5p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010952	19_+_7682326_7682348	TAAGCAGGGGCTCTGGGTGATGT	38130	hsa-miR-6792-5p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010953	19_+_7682326_7682350	TAAGCAGGGGCTCTGGGTGATGTGA	38131	hsa-miR-6792-5p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010954	19_+_7682326_7682351	TAAGCAGGGGCTCTGGGTGATGTGAG	38132	hsa-miR-6792-5p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010955	19_+_7682362_7682381	CACCCTCCTCCACAGCCCCT	38133	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010956	19_+_7682364_7682389	CCCTCCTCCACAGCCCCTGCTCATTC	38134	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010957	19_+_7682366_7682385	CTCCTCCACAGCCCCTGCTC	38135	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010958	19_+_7682366_7682388	CTCCTCCACAGCCCCTGCTCATT	38136	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010959	19_+_7682366_7682389	CTCCTCCACAGCCCCTGCTCATTC	38137	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010960	19_+_7682367_7682387	TCCTCCACAGCCCCTGCTCAT	38138	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010961	19_+_7682367_7682388	TCCTCCACAGCCCCTGCTCATT	38139	hsa-miR-6792-3p;Derives_from=MI0022637
NovelMiR_KnownLoci_ID0010962	19_+_804935_804952	AGCTGGTGAGTGGGGCTC	38140	hsa-miR-4745-5p;Derives_from=MI0017384

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010963	19_+_804940_804959	GTGAGTGGGGCTCCCGGGAC	38141	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010964	19_+_804940_804960	GTGAGTGGGGCTCCCGGGACG	38142	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010965	19_+_804940_804961	GTGAGTGGGGCTCCCGGGACGG	38143	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010966	19_+_804940_804962	GTGAGTGGGGCTCCCGGGACGGC	38144	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010967	19_+_804940_804964	GTGAGTGGGGCTCCCGGGACGGCG C	38145	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010968	19_+_804940_804965	GTGAGTGGGGCTCCCGGGACGGCG CC	38146	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010969	19_+_804941_804959	TGAGTGGGGCTCCCGGGAC	38147	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010970	19_+_804941_804960	TGAGTGGGGCTCCCGGGACG	38148	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010971	19_+_804941_804961	TGAGTGGGGCTCCCGGGACGG	38149	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010972	19_+_804941_804962	TGAGTGGGGCTCCCGGGACGGC	38150	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010973	19_+_804941_804964	TGAGTGGGGCTCCCGGGACGGCGC	38151	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010974	19_+_804941_804965	TGAGTGGGGCTCCCGGGACGGCGC C	38152	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010975	19_+_804941_804966	TGAGTGGGGCTCCCGGGACGGCGC CC	38153	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010976	19_+_804945_804968	TGGGGCTCCCGGGACGGCGCCCGC	38154	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010977	19_+_804951_804969	TCCCGGGACGGCGCCCGCC	38155	hsa-miR-4745-5p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010978	19_+_804975_804994	CCTGGCCCGGCGACGTCTCA	38156	hsa-miR-4745-3p;Derives_from=MI0017384

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010979	19_+_804975_804995	CCTGGCCCGGCGACGTCTCAC	38157	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010980	19_+_804975_804996	CCTGGCCCGGCGACGTCTCACG	38158	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010981	19_+_804975_804997	CCTGGCCCGGCGACGTCTCACGG	38159	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010982	19_+_804975_804998	CCTGGCCCGGCGACGTCTCACGGT	38160	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010983	19_+_804975_804999	CCTGGCCCGGCGACGTCTCACGGTC	38161	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010984	19_+_804976_804999	CTGGCCCGGCGACGTCTCACGGTC	38162	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010985	19_+_804977_804998	TGGCCCGGCGACGTCTCACGGT	38163	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010986	19_+_804977_805000	TGGCCCGGCGACGTCTCACGGTCC	38164	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010987	19_+_804978_805000	GGCCCGGCGACGTCTCACGGTCC	38165	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010988	19_+_804983_804998	GGCGACGTCTCACGGT	38166	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010989	19_+_804985_805002	CGACGTCTCACGGTCCCT	38167	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010990	19_+_804985_805004	CGACGTCTCACGGTCCCTCT	38168	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010991	19_+_804985_805005	CGACGTCTCACGGTCCCTCTC	38169	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010992	19_+_804986_805004	GACGTCTCACGGTCCCTCT	38170	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010993	19_+_804986_805005	GACGTCTCACGGTCCCTCTC	38171	hsa-miR-4745-3p;Derives_from=MI0017384
NovelMiR_KnownLoci_ID0010994	19_+_804988_805005	CGTCTCACGGTCCCTCTC	38172	hsa-miR-4745-3p;Derives_from=MI0017384

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0010995	19_+_813590_813608	CCTGGGCAGCGTGTGGCTG	38173	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0010996	19_+_813590_813609	CCTGGGCAGCGTGTGGCTGA	38174	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0010997	19_+_813590_813610	CCTGGGCAGCGTGTGGCTGAA	38175	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0010998	19_+_813590_813611	CCTGGGCAGCGTGTGGCTGAAG	38176	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0010999	19_+_813590_813613	CCTGGGCAGCGTGTGGCTGAAGGT	38177	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011000	19_+_813590_813614	CCTGGGCAGCGTGTGGCTGAAGGTC	38178	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011001	19_+_813590_813615	CCTGGGCAGCGTGTGGCTGAAGGTCA	38179	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011002	19_+_813590_813617	CCTGGGCAGCGTGTGGCTGAAGGTCACC	38180	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011003	19_+_813592_813613	TGGGCAGCGTGTGGCTGAAGGT	38181	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011004	19_+_813592_813614	TGGGCAGCGTGTGGCTGAAGGTC	38182	hsa-miR-3187-5p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011005	19_+_813627_813644	TTGGCCATGGGGCTGCGC	38183	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011006	19_+_813627_813645	TTGGCCATGGGGCTGCGCG	38184	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011007	19_+_813627_813647	TTGGCCATGGGGCTGCGCGGG	38185	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011008	19_+_813627_813648	TTGGCCATGGGGCTGCGCGGGG	38186	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011009	19_+_813627_813649	TTGGCCATGGGGCTGCGCGGGGC	38187	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011010	19_+_813627_813650	TTGGCCATGGGGCTGCGCGGGGCC	38188	hsa-miR-3187-3p;Derives_from=MI0014231

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011011	19_+_813627_813651	TTGGCCATGGGGCTGCGCGGGGCCA	38189	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011012	19_+_813627_813652	TTGGCCATGGGGCTGCGCGGGGCCAG	38190	hsa-miR-3187-3p;Derives_from=MI0014231
NovelMiR_KnownLoci_ID0011013	19_-_8454189_8454211	CTACCTGACAATACAGTATGTGT	38191	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011014	19_-_8454189_8454212	ACTACCTGACAATACAGTATGTGT	38192	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011015	19_-_8454190_8454211	CTACCTGACAATACAGTATGTG	38193	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011016	19_-_8454190_8454212	ACTACCTGACAATACAGTATGTG	38194	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011017	19_-_8454191_8454212	ACTACCTGACAATACAGTATGT	38195	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011018	19_-_8454192_8454212	ACTACCTGACAATACAGTATG	38196	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011019	19_-_8454193_8454212	ACTACCTGACAATACAGTAT	38197	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011020	19_-_8454193_8454213	CACTACCTGACAATACAGTAT	38198	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011021	19_-_8454193_8454214	TCACTACCTGACAATACAGTAT	38199	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011022	19_-_8454194_8454214	TCACTACCTGACAATACAGTA	38200	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011023	19_-_8454194_8454215	ATCACTACCTGACAATACAGTA	38201	hsa-miR-4999-3p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011024	19_-_8454218_8454237	TTGTCAGGTAGTGATAGGAT	38202	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011025	19_-_8454218_8454238	ATTGTCAGGTAGTGATAGGAT	38203	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011026	19_-_8454218_8454239	TATTGTCAGGTAGTGATAGGAT	38204	hsa-miR-4999-5p;Derives_from=MI0017865

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011027	19_-_8454218_8454241	TGTATTGTCAGGTAGTGATAGGAT	38205	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011028	19_-_8454219_8454241	TGTATTGTCAGGTAGTGATAGGA	38206	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011029	19_-_8454220_8454239	TATTGTCAGGTAGTGATAGG	38207	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011030	19_-_8454221_8454244	TGCTGTATTGTCAGGTAGTGATAG	38208	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011031	19_-_8454222_8454243	GCTGTATTGTCAGGTAGTGATA	38209	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011032	19_-_8454222_8454244	TGCTGTATTGTCAGGTAGTGATA	38210	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011033	19_-_8454222_8454245	CTGCTGTATTGTCAGGTAGTGATA	38211	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011034	19_-_8454222_8454246	ACTGCTGTATTGTCAGGTAGTGAT A	38212	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011035	19_-_8454223_8454243	GCTGTATTGTCAGGTAGTGAT	38213	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011036	19_-_8454223_8454244	TGCTGTATTGTCAGGTAGTGAT	38214	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011037	19_-_8454224_8454243	GCTGTATTGTCAGGTAGTGA	38215	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011038	19_-_8454224_8454245	CTGCTGTATTGTCAGGTAGTGA	38216	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011039	19_-_8454225_8454244	TGCTGTATTGTCAGGTAGTG	38217	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011040	19_-_8454225_8454245	CTGCTGTATTGTCAGGTAGTG	38218	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011041	19_-_8454225_8454246	ACTGCTGTATTGTCAGGTAGTG	38219	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011042	19_-_8454226_8454244	TGCTGTATTGTCAGGTAGT	38220	hsa-miR-4999-5p;Derives_from=MI0017865

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011043	19_-_8454226_8454246	ACTGCTGTATTGTCAGGTAGT	38221	hsa-miR-4999-5p;Derives_from=MI0017865
NovelMiR_KnownLoci_ID0011044	1_-_98510821_98510840	CAGCGCTGTCTTCCCTGCCT	38222	hsa-miR-2682-3p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011045	1_-_98510825_98510849	ACGCCTCTTCAGCGCTGTCTTCCCT	38223	hsa-miR-2682-3p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011046	1_-_98510827_98510849	ACGCCTCTTCAGCGCTGTCTTCC	38224	hsa-miR-2682-3p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011047	1_-_98510828_98510849	ACGCCTCTTCAGCGCTGTCTTC	38225	hsa-miR-2682-3p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011048	1_-_98510829_98510849	ACGCCTCTTCAGCGCTGTCTT	38226	hsa-miR-2682-3p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011049	1_-_98510830_98510849	ACGCCTCTTCAGCGCTGTCT	38227	hsa-miR-2682-3p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011050	1_-_98510862_98510881	CAGTGACTGTTCAGACGTCC	38228	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011051	1_-_98510862_98510882	GCAGTGACTGTTCAGACGTCC	38229	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011052	1_-_98510862_98510883	GCCAGTGACTGTTCAGACGTCC	38230	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011053	1_-_98510863_98510882	GCAGTGACTGTTCAGACGTC	38231	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011054	1_-_98510863_98510883	GGCAGTGACTGTTCAGACGTC	38232	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011055	1_-_98510864_98510885	CAGGCAGTGACTGTTCAGACGT	38233	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011056	1_-_98510865_98510885	CAGGCAGTGACTGTTCAGACG	38234	hsa-miR-2682-5p;Derives_from=MI0012063
NovelMiR_KnownLoci_ID0011057	1_-_98511642_98511668	TATTGCTTAAGAATACGCGTAGTCGAG	38235	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011058	1_-_98511642_98511669	TTATTGCTTAAGAATACGCGTAGTCGAG	38236	hsa-miR-137;Derives_from=MI0000454

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011059	1_-_98511645_98511668	TATTGCTTAAGAATACGCGTAGTC	38237	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011060	1_-_98511645_98511669	TTATTGCTTAAGAATACGCGTAGTC	38238	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011061	1_-_98511646_98511665	TGCTTAAGAATACGCGTAGT	38239	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011062	1_-_98511646_98511667	ATTGCTTAAGAATACGCGTAGT	38240	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011063	1_-_98511646_98511668	TATTGCTTAAGAATACGCGTAGT	38241	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011064	1_-_98511646_98511669	TTATTGCTTAAGAATACGCGTAGT	38242	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011065	1_-_98511647_98511665	TGCTTAAGAATACGCGTAG	38243	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011066	1_-_98511647_98511667	ATTGCTTAAGAATACGCGTAG	38244	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011067	1_-_98511647_98511668	TATTGCTTAAGAATACGCGTAG	38245	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011068	1_-_98511648_98511669	TTATTGCTTAAGAATACGCGTA	38246	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011069	1_-_98511649_98511669	TTATTGCTTAAGAATACGCGT	38247	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011070	1_-_98511650_98511669	TTATTGCTTAAGAATACGCG	38248	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011071	1_-_98511652_98511669	TTATTGCTTAAGAATACG	38249	hsa-miR-137;Derives_from=MI0000454
NovelMiR_KnownLoci_ID0011072	20_-_10630281_10630304	CTCATCCCCATCTCCTTTCAGATG	38250	hsa-miR-6870-3p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011073	20_-_10630281_10630305	GCTCATCCCCATCTCCTTTCAGATG	38251	hsa-miR-6870-3p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011074	20_-_10630282_10630304	CTCATCCCCATCTCCTTTCAGAT	38252	hsa-miR-6870-3p;Derives_from=MI0022717

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011075	20_-_10630282_10630305	GCTCATCCCCATCTCCTTTCAGAT	38253	hsa-miR-6870-3p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011076	20_-_10630283_10630304	CTCATCCCCATCTCCTTTCAGA	38254	hsa-miR-6870-3p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011077	20_-_10630283_10630305	GCTCATCCCCATCTCCTTTCAGA	38255	hsa-miR-6870-3p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011078	20_-_10630285_10630306	TGCTCATCCCCATCTCCTTTCA	38256	hsa-miR-6870-3p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011079	20_-_10630315_10630338	TGGGGGAGATGGGGGTTGAACTTC	38257	hsa-miR-6870-5p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011080	20_-_10630316_10630338	TGGGGGAGATGGGGGTTGAACTT	38258	hsa-miR-6870-5p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011081	20_-_10630317_10630338	TGGGGGAGATGGGGGTTGAACT	38259	hsa-miR-6870-5p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011082	20_-_10630318_10630344	CCAAGGTGGGGGGAGATGGGGGTTG AAC	38260	hsa-miR-6870-5p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011083	20_-_10630322_10630341	AGGTGGGGGAGATGGGGGTT	38261	hsa-miR-6870-5p;Derives_from=MI0022717
NovelMiR_KnownLoci_ID0011084	20_-_1373542_1373558	ATCGGCTCAGCATGCCC	38262	hsa-miR-6869-3p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011085	20_-_1373545_1373568	CGCCGCGCGCATCGGCTCAGCATG	38263	hsa-miR-6869-3p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011086	20_-_1373547_1373568	CGCCGCGCGCATCGGCTCAGCA	38264	hsa-miR-6869-3p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011087	20_-_1373548_1373569	CCGCCGCGCGCATCGGCTCAGC	38265	hsa-miR-6869-3p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011088	20_-_1373558_1373574	CTCTGCCGCCGCGCGCA	38266	hsa-miR-6869-3p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011089	20_-_1373559_1373574	CTCTGCCGCCGCGCGC	38267	hsa-miR-6869-3p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011090	20_-_1373578_1373598	GTGGCGCGCGGCGGCTCGGAG	38268	hsa-miR-6869-5p;Derives_from=MI0022716

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011091	20_-_1373581_1373605	GTGAGTAGTGGCGCGCGGCGGCTCG	38269	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011092	20_-_1373582_1373605	GTGAGTAGTGGCGCGCGGCGGCTC	38270	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011093	20_-_1373583_1373605	GTGAGTAGTGGCGCGCGGCGGCT	38271	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011094	20_-_1373585_1373605	GTGAGTAGTGGCGCGCGGCGG	38272	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011095	20_-_1373586_1373605	GTGAGTAGTGGCGCGCGGCG	38273	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011096	20_-_1373588_1373605	GTGAGTAGTGGCGCGCGG	38274	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011097	20_-_1373590_1373605	GTGAGTAGTGGCGCGC	38275	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011098	20_-_1373593_1373611	GAGACGGTGAGTAGTGGCG	38276	hsa-miR-6869-5p;Derives_from=MI0022716
NovelMiR_KnownLoci_ID0011099	20_+_18451267_18451288	TTCTGGGAGGTTGTAGCAGTGG	38277	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011100	20_+_18451268_18451284	TCTGGGAGGTTGTAGCA	38278	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011101	20_+_18451268_18451286	TCTGGGAGGTTGTAGCAGT	38279	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011102	20_+_18451268_18451287	TCTGGGAGGTTGTAGCAGTG	38280	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011103	20_+_18451268_18451288	TCTGGGAGGTTGTAGCAGTGG	38281	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011104	20_+_18451268_18451289	TCTGGGAGGTTGTAGCAGTGGA	38282	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011105	20_+_18451268_18451291	TCTGGGAGGTTGTAGCAGTGGAAA	38283	hsa-miR-3192-5p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011106	20_+_18451268_18451292	TCTGGGAGGTTGTAGCAGTGGAAAA	38284	hsa-miR-3192-5p;Derives_from=MI0014237

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011107	20_+_18451303_18451325	TTCCTCTGATCGCCCTCTCAGCT	38285	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011108	20_+_18451304_18451323	TCCTCTGATCGCCCTCTCAG	38286	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011109	20_+_18451304_18451324	TCCTCTGATCGCCCTCTCAGC	38287	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011110	20_+_18451304_18451325	TCCTCTGATCGCCCTCTCAGCT	38288	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011111	20_+_18451304_18451328	TCCTCTGATCGCCCTCTCAGCTCT T	38289	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011112	20_+_18451305_18451325	CCTCTGATCGCCCTCTCAGCT	38290	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011113	20_+_18451305_18451326	CCTCTGATCGCCCTCTCAGCTC	38291	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011114	20_+_18451305_18451327	CCTCTGATCGCCCTCTCAGCTCT	38292	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011115	20_+_18451305_18451328	CCTCTGATCGCCCTCTCAGCTCTT	38293	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011116	20_+_18451306_18451325	CTCTGATCGCCCTCTCAGCT	38294	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011117	20_+_18451307_18451325	TCTGATCGCCCTCTCAGCT	38295	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011118	20_+_18451307_18451327	TCTGATCGCCCTCTCAGCTCT	38296	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011119	20_+_18451307_18451328	TCTGATCGCCCTCTCAGCTCTT	38297	hsa-miR-3192-3p;Derives_from=MI0014237
NovelMiR_KnownLoci_ID0011120	20_-_26188873_26188888	GCGGGACCGCCCTCGT	38298	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011121	20_-_26188873_26188890	CCGCGGGACCGCCCTCGT	38299	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011122	20_-_26188873_26188891	GCCGCGGGACCGCCCTCGT	38300	hsa-miR-663a;Derives_from=MI0003672

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011123	20_-_26188873_26188892	CGCCGCGGGACCGCCCTCGT	38301	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011124	20_-_26188873_26188893	GCGCCGCGGGACCGCCCTCGT	38302	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011125	20_-_26188873_26188894	GGCGCCGCGGGACCGCCCTCGT	38303	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011126	20_-_26188873_26188895	GGGCGCCGCGGGACCGCCCTCGT	38304	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011127	20_-_26188873_26188897	CGGGGCGCCGCGGGACCGCCCTCGT	38305	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011128	20_-_26188874_26188889	CGCGGGACCGCCCTCG	38306	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011129	20_-_26188874_26188890	CCGCGGGACCGCCCTCG	38307	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011130	20_-_26188874_26188891	GCCGCGGGACCGCCCTCG	38308	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011131	20_-_26188874_26188892	CGCCGCGGGACCGCCCTCG	38309	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011132	20_-_26188874_26188895	GGGCGCCGCGGGACCGCCCTCG	38310	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011133	20_-_26188874_26188899	GGCGGGGCGCCGCGGGACCGCCCTCG	38311	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011134	20_-_26188875_26188893	GCGCCGCGGGACCGCCCTC	38312	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011135	20_-_26188875_26188898	GCGGGGCGCCGCGGGACCGCCCTC	38313	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011136	20_-_26188876_26188894	GGCGCCGCGGGACCGCCCT	38314	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011137	20_-_26188876_26188897	CGGGGCGCCGCGGGACCGCCCT	38315	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011138	20_-_26188877_26188895	GGGCGCCGCGGGACCGCCC	38316	hsa-miR-663a;Derives_from=MI0003672

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011139	20_-_26188877_26188896	GGGGCGCCGCGGGACCGCCC	38317	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011140	20_-_26188877_26188903	CCCAGGCGGGGCGCCGCGGGACCGCCC	38318	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011141	20_-_26188878_26188894	GGCGCCGCGGGACCGCC	38319	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011142	20_-_26188879_26188895	GGGCGCCGCGGGACCGC	38320	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011143	20_-_26188879_26188899	GGCGGGGCGCCGCGGGACCGC	38321	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011144	20_-_26188880_26188895	GGGCGCCGCGGGACCG	38322	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011145	20_-_26188880_26188899	GGCGGGGCGCCGCGGGACCG	38323	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011146	20_-_26188881_26188902	CCAGGCGGGGCGCCGCGGGACC	38324	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011147	20_-_26188881_26188905	GTCCCAGGCGGGGCGCCGCGGGAC C	38325	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011148	20_-_26188881_26188906	CGTCCCAGGCGGGGCGCCGCGGGA CC	38326	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011149	20_-_26188882_26188903	CCCAGGCGGGGCGCCGCGGGAC	38327	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011150	20_-_26188883_26188905	GTCCCAGGCGGGGCGCCGCGGGA	38328	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011151	20_-_26188883_26188906	CGTCCCAGGCGGGGCGCCGCGGGA	38329	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011152	20_-_26188885_26188903	CCCAGGCGGGGCGCCGCGG	38330	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011153	20_-_26188885_26188904	TCCCAGGCGGGGCGCCGCGG	38331	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011154	20_-_26188886_26188903	CCCAGGCGGGGCGCCGCG	38332	hsa-miR-663a;Derives_from=MI0003672

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011155	20_-_26188886_26188905	GTCCCAGGCGGGGCGCCGCG	38333	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011156	20_-_26188886_26188906	CGTCCCAGGCGGGGCGCCGCG	38334	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011157	20_-_26188887_26188906	CGTCCCAGGCGGGGCGCCGC	38335	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011158	20_-_26188891_26188906	CGTCCCAGGCGGGGCG	38336	hsa-miR-663a;Derives_from=MI0003672
NovelMiR_KnownLoci_ID0011159	20_+_2633425_2633440	TGGGAACGGGTTCCGG	38337	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011160	20_+_2633425_2633441	TGGGAACGGGTTCCGGC	38338	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011161	20_+_2633425_2633442	TGGGAACGGGTTCCGGCA	38339	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011162	20_+_2633425_2633443	TGGGAACGGGTTCCGGCAG	38340	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011163	20_+_2633425_2633444	TGGGAACGGGTTCCGGCAGA	38341	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011164	20_+_2633425_2633445	TGGGAACGGGTTCCGGCAGAC	38342	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011165	20_+_2633425_2633446	TGGGAACGGGTTCCGGCAGACG	38343	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011166	20_+_2633425_2633447	TGGGAACGGGTTCCGGCAGACGC	38344	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011167	20_+_2633425_2633448	TGGGAACGGGTTCCGGCAGACGCT	38345	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011168	20_+_2633425_2633450	TGGGAACGGGTTCCGGCAGACGCTGA	38346	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011169	20_+_2633425_2633451	TGGGAACGGGTTCCGGCAGACGCTGAG	38347	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011170	20_+_2633426_2633443	GGGAACGGGTTCCGGCAG	38348	hsa-miR-1292-5p;Derives_from=MI0006433

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011171	20_+_2633426_2633444	GGGAACGGGTTCCGGCAGA	38349	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011172	20_+_2633426_2633445	GGGAACGGGTTCCGGCAGAC	38350	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011173	20_+_2633426_2633446	GGGAACGGGTTCCGGCAGACG	38351	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011174	20_+_2633426_2633448	GGGAACGGGTTCCGGCAGACGCT	38352	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011175	20_+_2633426_2633449	GGGAACGGGTTCCGGCAGACGCTG	38353	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011176	20_+_2633426_2633450	GGGAACGGGTTCCGGCAGACGCTGA	38354	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011177	20_+_2633427_2633445	GGAACGGGTTCCGGCAGAC	38355	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011178	20_+_2633428_2633450	GAACGGGTTCCGGCAGACGCTGA	38356	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011179	20_+_2633429_2633452	AACGGGTTCCGGCAGACGCTGAGG	38357	hsa-miR-1292-5p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011180	20_+_2633465_2633480	TCGCGCCCCGGCTCCC	38358	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011181	20_+_2633465_2633483	TCGCGCCCCGGCTCCCGTT	38359	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011182	20_+_2633465_2633485	TCGCGCCCCGGCTCCCGTTCC	38360	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011183	20_+_2633466_2633485	CGCGCCCCGGCTCCCGTTCC	38361	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011184	20_+_2633466_2633486	CGCGCCCCGGCTCCCGTTCCA	38362	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011185	20_+_2633466_2633487	CGCGCCCCGGCTCCCGTTCCAG	38363	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011186	20_+_2633466_2633489	CGCGCCCCGGCTCCCGTTCCAGGT	38364	hsa-miR-1292-3p;Derives_from=MI0006433

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011187	20_+_2633467_2633487	GCGCCCCGGCTCCCGTTCCAG	38365	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011188	20_+_2633467_2633488	GCGCCCCGGCTCCCGTTCCAGG	38366	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011189	20_+_2633467_2633489	GCGCCCCGGCTCCCGTTCCAGGT	38367	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011190	20_+_2633468_2633488	CGCCCCGGCTCCCGTTCCAGG	38368	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011191	20_+_2633469_2633489	GCCCCGGCTCCCGTTCCAGGT	38369	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011192	20_+_2633469_2633490	GCCCCGGCTCCCGTTCCAGGTG	38370	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011193	20_+_2633470_2633489	CCCCGGCTCCCGTTCCAGGT	38371	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011194	20_+_2633470_2633490	CCCCGGCTCCCGTTCCAGGTG	38372	hsa-miR-1292-3p;Derives_from=MI0006433
NovelMiR_KnownLoci_ID0011195	20_+_30194984_30195004	GGGGCTCCTGCGTAGGATCTG	38373	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011196	20_+_30194985_30195001	GGGCTCCTGCGTAGGAT	38374	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011197	20_+_30194985_30195003	GGGCTCCTGCGTAGGATCT	38375	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011198	20_+_30194985_30195012	GGGCTCCTGCGTAGGATCTGAGGAGTGG	38376	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011199	20_+_30194986_30195008	GGCTCCTGCGTAGGATCTGAGGA	38377	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011200	20_+_30194987_30195005	GCTCCTGCGTAGGATCTGA	38378	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011201	20_+_30194987_30195007	GCTCCTGCGTAGGATCTGAGG	38379	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011202	20_+_30194988_30195008	CTCCTGCGTAGGATCTGAGGA	38380	hsa-miR-3193;Derives_from=MI0014238

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011203	20_+_30194988_30195009	CTCCTGCGTAGGATCTGAGGAG	38381	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011204	20_+_30194988_30195010	CTCCTGCGTAGGATCTGAGGAGT	38382	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011205	20_+_30194989_30195009	TCCTGCGTAGGATCTGAGGAG	38383	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011206	20_+_30194989_30195011	TCCTGCGTAGGATCTGAGGAGTG	38384	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011207	20_+_30194992_30195010	TGCGTAGGATCTGAGGAGT	38385	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011208	20_+_30194993_30195010	GCGTAGGATCTGAGGAGT	38386	hsa-miR-3193;Derives_from=MI0014238
NovelMiR_KnownLoci_ID0011209	20_+_30825627_30825642	TAGGACTCCAGTGCCC	38387	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011210	20_+_30825627_30825643	TAGGACTCCAGTGCCCT	38388	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011211	20_+_30825627_30825645	TAGGACTCCAGTGCCCTCC	38389	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011212	20_+_30825627_30825647	TAGGACTCCAGTGCCCTCCTC	38390	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011213	20_+_30825627_30825651	TAGGACTCCAGTGCCCTCCTCTCCC	38391	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011214	20_+_30825627_30825652	TAGGACTCCAGTGCCCTCCTCTCCCA	38392	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011215	20_+_30825631_30825655	ACTCCAGTGCCCTCCTCTCCCAAGA	38393	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011216	20_+_30825632_30825653	CTCCAGTGCCCTCCTCTCCCAA	38394	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011217	20_+_30825634_30825656	CCAGTGCCCTCCTCTCCCAAGAG	38395	hsa-miR-1825;Derives_from=MI0008193
NovelMiR_KnownLoci_ID0011218	20_+_30825639_30825656	GCCCTCCTCTCCCAAGAG	38396	hsa-miR-1825;Derives_from=MI0008193

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011219	20_+_32636928_32636945	TTCAGCTTTCCCTTCAGA	38397	hsa-miR-4755-5p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011220	20_+_32636928_32636946	TTCAGCTTTCCCTTCAGAG	38398	hsa-miR-4755-5p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011221	20_+_32636929_32636949	TCAGCTTTCCCTTCAGAGCCT	38399	hsa-miR-4755-5p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011222	20_+_32636934_32636956	TTTCCCTTCAGAGCCTGGCTTTG	38400	hsa-miR-4755-5p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011223	20_+_32636934_32636957	TTTCCCTTCAGAGCCTGGCTTTGG	38401	hsa-miR-4755-5p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011224	20_+_32636940_32636961	TTCAGAGCCTGGCTTTGGCATC	38402	hsa-miR-4755-5p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011225	20_+_32636963_32636983	ATGAAAGCCAGGCTCTGAAGG	38403	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011226	20_+_32636968_32636990	AGCCAGGCTCTGAAGGGAAAGTT	38404	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011227	20_+_32636968_32636991	AGCCAGGCTCTGAAGGGAAAGTTG	38405	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011228	20_+_32636969_32636989	GCCAGGCTCTGAAGGGAAAGT	38406	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011229	20_+_32636969_32636990	GCCAGGCTCTGAAGGGAAAGTT	38407	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011230	20_+_32636970_32636989	CCAGGCTCTGAAGGGAAAGT	38408	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011231	20_+_32636970_32636990	CCAGGCTCTGAAGGGAAAGTT	38409	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011232	20_+_32636970_32636992	CCAGGCTCTGAAGGGAAAGTTGA	38410	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011233	20_+_32636971_32636992	CAGGCTCTGAAGGGAAAGTTGA	38411	hsa-miR-4755-3p;Derives_from=MI0017395
NovelMiR_KnownLoci_ID0011234	20_+_32636975_32636995	CTCTGAAGGGAAAGTTGAATC	38412	hsa-miR-4755-3p;Derives_from=MI0017395

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011235	20_+_33054187_33054208	TATAGTGTGGCTTTCTTAGAGC	38413	hsa-miR-644a;Derives_from=MI0003659
NovelMiR_KnownLoci_ID0011236	20_-_33578206_33578230	AACATCACTGCAAGTCTTAACAGCC	38414	hsa-miR-499b-3p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011237	20_-_33578207_33578230	AACATCACTGCAAGTCTTAACAGC	38415	hsa-miR-499b-3p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011238	20_-_33578210_33578230	AACATCACTGCAAGTCTTAAC	38416	hsa-miR-499b-3p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011239	20_-_33578210_33578231	AAACATCACTGCAAGTCTTAAC	38417	hsa-miR-499b-3p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011240	20_+_33578211_33578227	TTAAGACTTGCAGTGAT	38418	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011241	20_+_33578211_33578228	TTAAGACTTGCAGTGATG	38419	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011242	20_+_33578211_33578229	TTAAGACTTGCAGTGATGT	38420	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011243	20_+_33578211_33578230	TTAAGACTTGCAGTGATGTT	38421	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011244	20_+_33578211_33578232	TTAAGACTTGCAGTGATGTTTA	38422	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011245	20_+_33578211_33578233	TTAAGACTTGCAGTGATGTTTAA	38423	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011246	20_+_33578211_33578234	TTAAGACTTGCAGTGATGTTTAAC	38424	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011247	20_+_33578211_33578236	TTAAGACTTGCAGTGATGTTTAACTC	38425	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011248	20_+_33578211_33578237	TTTAAGACTTGCAGTGATGTTTAACTCC	38426	hsa-miR-499a-5p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011249	20_-_33578212_33578231	AAACATCACTGCAAGTCTTA	38427	hsa-miR-499b-3p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011250	20_+_33578212_33578231	TAAGACTTGCAGTGATGTTT	38428	hsa-miR-499a-5p;Derives_from=MI0003183

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011251	20_-_33578213_33578231	AAACATCACTGCAAGTCTT	38429	hsa-miR-499b-3p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011252	20_-_33578240_33578265	CAGACTTGCTGTGATGTTCACGTGGA	38430	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011253	20_-_33578242_33578266	ACAGACTTGCTGTGATGTTCACGTG	38431	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011254	20_-_33578244_33578262	ACTTGCTGTGATGTTCACG	38432	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011255	20_-_33578244_33578266	ACAGACTTGCTGTGATGTTCACG	38433	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011256	20_-_33578245_33578266	ACAGACTTGCTGTGATGTTCAC	38434	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011257	20_+_33578246_33578264	TGAACATCACAGCAAGTCT	38435	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011258	20_+_33578246_33578266	TGAACATCACAGCAAGTCTGT	38436	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011259	20_-_33578246_33578267	CACAGACTTGCTGTGATGTTCA	38437	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011260	20_+_33578246_33578267	TGAACATCACAGCAAGTCTGTG	38438	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011261	20_+_33578247_33578264	GAACATCACAGCAAGTCT	38439	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011262	20_-_33578247_33578265	CAGACTTGCTGTGATGTTC	38440	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011263	20_+_33578247_33578265	GAACATCACAGCAAGTCTG	38441	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011264	20_-_33578247_33578266	ACAGACTTGCTGTGATGTTC	38442	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011265	20_+_33578247_33578266	GAACATCACAGCAAGTCTGT	38443	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011266	20_-_33578247_33578267	CACAGACTTGCTGTGATGTTC	38444	hsa-miR-499b-5p;Derives_from=MI0017396

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011267	20_+_33578247_33578267	GAACATCACAGCAAGTCTGTG	38445	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011268	20_+_33578247_33578268	GAACATCACAGCAAGTCTGTGC	38446	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011269	20_+_33578247_33578269	GAACATCACAGCAAGTCTGTGCT	38447	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011270	20_+_33578247_33578270	GAACATCACAGCAAGTCTGTGCTG	38448	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011271	20_+_33578248_33578265	AACATCACAGCAAGTCTG	38449	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011272	20_-_33578248_33578266	ACAGACTTGCTGTGATGTT	38450	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011273	20_+_33578248_33578266	AACATCACAGCAAGTCTGT	38451	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011274	20_-_33578248_33578267	CACAGACTTGCTGTGATGTT	38452	hsa-miR-499b-5p;Derives_from=MI0017396
NovelMiR_KnownLoci_ID0011275	20_+_33578248_33578267	AACATCACAGCAAGTCTGTG	38453	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011276	20_+_33578248_33578268	AACATCACAGCAAGTCTGTGC	38454	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011277	20_+_33578248_33578270	AACATCACAGCAAGTCTGTGCTG	38455	hsa-miR-499a-3p;Derives_from=MI0003183
NovelMiR_KnownLoci_ID0011278	20_-_34041806_34041826	AGGAATCTGCATTTTAGAAAG	38456	hsa-miR-1289;Derives_from=MI0006350
NovelMiR_KnownLoci_ID0011279	20_-_34041809_34041834	TGGAGTCCAGGAATCTGCATTTTAGA	38457	hsa-miR-1289;Derives_from=MI0006350
NovelMiR_KnownLoci_ID0011280	20_-_34041814_34041837	GGGTGGAGTCCAGGAATCTGCATT	38458	hsa-miR-1289;Derives_from=MI0006350
NovelMiR_KnownLoci_ID0011281	20_+_37145249_37145271	GCCAAAACTGCAGTTACTTTTGC	38459	hsa-miR-548o-3p;Derives_from=MI0016746
NovelMiR_KnownLoci_ID0011282	20_+_37145250_37145270	CCAAAACTGCAGTTACTTTTG	38460	hsa-miR-548o-3p;Derives_from=MI0016746

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011283	20_+_3898151_3898168	AGCTTCTTTACAGTGCTG	38461	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011284	20_+_3898151_3898170	AGCTTCTTTACAGTGCTGCC	38462	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011285	20_+_3898151_3898171	AGCTTCTTTACAGTGCTGCCT	38463	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011286	20_+_3898151_3898172	AGCTTCTTTACAGTGCTGCCTT	38464	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011287	20_+_3898151_3898174	AGCTTCTTTACAGTGCTGCCTTGT	38465	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011288	20_+_3898151_3898175	AGCTTCTTTACAGTGCTGCCTTGTA	38466	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011289	20_+_3898151_3898176	AGCTTCTTTACAGTGCTGCCTTGTAG	38467	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011290	20_+_3898151_3898177	AGCTTCTTTACAGTGCTGCCTTGTAGC	38468	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011291	20_+_3898151_3898178	AGCTTCTTTACAGTGCTGCCTTGTAGCA	38469	hsa-miR-103a-2-5p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011292	20_-_3898184_3898206	AGCCCTGTACAATGCTGCTTGAC	38470	hsa-miR-103b;Derives_from=MI0007262
NovelMiR_KnownLoci_ID0011293	20_+_3898188_3898205	AGCAGCATTGTACAGGGC	38471	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011294	20_+_3898188_3898207	AGCAGCATTGTACAGGGCTA	38472	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011295	20_+_3898188_3898208	AGCAGCATTGTACAGGGCTAT	38473	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011296	20_+_3898188_3898209	AGCAGCATTGTACAGGGCTATG	38474	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011297	20_+_3898188_3898212	AGCAGCATTGTACAGGGCTATGAAA	38475	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011298	20_+_3898188_3898213	AGCAGCATTGTACAGGGCTATGAAAG	38476	hsa-miR-103a-3p;Derives_from=MI0000108

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011299	20_+_3898188_3898214	AGCAGCATTGTACAGGGCTATGAAAGA	38477	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011300	20_+_3898190_3898212	CAGCATTGTACAGGGCTATGAAA	38478	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011301	20_+_3898192_3898212	GCATTGTACAGGGCTATGAAA	38479	hsa-miR-103a-3p;Derives_from=MI0000108
NovelMiR_KnownLoci_ID0011302	20_+_3797664_3797684	TCCTCATGGGAGTTCGGGGTG	38480	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011303	20_+_3797667_3797687	TCATGGGAGTTCGGGGTGGTT	38481	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011304	20_+_3797667_3797689	TCATGGGAGTTCGGGGTGGTTGC	38482	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011305	20_+_3797668_3797686	CATGGGAGTTCGGGGTGGT	38483	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011306	20_+_3797668_3797687	CATGGGAGTTCGGGGTGGTT	38484	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011307	20_+_3797668_3797688	CATGGGAGTTCGGGGTGGTTG	38485	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011308	20_+_3797668_3797691	CATGGGAGTTCGGGGTGGTTGCTG	38486	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011309	20_+_3797668_3797692	CATGGGAGTTCGGGGTGGTTGCTGG	38487	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011310	20_+_3797669_3797689	ATGGGAGTTCGGGGTGGTTGC	38488	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011311	20_+_3797674_3797690	AGTTCGGGGTGGTTGCT	38489	hsa-miR-6871-5p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011312	20_+_3797697_3797714	CAGCACCCTGTGGCTCCC	38490	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011313	20_+_3797697_3797716	CAGCACCCTGTGGCTCCCAC	38491	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011314	20_+_3797697_3797717	CAGCACCCTGTGGCTCCCACA	38492	hsa-miR-6871-3p;Derives_from=MI0022718

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011315	20_+_39797697_39797719	CAGCACCCTGTGGCTCCCACAGG	38493	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011316	20_+_39797697_39797720	CAGCACCCTGTGGCTCCCACAGGT	38494	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011317	20_+_39797697_39797721	CAGCACCCTGTGGCTCCCACAGGTG	38495	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011318	20_+_39797698_39797717	AGCACCCTGTGGCTCCCACA	38496	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011319	20_+_39797698_39797718	AGCACCCTGTGGCTCCCACAG	38497	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011320	20_+_39797698_39797719	AGCACCCTGTGGCTCCCACAGG	38498	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011321	20_+_39797698_39797721	AGCACCCTGTGGCTCCCACAGGTG	38499	hsa-miR-6871-3p;Derives_from=MI0022718
NovelMiR_KnownLoci_ID0011322	20_+_43036811_43036831	GTTGTGAAAATGAAATGAGCC	38500	hsa-miR-3646;Derives_from=MI0016046
NovelMiR_KnownLoci_ID0011323	20_+_43036813_43036835	TGTGAAAATGAAATGAGCCCAGC	38501	hsa-miR-3646;Derives_from=MI0016046
NovelMiR_KnownLoci_ID0011324	20_+_43036817_43036840	AAAATGAAATGAGCCCAGCCCATT	38502	hsa-miR-3646;Derives_from=MI0016046
NovelMiR_KnownLoci_ID0011325	20_+_43036820_43036838	ATGAAATGAGCCCAGCCCA	38503	hsa-miR-3646;Derives_from=MI0016046
NovelMiR_KnownLoci_ID0011326	20_+_44054155_44054176	ATGGGGTGAGATGGGGAGGAGC	38504	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011327	20_+_44054155_44054177	ATGGGGTGAGATGGGGAGGAGCA	38505	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011328	20_+_44054155_44054178	ATGGGGTGAGATGGGGAGGAGCAG	38506	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011329	20_+_44054155_44054180	ATGGGGTGAGATGGGGAGGAGCAGCC	38507	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011330	20_+_44054155_44054181	ATGGGGTGAGATGGGGAGGAGCAGCCA	38508	hsa-miR-6812-5p;Derives_from=MI0022657

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011331	20_+_44054155_44054182	ATGGGGTGAGATGGGGAGGAGCAGCCAG	38509	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011332	20_+_44054156_44054175	TGGGGTGAGATGGGGAGGAG	38510	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011333	20_+_44054156_44054176	TGGGGTGAGATGGGGAGGAGC	38511	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011334	20_+_44054156_44054177	TGGGGTGAGATGGGGAGGAGCA	38512	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011335	20_+_44054156_44054179	TGGGGTGAGATGGGGAGGAGCAGC	38513	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011336	20_+_44054156_44054180	TGGGGTGAGATGGGGAGGAGCAGCC	38514	hsa-miR-6812-5p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011337	20_+_44054190_44054209	TCACCGCTCTTCCCCTGACC	38515	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011338	20_+_44054193_44054212	CCGCTCTTCCCCTGACCCCA	38516	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011339	20_+_44054193_44054214	CCGCTCTTCCCCTGACCCCAGG	38517	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011340	20_+_44054193_44054215	CCGCTCTTCCCCTGACCCCAGGT	38518	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011341	20_+_44054193_44054216	CCGCTCTTCCCCTGACCCCAGGTT	38519	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011342	20_+_44054194_44054214	CGCTCTTCCCCTGACCCCAGG	38520	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011343	20_+_44054194_44054215	CGCTCTTCCCCTGACCCCAGGT	38521	hsa-miR-6812-3p;Derives_from=MI0022657
NovelMiR_KnownLoci_ID0011344	20_-_44333747_44333770	CATCAGCACCCTATGTCCTTTCTC	38522	hsa-miR-3617-3p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011345	20_-_44333747_44333771	TCATCAGCACCCTATGTCCTTTCTC	38523	hsa-miR-3617-3p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011346	20_-_44333748_44333771	TCATCAGCACCCTATGTCCTTTCT	38524	hsa-miR-3617-3p;Derives_from=MI0016007

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011347	20_-_44333749_44333770	CATCAGCACCCTATGTCCTTTC	38525	hsa-miR-3617-3p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011348	20_-_44333749_44333771	TCATCAGCACCCTATGTCCTTTC	38526	hsa-miR-3617-3p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011349	20_-_44333750_44333771	TCATCAGCACCCTATGTCCTTT	38527	hsa-miR-3617-3p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011350	20_-_44333752_44333772	CTCATCAGCACCCTATGTCCT	38528	hsa-miR-3617-3p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011351	20_-_44333783_44333810	AAAGACATAGTTGCAAGATGGGAT TAGA	38529	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011352	20_-_44333786_44333807	GACATAGTTGCAAGATGGGATT	38530	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011353	20_-_44333786_44333810	AAAGACATAGTTGCAAGATGGGAT T	38531	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011354	20_-_44333787_44333808	AGACATAGTTGCAAGATGGGAT	38532	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011355	20_-_44333787_44333810	AAAGACATAGTTGCAAGATGGGAT	38533	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011356	20_-_44333788_44333810	AAAGACATAGTTGCAAGATGGGA	38534	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011357	20_-_44333790_44333810	AAAGACATAGTTGCAAGATGG	38535	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011358	20_-_44333791_44333810	AAAGACATAGTTGCAAGATG	38536	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011359	20_-_44333792_44333810	AAAGACATAGTTGCAAGAT	38537	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011360	20_-_44333793_44333810	AAAGACATAGTTGCAAGA	38538	hsa-miR-3617-5p;Derives_from=MI0016007
NovelMiR_KnownLoci_ID0011361	20_+_45795621_45795638	AGCATCATGAAGTGCACT	38539	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011362	20_+_45795621_45795640	AGCATCATGAAGTGCACTCA	38540	hsa-miR-3616-5p;Derives_from=MI0016006

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011363	20_+_45795621_45795641	AGCATCATGAAGTGCACTCAT	38541	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011364	20_+_45795621_45795642	AGCATCATGAAGTGCACTCATG	38542	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011365	20_+_45795621_45795643	AGCATCATGAAGTGCACTCATGA	38543	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011366	20_+_45795621_45795645	AGCATCATGAAGTGCACTCATGATA	38544	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011367	20_+_45795628_45795648	TGAAGTGCACTCATGATATGT	38545	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011368	20_+_45795628_45795649	TGAAGTGCACTCATGATATGTT	38546	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011369	20_+_45795628_45795652	TGAAGTGCACTCATGATATGTTTGC	38547	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011370	20_+_45795629_45795649	GAAGTGCACTCATGATATGTT	38548	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011371	20_+_45795629_45795650	GAAGTGCACTCATGATATGTTT	38549	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011372	20_+_45795630_45795654	AAGTGCACTCATGATATGTTTGCC	38550	hsa-miR-3616-5p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011373	20_+_45795667_45795685	ACGAGGGCATTTCATGATG	38551	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011374	20_+_45795667_45795687	ACGAGGGCATTTCATGATGCA	38552	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011375	20_+_45795667_45795688	ACGAGGGCATTTCATGATGCAG	38553	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011376	20_+_45795668_45795683	CGAGGGCATTTCATGA	38554	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011377	20_+_45795668_45795684	CGAGGGCATTTCATGAT	38555	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011378	20_+_45795668_45795685	CGAGGGCATTTCATGATG	38556	hsa-miR-3616-3p;Derives_from=MI0016006

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011379	20_+_45795668_45795686	CGAGGGCATTTCATGATGC	38557	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011380	20_+_45795668_45795687	CGAGGGCATTTCATGATGCA	38558	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011381	20_+_45795668_45795688	CGAGGGCATTTCATGATGCAG	38559	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011382	20_+_45795668_45795689	CGAGGGCATTTCATGATGCAGG	38560	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011383	20_+_45795668_45795691	CGAGGGCATTTCATGATGCAGGCG	38561	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011384	20_+_45795668_45795692	CGAGGGCATTTCATGATGCAGGCGG	38562	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011385	20_+_45795668_45795693	CGAGGGCATTTCATGATGCAGGCGGG	38563	hsa-miR-3616-3p;Derives_from=MI0016006
NovelMiR_KnownLoci_ID0011386	20_+_49202377_49202392	CCCTCCTCTAGGCTGG	38564	hsa-miR-645;Derives_from=MI0003660
NovelMiR_KnownLoci_ID0011387	20_+_49202384_49202405	CTAGGCTGGTACTGCTGATGCT	38565	hsa-miR-645;Derives_from=MI0003660
NovelMiR_KnownLoci_ID0011388	20_+_49202385_49202405	TAGGCTGGTACTGCTGATGCT	38566	hsa-miR-645;Derives_from=MI0003660
NovelMiR_KnownLoci_ID0011389	20_-_50069446_50069470	AGCTCTGCTGCTCACTGGCAGTGTC	38567	hsa-miR-3194-3p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011390	20_-_50069447_50069470	AGCTCTGCTGCTCACTGGCAGTGT	38568	hsa-miR-3194-3p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011391	20_-_50069448_50069470	AGCTCTGCTGCTCACTGGCAGTG	38569	hsa-miR-3194-3p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011392	20_-_50069450_50069470	AGCTCTGCTGCTCACTGGCAG	38570	hsa-miR-3194-3p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011393	20_-_50069451_50069470	AGCTCTGCTGCTCACTGGCA	38571	hsa-miR-3194-3p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011394	20_-_50069482_50069505	GGCCAGCCACCAGGAGGGCTGCGT	38572	hsa-miR-3194-5p;Derives_from=MI0014239

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011395	20_-_50069483_50069505	GGCCAGCCACCAGGAGGGCTGCG	38573	hsa-miR-3194-5p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011396	20_-_50069484_50069505	GGCCAGCCACCAGGAGGGCTGC	38574	hsa-miR-3194-5p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011397	20_-_50069486_50069505	GGCCAGCCACCAGGAGGGCT	38575	hsa-miR-3194-5p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011398	20_-_50069487_50069505	GGCCAGCCACCAGGAGGGC	38576	hsa-miR-3194-5p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011399	20_-_50069488_50069505	GGCCAGCCACCAGGAGGG	38577	hsa-miR-3194-5p;Derives_from=MI0014239
NovelMiR_KnownLoci_ID0011400	20_-_52684955_52684977	CAGAGATGGTTGCCTTCCTATAT	38578	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011401	20_-_52684955_52684978	CCAGAGATGGTTGCCTTCCTATAT	38579	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011402	20_-_52684956_52684976	AGAGATGGTTGCCTTCCTATA	38580	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011403	20_-_52684956_52684977	CAGAGATGGTTGCCTTCCTATA	38581	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011404	20_-_52684956_52684978	CCAGAGATGGTTGCCTTCCTATA	38582	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011405	20_-_52684957_52684976	AGAGATGGTTGCCTTCCTAT	38583	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011406	20_-_52684957_52684977	CAGAGATGGTTGCCTTCCTAT	38584	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011407	20_-_52684958_52684978	CCAGAGATGGTTGCCTTCCTA	38585	hsa-miR-4756-3p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011408	20_-_52684994_52685013	CAGGGAGGCGCTCACTCTCT	38586	hsa-miR-4756-5p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011409	20_-_52684995_52685013	CAGGGAGGCGCTCACTCTC	38587	hsa-miR-4756-5p;Derives_from=MI0017397
NovelMiR_KnownLoci_ID0011410	20_-_52684996_52685013	CAGGGAGGCGCTCACTCT	38588	hsa-miR-4756-5p;Derives_from=MI0017397

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011411	20_-_55896619_55896639	TGTTGCACTTGTCTCAGTGAG	38589	hsa-miR-4325;Derives_from=MI0015865
NovelMiR_KnownLoci_ID0011412	20_-_55896620_55896639	TGTTGCACTTGTCTCAGTGA	38590	hsa-miR-4325;Derives_from=MI0015865
NovelMiR_KnownLoci_ID0011413	20_-_55896621_55896639	TGTTGCACTTGTCTCAGTG	38591	hsa-miR-4325;Derives_from=MI0015865
NovelMiR_KnownLoci_ID0011414	20_-_55896622_55896639	TGTTGCACTTGTCTCAGT	38592	hsa-miR-4325;Derives_from=MI0015865
NovelMiR_KnownLoci_ID0011415	20_+_56470449_56470467	TACAGACCCCGGGGAGCCC	38593	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011416	20_+_56470453_56470472	GACCCCGGGGAGCCCGGCGG	38594	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011417	20_+_56470455_56470472	CCCCGGGGAGCCCGGCGG	38595	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011418	20_+_56470455_56470473	CCCCGGGGAGCCCGGCGGT	38596	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011419	20_+_56470455_56470474	CCCCGGGGAGCCCGGCGGTG	38597	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011420	20_+_56470455_56470475	CCCCGGGGAGCCCGGCGGTGA	38598	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011421	20_+_56470456_56470472	CCCGGGGAGCCCGGCGG	38599	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011422	20_+_56470456_56470473	CCCGGGGAGCCCGGCGGT	38600	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011423	20_+_56470456_56470474	CCCGGGGAGCCCGGCGGTG	38601	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011424	20_+_56470457_56470472	CCGGGGAGCCCGGCGG	38602	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011425	20_+_56470457_56470473	CCGGGGAGCCCGGCGGT	38603	hsa-miR-4532;Derives_from=MI0016899
NovelMiR_KnownLoci_ID0011426	20_+_56470458_56470474	CGGGGAGCCCGGCGGTG	38604	hsa-miR-4532;Derives_from=MI0016899

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011427	20_-_57392677_57392701	AGGGTTGGGTGGAGGCTCTCCTGA	38605	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011428	20_-_57392678_57392699	GGTTGGGTGGAGGCTCTCCTGA	38606	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011429	20_-_57392678_57392701	AGGGTTGGGTGGAGGCTCTCCTGA	38607	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011430	20_-_57392679_57392699	GGTTGGGTGGAGGCTCTCCTG	38608	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011431	20_-_57392679_57392701	AGGGTTGGGTGGAGGCTCTCCTG	38609	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011432	20_-_57392679_57392702	GAGGGTTGGGTGGAGGCTCTCCTG	38610	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011433	20_-_57392680_57392701	AGGGTTGGGTGGAGGCTCTCCT	38611	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011434	20_-_57392680_57392702	GAGGGTTGGGTGGAGGCTCTCCT	38612	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011435	20_-_57392681_57392701	AGGGTTGGGTGGAGGCTCTCC	38613	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011436	20_-_57392682_57392701	AGGGTTGGGTGGAGGCTCTC	38614	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011437	20_-_57392682_57392702	GAGGGTTGGGTGGAGGCTCTC	38615	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011438	20_-_57392683_57392701	AGGGTTGGGTGGAGGCTCT	38616	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011439	20_-_57392683_57392702	GAGGGTTGGGTGGAGGCTCT	38617	hsa-miR-296-3p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011440	20_-_57392711_57392736	AGGGCCCCCCCCTCAATCCTGTTGTGC	38618	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011441	20_-_57392713_57392736	AGGGCCCCCCCCTCAATCCTGTTGT	38619	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011442	20_-_57392714_57392736	AGGGCCCCCCCCTCAATCCTGTTG	38620	hsa-miR-296-5p;Derives_from=MI0000747

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011443	20_-_57392714_57392737	GAGGGCCCCCCCTCAATCCTGTTG	38621	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011444	20_-_57392715_57392736	AGGGCCCCCCCTCAATCCTGTT	38622	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011445	20_-_57392716_57392737	GAGGGCCCCCCCTCAATCCTGT	38623	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011446	20_-_57392717_57392736	AGGGCCCCCCCTCAATCCTG	38624	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011447	20_-_57392717_57392737	GAGGGCCCCCCCTCAATCCTG	38625	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011448	20_-_57392718_57392736	AGGGCCCCCCCTCAATCCT	38626	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011449	20_-_57392720_57392736	AGGGCCCCCCCTCAATC	38627	hsa-miR-296-5p;Derives_from=MI0000747
NovelMiR_KnownLoci_ID0011450	20_-_57393339_57393356	CAGAAGCAGGGAGGTTCT	38628	hsa-miR-298;Derives_from=MI0005523
NovelMiR_KnownLoci_ID0011451	20_+_59053177_59053194	TGGAAGGAGGTTGCCGGA	38629	hsa-miR-4533;Derives_from=MI0016900
NovelMiR_KnownLoci_ID0011452	20_+_59053177_59053199	TGGAAGGAGGTTGCCGGACGCTG	38630	hsa-miR-4533;Derives_from=MI0016900
NovelMiR_KnownLoci_ID0011453	20_+_59053177_59053200	TGGAAGGAGGTTGCCGGACGCTGC	38631	hsa-miR-4533;Derives_from=MI0016900
NovelMiR_KnownLoci_ID0011454	20_+_59053177_59053201	TGGAAGGAGGTTGCCGGACGCTGCT	38632	hsa-miR-4533;Derives_from=MI0016900
NovelMiR_KnownLoci_ID0011455	20_+_59053177_59053202	TGGAAGGAGGTTGCCGGACGCTGCTG	38633	hsa-miR-4533;Derives_from=MI0016900
NovelMiR_KnownLoci_ID0011456	20_+_59139623_59139644	AAAGGTAATTGTGGTTTCTGCC	38634	hsa-miR-548ag;Derives_from=MI0016794
NovelMiR_KnownLoci_ID0011457	20_+_59139623_59139645	AAAGGTAATTGTGGTTTCTGCCA	38635	hsa-miR-548ag;Derives_from=MI0016794

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011458	20_+_59139623_59139646	AAAGGTAATTGTGGTTTCTGCCAT	38636	hsa-miR-548ag;Derives_from=MI0016794
NovelMiR_KnownLoci_ID0011459	20_+_59139623_59139647	AAAGGTAATTGTGGTTTCTGCCATT	38637	hsa-miR-548ag;Derives_from=MI0016794
NovelMiR_KnownLoci_ID0011460	20_+_59139624_59139644	AAGGTAATTGTGGTTTCTGCC	38638	hsa-miR-548ag;Derives_from=MI0016794
NovelMiR_KnownLoci_ID0011461	20_-_60528671_60528686	GGTTCTGACCCCCATG	38639	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011462	20_-_60528674_60528696	GTGAATGATGGGTTCTGACCCCC	38640	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011463	20_-_60528675_60528696	GTGAATGATGGGTTCTGACCCC	38641	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011464	20_-_60528675_60528697	AGTGAATGATGGGTTCTGACCCC	38642	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011465	20_-_60528676_60528696	GTGAATGATGGGTTCTGACCC	38643	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011466	20_-_60528676_60528697	AGTGAATGATGGGTTCTGACCC	38644	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011467	20_-_60528677_60528696	GTGAATGATGGGTTCTGACC	38645	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011468	20_-_60528678_60528696	GTGAATGATGGGTTCTGAC	38646	hsa-miR-1257;Derives_from=MI0006391
NovelMiR_KnownLoci_ID0011469	20_+_60639863_60639882	GCCGCCGCGCCGGGCCCGGG	38647	hsa-miR-3195;Derives_from=MI0014240
NovelMiR_KnownLoci_ID0011470	20_+_60639864_60639884	CCGCCGCGCCGGGCCCGGGTT	38648	hsa-miR-3195;Derives_from=MI0014240
NovelMiR_KnownLoci_ID0011471	20_+_60639865_60639883	CGCCGCGCCGGGCCCGGGT	38649	hsa-miR-3195;Derives_from=MI0014240

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011472	20_+_60639868_60639887	CGCGCCGGGGCCCGGGTTGGC	38650	hsa-miR-3195;Derives_from=MI0014240
NovelMiR_KnownLoci_ID0011473	20_+_60639869_60639886	GCGCCGGGGCCCGGGTTGG	38651	hsa-miR-3195;Derives_from=MI0014240
NovelMiR_KnownLoci_ID0011474	20_+_60639869_60639887	GCGCCGGGGCCCGGGTTGGC	38652	hsa-miR-3195;Derives_from=MI0014240
NovelMiR_KnownLoci_ID0011475	20_-_60907540_60907555	GACCACCCTCCCCCCA	38653	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011476	20_-_60907540_60907559	TGCTGACCACCCTCCCCCCA	38654	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011477	20_-_60907541_60907557	CTGACCACCCTCCCCCC	38655	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011478	20_-_60907543_60907568	TGCCCCACCTGCTGACCACCCTCCCC	38656	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011479	20_-_60907544_60907568	TGCCCCACCTGCTGACCACCCTCCC	38657	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011480	20_-_60907545_60907566	CCCCACCTGCTGACCACCCTCC	38658	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011481	20_-_60907545_60907568	TGCCCCACCTGCTGACCACCCTCC	38659	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011482	20_-_60907546_60907567	CCCCCACCTGCTGACCACCCTC	38660	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011483	20_-_60907547_60907568	TGCCCCACCTGCTGACCACCCT	38661	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011484	20_-_60907547_60907572	GGGCTGCCCCACCTGCTGACCACCCT	38662	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011485	20_-_60907548_60907568	TGCCCCACCTGCTGACCACCC	38663	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011486	20_-_60907549_60907568	TGCCCCACCTGCTGACCACC	38664	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011487	20_-_60907550_60907568	TGCCCCACCTGCTGACCAC	38665	hsa-miR-4758-3p;Derives_from=MI0017399

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011488	20_-_60907551_60907568	TGCCCCACCTGCTGACCA	38666	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011489	20_-_60907552_60907568	TGCCCCACCTGCTGACC	38667	hsa-miR-4758-3p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011490	20_-_60907584_60907602	GCCGGTGGGGCTGGAGTAA	38668	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011491	20_-_60907584_60907603	AGCCGGTGGGGCTGGAGTAA	38669	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011492	20_-_60907584_60907607	TGGGAGCCGGTGGGGCTGGAGTAA	38670	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011493	20_-_60907585_60907601	CCGGTGGGGCTGGAGTA	38671	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011494	20_-_60907585_60907612	GTGAGTGGGAGCCGGTGGGGCTGG AGTA	38672	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011495	20_-_60907586_60907606	GGGAGCCGGTGGGGCTGGAGT	38673	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011496	20_-_60907586_60907607	TGGGAGCCGGTGGGGCTGGAGT	38674	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011497	20_-_60907586_60907612	GTGAGTGGGAGCCGGTGGGGCTGG AGT	38675	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011498	20_-_60907587_60907606	GGGAGCCGGTGGGGCTGGAG	38676	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011499	20_-_60907587_60907612	GTGAGTGGGAGCCGGTGGGGCTGG AG	38677	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011500	20_-_60907589_60907611	TGAGTGGGAGCCGGTGGGGCTGG	38678	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011501	20_-_60907589_60907612	GTGAGTGGGAGCCGGTGGGGCTGG	38679	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011502	20_-_60907591_60907611	TGAGTGGGAGCCGGTGGGGCT	38680	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011503	20_-_60907592_60907607	TGGGAGCCGGTGGGGC	38681	hsa-miR-4758-5p;Derives_from=MI0017399

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011504	20_-_60907592_60907611	TGAGTGGGAGCCCGGTGGGGC	38682	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011505	20_-_60907592_60907612	GTGAGTGGGAGCCGGTGGGGC	38683	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011506	20_-_60907593_60907611	TGAGTGGGAGCCGGTGGGG	38684	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011507	20_-_60907594_60907611	TGAGTGGGAGCCGGTGGG	38685	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011508	20_-_60907596_60907612	GTGAGTGGGAGCCGGTG	38686	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011509	20_-_60907597_60907612	GTGAGTGGGAGCCGGT	38687	hsa-miR-4758-5p;Derives_from=MI0017399
NovelMiR_KnownLoci_ID0011510	20_+_61151558_61151577	TGGAATGTAAAGAAGTATGT	38688	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011511	20_+_61151558_61151580	TGGAATGTAAAGAAGTATGTATC	38689	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011512	20_+_61151558_61151581	TGGAATGTAAAGAAGTATGTATCT	38690	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011513	20_+_61151558_61151582	TGGAATGTAAAGAAGTATGTATCT C	38691	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011514	20_+_61151558_61151583	TGGAATGTAAAGAAGTATGTATCT CA	38692	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011515	20_+_61151558_61151585	TGGAATGTAAAGAAGTATGTATCT CAGG	38693	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011516	20_+_61151559_61151579	GGAATGTAAAGAAGTATGTAT	38694	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011517	20_+_61151559_61151580	GGAATGTAAAGAAGTATGTATC	38695	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011518	20_+_61151559_61151581	GGAATGTAAAGAAGTATGTATCT	38696	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011519	20_+_61151559_61151582	GGAATGTAAAGAAGTATGTATCTC	38697	hsa-miR-1;Derives_from=MI0000651

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011520	20_+_61151560_61151581	GAATGTAAAGAAGTATGTATCT	38698	hsa-miR-1;Derives_from=MI0000651
NovelMiR_KnownLoci_ID0011521	20_+_61162177_61162199	TTTGGTCCCCTTCAACCAGCTGT	38699	hsa-miR-133a-3p;Derives_from=MI0000451
NovelMiR_KnownLoci_ID0011522	20_+_61162178_61162199	TTGGTCCCCTTCAACCAGCTGT	38700	hsa-miR-133a-3p;Derives_from=MI0000451
NovelMiR_KnownLoci_ID0011523	20_+_61162179_61162199	TGGTCCCCTTCAACCAGCTGT	38701	hsa-miR-133a-3p;Derives_from=MI0000451
NovelMiR_KnownLoci_ID0011524	20_+_61162179_61162201	TGGTCCCCTTCAACCAGCTGTAG	38702	hsa-miR-133a-3p;Derives_from=MI0000451
NovelMiR_KnownLoci_ID0011525	20_+_61809864_61809886	TGCGTGTTCACAGCGGACCTTGA	38703	hsa-miR-124-5p;Derives_from=MI0000445
NovelMiR_KnownLoci_ID0011526	20_+_61809865_61809887	GCGTGTTCACAGCGGACCTTGAT	38704	hsa-miR-124-5p;Derives_from=MI0000445
NovelMiR_KnownLoci_ID0011527	20_+_61809903_61809929	TTAAGGCACGCGGTGAATGCCAAGAGA	38705	hsa-miR-124-3p;Derives_from=MI0000445
NovelMiR_KnownLoci_ID0011528	20_+_61809904_61809929	TAAGGCACGCGGTGAATGCCAAGAGA	38706	hsa-miR-124-3p;Derives_from=MI0000445
NovelMiR_KnownLoci_ID0011529	20_+_61870136_61870155	GGGGCGGGGCGGCAGGGGCC	38707	hsa-miR-3196;Derives_from=MI0014241
NovelMiR_KnownLoci_ID0011530	20_+_61870136_61870156	GGGGCGGGGCGGCAGGGGCCT	38708	hsa-miR-3196;Derives_from=MI0014241
NovelMiR_KnownLoci_ID0011531	20_+_61870137_61870157	GGGCGGGGCGGCAGGGGCCTC	38709	hsa-miR-3196;Derives_from=MI0014241
NovelMiR_KnownLoci_ID0011532	20_+_61870139_61870156	GCGGGGCGGCAGGGGCCT	38710	hsa-miR-3196;Derives_from=MI0014241
NovelMiR_KnownLoci_ID0011533	20_+_61870140_61870156	CGGGGCGGCAGGGGCCT	38711	hsa-miR-3196;Derives_from=MI0014241
NovelMiR_KnownLoci_ID0011534	20_+_61870140_61870158	CGGGGCGGCAGGGGCCTCC	38712	hsa-miR-3196;Derives_from=MI0014241
NovelMiR_KnownLoci_ID0011535	20_+_61870143_61870159	GGCGGCAGGGGCCTCCC	38713	hsa-miR-3196;Derives_from=MI0014241

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011536	20_+_61918170_61918188	TGTTCCTCTGTCTCCCAGA	38714	hsa-miR-4326;Derives_from=MI0015866
NovelMiR_KnownLoci_ID0011537	20_+_61918170_61918190	TGTTCCTCTGTCTCCCAGACT	38715	hsa-miR-4326;Derives_from=MI0015866
NovelMiR_KnownLoci_ID0011538	20_+_61918170_61918191	TGTTCCTCTGTCTCCCAGACTC	38716	hsa-miR-4326;Derives_from=MI0015866
NovelMiR_KnownLoci_ID0011539	20_+_61918170_61918192	TGTTCCTCTGTCTCCCAGACTCT	38717	hsa-miR-4326;Derives_from=MI0015866
NovelMiR_KnownLoci_ID0011540	20_+_61918170_61918193	TGTTCCTCTGTCTCCCAGACTCTG	38718	hsa-miR-4326;Derives_from=MI0015866
NovelMiR_KnownLoci_ID0011541	20_+_61918170_61918194	TGTTCCTCTGTCTCCCAGACTCTG G	38719	hsa-miR-4326;Derives_from=MI0015866
NovelMiR_KnownLoci_ID0011542	20_+_62551175_62551201	TGCCCAGGGCCCGGGACAGCGCCA TGG	38720	hsa-miR-941;Derives_from=MI0005766
NovelMiR_KnownLoci_ID0011543	20_+_62551178_62551201	CCAGGGCCCGGGACAGCGCCATGG	38721	hsa-miR-941;Derives_from=MI0005766
NovelMiR_KnownLoci_ID0011544	20_+_62551178_62551202	CCAGGGCCCGGGACAGCGCCATGG A	38722	hsa-miR-941;Derives_from=MI0005766
NovelMiR_KnownLoci_ID0011545	20_+_62551178_62551203	CCAGGGCCCGGGACAGCGCCATGG AA	38723	hsa-miR-941;Derives_from=MI0005766
NovelMiR_KnownLoci_ID0011546	20_-_62572822_62572849	AGGAGGGGTCCCGCACTGGGAGGG GCCC	38724	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011547	20_-_62572823_62572849	AGGAGGGGTCCCGCACTGGGAGGG GCC	38725	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011548	20_-_62572824_62572844	GGGTCCCGCACTGGGAGGGGC	38726	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011549	20_-_62572824_62572846	AGGGGTCCCGCACTGGGAGGGGC	38727	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011550	20_-_62572824_62572849	AGGAGGGGTCCCGCACTGGGAGGG GC	38728	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011551	20_-_62572825_62572847	GAGGGGTCCCGCACTGGGAGGGGG	38729	hsa-miR-1914-3p;Derives_from=MI0008335

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011552	20_-_62572825_62572848	GGAGGGGTCCCGCACTGGGAGGGG	38730	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011553	20_-_62572825_62572849	AGGAGGGGTCCCGCACTGGGAGGGG	38731	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011554	20_-_62572826_62572848	GGAGGGGTCCCGCACTGGGAGGG	38732	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011555	20_-_62572826_62572849	AGGAGGGGTCCCGCACTGGGAGGG	38733	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011556	20_-_62572827_62572846	AGGGGTCCCGCACTGGGAGG	38734	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011557	20_-_62572827_62572847	GAGGGGTCCCGCACTGGGAGG	38735	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011558	20_-_62572827_62572849	AGGAGGGGTCCCGCACTGGGAGG	38736	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011559	20_-_62572828_62572849	AGGAGGGGTCCCGCACTGGGAG	38737	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011560	20_-_62572829_62572848	GGAGGGGTCCCGCACTGGGA	38738	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011561	20_-_62572835_62572854	AGCGCAGGAGGGGTCCCGCA	38739	hsa-miR-1914-3p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011562	20_-_62572860_62572884	CCTGTGCCCGGCCCACTTCTGCTTC	38740	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011563	20_-_62572860_62572885	CCCTGTGCCCGGCCCACTTCTGCTTC	38741	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011564	20_-_62572861_62572885	CCCTGTGCCCGGCCCACTTCTGCTT	38742	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011565	20_-_62572862_62572884	CCTGTGCCCGGCCCACTTCTGCT	38743	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011566	20_-_62572862_62572885	CCCTGTGCCCGGCCCACTTCTGCT	38744	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011567	20_-_62572863_62572884	CCTGTGCCCGGCCCACTTCTGC	38745	hsa-miR-1914-5p;Derives_from=MI0008335

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011568	20_-_62572863_62572885	CCCTGTGCCCGGCCCACTTCTGC	38746	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011569	20_-_62572865_62572884	CCTGTGCCCGGCCCACTTCT	38747	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011570	20_-_62572865_62572885	CCCTGTGCCCGGCCCACTTCT	38748	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011571	20_-_62572866_62572884	CCTGTGCCCGGCCCACTTC	38749	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011572	20_-_62572866_62572885	CCCTGTGCCCGGCCCACTTC	38750	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011573	20_-_62572867_62572885	CCCTGTGCCCGGCCCACTT	38751	hsa-miR-1914-5p;Derives_from=MI0008335
NovelMiR_KnownLoci_ID0011574	20_-_62574046_62574065	TGTGGCTGCACTCACTTCCT	38752	hsa-miR-647;Derives_from=MI0003662
NovelMiR_KnownLoci_ID0011575	20_-_62574053_62574070	TGGCCTGTGGCTGCACTC	38753	hsa-miR-647;Derives_from=MI0003662
NovelMiR_KnownLoci_ID0011576	20_-_62708302_62708321	GCCCCTCTCCCCAGACCCCC	38754	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011577	20_-_62708303_62708328	AACCTTGGCCCCTCTCCCCAGACCCC	38755	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011578	20_-_62708304_62708328	AACCTTGGCCCCTCTCCCCAGACCC	38756	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011579	20_-_62708305_62708328	AACCTTGGCCCCTCTCCCCAGACC	38757	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011580	20_-_62708306_62708327	ACCTTGGCCCCTCTCCCCAGAC	38758	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011581	20_-_62708306_62708328	AACCTTGGCCCCTCTCCCCAGAC	38759	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011582	20_-_62708307_62708327	ACCTTGGCCCCTCTCCCCAGA	38760	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011583	20_-_62708307_62708328	AACCTTGGCCCCTCTCCCCAGA	38761	hsa-miR-6813-3p;Derives_from=MI0022658

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011584	20_-_62708309_62708328	AACCTTGGCCCCTCTCCCCA	38762	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011585	20_-_62708311_62708328	AACCTTGGCCCCTCTCCC	38763	hsa-miR-6813-3p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011586	20_-_62708335_62708358	CAGGGGCTGGGGTTTCAGGTTCTC	38764	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011587	20_-_62708336_62708357	AGGGGCTGGGGTTTCAGGTTCT	38765	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011588	20_-_62708337_62708357	AGGGGCTGGGGTTTCAGGTTC	38766	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011589	20_-_62708337_62708358	CAGGGGCTGGGGTTTCAGGTTC	38767	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011590	20_-_62708337_62708359	GCAGGGGCTGGGGTTTCAGGTTC	38768	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011591	20_-_62708338_62708357	AGGGGCTGGGGTTTCAGGTT	38769	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011592	20_-_62708338_62708358	CAGGGGCTGGGGTTTCAGGTT	38770	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011593	20_-_62708339_62708358	CAGGGGCTGGGGTTTCAGGT	38771	hsa-miR-6813-5p;Derives_from=MI0022658
NovelMiR_KnownLoci_ID0011594	2_+_101925911_101925929	AGTGCTCATTTAAGTAGTC	38772	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011595	2_+_101925911_101925931	AGTGCTCATTTAAGTAGTCTG	38773	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011596	2_+_101925911_101925932	AGTGCTCATTTAAGTAGTCTGA	38774	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011597	2_+_101925911_101925934	AGTGCTCATTTAAGTAGTCTGATG	38775	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011598	2_+_101925912_101925931	GTGCTCATTTAAGTAGTCTG	38776	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011599	2_+_101925912_101925932	GTGCTCATTTAAGTAGTCTGA	38777	hsa-miR-5696;Derives_from=MI0019303

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011600	2_+_101925913_101925932	TGCTCATTTAAGTAGTCTGA	38778	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011601	2_+_101925913_101925933	TGCTCATTTAAGTAGTCTGAT	38779	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011602	2_+_101925913_101925934	TGCTCATTTAAGTAGTCTGATG	38780	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011603	2_+_101925913_101925936	TGCTCATTTAAGTAGTCTGATGCC	38781	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011604	2_+_101925914_101925936	GCTCATTTAAGTAGTCTGATGCC	38782	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011605	2_+_101925915_101925934	CTCATTTAAGTAGTCTGATG	38783	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011606	2_+_101925915_101925935	CTCATTTAAGTAGTCTGATGC	38784	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011607	2_+_101925915_101925937	CTCATTTAAGTAGTCTGATGCCT	38785	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011608	2_+_101925917_101925937	CATTTAAGTAGTCTGATGCCT	38786	hsa-miR-5696;Derives_from=MI0019303
NovelMiR_KnownLoci_ID0011609	2_+_103048758_103048776	TCTGATCAGGCAAAATTGC	38787	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011610	2_+_103048758_103048777	TCTGATCAGGCAAAATTGCA	38788	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011611	2_+_103048758_103048778	TCTGATCAGGCAAAATTGCAG	38789	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011612	2_+_103048758_103048779	TCTGATCAGGCAAAATTGCAGA	38790	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011613	2_+_103048758_103048780	TCTGATCAGGCAAAATTGCAGAC	38791	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011614	2_+_103048758_103048781	TCTGATCAGGCAAAATTGCAGACT	38792	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011615	2_+_103048759_103048779	CTGATCAGGCAAAATTGCAGA	38793	hsa-miR-4772-5p;Derives_from=MI0017414

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011616	2_+_103048759_103048781	CTGATCAGGCAAAATTGCAGACT	38794	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011617	2_+_103048759_103048782	CTGATCAGGCAAAATTGCAGACTG	38795	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011618	2_+_103048760_103048779	TGATCAGGCAAAATTGCAGA	38796	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011619	2_+_103048760_103048780	TGATCAGGCAAAATTGCAGAC	38797	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011620	2_+_103048760_103048782	TGATCAGGCAAAATTGCAGACTG	38798	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011621	2_+_103048760_103048783	TGATCAGGCAAAATTGCAGACTGT	38799	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011622	2_+_103048760_103048784	TGATCAGGCAAAATTGCAGACTGT C	38800	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011623	2_+_103048761_103048781	GATCAGGCAAAATTGCAGACT	38801	hsa-miR-4772-5p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011624	2_+_103048796_103048811	CCTGCAACTTTGCCTG	38802	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011625	2_+_103048796_103048814	CCTGCAACTTTGCCTGATC	38803	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011626	2_+_103048796_103048815	CCTGCAACTTTGCCTGATCA	38804	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011627	2_+_103048796_103048816	CCTGCAACTTTGCCTGATCAG	38805	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011628	2_+_103048796_103048818	CCTGCAACTTTGCCTGATCAGAG	38806	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011629	2_+_103048796_103048819	CCTGCAACTTTGCCTGATCAGAGG	38807	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011630	2_+_103048798_103048818	TGCAACTTTGCCTGATCAGAG	38808	hsa-miR-4772-3p;Derives_from=MI0017414
NovelMiR_KnownLoci_ID0011631	2_+_103048798_103048819	TGCAACTTTGCCTGATCAGAGG	38809	hsa-miR-4772-3p;Derives_from=MI0017414

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011632	2_-_109757954_109757977	CAGCTGTGGGCTCAGCTCTGGGCT	38810	hsa-miR-4265;Derives_from=MI0015869
NovelMiR_KnownLoci_ID0011633	2_-_109757955_109757977	CAGCTGTGGGCTCAGCTCTGGGC	38811	hsa-miR-4265;Derives_from=MI0015869
NovelMiR_KnownLoci_ID0011634	2_-_109757956_109757977	CAGCTGTGGGCTCAGCTCTGGG	38812	hsa-miR-4265;Derives_from=MI0015869
NovelMiR_KnownLoci_ID0011635	2_-_109757957_109757977	CAGCTGTGGGCTCAGCTCTGG	38813	hsa-miR-4265;Derives_from=MI0015869
NovelMiR_KnownLoci_ID0011636	2_-_109757958_109757977	CAGCTGTGGGCTCAGCTCTG	38814	hsa-miR-4265;Derives_from=MI0015869
NovelMiR_KnownLoci_ID0011637	2_-_109757959_109757977	CAGCTGTGGGCTCAGCTCT	38815	hsa-miR-4265;Derives_from=MI0015869
NovelMiR_KnownLoci_ID0011638	2_-_114478869_114478884	TATCTAGAACTGGGCA	38816	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011639	2_-_114478869_114478888	TTCATATCTAGAACTGGGCA	38817	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011640	2_-_114478870_114478896	TGATTGTCTTCATATCTAGAACTGGGC	38818	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011641	2_-_114478871_114478893	TTGTCTTCATATCTAGAACTGGG	38819	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011642	2_-_114478873_114478888	TTCATATCTAGAACTG	38820	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011643	2_-_114478873_114478896	TGATTGTCTTCATATCTAGAACTG	38821	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011644	2_-_114478874_114478894	ATTGTCTTCATATCTAGAACT	38822	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011645	2_-_114478874_114478895	GATTGTCTTCATATCTAGAACT	38823	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011646	2_-_114478874_114478896	TGATTGTCTTCATATCTAGAACT	38824	hsa-miR-4782-3p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011647	2_-_114478877_114478898	CTTGATTGTCTTCATATCTAGA	38825	hsa-miR-4782-3p;Derives_from=MI0017427

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011648	2_-_114478909_114478935	TCTGGATATGAAGACAATCAAGAAAAG	38826	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011649	2_-_114478910_114478935	TCTGGATATGAAGACAATCAAGAAAA	38827	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011650	2_-_114478911_114478935	TCTGGATATGAAGACAATCAAGAAA	38828	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011651	2_-_114478913_114478935	TCTGGATATGAAGACAATCAAGA	38829	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011652	2_-_114478913_114478936	TTCTGGATATGAAGACAATCAAGA	38830	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011653	2_-_114478915_114478935	TCTGGATATGAAGACAATCAA	38831	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011654	2_-_114478916_114478936	TTCTGGATATGAAGACAATCA	38832	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011655	2_-_114478917_114478936	TTCTGGATATGAAGACAATC	38833	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011656	2_-_114478918_114478936	TTCTGGATATGAAGACAAT	38834	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011657	2_-_114478926_114478942	GCCCAGTTCTGGATATG	38835	hsa-miR-4782-5p;Derives_from=MI0017427
NovelMiR_KnownLoci_ID0011658	2_-_11680774_11680797	AAAAGCTGGGCTGAGAGGCGACTG	38836	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011659	2_-_11680775_11680797	AAAAGCTGGGCTGAGAGGCGACT	38837	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011660	2_-_11680776_11680797	AAAAGCTGGGCTGAGAGGCGAC	38838	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011661	2_-_11680776_11680798	GAAAAGCTGGGCTGAGAGGCGAC	38839	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011662	2_-_11680777_11680796	AAAGCTGGGCTGAGAGGCGA	38840	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011663	2_-_11680777_11680797	AAAAGCTGGGCTGAGAGGCGA	38841	hsa-miR-4429;Derives_from=MI0016768

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011664	2_-_11680777_11680798	GAAAAGCTGGGCTGAGAGGCGA	38842	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011665	2_-_11680778_11680796	AAAGCTGGGCTGAGAGGCG	38843	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011666	2_-_11680779_11680797	AAAAGCTGGGCTGAGAGGC	38844	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011667	2_-_11680780_11680797	AAAAGCTGGGCTGAGAGG	38845	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011668	2_-_11680780_11680798	GAAAAGCTGGGCTGAGAGG	38846	hsa-miR-4429;Derives_from=MI0016768
NovelMiR_KnownLoci_ID0011669	21_+_17911421_17911438	AACCCGTAGATCCGATCT	38847	hsa-miR-99a-5p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011670	21_+_17911421_17911439	AACCCGTAGATCCGATCTT	38848	hsa-miR-99a-5p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011671	21_+_17911421_17911440	AACCCGTAGATCCGATCTTG	38849	hsa-miR-99a-5p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011672	21_+_17911421_17911441	AACCCGTAGATCCGATCTTGT	38850	hsa-miR-99a-5p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011673	21_+_17911421_17911443	AACCCGTAGATCCGATCTTGTGG	38851	hsa-miR-99a-5p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011674	21_+_17911421_17911444	AACCCGTAGATCCGATCTTGTGGT	38852	hsa-miR-99a-5p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011675	21_+_17911458_17911473	CAAGCTCGCTTCTATG	38853	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011676	21_+_17911458_17911474	CAAGCTCGCTTCTATGG	38854	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011677	21_+_17911458_17911475	CAAGCTCGCTTCTATGGG	38855	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011678	21_+_17911458_17911476	CAAGCTCGCTTCTATGGGT	38856	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011679	21_+_17911458_17911477	CAAGCTCGCTTCTATGGGTC	38857	hsa-miR-99a-3p;Derives_from=MI0000101

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011680	21_+_17911458_17911478	CAAGCTCGCTTCTATGGGTCT	38858	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011681	21_+_17911458_17911480	CAAGCTCGCTTCTATGGGTCTGT	38859	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011682	21_+_17911458_17911481	CAAGCTCGCTTCTATGGGTCTGTG	38860	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011683	21_+_17911458_17911482	CAAGCTCGCTTCTATGGGTCTGTGT	38861	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011684	21_+_17911458_17911483	CAAGCTCGCTTCTATGGGTCTGTGTC	38862	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011685	21_+_17911459_17911480	AAGCTCGCTTCTATGGGTCTGT	38863	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011686	21_+_17911459_17911483	AAGCTCGCTTCTATGGGTCTGTGTC	38864	hsa-miR-99a-3p;Derives_from=MI0000101
NovelMiR_KnownLoci_ID0011687	21_+_17912158_17912176	TGAGGTAGTAGGTTGTATG	38865	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011688	21_+_17912158_17912177	TGAGGTAGTAGGTTGTATGG	38866	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011689	21_+_17912158_17912178	TGAGGTAGTAGGTTGTATGGT	38867	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011690	21_+_17912158_17912180	TGAGGTAGTAGGTTGTATGGTTT	38868	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011691	21_+_17912158_17912181	TGAGGTAGTAGGTTGTATGGTTTA	38869	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011692	21_+_17912158_17912183	TGAGGTAGTAGGTTGTATGGTTTAGA	38870	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011693	21_+_17912158_17912184	TGAGGTAGTAGGTTGTATGGTTTAGAG	38871	hsa-let-7c-5p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011694	21_+_17912197_17912223	AGTTAACTGTACAACCTTCTAGCTTTC	38872	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011695	21_+_17912199_17912223	TTAACTGTACAACCTTCTAGCTTTC	38873	hsa-let-7c-3p;Derives_from=MI0000064

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011696	21_+_17912201_17912221	AACTGTACAACCTTCTAGCTT	38874	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011697	21_+_17912203_17912220	CTGTACAACCTTCTAGCT	38875	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011698	21_+_17912203_17912221	CTGTACAACCTTCTAGCTT	38876	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011699	21_+_17912203_17912222	CTGTACAACCTTCTAGCTTT	38877	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011700	21_+_17912203_17912223	CTGTACAACCTTCTAGCTTTC	38878	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011701	21_+_17912203_17912225	CTGTACAACCTTCTAGCTTTCCT	38879	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011702	21_+_17912203_17912226	CTGTACAACCTTCTAGCTTTCCTT	38880	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011703	21_+_17912204_17912224	TGTACAACCTTCTAGCTTTCC	38881	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011704	21_+_17912204_17912225	TGTACAACCTTCTAGCTTTCCT	38882	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011705	21_+_17912204_17912226	TGTACAACCTTCTAGCTTTCCTT	38883	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011706	21_+_17912208_17912229	CAACCTTCTAGCTTTCCTTGGA	38884	hsa-let-7c-3p;Derives_from=MI0000064
NovelMiR_KnownLoci_ID0011707	21_+_17962570_17962591	TAGTCCCTGAGACCCTAACTTG	38885	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011708	21_+_17962573_17962589	TCCCTGAGACCCTAACT	38886	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011709	21_+_17962573_17962593	TCCCTGAGACCCTAACTTGTG	38887	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011710	21_+_17962573_17962595	TCCCTGAGACCCTAACTTGTGAG	38888	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011711	21_+_17962573_17962596	TCCCTGAGACCCTAACTTGTGAGG	38889	hsa-miR-125b-5p;Derives_from=MI0000470

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011712	21_+_17962573_17962597	TCCCTGAGACCCTAACTTGTGAGGT	38890	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011713	21_+_17962574_17962594	CCCTGAGACCCTAACTTGTGA	38891	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011714	21_+_17962576_17962595	CTGAGACCCTAACTTGTGAG	38892	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011715	21_+_17962576_17962597	CTGAGACCCTAACTTGTGAGGT	38893	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011716	21_+_17962576_17962600	CTGAGACCCTAACTTGTGAGGTAT T	38894	hsa-miR-125b-5p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011717	21_+_17962609_17962630	ATCACAAGTCAGGCTCTTGGGA	38895	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011718	21_+_17962609_17962631	ATCACAAGTCAGGCTCTTGGGAC	38896	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011719	21_+_17962609_17962632	ATCACAAGTCAGGCTCTTGGGACC	38897	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011720	21_+_17962610_17962632	TCACAAGTCAGGCTCTTGGGACC	38898	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011721	21_+_17962612_17962630	ACAAGTCAGGCTCTTGGGA	38899	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011722	21_+_17962612_17962631	ACAACTCAGGCTCTTGGGAC	38900	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011723	21_+_17962612_17962632	ACAAGTCAGGCTCTTGGGACC	38901	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011724	21_+_17962612_17962633	ACAAGTCAGGCTCTTGGGACCT	38902	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011725	21_+_17962612_17962634	ACAAGTCAGGCTCTTGGGACCTA	38903	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011726	21_+_17962612_17962635	ACAAGTCAGGCTCTTGGGACCTAG	38904	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011727	21_+_17962612_17962636	ACAAGTCAGGCTCTTGGGACCTAG G	38905	hsa-miR-125b-2-3p;Derives_from=MI0000470

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011728	21_+_17962617_17962633	TCAGGCTCTTGGGACCT	38906	hsa-miR-125b-2-3p;Derives_from=MI0000470
NovelMiR_KnownLoci_ID0011729	2_+_11907619_11907638	TAATGGCCAAAACTGCAGTT	38907	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011730	2_+_11907619_11907639	TAATGGCCAAAACTGCAGTTA	38908	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011731	2_+_11907619_11907640	TAATGGCCAAAACTGCAGTTAT	38909	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011732	2_+_11907619_11907641	TAATGGCCAAAACTGCAGTTATT	38910	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011733	2_+_11907620_11907641	AATGGCCAAAACTGCAGTTATT	38911	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011734	2_+_11907621_11907640	ATGGCCAAAACTGCAGTTAT	38912	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011735	2_+_11907621_11907641	ATGGCCAAAACTGCAGTTATT	38913	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011736	2_+_11907621_11907642	ATGGCCAAAACTGCAGTTATTT	38914	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011737	2_+_11907621_11907644	ATGGCCAAAACTGCAGTTATTTTT	38915	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011738	2_+_11907622_11907641	TGGCCAAAACTGCAGTTATT	38916	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011739	2_+_11907622_11907642	TGGCCAAAACTGCAGTTATTT	38917	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011740	2_+_11907622_11907643	TGGCCAAAACTGCAGTTATTTT	38918	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011741	2_+_11907625_11907646	CCAAAACTGCAGTTATTTTTGC	38919	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011742	2_+_11907625_11907649	CCAAAACTGCAGTTATTTTTGCAC C	38920	hsa-miR-548s;Derives_from=MI0014141
NovelMiR_KnownLoci_ID0011743	2_-_11977065_11977088	GGGGACATTCAGACTACCTGCAGC	38921	hsa-miR-4262;Derives_from=MI0015872

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011744	2_-_11977066_11977088	GGGGACATTCAGACTACCTGCAG	38922	hsa-miR-4262;Derives_from=MI0015872
NovelMiR_KnownLoci_ID0011745	2_-_11977067_11977088	GGGGACATTCAGACTACCTGCA	38923	hsa-miR-4262;Derives_from=MI0015872
NovelMiR_KnownLoci_ID0011746	2_-_11977068_11977088	GGGGACATTCAGACTACCTGC	38924	hsa-miR-4262;Derives_from=MI0015872
NovelMiR_KnownLoci_ID0011747	2_-_11977069_11977088	GGGGACATTCAGACTACCTG	38925	hsa-miR-4262;Derives_from=MI0015872
NovelMiR_KnownLoci_ID0011748	2_-_11977070_11977088	GGGGACATTCAGACTACCT	38926	hsa-miR-4262;Derives_from=MI0015872
NovelMiR_KnownLoci_ID0011749	2_+_12339264_12339283	TAGTGGATGATGCACTCTGT	38927	hsa-miR-3681-5p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011750	2_+_12339264_12339284	TAGTGGATGATGCACTCTGTG	38928	hsa-miR-3681-5p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011751	2_+_12339264_12339286	TAGTGGATGATGCACTCTGTGCA	38929	hsa-miR-3681-5p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011752	2_+_12339264_12339287	TAGTGGATGATGCACTCTGTGCAG	38930	hsa-miR-3681-5p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011753	2_+_12339265_12339285	AGTGGATGATGCACTCTGTGC	38931	hsa-miR-3681-5p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011754	2_+_12339265_12339286	AGTGGATGATGCACTCTGTGCA	38932	hsa-miR-3681-5p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011755	2_+_12339299_12339318	CACACAGTGCTTCATCCACT	38933	hsa-miR-3681-3p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011756	2_+_12339299_12339320	CACACAGTGCTTCATCCACTAC	38934	hsa-miR-3681-3p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011757	2_+_12339299_12339321	CACACAGTGCTTCATCCACTACT	38935	hsa-miR-3681-3p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011758	2_+_12339300_12339319	ACACAGTGCTTCATCCACTA	38936	hsa-miR-3681-3p;Derives_from=MI0016082
NovelMiR_KnownLoci_ID0011759	2_+_12339300_12339322	ACACAGTGCTTCATCCACTACTG	38937	hsa-miR-3681-3p;Derives_from=MI0016082

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011760	21_+_24451676_24451693	TGAGGGAGTGGATTGTAT	38938	hsa-miR-6130;Derives_from=MI0021275
NovelMiR_KnownLoci_ID0011761	21_+_24451676_24451695	TGAGGGAGTGGATTGTATGG	38939	hsa-miR-6130;Derives_from=MI0021275
NovelMiR_KnownLoci_ID0011762	21_+_24451676_24451696	TGAGGGAGTGGATTGTATGGT	38940	hsa-miR-6130;Derives_from=MI0021275
NovelMiR_KnownLoci_ID0011763	21_+_26946295_26946311	TTAATGCTAATCGTGAT	38941	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011764	21_+_26946295_26946313	TTAATGCTAATCGTGATAG	38942	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011765	21_+_26946295_26946314	TTAATGCTAATCGTGATAGG	38943	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011766	21_+_26946295_26946315	TTAATGCTAATCGTGATAGGG	38944	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011767	21_+_26946295_26946316	TTAATGCTAATCGTGATAGGGG	38945	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011768	21_+_26946295_26946318	TTAATGCTAATCGTGATAGGGGTT	38946	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011769	21_+_26946295_26946319	TTAATGCTAATCGTGATAGGGGTTT	38947	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011770	21_+_26946328_26946354	AACTGACTCCTACATATTAGCATTAAC	38948	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011771	21_+_26946332_26946354	GACTCCTACATATTAGCATTAAC	38949	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011772	21_+_26946333_26946352	ACTCCTACATATTAGCATTA	38950	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011773	21_+_26946334_26946350	CTCCTACATATTAGCAT	38951	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011774	21_+_26946334_26946351	CTCCTACATATTAGCATT	38952	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011775	21_+_26946334_26946352	CTCCTACATATTAGCATTA	38953	hsa-miR-155-3p;Derives_from=MI0000681

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011776	21_+_26946334_26946353	CTCCTACATATTAGCATTAA	38954	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011777	21_+_26946334_26946354	CTCCTACATATTAGCATTAAC	38955	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011778	21_+_26946334_26946356	CTCCTACATATTAGCATTAACAG	38956	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011779	21_+_26946334_26946357	CTCCTACATATTAGCATTAACAGT	38957	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011780	21_+_26946336_26946355	CCTACATATTAGCATTAACA	38958	hsa-miR-155-3p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0011781	2_-_128181119_128181144	CCCCGGTGTTGGGGCGCGTCTGCCGC	38959	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011782	2_-_128181120_128181144	CCCCGGTGTTGGGGCGCGTCTGCCG	38960	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011783	2_-_128181121_128181144	CCCCGGTGTTGGGGCGCGTCTGCC	38961	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011784	2_-_128181122_128181143	CCCGGTGTTGGGGCGCGTCTGC	38962	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011785	2_-_128181123_128181144	CCCCGGTGTTGGGGCGCGTCTG	38963	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011786	2_-_128181124_128181143	CCCGGTGTTGGGGCGCGTCT	38964	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011787	2_-_128181124_128181144	CCCCGGTGTTGGGGCGCGTCT	38965	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011788	2_-_128181125_128181144	CCCCGGTGTTGGGGCGCGTC	38966	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011789	2_-_128181126_128181144	CCCCGGTGTTGGGGCGCGT	38967	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011790	2_-_128181128_128181144	CCCCGGTGTTGGGGCGC	38968	hsa-miR-4783-3p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011791	2_-_128181129_128181144	CCCCGGTGTTGGGGCG	38969	hsa-miR-4783-3p;Derives_from=MI0017428

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011792	2_-_128181157_128181174	CAGCTCCCGGGCTGATTG	38970	hsa-miR-4783-5p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011793	2_-_128181161_128181182	GGCGCGCCCAGCTCCCGGGCTG	38971	hsa-miR-4783-5p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011794	2_-_128181166_128181183	GGGCGCGCCCAGCTCCCG	38972	hsa-miR-4783-5p;Derives_from=MI0017428
NovelMiR_KnownLoci_ID0011795	21_+_28326278_28326293	CTCATTTAGGACTAGA	38973	hsa-miR-4759;Derives_from=MI0017400
NovelMiR_KnownLoci_ID0011796	21_+_28326278_28326294	CTCATTTAGGACTAGAT	38974	hsa-miR-4759;Derives_from=MI0017400
NovelMiR_KnownLoci_ID0011797	2_+_12877501_12877522	GTAGAGGAAGCTGTGGAGAGAA	38975	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011798	2_+_12877501_12877524	GTAGAGGAAGCTGTGGAGAGAACT	38976	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011799	2_+_12877502_12877522	TAGAGGAAGCTGTGGAGAGAA	38977	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011800	2_+_12877502_12877523	TAGAGGAAGCTGTGGAGAGAAC	38978	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011801	2_+_12877502_12877524	TAGAGGAAGCTGTGGAGAGAACT	38979	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011802	2_+_12877502_12877526	TAGAGGAAGCTGTGGAGAGAACTC A	38980	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011803	2_+_12877502_12877527	TAGAGGAAGCTGTGGAGAGAACTC AC	38981	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011804	2_+_12877503_12877523	AGAGGAAGCTGTGGAGAGAAC	38982	hsa-miR-3125;Derives_from=MI0014142
NovelMiR_KnownLoci_ID0011805	21_-_31747670_31747692	TGGGTAGGCTTGCATGGGGGACT	38983	hsa-miR-4327;Derives_from=MI0015867
NovelMiR_KnownLoci_ID0011806	21_-_31747672_31747692	TGGGTAGGCTTGCATGGGGGA	38984	hsa-miR-4327;Derives_from=MI0015867
NovelMiR_KnownLoci_ID0011807	2_-_132248776_132248793	ATGCTGGGACTGAGAGTG	38985	hsa-miR-4784;Derives_from=MI0017429

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011808	2_-_132248778_132248800	TGAGGAGATGCTGGGACTGAGAG	38986	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011809	2_-_132248779_132248800	TGAGGAGATGCTGGGACTGAGA	38987	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011810	2_-_132248779_132248801	CTGAGGAGATGCTGGGACTGAGA	38988	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011811	2_-_132248780_132248800	TGAGGAGATGCTGGGACTGAG	38989	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011812	2_-_132248780_132248801	CTGAGGAGATGCTGGGACTGAG	38990	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011813	2_-_132248780_132248802	GCTGAGGAGATGCTGGGACTGAG	38991	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011814	2_-_132248782_132248803	GGCTGAGGAGATGCTGGGACTG	38992	hsa-miR-4784;Derives_from=MI0017429
NovelMiR_KnownLoci_ID0011815	2_-_133014537_133014554	CCGTGCCTGAGGTTTCTC	38993	hsa-miR-663b;Derives_from=MI0006336
NovelMiR_KnownLoci_ID0011816	2_-_133014537_133014555	GCCGTGCCTGAGGTTTCTC	38994	hsa-miR-663b;Derives_from=MI0006336
NovelMiR_KnownLoci_ID0011817	2_-_133014537_133014558	CCGGCCGTGCCTGAGGTTTCTC	38995	hsa-miR-663b;Derives_from=MI0006336
NovelMiR_KnownLoci_ID0011818	2_+_134884701_134884720	TGAGGATATGGCAGGGAAGG	38996	hsa-miR-3679-5p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011819	2_+_134884701_134884721	TGAGGATATGGCAGGGAAGGG	38997	hsa-miR-3679-5p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011820	2_+_134884701_134884722	TGAGGATATGGCAGGGAAGGGG	38998	hsa-miR-3679-5p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011821	2_+_134884701_134884724	TGAGGATATGGCAGGGAAGGGGAG	38999	hsa-miR-3679-5p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011822	2_+_134884701_134884725	TGAGGATATGGCAGGGAAGGGGAG T	39000	hsa-miR-3679-5p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011823	2_+_134884704_134884723	GGATATGGCAGGGAAGGGGA	39001	hsa-miR-3679-5p;Derives_from=MI0016080

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011824	2_+_134884737_134884760	CCCTTCCCCCCAGTAATCTTCATC	39002	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011825	2_+_134884738_134884760	CCTTCCCCCCAGTAATCTTCATC	39003	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011826	2_+_134884739_134884758	CTTCCCCCCAGTAATCTTCA	39004	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011827	2_+_134884739_134884759	CTTCCCCCCAGTAATCTTCAT	39005	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011828	2_+_134884739_134884761	CTTCCCCCCAGTAATCTTCATCA	39006	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011829	2_+_134884739_134884762	CTTCCCCCCAGTAATCTTCATCAT	39007	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011830	2_+_134884739_134884763	CTTCCCCCCAGTAATCTTCATCATG	39008	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011831	2_+_134884740_134884761	TTCCCCCCAGTAATCTTCATCA	39009	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011832	2_+_134884742_134884763	CCCCCCAGTAATCTTCATCATG	39010	hsa-miR-3679-3p;Derives_from=MI0016080
NovelMiR_KnownLoci_ID0011833	21_+_34922964_34922981	CACAGGAGTTGCCAGGGC	39011	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011834	21_+_34922965_34922989	ACAGGAGTTGCCAGGGCTGCCTTTG	39012	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011835	21_+_34922966_34922984	CAGGAGTTGCCAGGGCTGC	39013	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011836	21_+_34922969_34922993	GAGTTGCCAGGGCTGCCTTTGGTGA	39014	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011837	21_+_34922970_34922988	AGTTGCCAGGGCTGCCTTT	39015	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011838	21_+_34922970_34922989	AGTTGCCAGGGCTGCCTTTG	39016	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011839	21_+_34922970_34922990	AGTTGCCAGGGCTGCCTTTGG	39017	hsa-miR-6501-5p;Derives_from=MI0022213

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011840	21_+_34922970_34922992	AGTTGCCAGGGCTGCCTTTGGTG	39018	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011841	21_+_34922970_34922993	AGTTGCCAGGGCTGCCTTTGGTGA	39019	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011842	21_+_34922970_34922994	AGTTGCCAGGGCTGCCTTTGGTGAC	39020	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011843	21_+_34922970_34922995	AGTTGCCAGGGCTGCCTTTGGTGACA	39021	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011844	21_+_34922973_34922997	TGCCAGGGCTGCCTTTGGTGACAGC	39022	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011845	21_+_34922981_34922997	CTGCCTTTGGTGACAGC	39023	hsa-miR-6501-5p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011846	21_+_34923005_34923027	GAGTTGCCAGAGCAGCCTGCGGT	39024	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011847	21_+_34923008_34923031	TTGCCAGAGCAGCCTGCGGTAACA	39025	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011848	21_+_34923011_34923034	CCAGAGCAGCCTGCGGTAACAGTA	39026	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011849	21_+_34923011_34923035	CCAGAGCAGCCTGCGGTAACAGTAG	39027	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011850	21_+_34923011_34923036	CCAGAGCAGCCTGCGGTAACAGTAGC	39028	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011851	21_+_34923012_34923033	CAGAGCAGCCTGCGGTAACAGT	39029	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011852	21_+_34923012_34923034	CAGAGCAGCCTGCGGTAACAGTA	39030	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011853	21_+_34923012_34923035	CAGAGCAGCCTGCGGTAACAGTAG	39031	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011854	21_+_34923012_34923036	CAGAGCAGCCTGCGGTAACAGTAGC	39032	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011855	21_+_34923013_34923033	AGAGCAGCCTGCGGTAACAGT	39033	hsa-miR-6501-3p;Derives_from=MI0022213

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011856	21_+_34923013_34923036	AGAGCAGCCTGCGGTAACAGTAGC	39034	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011857	21_+_34923024_34923039	CGGTAACAGTAGCAAT	39035	hsa-miR-6501-3p;Derives_from=MI0022213
NovelMiR_KnownLoci_ID0011858	2_+_135615423_135615440	AATAAAGTTCATGTATGG	39036	hsa-miR-5590-3p;Derives_from=MI0019150
NovelMiR_KnownLoci_ID0011859	2_+_135615423_135615442	AATAAAGTTCATGTATGGCA	39037	hsa-miR-5590-3p;Derives_from=MI0019150
NovelMiR_KnownLoci_ID0011860	2_+_135615423_135615444	AATAAAGTTCATGTATGGCAAT	39038	hsa-miR-5590-3p;Derives_from=MI0019150
NovelMiR_KnownLoci_ID0011861	2_+_135615424_135615440	ATAAAGTTCATGTATGG	39039	hsa-miR-5590-3p;Derives_from=MI0019150
NovelMiR_KnownLoci_ID0011862	2_+_136422981_136422999	CGGGGCCGTAGCACTGTCT	39040	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011863	2_+_136422981_136423000	CGGGGCCGTAGCACTGTCTG	39041	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011864	2_+_136422981_136423001	CGGGGCCGTAGCACTGTCTGA	39042	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011865	2_+_136422981_136423002	CGGGGCCGTAGCACTGTCTGAG	39043	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011866	2_+_136422981_136423005	CGGGGCCGTAGCACTGTCTGAGAGG	39044	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011867	2_+_136422981_136423006	CGGGGCCGTAGCACTGTCTGAGAGGT	39045	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011868	2_+_136422982_136423001	GGGGCCGTAGCACTGTCTGA	39046	hsa-miR-128-1-5p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011869	2_+_136423016_136423037	TCACAGTGAACCGGTCTCTTTT	39047	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011870	2_+_136423016_136423038	TCACAGTGAACCGGTCTCTTTTT	39048	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011871	2_+_136423016_136423039	TCACAGTGAACCGGTCTCTTTTTC	39049	hsa-miR-128-3p;Derives_from=MI0000447

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011872	2_+_136423016_136423040	TCACAGTGAACCGGTCTCTTTTTCA	39050	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011873	2_+_136423016_136423041	TCACAGTGAACCGGTCTCTTTTTCAG	39051	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011874	2_+_136423016_136423042	TCACAGTGAACCGGTCTCTTTTTCAGC	39052	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011875	2_+_136423017_136423037	CACAGTGAACCGGTCTCTTTT	39053	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011876	2_+_136423017_136423039	CACAGTGAACCGGTCTCTTTTTC	39054	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011877	2_+_136423018_136423037	ACAGTGAACCGGTCTCTTTT	39055	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011878	2_+_136423018_136423039	ACAGTGAACCGGTCTCTTTTTC	39056	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011879	2_+_136423019_136423037	CAGTGAACCGGTCTCTTTT	39057	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011880	2_+_136423022_136423037	TGAACCGGTCTCTTTT	39058	hsa-miR-128-3p;Derives_from=MI0000447
NovelMiR_KnownLoci_ID0011881	21_+_37093029_37093048	TCAGTAACAAAGATTCATCC	39059	hsa-miR-802;Derives_from=MI0003906
NovelMiR_KnownLoci_ID0011882	21_+_37093029_37093049	TCAGTAACAAAGATTCATCCT	39060	hsa-miR-802;Derives_from=MI0003906
NovelMiR_KnownLoci_ID0011883	21_+_37093029_37093050	TCAGTAACAAAGATTCATCCTT	39061	hsa-miR-802;Derives_from=MI0003906
NovelMiR_KnownLoci_ID0011884	21_+_37093029_37093051	TCAGTAACAAAGATTCATCCTTG	39062	hsa-miR-802;Derives_from=MI0003906
NovelMiR_KnownLoci_ID0011885	21_+_37093032_37093052	GTAACAAAGATTCATCCTTGT	39063	hsa-miR-802;Derives_from=MI0003906
NovelMiR_KnownLoci_ID0011886	21_+_40818937_40818955	TCCTCTAGAAATGCATGAC	39064	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011887	21_+_40818937_40818956	TCCTCTAGAAATGCATGACC	39065	hsa-miR-6508-5p;Derives_from=MI0022220

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011888	21_+_40818937_40818957	TCCTCTAGAAATGCATGACCC	39066	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011889	21_+_40818937_40818958	TCCTCTAGAAATGCATGACCCA	39067	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011890	21_+_40818937_40818959	TCCTCTAGAAATGCATGACCCAC	39068	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011891	21_+_40818937_40818960	TCCTCTAGAAATGCATGACCCACC	39069	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011892	21_+_40818938_40818958	CCTCTAGAAATGCATGACCCA	39070	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011893	21_+_40818938_40818959	CCTCTAGAAATGCATGACCCAC	39071	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011894	21_+_40818938_40818960	CCTCTAGAAATGCATGACCCACC	39072	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011895	21_+_40818938_40818961	CCTCTAGAAATGCATGACCCACCC	39073	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011896	21_+_40818939_40818958	CTCTAGAAATGCATGACCCA	39074	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011897	21_+_40818939_40818959	CTCTAGAAATGCATGACCCAC	39075	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011898	21_+_40818939_40818960	CTCTAGAAATGCATGACCCACC	39076	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011899	21_+_40818940_40818958	TCTAGAAATGCATGACCCA	39077	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011900	21_+_40818944_40818966	GAAATGCATGACCCACCCTGAGT	39078	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011901	21_+_40818946_40818964	AATGCATGACCCACCCTGA	39079	hsa-miR-6508-5p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011902	21_+_40818969_40818990	TGGTGGGCCATGCATTTCTAGA	39080	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011903	21_+_40818972_40818989	TGGGCCATGCATTTCTAG	39081	hsa-miR-6508-3p;Derives_from=MI0022220

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011904	21_+_40818972_40818990	TGGGCCATGCATTTCTAGA	39082	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011905	21_+_40818972_40818991	TGGGCCATGCATTTCTAGAA	39083	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011906	21_+_40818972_40818992	TGGGCCATGCATTTCTAGAAC	39084	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011907	21_+_40818972_40818994	TGGGCCATGCATTTCTAGAACTC	39085	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011908	21_+_40818972_40818995	TGGGCCATGCATTTCTAGAACTCC	39086	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011909	21_+_40818972_40818996	TGGGCCATGCATTTCTAGAACTCC T	39087	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011910	21_+_40818972_40818997	TGGGCCATGCATTTCTAGAACTCC TT	39088	hsa-miR-6508-3p;Derives_from=MI0022220
NovelMiR_KnownLoci_ID0011911	2_-_141344189_141344211	GCTACTGGATGAAGAGTGGGAGT	39089	hsa-miR-7157-3p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011912	2_-_141344193_141344214	TGTGCTACTGGATGAAGAGTGG	39090	hsa-miR-7157-3p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011913	2_-_141344201_141344217	CTCTGTGCTACTGGATG	39091	hsa-miR-7157-3p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011914	2_-_141344230_141344254	TCAGCATTCATTGGCACCAGAGAT G	39092	hsa-miR-7157-5p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011915	2_-_141344232_141344255	TTCAGCATTCATTGGCACCAGAGA	39093	hsa-miR-7157-5p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011916	2_-_141344233_141344254	TCAGCATTCATTGGCACCAGAG	39094	hsa-miR-7157-5p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011917	2_-_141344233_141344255	TTCAGCATTCATTGGCACCAGAG	39095	hsa-miR-7157-5p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011918	2_-_141344234_141344254	TCAGCATTCATTGGCACCAGA	39096	hsa-miR-7157-5p;Derives_from=MI0023617
NovelMiR_KnownLoci_ID0011919	21_-_41584287_41584307	AAATTCATGTTCAATCTAAAC	39097	hsa-miR-4760-3p;Derives_from=MI0017401

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011920	21_-_41584327_41584349	TTTAGATTGAACATGAAGTTAGA	39098	hsa-miR-4760-5p;Derives_from=MI0017401
NovelMiR_KnownLoci_ID0011921	21_-_41584329_41584349	TTTAGATTGAACATGAAGTTA	39099	hsa-miR-4760-5p;Derives_from=MI0017401
NovelMiR_KnownLoci_ID0011922	21_+_42539491_42539512	GGAGGCGCAGGCTCGGAAAGGC	39100	hsa-miR-3197;Derives_from=MI0014245
NovelMiR_KnownLoci_ID0011923	21_+_42539491_42539514	GGAGGCGCAGGCTCGGAAAGGCGC	39101	hsa-miR-3197;Derives_from=MI0014245
NovelMiR_KnownLoci_ID0011924	21_+_42539504_42539519	CGGAAAGGCGCGCGAG	39102	hsa-miR-3197;Derives_from=MI0014245
NovelMiR_KnownLoci_ID0011925	21_-_43166929_43166953	ACTCGCATCCTTCCCTTGGCAGATG	39103	hsa-miR-6814-3p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011926	21_-_43166930_43166953	ACTCGCATCCTTCCCTTGGCAGAT	39104	hsa-miR-6814-3p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011927	21_-_43166931_43166952	CTCGCATCCTTCCCTTGGCAGA	39105	hsa-miR-6814-3p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011928	21_-_43166931_43166953	ACTCGCATCCTTCCCTTGGCAGA	39106	hsa-miR-6814-3p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011929	21_-_43166933_43166953	ACTCGCATCCTTCCCTTGGCA	39107	hsa-miR-6814-3p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011930	21_-_43166936_43166953	ACTCGCATCCTTCCCTTG	39108	hsa-miR-6814-3p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011931	21_-_43166972_43166996	TCCCAAGGGTGAGATGCTGCCACCC	39109	hsa-miR-6814-5p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011932	21_-_43166973_43166996	TCCCAAGGCTGAGATGCTGCCACC	39110	hsa-miR-6814-5p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011933	21_-_43166974_43166995	CCCAAGGGTGAGATGCTGCCAC	39111	hsa-miR-6814-5p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011934	21_-_43166974_43166996	TCCCAAGGGTGAGATGCTGCCAC	39112	hsa-miR-6814-5p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011935	21_-_43166976_43166996	TCCCAAGGGTGAGATGCTGCC	39113	hsa-miR-6814-5p;Derives_from=MI0022659

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011936	21_-_43166977_43166996	TCCCAAGGGTGAGATGCTGC	39114	hsa-miR-6814-5p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011937	21_-_43166978_43166996	TCCCAAGGGTGAGATGCTG	39115	hsa-miR-6814-5p;Derives_from=MI0022659
NovelMiR_KnownLoci_ID0011938	21_+_46898183_46898209	TGTAGGTGGCGCCGGAGGAGTCATTTC	39116	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011939	21_+_46898184_46898202	GTAGGTGGCGCCGGAGGAG	39117	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011940	21_+_46898184_46898203	GTAGGTGGCGCCGGAGGAGT	39118	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011941	21_+_46898184_46898205	GTAGGTGGCGCCGGAGGAGTCA	39119	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011942	21_+_46898184_46898206	GTAGGTGGCGCCGGAGGAGTCAT	39120	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011943	21_+_46898184_46898207	GTAGGTGGCGCCGGAGGAGTCATT	39121	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011944	21_+_46898184_46898208	GTAGGTGGCGCCGGAGGAGTCATTT	39122	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011945	21_+_46898184_46898209	GTAGGTGGCGCCGGAGGAGTCATTTC	39123	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011946	21_+_46898185_46898202	TAGGTGGCGCCGGAGGAG	39124	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011947	21_+_46898185_46898203	TAGGTGGCGCCGGAGGAGT	39125	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011948	21_+_46898185_46898204	TAGGTGGCGCCGGAGGAGTC	39126	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011949	21_+_46898185_46898205	TAGGTGGCGCCGGAGGAGTCA	39127	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011950	21_+_46898185_46898206	TAGGTGGCGCCGGAGGAGTCAT	39128	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011951	21_+_46898185_46898208	TAGGTGGCGCCGGAGGAGTCATTT	39129	hsa-miR-6815-5p;Derives_from=MI0022660

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011952	21_+_46898186_46898202	AGGTGGCGCCGGAGGAG	39130	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011953	21_+_46898186_46898203	AGGTGGCGCCGGAGGAGT	39131	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011954	21_+_46898186_46898205	AGGTGGCGCCGGAGGAGTCA	39132	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011955	21_+_46898186_46898206	AGGTGGCGCCGGAGGAGTCAT	39133	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011956	21_+_46898186_46898207	AGGTGGCGCCGGAGGAGTCATT	39134	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011957	21_+_46898186_46898208	AGGTGGCGCCGGAGGAGTCATTT	39135	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011958	21_+_46898187_46898206	GGTGGCGCCGGAGGAGTCAT	39136	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011959	21_+_46898187_46898207	GGTGGCGCCGGAGGAGTCATT	39137	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011960	21_+_46898188_46898207	GTGGCGCCGGAGGAGTCATT	39138	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011961	21_+_46898188_46898209	GTGGCGCCGGAGGAGTCATTTC	39139	hsa-miR-6815-5p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011962	21_+_46898214_46898233	CACTAATGGCTTCTCTTGCA	39140	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011963	21_+_46898215_46898235	ACTAATGGCTTCTCTTGCACA	39141	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011964	21_+_46898217_46898235	TAATGGCTTCTCTTGCACA	39142	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011965	21_+_46898217_46898238	TAATGGCTTCTCTTGCACACCC	39143	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011966	21_+_46898220_46898238	TGGCTTCTCTTGCACACCC	39144	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011967	21_+_46898220_46898239	TGGCTTCTCTTGCACACCCA	39145	hsa-miR-6815-3p;Derives_from=MI0022660

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011968	21_+_46898220_46898241	TGGCTTCTCTTGCACACCCAGG	39146	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011969	21_+_46898220_46898242	TGGCTTCTCTTGCACACCCAGGG	39147	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011970	21_+_46898220_46898243	TGGCTTCTCTTGCACACCCAGGGC	39148	hsa-miR-6815-3p;Derives_from=MI0022660
NovelMiR_KnownLoci_ID0011971	2_+_160043345_160043363	GGTGGGAAGGAGATGCTCA	39149	hsa-miR-6888-5p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011972	2_+_160043345_160043365	GGTGGGAAGGAGATGCTCAGG	39150	hsa-miR-6888-5p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011973	2_+_160043350_160043371	GAAGGAGATGCTCAGGCAGATC	39151	hsa-miR-6888-5p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011974	2_+_160043352_160043370	AGGAGATGCTCAGGCAGAT	39152	hsa-miR-6888-5p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011975	2_+_160043352_160043372	AGGAGATGCTCAGGCAGATCT	39153	hsa-miR-6888-5p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011976	2_+_160043392_160043410	ATCTGTCTCGATTGTTTCC	39154	hsa-miR-6888-3p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011977	2_+_160043392_160043411	ATCTGTCTCGATTGTTTCCA	39155	hsa-miR-6888-3p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011978	2_+_160043392_160043413	ATCTGTCTCGATTGTTTCCAGG	39156	hsa-miR-6888-3p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011979	2_+_160043392_160043414	ATCTGTCTCGATTGTTTCCAGGG	39157	hsa-miR-6888-3p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011980	2_+_160043393_160043415	TCTGTCTCGATTGTTTCCAGGGC	39158	hsa-miR-6888-3p;Derives_from=MI0022735
NovelMiR_KnownLoci_ID0011981	2_+_169439457_169439474	TTGTTGTCTGGTATGTAG	39159	hsa-miR-4774-5p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011982	2_+_169439462_169439482	GTCTGGTATGTAGTAGGTAAT	39160	hsa-miR-4774-5p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011983	2_+_169439462_169439483	GTCTGGTATGTAGTAGGTAATA	39161	hsa-miR-4774-5p;Derives_from=MI0017417

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0011984	2_+_169439463_169439482	TCTGGTATGTACTAGGTAAT	39162	hsa-miR-4774-5p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011985	2_+_169439463_169439483	TCTGGTATGTAGTAGGTAATA	39163	hsa-miR-4774-5p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011986	2_+_169439463_169439485	TCTGGTATGTAGTAGGTAATAAC	39164	hsa-miR-4774-5p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011987	2_+_169439493_169439511	CAGACAATTGCCTAACATG	39165	hsa-miR-4774-3p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011988	2_+_169439499_169439518	ATTGCCTAACATGTGCCAGA	39166	hsa-miR-4774-3p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011989	2_+_169439499_169439520	ATTGCCTAACATGTGCCAGAAA	39167	hsa-miR-4774-3p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011990	2_+_169439500_169439518	TTGCCTAACATGTGCCAGA	39168	hsa-miR-4774-3p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011991	2_+_169439500_169439519	TTGCCTAACATGTGCCAGAA	39169	hsa-miR-4774-3p;Derives_from=MI0017417
NovelMiR_KnownLoci_ID0011992	2_-_176032365_176032391	TGTGCGCAGGGAGACCTCTCCCAC CCA	39170	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011993	2_-_176032366_176032390	GTGCGCAGGGAGACCTCTCCCACC C	39171	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011994	2_-_176032367_176032389	TGCGCAGGGAGACCTCTCCCACC	39172	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011995	2_-_176032367_176032391	TGTGCGCAGGGAGACCTCTCCCAC C	39173	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011996	2_-_176032368_176032391	TGTGCGCAGGGAGACCTCTCCCAC	39174	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011997	2_-_176032369_176032391	TGTGCGCAGGGAGACCTCTCCCA	39175	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011998	2_-_176032371_176032391	TGTGCGCAGGGAGACCTCTCC	39176	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0011999	2_-_176032372_176032391	TGTGCGCAGGGAGACCTCTC	39177	hsa-miR-933;Derives_from=MI0005755

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012000	2_-_176032373_176032391	TGTGCGCAGGGAGACCTCT	39178	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0012001	2_-_176032374_176032391	TGTGCGCAGGGAGACCTC	39179	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0012002	2_-_176032375_176032390	GTGCGCAGGGAGACCT	39180	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0012003	2_-_176032375_176032391	TGTGCGCAGGGAGACCT	39181	hsa-miR-933;Derives_from=MI0005755
NovelMiR_KnownLoci_ID0012004	2_+_177015057_177015075	TACCCTGTAGAACCGAATT	39182	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012005	2_+_177015057_177015076	TACCCTGTAGAACCGAATTT	39183	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012006	2_+_177015057_177015077	TACCCTGTAGAACCGAATTTG	39184	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012007	2_+_177015057_177015078	TACCCTGTAGAACCGAATTTGT	39185	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012008	2_+_177015057_177015080	TACCCTGTAGAACCGAATTTGTGT	39186	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012009	2_+_177015057_177015083	TACCCTGTAGAACCGAATTTGTGTGGT	39187	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012010	2_+_177015058_177015078	ACCCTGTAGAACCGAATTTGT	39188	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012011	2_+_177015058_177015079	ACCCTGTAGAACCGAATTTGTG	39189	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012012	2_+_177015058_177015080	ACCCTGTAGAACCGAATTTGTGT	39190	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012013	2_+_177015059_177015080	CCCTGTAGAACCGAATTTGTGT	39191	hsa-miR-10b-5p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012014	2_+_177015090_177015108	ATAGTCACAGATTCGATTC	39192	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012015	2_+_177015095_177015115	CACAGATTCGATTCTAGGGGA	39193	hsa-miR-10b-3p;Derives_from=MI0000267

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012016	2_+_177015095_177015117	CACAGATTCGATTCTAGGGGAAT	39194	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012017	2_+_177015096_177015115	ACAGATTCGATTCTAGGGGA	39195	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012018	2_+_177015096_177015116	ACAGATTCGATTCTAGGGGAA	39196	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012019	2_+_177015096_177015118	ACAGATTCGATTCTAGGGGAATA	39197	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012020	2_+_177015096_177015120	ACAGATTCGATTCTAGGGGAATATA	39198	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012021	2_+_177015097_177015113	CAGATTCGATTCTAGGG	39199	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012022	2_+_177015097_177015116	CAGATTCGATTCTAGGGGAA	39200	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012023	2_+_177015097_177015117	CAGATTCGATTCTAGGGGAAT	39201	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012024	2_+_177015097_177015118	CAGATTCGATTCTAGGGGAATA	39202	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012025	2_+_177015097_177015119	CAGATTCGATTCTAGGGGAATAT	39203	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012026	2_+_177015097_177015120	CAGATTCGATTCTAGGGGAATATA	39204	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012027	2_+_177015098_177015115	AGATTCGATTCTAGGGGA	39205	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012028	2_+_177015098_177015116	AGATTCGATTCTAGGGGAA	39206	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012029	2_+_177015098_177015117	AGATTCGATTCTAGGGGAAT	39207	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012030	2_+_177015098_177015118	AGATTCGATTCTAGGGGAATA	39208	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012031	2_+_177015098_177015119	AGATTCGATTCTAGGGGAATAT	39209	hsa-miR-10b-3p;Derives_from=MI0000267

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012032	2_+_177015098_177015120	AGATTCGATTCTAGGGGAATATA	39210	hsa-miR-10b-3p;Derives_from=MI0000267
NovelMiR_KnownLoci_ID0012033	2_+_177053566_177053581	AGCGGCGGGGTCGGCG	39211	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012034	2_+_177053569_177053586	GGCGGGGTCGGCGGCGAC	39212	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012035	2_+_177053570_177053586	GCGGGGTCGGCGGCGAC	39213	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012036	2_+_177053570_177053587	GCGGGGTCGGCGGCGACG	39214	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012037	2_+_177053570_177053588	GCGGGGTCGGCGGCGACGT	39215	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012038	2_+_177053570_177053589	GCGGGGTCGGCGGCGACGTG	39216	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012039	2_+_177053571_177053586	CGGGGTCGGCGGCGAC	39217	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012040	2_+_177053571_177053587	CGGGGTCGGCGGCGACG	39218	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012041	2_+_177053572_177053587	GGGGTCGGCGGCGACG	39219	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012042	2_+_177053572_177053589	GGGGTCGGCGGCGACGTG	39220	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012043	2_+_177053573_177053589	GGGTCGGCGGCGACGTG	39221	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012044	2_+_177053574_177053589	GGTCGGCGGCGACGTG	39222	hsa-miR-7704;Derives_from=MI0025240
NovelMiR_KnownLoci_ID0012045	2_-_177465746_177465766	GATTTTTGGAGCAGGAGTGGA	39223	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012046	2_-_177465748_177465769	ATGGATTTTTGGAGCAGGAGTG	39224	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012047	2_-_177465748_177465770	AATGGATTTTTGGAGCAGGAGTG	39225	hsa-miR-1246;Derives_from=MI0006381

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012048	2_-_177465749_177465768	TGGATTTTTGGAGCAGGAGT	39226	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012049	2_-_177465749_177465769	ATGGATTTTTGGAGCAGGAGT	39227	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012050	2_-_177465749_177465770	AATGGATTTTTGGAGCAGGAGT	39228	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012051	2_-_177465749_177465772	TGAATGGATTTTTGGAGCAGGAGT	39229	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012052	2_-_177465750_177465767	GGATTTTTGGAGCAGGAG	39230	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012053	2_-_177465750_177465768	TGGATTTTTGGAGCAGGAG	39231	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012054	2_-_177465750_177465769	ATGGATTTTTGGAGCAGGAG	39232	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012055	2_-_177465750_177465770	AATGGATTTTTGGAGCAGGAG	39233	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012056	2_-_177465750_177465771	GAATGGATTTTTGGAGCAGGAG	39234	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012057	2_-_177465750_177465772	TGAATGGATTTTTGGAGCAGGAG	39235	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012058	2_-_177465751_177465769	ATGGATTTTTGGAGCAGGA	39236	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012059	2_-_177465751_177465770	AATGGATTTTTGGAGCAGGA	39237	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012060	2_-_177465752_177465771	GAATGGATTTTTGGAGCAGG	39238	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012061	2_-_177465753_177465771	GAATGGATTTTTGGAGCAG	39239	hsa-miR-1246;Derives_from=MI0006381
NovelMiR_KnownLoci_ID0012062	2_-_178120706_178120732	TGGCAAGTAAAAAACTCTCATTTTCCT	39240	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012063	2_-_178120708_178120732	TGGCAAGTAAAAAACTCTCATTTTC	39241	hsa-miR-3128;Derives_from=MI0014145

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012064	2_-_178120708_178120733	CTGGCAAGTAAAAAACTCTCATTTTC	39242	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012065	2_-_178120708_178120734	TCTGGCAAGTAAAAAACTCTCATTTTC	39243	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012066	2_-_178120709_178120732	TGGCAAGTAAAAAACTCTCATTTT	39244	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012067	2_-_178120710_178120732	TGGCAAGTAAAAAACTCTCATTT	39245	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012068	2_-_178120711_178120732	TGGCAAGTAAAAAACTCTCATT	39246	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012069	2_-_178120711_178120733	CTGGCAAGTAAAAAACTCTCATT	39247	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012070	2_-_178120712_178120732	TGGCAAGTAAAAAACTCTCAT	39248	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012071	2_-_178120712_178120733	CTGGCAAGTAAAAAACTCTCAT	39249	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012072	2_-_178120713_178120732	TGGCAAGTAAAAAACTCTCA	39250	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012073	2_-_178120713_178120734	TCTGGCAAGTAAAAAACTCTCA	39251	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012074	2_-_178120714_178120734	TCTGGCAAGTAAAAAACTCTC	39252	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012075	2_-_178120715_178120732	TGGCAAGTAAAAAACTCT	39253	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012076	2_-_178120715_178120734	TCTGGCAAGTAAAAAACTCT	39254	hsa-miR-3128;Derives_from=MI0014145
NovelMiR_KnownLoci_ID0012077	2_-_178178533_178178548	TAATGGTAGGAGCATT	39255	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012078	2_-_178178533_178178549	CTAATGGTAGGAGCATT	39256	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012079	2_-_178178533_178178550	TCTAATGGTAGGAGCATT	39257	hsa-miR-6512-3p;Derives_from=MI0022224

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012080	2_-_178178533_178178553	CCTTCTAATGGTAGGAGCATT	39258	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012081	2_-_178178535_178178555	GCCCTTCTAATGGTAGGAGCA	39259	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012082	2_-_178178536_178178560	TTCCAGCCCTTCTAATGGTAGGAGC	39260	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012083	2_-_178178536_178178561	CTTCCAGCCCTTCTAATGGTAGGAGC	39261	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012084	2_-_178178543_178178563	TTCTTCCAGCCCTTCTAATGG	39262	hsa-miR-6512-3p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012085	2_-_178178577_178178597	TTAGAAGAGCTGGAAGAAGGC	39263	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012086	2_-_178178577_178178598	ATTAGAAGAGCTGGAAGAAGGC	39264	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012087	2_-_178178578_178178597	TTAGAAGAGCTGGAAGAAGG	39265	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012088	2_-_178178579_178178601	ACCATTAGAAGAGCTGGAAGAAG	39266	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012089	2_-_178178579_178178602	TACCATTAGAAGAGCTGGAAGAAG	39267	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012090	2_-_178178579_178178603	TTACCATTAGAAGAGCTGGAAGAAG	39268	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012091	2_-_178178581_178178600	CCATTAGAAGAGCTGGAAGA	39269	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012092	2_-_178178581_178178601	ACCATTAGAAGAGCTGGAAGA	39270	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012093	2_-_178178581_178178603	TTACCATTAGAAGAGCTGGAAGA	39271	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012094	2_-_178178582_178178603	TTACCATTAGAAGAGCTGGAAG	39272	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012095	2_-_178178584_178178602	TACCATTAGAAGAGCTGGA	39273	hsa-miR-6512-5p;Derives_from=MI0022224

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012096	2_-_178178585_178178605	TCTTACCATTACAAGAGCTGG	39274	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012097	2_-_178178588_178178608	TGCTCTTACCATTAGAAGAGC	39275	hsa-miR-6512-5p;Derives_from=MI0022224
NovelMiR_KnownLoci_ID0012098	2_-_180725566_180725582	AGGTCGTGGAAGCCACA	39276	hsa-miR-1258;Derives_from=MI0006392
NovelMiR_KnownLoci_ID0012099	2_-_180725566_180725585	ATTAGGTCGTGGAAGCCACA	39277	hsa-miR-1258;Derives_from=MI0006392
NovelMiR_KnownLoci_ID0012100	2_-_180725573_180725595	TGGAGTTAGGATTAGGTCGTGGA	39278	hsa-miR-1258;Derives_from=MI0006392
NovelMiR_KnownLoci_ID0012101	2_-_180725574_180725595	TGGAGTTAGGATTAGGTCGTGG	39279	hsa-miR-1258;Derives_from=MI0006392
NovelMiR_KnownLoci_ID0012102	2_-_180725575_180725595	TGGAGTTAGGATTAGGTCGTG	39280	hsa-miR-1258;Derives_from=MI0006392
NovelMiR_KnownLoci_ID0012103	2_-_180725576_180725595	TGGAGTTAGGATTAGGTCGT	39281	hsa-miR-1258;Derives_from=MI0006392
NovelMiR_KnownLoci_ID0012104	2_-_182170314_182170330	GTACAAAGGTTCACATT	39282	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012105	2_-_182170318_182170340	TGGGCTCAGGGTACAAAGGTTCA	39283	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012106	2_-_182170319_182170340	TGGGCTCAGGGTACAAAGGTTC	39284	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012107	2_-_182170319_182170342	TGTGGGCTCAGGGTACAAAGGTTC	39285	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012108	2_-_182170320_182170342	TGTGGGCTCAGGGTACAAAGGTT	39286	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012109	2_-_182170321_182170342	TGTGGGCTCAGGGTACAAAGGT	39287	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012110	2_-_182170323_182170346	CCCTTGTGGGCTCAGGGTACAAAG	39288	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012111	2_-_182170324_182170346	CCCTTGTGGGCTCAGGGTACAAA	39289	hsa-miR-4437;Derives_from=MI0016778

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012112	2_-_182170325_182170346	CCCTTGTGGGCTCAGGGTACAA	39290	hsa-miR-4437;Derives_from=MI0016778
NovelMiR_KnownLoci_ID0012113	2_+_189162243_189162264	CATCAAGGATCTTAAACTTTGC	39291	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012114	2_+_189162243_189162265	CATCAAGGATCTTAAACTTTGCC	39292	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012115	2_+_189162244_189162260	ATCAAGGATCTTAAACT	39293	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012116	2_+_189162244_189162261	ATCAAGGATCTTAAACTT	39294	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012117	2_+_189162244_189162262	ATCAAGGATCTTAAACTTT	39295	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012118	2_+_189162244_189162263	ATCAAGGATCTTAAACTTTG	39296	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012119	2_+_189162244_189162264	ATCAAGGATCTTAAACTTTGC	39297	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012120	2_+_189162244_189162266	ATCAAGGATCTTAAACTTTGCCA	39298	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012121	2_+_189162244_189162268	ATCAAGGATCTTAAACTTTGCCAGA	39299	hsa-miR-561-5p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012122	2_+_189162278_189162300	GCAAAGTTTAAGATCCTTGAAGT	39300	hsa-miR-561-3p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012123	2_+_189162279_189162298	CAAACTTTAAGATCCTTGAA	39301	hsa-miR-561-3p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012124	2_+_189162279_189162301	CAAAGTTTAAGATCCTTGAAGTT	39302	hsa-miR-561-3p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012125	2_+_189162280_189162301	AAAGTTTAAGATCCTTGAAGTT	39303	hsa-miR-561-3p;Derives_from=MI0003567
NovelMiR_KnownLoci_ID0012126	2_-_189842821_189842845	CAGATGATCTAAAGGCCTATACATA	39304	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012127	2_-_189842822_189842845	CAGATGATCTAAAGGCCTATACAT	39305	hsa-miR-1245b-3p;Derives_from=MI0017431

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012128	2_-_189842823_189842845	CAGATGATCTAAAGGCCTATACA	39306	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012129	2_-_189842824_189842845	CAGATGATCTAAAGGCCTATAC	39307	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012130	2_-_189842825_189842845	CAGATGATCTAAAGGCCTATA	39308	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012131	2_-_189842826_189842846	TCAGATGATCTAAAGGCCTAT	39309	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012132	2_-_189842828_189842846	TCAGATGATCTAAAGGCCT	39310	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012133	2_-_189842835_189842852	TCAACATCAGATGATCTA	39311	hsa-miR-1245b-3p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012134	2_-_189842853_189842870	AGATCACTTAAAGAGTAT	39312	hsa-miR-1245b-5p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012135	2_-_189842856_189842878	AGGCCTTTAGATCACTTAAAGAG	39313	hsa-miR-1245b-5p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012136	2_-_189842857_189842878	AGGCCTTTAGATCACTTAAAGA	39314	hsa-miR-1245b-5p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012137	2_-_189842858_189842879	TAGGCCTTTAGATCACTTAAAG	39315	hsa-miR-1245b-5p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012138	2_-_189842860_189842880	GTAGGCCTTTAGATCACTTAA	39316	hsa-miR-1245b-5p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012139	2_+_189842860_189842880	TTAAGTGATCTAAAGGCCTAC	39317	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012140	2_+_189842860_189842881	TTAAGTGATCTAAAGGCCTACA	39318	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012141	2_-_189842860_189842882	ATGTAGGCCTTTAGATCACTTAA	39319	hsa-miR-1245b-5p;Derives_from=MI0017431

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012142	2_+_189842860_189842883	TTAAGTGATCTAAAGGCCTACATA	39320	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012143	2_+_189842860_189842885	TTAAGTGATCTAAAGGCCTACATATA	39321	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012144	2_-_189842861_189842881	TGTAGGCCTTTAGATCACTTA	39322	hsa-miR-1245b-5p;Derives_from=MI0017431
NovelMiR_KnownLoci_ID0012145	2_+_189842861_189842885	TAAGTGATCTAAAGGCCTACATATA	39323	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012146	2_+_189842862_189842878	AAGTGATCTAAAGGCCT	39324	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012147	2_+_189842862_189842883	AAGTGATCTAAAGGCCTACATA	39325	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012148	2_+_189842862_189842884	AAGTGATCTAAAGGCCTACATAT	39326	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012149	2_+_189842862_189842885	AAGTGATCTAAAGGCCTACATATA	39327	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012150	2_+_189842863_189842884	AGTGATCTAAAGGCCTACATAT	39328	hsa-miR-1245a;Derives_from=MI0006380
NovelMiR_KnownLoci_ID0012151	2_+_189860365_189860384	TCTAGGTTAGTGAAGGCTAT	39329	hsa-miR-3606-5p;Derives_from=MI0015996
NovelMiR_KnownLoci_ID0012152	2_+_189860365_189860386	TCTAGGTTAGTGAAGGCTATTT	39330	hsa-miR-3606-5p;Derives_from=MI0015996
NovelMiR_KnownLoci_ID0012153	2_+_189860367_189860388	TAGGTTAGTGAAGGCTATTTTA	39331	hsa-miR-3606-5p;Derives_from=MI0015996

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012154	2_+_189860371_189860395	TTAGTGAAGGCTATTTTAATTTTTT	39332	hsa-miR-3606-5p;Derives_from=MI0015996
NovelMiR_KnownLoci_ID0012155	2_+_189860407_189860423	TCACTACTTAGGGTCCT	39333	hsa-miR-3606-3p;Derives_from=MI0015996
NovelMiR_KnownLoci_ID0012156	2_-_189997764_189997783	CTCTACACTGCTGCCCAAGA	39334	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012157	2_-_189997764_189997788	CTAATCTCTACACTGCTGCCCAAG A	39335	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012158	2_-_189997765_189997788	CTAATCTCTACACTGCTGCCCAAG	39336	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012159	2_-_189997766_189997788	CTAATCTCTACACTGCTGCCCAA	39337	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012160	2_-_189997766_189997790	AACTAATCTCTACACTGCTGCCCA A	39338	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012161	2_-_189997767_189997788	CTAATCTCTACACTGCTGCCCA	39339	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012162	2_-_189997767_189997790	AACTAATCTCTACACTGCTGCCCA	39340	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012163	2_-_189997768_189997788	CTAATCTCTACACTGCTGCCC	39341	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012164	2_-_189997768_189997790	AACTAATCTCTACACTGCTGCCC	39342	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012165	2_-_189997768_189997791	AAACTAATCTCTACACTGCTGCCC	39343	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012166	2_-_189997769_189997788	CTAATCTCTACACTGCTGCC	39344	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012167	2_-_189997769_189997790	AACTAATCTCTACACTGCTGCC	39345	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012168	2_-_189997769_189997791	AAACTAATCTCTACACTGCTGCC	39346	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012169	2_-_189997770_189997788	CTAATCTCTACACTGCTGC	39347	hsa-miR-3129-3p;Derives_from=MI0014146

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012170	2_-_189997770_189997790	AACTAATCTCTACACTGCTGC	39348	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012171	2_-_189997771_189997790	AACTAATCTCTACACTGCTG	39349	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012172	2_-_189997771_189997791	AAACTAATCTCTACACTGCTG	39350	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012173	2_-_189997772_189997791	AAACTAATCTCTACACTGCT	39351	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012174	2_-_189997773_189997791	AAACTAATCTCTACACTGC	39352	hsa-miR-3129-3p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012175	2_-_189997804_189997827	AGTAGTGTAGAGATTGGTTTGCCT	39353	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012176	2_-_189997805_189997827	AGTAGTGTAGAGATTGGTTTGCC	39354	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012177	2_-_189997806_189997827	AGTAGTGTAGAGATTGGTTTGC	39355	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012178	2_-_189997807_189997827	AGTAGTGTAGAGATTGGTTTG	39356	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012179	2_-_189997807_189997828	CAGTAGTGTAGAGATTGGTTTG	39357	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012180	2_-_189997807_189997829	GCAGTAGTGTAGAGATTGGTTTG	39358	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012181	2_-_189997808_189997827	AGTAGTGTAGAGATTGGTTT	39359	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012182	2_-_189997809_189997827	AGTACTGTAGAGATTGGTT	39360	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012183	2_-_189997809_189997829	GCAGTAGTGTAGAGATTGGTT	39361	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012184	2_-_189997810_189997829	GCAGTAGTGTAGAGATTGGT	39362	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012185	2_-_189997812_189997829	GCAGTAGTGTAGAGATTG	39363	hsa-miR-3129-5p;Derives_from=MI0014146

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012186	2_-_189997815_189997835	ACTTGGGCAGTAGTGTAGAGA	39364	hsa-miR-3129-5p;Derives_from=MI0014146
NovelMiR_KnownLoci_ID0012187	2_+_19548194_19548215	AGCCCGAGGCCTCTGTGACGTC	39365	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012188	2_+_19548195_19548216	GCCCGAGGCCTCTGTGACGTCA	39366	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012189	2_+_19548196_19548216	CCCGAGGCCTCTGTGACGTCA	39367	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012190	2_+_19548196_19548217	CCCGAGGCCTCTGTGACGTCAC	39368	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012191	2_+_19548198_19548223	CGAGGCCTCTGTGACGTCACGGTGTC	39369	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012192	2_+_19548199_19548222	GAGGCCTCTGTGACGTCACGGTGT	39370	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012193	2_+_19548199_19548223	GAGGCCTCTGTGACGTCACGGTGTC	39371	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012194	2_+_19548200_19548215	AGGCCTCTGTGACGTC	39372	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012195	2_+_19548200_19548219	AGGCCTCTGTGACGTCACGG	39373	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012196	2_+_19548200_19548220	AGGCCTCTGTGACGTCACGGT	39374	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012197	2_+_19548200_19548221	AGGCCTCTGTGACGTCACGGTG	39375	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012198	2_+_19548200_19548223	AGGCCTCTGTGACGTCACGGTGTC	39376	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012199	2_+_19548200_19548224	AGGCCTCTGTGACGTCACGGTGTCT	39377	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012200	2_+_19548201_19548221	GGCCTCTGTGACGTCACGGTG	39378	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012201	2_+_19548201_19548222	GGCCTCTGTGACGTCACGGTGT	39379	hsa-miR-4757-5p;Derives_from=MI0017398

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012202	2_+_19548202_19548222	GCCTCTGTGACGTCACGGTGT	39380	hsa-miR-4757-5p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012203	2_+_19548231_19548247	GGAGACCATGACGTCAC	39381	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012204	2_+_19548233_19548254	AGACCATGACGTCACAGAGGCT	39382	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012205	2_+_19548235_19548254	ACCATGACGTCACAGAGGCT	39383	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012206	2_+_19548235_19548255	ACCATGACGTCACAGAGGCTT	39384	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012207	2_+_19548235_19548256	ACCATGACGTCACAGAGGCTTC	39385	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012208	2_+_19548235_19548257	ACCATGACGTCACAGAGGCTTCG	39386	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012209	2_+_19548235_19548258	ACCATGACGTCACAGAGGCTTCGC	39387	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012210	2_+_19548236_19548257	CCATGACGTCACAGAGGCTTCG	39388	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012211	2_+_19548236_19548258	CCATGACGTCACAGAGGCTTCGC	39389	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012212	2_+_19548237_19548255	CATGACGTCACAGAGGCTT	39390	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012213	2_+_19548237_19548256	CATGACGTCACAGAGGCTTC	39391	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012214	2_+_19548237_19548257	CATGACGTCACAGAGGCTTCG	39392	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012215	2_+_19548237_19548259	CATGACGTCACAGAGGCTTCGCG	39393	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012216	2_+_19548238_19548258	ATGACGTCACAGAGGCTTCGC	39394	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012217	2_+_19548239_19548257	TGACGTCACAGAGGCTTCG	39395	hsa-miR-4757-3p;Derives_from=MI0017398

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012218	2_+_19548239_19548262	TGACGTCACAGAGGCTTCGCGCTC	39396	hsa-miR-4757-3p;Derives_from=MI0017398
NovelMiR_KnownLoci_ID0012219	21_+_9825853_9825868	GGGGGGAGCCGCGGGG	39397	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012220	21_+_9825853_9825869	GGGGGGAGCCGCGGGGA	39398	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012221	21_+_9825853_9825870	GGGGGGAGCCGCGGGGAT	39399	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012222	21_+_9825853_9825871	GGGGGGAGCCGCGGGGATC	39400	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012223	21_+_9825854_9825870	GGGGGAGCCGCGGGGAT	39401	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012224	21_+_9825854_9825871	GGGGGAGCCGCGGGGATC	39402	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012225	21_+_9825854_9825872	GGGGGAGCCGCGGGGATCG	39403	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012226	21_+_9825854_9825878	GGGGGAGCCGCGGGGATCGCCGAGG	39404	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012227	21_+_9825855_9825871	GGGGAGCCGCGGGGATC	39405	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012228	21_+_9825855_9825872	GGGGAGCCGCGGGGATCG	39406	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012229	21_+_9825855_9825876	GGGGAGCCGCGGGGATCGCCGA	39407	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012230	21_+_9825856_9825876	GGGAGCCGCGGGGATCGCCGA	39408	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012231	21_+_9825856_9825882	GGGAGCCGCGGGGATCGCCGAGGGCCG	39409	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012232	21_+_9825857_9825873	GGAGCCGCGGGGATCGC	39410	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012233	21_+_9825857_9825875	GGAGCCGCGGGGATCGCCG	39411	hsa-miR-3648;Derives_from=MI0016048

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012234	21_+_9825857_9825878	GGAGCCGCGGGGATCGCCGAGG	39412	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012235	21_+_9825857_9825879	GGAGCCGCGGGGATCGCCGAGGG	39413	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012236	21_+_9825857_9825880	GGAGCCGCGGGGATCGCCGAGGGC	39414	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012237	21_+_9825857_9825882	GGAGCCGCGGGGATCGCCGAGGGCCG	39415	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012238	21_+_9825858_9825882	GAGCCGCGGGGATCGCCGAGGGCCG	39416	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012239	21_+_9825858_9825885	GAGCCGCGGGGATCGCCGAGGGCCGGTC	39417	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012240	21_+_9825859_9825877	AGCCGCGGGGATCGCCGAG	39418	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012241	21_+_9825859_9825881	AGCCGCGGGGATCGCCGAGGGCC	39419	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012242	21_+_9825859_9825885	AGCCGCGGGGATCGCCGAGGGCCGGTC	39420	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012243	21_+_9825860_9825876	GCCGCGGGGATCGCCGA	39421	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012244	21_+_9825860_9825879	GCCGCGGGGATCGCCGAGGG	39422	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012245	21_+_9825860_9825880	GCCGCGGGGATCGCCGAGGGC	39423	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012246	21_+_9825860_9825881	GCCGCGGGGATCGCCGAGGGCC	39424	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012247	21_+_9825860_9825885	GCCGCGGGGATCGCCGAGGGCCGGTC	39425	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012248	21_+_9825861_9825877	CCGCGGGGATCGCCGAG	39426	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012249	21_+_9825861_9825881	CCGCGGGGATCGCCGAGGGCC	39427	hsa-miR-3648;Derives_from=MI0016048

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012250	21_+_9825861_9825882	CCGCGGGGATCGCCGAGGGCCG	39428	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012251	21_+_9825861_9825885	CCGCGGGGATCGCCGAGGGCCGGTC	39429	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012252	21_+_9825862_9825881	CGCGGGGATCGCCGAGGGCC	39430	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012253	21_+_9825862_9825885	CGCGGGGATCGCCGAGGGCCGGTC	39431	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012254	21_+_9825863_9825884	GCGGGGATCGCCGAGGGCCGGT	39432	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012255	21_+_9825863_9825885	GCGGGGATCGCCGAGGGCCGGTC	39433	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012256	21_+_9825864_9825881	CGGGGATCGCCGAGGGCC	39434	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012257	21_+_9825865_9825885	GGGGATCGCCGAGGGCCGGTC	39435	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012258	21_+_9825866_9825881	GGGATCGCCGAGGGCC	39436	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012259	21_+_9825866_9825882	GGGATCGCCGAGGGCCG	39437	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012260	21_+_9825866_9825885	GGGATCGCCGAGGGCCGGTC	39438	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012261	21_+_9825867_9825885	GGATCGCCGAGGGCCGGTC	39439	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012262	21_+_9825868_9825885	GATCGCCGAGGGCCGGTC	39440	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012263	21_+_9825869_9825884	ATCGCCGAGGGCCGGT	39441	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012264	21_+_9825869_9825885	ATCGCCGAGGGCCGGTC	39442	hsa-miR-3648;Derives_from=MI0016048
NovelMiR_KnownLoci_ID0012265	21_+_9825870_9825885	TCGCCGAGGGCCGGTC	39443	hsa-miR-3648;Derives_from=MI0016048

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012266	21_+_9826231_9826246	GTCCCTCCCGGACAGG	39444	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012267	21_+_9826231_9826247	GTCCCTCCCGGACAGGC	39445	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012268	21_+_9826231_9826249	GTCCCTCCCGGACAGGCGT	39446	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012269	21_+_9826231_9826250	GTCCCTCCCGGACAGGCGTT	39447	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012270	21_+_9826231_9826252	GTCCCTCCCGGACAGGCGTTCG	39448	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012271	21_+_9826231_9826254	GTCCCTCCCGGACAGGCGTTCGTG	39449	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012272	21_+_9826232_9826253	TCCCTCCCGGACAGGCGTTCGT	39450	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012273	21_+_9826233_9826254	CCCTCCCGGACAGGCGTTCGTG	39451	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012274	21_+_9826233_9826257	CCCTCCCGGACAGGCGTTCGTGCGA	39452	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012275	21_+_9826233_9826258	CCCTCCCGGACAGGCGTTCGTGCGAC	39453	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012276	21_+_9826234_9826254	CCTCCCGGACAGGCGTTCGTG	39454	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012277	21_+_9826234_9826258	CCTCCCGGACAGGCGTTCGTGCGAC	39455	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012278	21_+_9826235_9826253	CTCCCGGACAGGCGTTCGT	39456	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012279	21_+_9826235_9826256	CTCCCGGACAGGCGTTCGTGCG	39457	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012280	21_+_9826235_9826259	CTCCCGGACAGGCGTTCGTGCGACG	39458	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012281	21_+_9826235_9826261	CTCCCGGACAGGCGTTCGTGCGACGTG	39459	hsa-miR-3687;Derives_from=MI0016088

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012282	21_+_9826236_9826257	TCCCGGACAGGCGTTCGTGCGA	39460	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012283	21_+_9826236_9826261	TCCCGGACAGGCGTTCGTGCGACGTG	39461	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012284	21_+_9826237_9826258	CCCGGACAGGCGTTCGTGCGAC	39462	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012285	21_+_9826237_9826261	CCCGGACAGGCGTTCGTGCGACGTG	39463	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012286	21_+_9826237_9826262	CCCGGACAGGCGTTCGTGCGACGTGT	39464	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012287	21_+_9826237_9826263	CCCGGACAGGCGTTCGTGCGACGTGTG	39465	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012288	21_+_9826238_9826258	CCGGACAGGCGTTCGTGCGAC	39466	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012289	21_+_9826238_9826260	CCGGACAGGCGTTCGTGCGACGT	39467	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012290	21_+_9826238_9826263	CCGGACAGGCGTTCGTGCGACGTGTG	39468	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012291	21_+_9826239_9826255	CGGACAGGCGTTCGTGC	39469	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012292	21_+_9826239_9826257	CGGACAGGCGTTCGTGCGA	39470	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012293	21_+_9826239_9826258	CGGACAGGCGTTCGTGCGAC	39471	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012294	21_+_9826239_9826259	CGGACAGGCGTTCGTGCGACG	39472	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012295	21_+_9826239_9826260	CGGACAGGCGTTCGTGCGACGT	39473	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012296	21_+_9826239_9826264	CGGACAGGCGTTCGTGCGACGTGTGG	39474	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012297	21_+_9826239_9826266	CGGACAGGCGTTCGTGCGACGTGTGGCG	39475	hsa-miR-3687;Derives_from=MI0016088

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012298	21_+_9826240_9826258	GGACAGGCGTTCGTGCGAC	39476	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012299	21_+_9826240_9826262	GGACAGGCGTTCGTGCGACGTGT	39477	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012300	21_+_9826240_9826266	GGACAGGCGTTCGTGCGACGTGTGGCG	39478	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012301	21_+_9826241_9826258	GACAGGCGTTCGTGCGAC	39479	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012302	21_+_9826241_9826261	GACAGGCGTTCGTGCGACGTG	39480	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012303	21_+_9826241_9826263	GACAGGCGTTCGTGCGACGTGTG	39481	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012304	21_+_9826241_9826264	GACAGGCGTTCGTGCGACGTGTGG	39482	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012305	21_+_9826241_9826265	GACAGGCGTTCGTGCGACGTGTGGC	39483	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012306	21_+_9826241_9826266	GACAGGCGTTCGTGCGACGTGTGGCG	39484	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012307	21_+_9826242_9826258	ACAGGCGTTCGTGCGAC	39485	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012308	21_+_9826242_9826261	ACAGGCGTTCGTGCGACGTG	39486	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012309	21_+_9826242_9826263	ACAGGCGTTCGTGCGACGTGTG	39487	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012310	21_+_9826242_9826266	ACAGGCGTTCGTGCGACGTGTGGCG	39488	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012311	21_+_9826243_9826266	CAGGCGTTCGTGCGACGTGTGGCG	39489	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012312	21_+_9826244_9826264	AGGCGTTCGTGCGACGTGTGG	39490	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012313	21_+_9826245_9826266	GGCGTTCGTGCGACGTGTGGCG	39491	hsa-miR-3687;Derives_from=MI0016088

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012314	21_+_9826246_9826264	GCGTTCGTGCGACGTGTGG	39492	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012315	21_+_9826246_9826266	GCGTTCGTGCGACGTGTGGCG	39493	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012316	21_+_9826248_9826266	GTTCGTGCGACGTGTGGCG	39494	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012317	21_+_9826250_9826266	TCGTGCGACGTGTGGCG	39495	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012318	21_+_9826251_9826266	CGTGCGACGTGTGGCG	39496	hsa-miR-3687;Derives_from=MI0016088
NovelMiR_KnownLoci_ID0012319	2_+_207647970_207647991	TACCCAGTCTCCGGTGCAGCCT	39497	hsa-miR-3130-5p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012320	2_+_207647970_207647992	TACCCAGTCTCCGGTGCAGCCTT	39498	hsa-miR-3130-5p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012321	2_+_207647970_207647993	TACCCAGTCTCCGGTGCAGCCTTG	39499	hsa-miR-3130-5p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012322	2_+_207647970_207647994	TACCCAGTCTCCGGTGCAGCCTTGA	39500	hsa-miR-3130-5p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012323	2_+_207647970_207647995	TACCCAGTCTCCGGTGCAGCCTTGAC	39501	hsa-miR-3130-5p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012324	2_+_207647971_207647992	ACCCAGTCTCCGGTGCAGCCTT	39502	hsa-miR-3130-5p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012325	2_-_207647995_207648020	TACCCAGTCTCCGGTGCAGCCTGTTG	39503	hsa-miR-3130-5p;Derives_from=MI0014147
NovelMiR_KnownLoci_ID0012326	2_-_207647996_207648020	TACCCAGTCTCCGGTGCAGCCTGTT	39504	hsa-miR-3130-5p;Derives_from=MI0014147
NovelMiR_KnownLoci_ID0012327	2_-_207647997_207648019	ACCCAGTCTCCGGTGCAGCCTGT	39505	hsa-miR-3130-5p;Derives_from=MI0014147
NovelMiR_KnownLoci_ID0012328	2_-_207647997_207648020	TACCCAGTCTCCGGTGCAGCCTGT	39506	hsa-miR-3130-5p;Derives_from=MI0014147
NovelMiR_KnownLoci_ID0012329	2_-_207647998_207648020	TACCCAGTCTCCGGTGCAGCCTG	39507	hsa-miR-3130-5p;Derives_from=MI0014147

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012330	2_+_207648001_207648022	GCTGCACCGGAGACTGGGTAAG	39508	hsa-miR-3130-3p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012331	2_+_207648002_207648023	CTGCACCGGAGACTGGGTAAGA	39509	hsa-miR-3130-3p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012332	2_+_207648011_207648027	AGACTGGGTAAGACATG	39510	hsa-miR-3130-3p;Derives_from=MI0014148
NovelMiR_KnownLoci_ID0012333	2_-_207974718_207974742	TGTCCTTGCTGTTTGGAGATAATA C	39511	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012334	2_-_207974719_207974742	TGTCCTTGCTGTTTGGAGATAATA	39512	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012335	2_-_207974719_207974743	TTGTCCTTGCTGTTTGGAGATAAT A	39513	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012336	2_-_207974719_207974744	ATTGTCCTTGCTGTTTGGAGATAA TA	39514	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012337	2_-_207974720_207974742	TGTCCTTGCTGTTTGGAGATAAT	39515	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012338	2_-_207974720_207974744	ATTGTCCTTGCTGTTTGGAGATAA T	39516	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012339	2_-_207974721_207974742	TGTCCTTGCTGTTTGGAGATAA	39517	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012340	2_-_207974722_207974742	TGTCCTTGCTGTTTGGAGATA	39518	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012341	2_-_207974722_207974743	TTGTCCTTGCTGTTTGGAGATA	39519	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012342	2_-_207974722_207974744	ATTGTCCTTGCTGTTTGGAGATA	39520	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012343	2_-_207974723_207974742	TGTCCTTGCTGTTTGGAGAT	39521	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012344	2_-_207974723_207974743	TTGTCCTTGCTGTTTGGAGAT	39522	hsa-miR-2355-3p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012345	2_-_207974724_207974744	ATTGTCCTTGCTGTTTGGAGA	39523	hsa-miR-2355-3p;Derives_from=MI0015873

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012346	2_-_207974762_207974787	ATCCCCAGATACAATGGACAATAT GC	39524	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012347	2_-_207974763_207974787	ATCCCCAGATACAATGGACAATAT G	39525	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012348	2_-_207974764_207974787	ATCCCCAGATACAATGGACAATAT	39526	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012349	2_-_207974765_207974784	CCCAGATACAATGGACAATA	39527	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012350	2_-_207974765_207974787	ATCCCCAGATACAATGGACAATA	39528	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012351	2_-_207974766_207974787	ATCCCCAGATACAATGGACAAT	39529	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012352	2_-_207974768_207974787	ATCCCCAGATACAATGGACA	39530	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012353	2_-_207974769_207974787	ATCCCCAGATACAATGGAC	39531	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012354	2_-_207974771_207974787	ATCCCCAGATACAATGG	39532	hsa-miR-2355-5p;Derives_from=MI0015873
NovelMiR_KnownLoci_ID0012355	2_+_208031120_208031135	GAGCGCAAGGGACAGG	39533	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012356	2_+_208031120_208031137	GAGCGCAAGGGACAGGGA	39534	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012357	2_+_208031120_208031138	GAGCGCAAGGGACAGGGAG	39535	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012358	2_+_208031120_208031139	GAGCGCAAGGGACAGGGAGG	39536	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012359	2_+_208031120_208031142	GAGCGCAAGGGACAGGGAGGGTC	39537	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012360	2_+_208031120_208031143	GAGCGCAAGGGACAGGGAGGGTCG	39538	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012361	2_+_208031120_208031145	GAGCGCAAGGGACAGGGAGGGTCG TG	39539	hsa-miR-7845-5p;Derives_from=MI0025515

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012362	2_+_208031121_208031137	AGCGCAAGGGACAGCGA	39540	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012363	2_+_208031121_208031138	AGCGCAAGGGACAGGGAG	39541	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012364	2_+_208031121_208031141	AGCGCAAGGGACAGGGAGGGT	39542	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012365	2_+_208031121_208031142	AGCGCAAGGGACAGGGAGGGTC	39543	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012366	2_+_208031121_208031143	AGCGCAAGGGACAGGGAGGGTCG	39544	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012367	2_+_208031121_208031145	AGCGCAAGGGACAGGGAGGGTCGTG	39545	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012368	2_+_208031122_208031138	GCGCAAGGGACAGGGAG	39546	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012369	2_+_208031122_208031139	GCGCAAGGGACAGGGAGG	39547	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012370	2_+_208031122_208031142	GCGCAAGGGACAGGGAGGGTC	39548	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012371	2_+_208031122_208031145	GCGCAAGGGACAGGGAGGGTCGTG	39549	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012372	2_+_208031122_208031146	GCGCAAGGGACAGGGAGGGTCGTGG	39550	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012373	2_+_208031123_208031143	CGCAAGGGACAGGGAGGGTCG	39551	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012374	2_+_208031123_208031144	CGCAAGGGACAGGGAGGGTCGT	39552	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012375	2_+_208031123_208031145	CGCAAGGGACAGGGAGGGTCGTG	39553	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012376	2_+_208031124_208031143	GCAAGGGACAGGGAGGGTCG	39554	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012377	2_+_208031124_208031144	GCAAGGGACAGGGAGGGTCGT	39555	hsa-miR-7845-5p;Derives_from=MI0025515

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012378	2_+_208031124_208031145	GCAAGGGACAGGGAGGGTCGTG	39556	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012379	2_+_208031125_208031145	CAAGGGACAGGGAGGGTCGTG	39557	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012380	2_+_208031125_208031148	CAAGGGACAGGGAGGGTCGTGGCG	39558	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012381	2_+_208031126_208031147	AAGGGACAGGGAGGGTCGTGGC	39559	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012382	2_+_208031126_208031148	AAGGGACAGGGAGGGTCGTGGCG	39560	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012383	2_+_208031127_208031143	AGGGACAGGGAGGGTCG	39561	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012384	2_+_208031127_208031144	AGGGACAGGGAGGGTCGT	39562	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012385	2_+_208031127_208031146	AGGGACAGGGAGGGTCGTGG	39563	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012386	2_+_208031127_208031147	AGGGACAGGGAGGGTCGTGGC	39564	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012387	2_+_208031127_208031149	AGGGACAGGGAGGGTCGTGGCGA	39565	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012388	2_+_208031132_208031152	CAGGGAGGCTCCTGGCGACAC	39566	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012389	2_+_208031133_208031152	AGGGAGGGTCGTGGCGACAC	39567	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012390	2_+_208031136_208031152	GAGGGTCGTGGCGACAC	39568	hsa-miR-7845-5p;Derives_from=MI0025515
NovelMiR_KnownLoci_ID0012391	2_-_208134047_208134072	TTGGGACATACTTATGCTAAAATATT	39569	hsa-miR-1302;Derives_from=MI0006365
NovelMiR_KnownLoci_ID0012392	2_+_208619535_208619556	AGCTTTTAATTTTTTGTTTCGG	39570	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012393	2_+_208619535_208619558	AGCTTTTAATTTTTTGTTTCGGTC	39571	hsa-miR-4775;Derives_from=MI0017418

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012394	2_+_208619535_208619559	AGCTTTTAATTTTTTGTTTCGGTCA	39572	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012395	2_+_208619536_208619563	GCTTTTAATTTTTTGTTTCGGTCACTCT	39573	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012396	2_+_208619537_208619559	CTTTTAATTTTTTGTTTCGGTCA	39574	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012397	2_+_208619538_208619559	TTTTAATTTTTTGTTTCGGTCA	39575	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012398	2_+_208619538_208619562	TTTTAATTTTTTGTTTCGGTCACTC	39576	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012399	2_+_208619540_208619559	TTAATTTTTTGTTTCGGTCA	39577	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012400	2_+_208619540_208619560	TTAATTTTTTGTTTCGGTCAC	39578	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012401	2_+_208619540_208619562	TTAATTTTTTGTTTCGGTCACTC	39579	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012402	2_+_208619540_208619563	TTAATTTTTTGTTTCGGTCACTCT	39580	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012403	2_+_208619541_208619560	TAATTTTTTGTTTCGGTCAC	39581	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012404	2_+_208619541_208619561	TAATTTTTTGTTTCGGTCACT	39582	hsa-miR-4775;Derives_from=MI0017418
NovelMiR_KnownLoci_ID0012405	2_-_213790979_213790994	TCCACTGCATATAGCC	39583	hsa-miR-4776-3p;Derives_from=MI0017420
NovelMiR_KnownLoci_ID0012406	2_+_213790990_213791014	GTGGACCAGGATGGCAAGGGCTCTC	39584	hsa-miR-4776-5p;Derives_from=MI0017419
NovelMiR_KnownLoci_ID0012407	2_+_213790991_213791014	TGGACCAGGATGGCAAGGGCTCTC	39585	hsa-miR-4776-5p;Derives_from=MI0017419
NovelMiR_KnownLoci_ID0012408	2_-_213790995_213791013	AGAGCCCTTGCCATCCTGG	39586	hsa-miR-4776-3p;Derives_from=MI0017420
NovelMiR_KnownLoci_ID0012409	2_-_213790997_213791013	AGAGCCCTTGCCATCCT	39587	hsa-miR-4776-3p;Derives_from=MI0017420

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012410	2_-_213791024_213791047	ACCAGGATGGCAAGGGCTCTACTG	39588	hsa-miR-4776-5p;Derives_from=MI0017420
NovelMiR_KnownLoci_ID0012411	2_-_213791025_213791049	GGACCAGGATGGCAAGGGCTCTAC T	39589	hsa-miR-4776-5p;Derives_from=MI0017420
NovelMiR_KnownLoci_ID0012412	2_-_213791025_213791051	GTGGACCAGGATGGCAAGGGCTCT ACT	39590	hsa-miR-4776-5p;Derives_from=MI0017420
NovelMiR_KnownLoci_ID0012413	2_-_213791026_213791047	ACCAGGATGGCAAGGGCTCTAC	39591	hsa-miR-4776-5p;Derives_from=MI0017420
NovelMiR_KnownLoci_ID0012414	2_+_213791045_213791062	GGTCCACTGCATATAGTC	39592	hsa-miR-4776-3p;Derives_from=MI0017419
NovelMiR_KnownLoci_ID0012415	2_+_214622846_214622868	CACAGGCTTAGAAAAGACAGTCT	39593	hsa-miR-4438;Derives_from=MI0016781
NovelMiR_KnownLoci_ID0012416	22_-_18246968_18246983	GGTTCTGTGGAGTCCT	39594	hsa-miR-3198;Derives_from=MI0014246
NovelMiR_KnownLoci_ID0012417	2_-_218765233_218765256	CTTCTCTTCTCTCCTTCCCAGGGC	39595	hsa-miR-6809-3p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012418	2_-_218765234_218765256	CTTCTCTTCTCTCCTTCCCAGGG	39596	hsa-miR-6809-3p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012419	2_-_218765235_218765256	CTTCTCTTCTCTCCTTCCCAGG	39597	hsa-miR-6809-3p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012420	2_-_218765323_218765346	TGGCAAGGAAAGAAGAGGATCATG	39598	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012421	2_-_218765323_218765347	TTGGCAAGGAAAGAAGAGGATCAT G	39599	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012422	2_-_218765324_218765346	TGGCAAGGAAAGAAGAGGATCAT	39600	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012423	2_-_218765324_218765347	TTGGCAAGGAAAGAAGAGGATCAT	39601	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012424	2_-_218765325_218765347	TTGGCAAGGAAAGAAGAGGATCA	39602	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012425	2_-_218765326_218765346	TGGCAAGGAAAGAAGAGGATC	39603	hsa-miR-6809-5p;Derives_from=MI0022654

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012426	2_-_218765326_218765347	TTGGCAAGGAAAGAAGAGGATC	39604	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012427	2_-_218765327_218765346	TGGCAAGGAAAGAAGAGGAT	39605	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012428	2_-_218765327_218765347	TTGGCAAGGAAAGAAGAGGAT	39606	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012429	2_-_218765328_218765347	TTGGCAAGGAAAGAAGAGGA	39607	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012430	2_-_218765329_218765346	TGGCAAGGAAAGAAGAGG	39608	hsa-miR-6809-5p;Derives_from=MI0022654
NovelMiR_KnownLoci_ID0012431	2_-_219144847_219144870	TCAAGTGTCATCTGTCCCTAGGCC	39609	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012432	2_-_219144848_219144869	CAAGTGTCATCTGTCCCTAGGC	39610	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012433	2_-_219144848_219144870	TCAAGTGTCATCTGTCCCTAGGC	39611	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012434	2_-_219144849_219144868	AAGTGTCATCTGTCCCTAGG	39612	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012435	2_-_219144849_219144870	TCAAGTGTCATCTGTCCCTAGG	39613	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012436	2_-_219144849_219144871	GTCAAGTGTCATCTGTCCCTAGG	39614	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012437	2_-_219144850_219144869	CAAGTGTCATCTGTCCCTAG	39615	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012438	2_-_219144850_219144871	GTCAAGTGTCATCTGTCCCTAG	39616	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012439	2_-_219144850_219144876	GCTGAGTCAAGTGTCATCTGTCCCTAG	39617	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012440	2_-_219144851_219144870	TCAAGTGTCATCTGTCCCTA	39618	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012441	2_-_219144851_219144871	GTCAAGTGTCATCTGTCCCTA	39619	hsa-miR-6513-3p;Derives_from=MI0022225

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012442	2_-_219144852_219144870	TCAAGTGTCATCTGTCCCT	39620	hsa-miR-6513-3p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012443	2_-_219144881_219144900	GACGCCACATGTCTCAGGTC	39621	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012444	2_-_219144884_219144907	TGGGATTGACGCCACATGTCTCAG	39622	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012445	2_-_219144885_219144907	TGGGATTGACGCCACATGTCTCA	39623	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012446	2_-_219144885_219144908	TTGGGATTGACGCCACATGTCTCA	39624	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012447	2_-_219144886_219144906	GGGATTGACGCCACATGTCTC	39625	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012448	2_-_219144886_219144907	TGGGATTGACGCCACATGTCTC	39626	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012449	2_-_219144886_219144908	TTGGGATTGACGCCACATGTCTC	39627	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012450	2_-_219144886_219144909	TTTGGGATTGACGCCACATGTCTC	39628	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012451	2_-_219144887_219144907	TGGGATTGACGCCACATGTCT	39629	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012452	2_-_219144887_219144908	TTGGGATTGACGCCACATGTCT	39630	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012453	2_-_219144888_219144907	TGGGATTGACGCCACATGTC	39631	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012454	2_-_219144888_219144908	TTGGGATTGACGCCACATGTC	39632	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012455	2_-_219144888_219144909	TTTGGGATTGACGCCACATGTC	39633	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012456	2_-_219144889_219144907	TGGGATTGACGCCACATGT	39634	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012457	2_-_219144889_219144908	TTGGGATTGACGCCACATGT	39635	hsa-miR-6513-5p;Derives_from=MI0022225

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012458	2_-_219144889_219144909	TTTGGGATTGACGCCACATGT	39636	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012459	2_-_219144890_219144909	TTTGGGATTGACGCCACATG	39637	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012460	2_-_219144891_219144907	TGGGATTGACGCCACAT	39638	hsa-miR-6513-5p;Derives_from=MI0022225
NovelMiR_KnownLoci_ID0012461	2_+_219206639_219206659	ATGGGGACAGGGATCAGCATG	39639	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012462	2_+_219206639_219206660	ATGGGGACAGGGATCAGCATGG	39640	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012463	2_+_219206639_219206662	ATGGGGACAGGGATCAGCATGGCA	39641	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012464	2_+_219206639_219206663	ATGGGGACAGGGATCAGCATGGCAC	39642	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012465	2_+_219206639_219206664	ATGGGGACAGGGATCAGCATGGCACA	39643	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012466	2_+_219206640_219206660	TGGGGACAGGGATCAGCATGG	39644	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012467	2_+_219206640_219206662	TGGGGACAGGGATCAGCATGGCA	39645	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012468	2_+_219206640_219206663	TGGGGACAGGGATCAGCATGGCAC	39646	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012469	2_+_219206640_219206664	TGGGGACAGGGATCAGCATGGCACA	39647	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012470	2_+_219206641_219206664	GGGGACAGGGATCAGCATGGCACA	39648	hsa-miR-6810-5p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012471	2_+_219206681_219206699	TCCCCTGCTCCCCTTGTTCC	39649	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012472	2_+_219206681_219206701	TCCCCTGCTCCCCTTGTTCCCC	39650	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012473	2_+_219206681_219206702	TCCCCTGCTCCCCTTGTTCCCCA	39651	hsa-miR-6810-3p;Derives_from=MI0022655

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012474	2_+_219206681_219206704	TCCCCTGCTCCCTTGTTCCCCAGT	39652	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012475	2_+_219206681_219206705	TCCCCTGCTCCCTTGTTCCCCAGTC	39653	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012476	2_+_219206681_219206707	TCCCCTGCTCCCTTGTTCCCCAGTCCC	39654	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012477	2_+_219206682_219206704	CCCCTGCTCCCTTGTTCCCCAGT	39655	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012478	2_+_219206685_219206704	CTGCTCCCTTGTTCCCCAGT	39656	hsa-miR-6810-3p;Derives_from=MI0022655
NovelMiR_KnownLoci_ID0012479	2_+_219267380_219267399	TTCAAGTAATTCAGGATAGG	39657	hsa-miR-26b-5p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012480	2_+_219267380_219267401	TTCAAGTAATTCAGGATAGGTT	39658	hsa-miR-26b-5p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012481	2_+_219267380_219267402	TTCAAGTAATTCAGGATAGGTTG	39659	hsa-miR-26b-5p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012482	2_+_219267380_219267403	TTCAAGTAATTCAGGATAGGTTGT	39660	hsa-miR-26b-5p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012483	2_+_219267380_219267405	TTCAAGTAATTCAGGATAGGTTGTGT	39661	hsa-miR-26b-5p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012484	2_+_219267414_219267435	GCCTGTTCTCCATTACTTGGCT	39662	hsa-miR-26b-3p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012485	2_+_219267414_219267436	GCCTGTTCTCCATTACTTGGCTC	39663	hsa-miR-26b-3p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012486	2_+_219267415_219267433	CCTGTTCTCCATTACTTGG	39664	hsa-miR-26b-3p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012487	2_+_219267415_219267434	CCTGTTCTCCATTACTTGGC	39665	hsa-miR-26b-3p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012488	2_+_219267415_219267435	CCTGTTCTCCATTACTTGGCT	39666	hsa-miR-26b-3p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012489	2_+_219267415_219267437	CCTGTTCTCCATTACTTGGCTCG	39667	hsa-miR-26b-3p;Derives_from=MI0000084

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012490	2_+_219267416_219267435	CTGTTCTCCATTACTTGGCT	39668	hsa-miR-26b-3p;Derives_from=MI0000084
NovelMiR_KnownLoci_ID0012491	2_-_219866368_219866391	TTTGTTCGTTCGGCTCGCGTGAGG	39669	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012492	2_-_219866369_219866391	TTTGTTCGTTCGGCTCGCGTGAG	39670	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012493	2_-_219866370_219866390	TTGTTCGTTCGGCTCGCGTGA	39671	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012494	2_-_219866370_219866392	TTTTGTTCGTTCGGCTCGCGTGA	39672	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012495	2_-_219866371_219866391	TTTGTTCGTTCGGCTCGCGTG	39673	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012496	2_-_219866372_219866391	TTTGTTCGTTCGGCTCGCGT	39674	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012497	2_-_219866373_219866391	TTTGTTCGTTCGGCTCGCG	39675	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012498	2_-_219866374_219866391	TTTGTTCGTTCGGCTCGC	39676	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012499	2_-_219866376_219866391	TTTGTTCGTTCGGCTC	39677	hsa-miR-375;Derives_from=MI0000783
NovelMiR_KnownLoci_ID0012500	2_-_219923444_219923469	TCGAGGACTGGTGGAAGGGCCTTTCC	39678	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012501	2_-_219923445_219923469	TCGAGGACTGGTGGAAGGGCCTTTC	39679	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012502	2_-_219923446_219923468	CGAGGACTGGTGGAAGGGCCTTT	39680	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012503	2_-_219923446_219923469	TCGAGGACTGGTGGAAGGGCCTTT	39681	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012504	2_-_219923447_219923467	GAGGACTGGTGGAAGGGCCTT	39682	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012505	2_-_219923447_219923468	CGAGGACTGGTGGAAGGGCCTT	39683	hsa-miR-3131;Derives_from=MI0014151

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012506	2_-_21992348_21992346	TCGAGGACTGGTGGAAGGCCCT	39684	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012507	2_-_21992349_21992346	TCGAGGACTGGTGGAAGGGCC	39685	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012508	2_-_21992350_21992346	TCGAGGACTGGTGGAAGGGC	39686	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012509	2_-_21992351_21992346	TCGAGGACTGGTGGAAGGG	39687	hsa-miR-3131;Derives_from=MI0014151
NovelMiR_KnownLoci_ID0012510	22_+_19951272_19951293	TGAAGGACAAGGTGTGCATGCC	39688	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012511	22_+_19951277_19951298	GACAAGGTGTGCATGCCTGACC	39689	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012512	22_+_19951277_19951299	GACAAGGTGTGCATGCCTGACCC	39690	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012513	22_+_19951277_19951300	GACAAGGTGTGCATGCCTGACCCG	39691	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012514	22_+_19951278_19951296	ACAAGGTGTGCATGCCTGA	39692	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012515	22_+_19951278_19951297	ACAAGGTGTGCATGCCTGAC	39693	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012516	22_+_19951278_19951299	ACAAGGTGTGCATGCCTGACCC	39694	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012517	22_+_19951278_19951300	ACAAGGTGTGCATGCCTGACCCG	39695	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012518	22_+_19951278_19951301	ACAAGGTGTGCATGCCTGACCCGT	39696	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012519	22_+_19951278_19951304	ACAAGGTGTGCATGCCTGACCCGT TGT	39697	hsa-miR-4761-5p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012520	22_+_19951331_19951356	GGCAGGGAGGGCATGCGCACTTTG TC	39698	hsa-miR-4761-3p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012521	22_+_19951332_19951355	GCAGGGAGGGCATGCGCACTTTGT	39699	hsa-miR-4761-3p;Derives_from=MI0017402

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012522	22_+_19951336_19951356	GGAGGGCATGCGCACTTTGTC	39700	hsa-miR-4761-3p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012523	22_+_19951337_19951354	GAGGGCATGCGCACTTTG	39701	hsa-miR-4761-3p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012524	22_+_19951337_19951355	GAGGGCATGCGCACTTTGT	39702	hsa-miR-4761-3p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012525	22_+_19951337_19951356	GAGGGCATGCGCACTTTGTC	39703	hsa-miR-4761-3p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012526	22_+_19951337_19951359	GAGGGCATGCGCACTTTGTCCTC	39704	hsa-miR-4761-3p;Derives_from=MI0017402
NovelMiR_KnownLoci_ID0012527	22_+_20020676_20020694	TGGAGAGAAAGGCAGTTCC	39705	hsa-miR-185-5p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012528	22_+_20020676_20020695	TGGAGAGAAAGGCAGTTCCT	39706	hsa-miR-185-5p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012529	22_+_20020676_20020696	TGGAGAGAAAGGCACTTCCTG	39707	hsa-miR-185-5p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012530	22_+_20020676_20020698	TGGAGAGAAAGGCAGTTCCTGAT	39708	hsa-miR-185-5p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012531	22_+_20020676_20020699	TGGAGAGAAAGGCAGTTCCTGATG	39709	hsa-miR-185-5p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012532	22_+_20020710_20020729	CAGGGGCTGGCTTTCCTCTG	39710	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012533	22_+_20020710_20020731	CAGGGGCTGGCTTTCCTCTGGT	39711	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012534	22_+_20020710_20020732	CAGGGGCTGGCTTTCCTCTGGTC	39712	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012535	22_+_20020710_20020733	CAGGGGCTGGCTTTCCTCTGGTCC	39713	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012536	22_+_20020711_20020727	AGGGGCTGGCTTTCCTC	39714	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012537	22_+_20020711_20020728	AGGGGCTGGCTTTCCTCT	39715	hsa-miR-185-3p;Derives_from=MI0000482

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012538	22_+_20020711_20020730	AGGGGCTGGCTTTCCTCTGG	39716	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012539	22_+_20020711_20020731	AGGGGCTGGCTTTCCTCTGGT	39717	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012540	22_+_20020711_20020733	AGGGGCTGGCTTTCCTCTGGTCC	39718	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012541	22_+_20020711_20020734	AGGGGCTGGCTTTCCTCTGGTCCT	39719	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012542	22_+_20020711_20020735	AGGGGCTGGCTTTCCTCTGGTCCT T	39720	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012543	22_+_20020711_20020736	AGGGGCTGGCTTTCCTCTGGTCCT TC	39721	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012544	22_+_20020711_20020737	AGGGGCTGGCTTTCCTCTGGTCCT TCC	39722	hsa-miR-185-3p;Derives_from=MI0000482
NovelMiR_KnownLoci_ID0012545	22_+_20073314_20073331	AAAAGCTGTCTACATTAA	39723	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012546	22_+_20073317_20073342	AGCTGTCTACATTAATGAAAAGAG CA	39724	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012547	22_+_20073318_20073342	GCTGTCTACATTAATGAAAAGAGC A	39725	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012548	22_+_20073319_20073342	CTGTCTACATTAATGAAAAGAGCA	39726	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012549	22_+_20073320_20073342	TGTCTACATTAATGAAAAGAGCA	39727	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012550	22_+_20073320_20073343	TGTCTACATTAATGAAAAGAGCAA	39728	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012551	22_+_20073321_20073342	GTCTACATTAATGAAAAGAGCA	39729	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012552	22_+_20073321_20073345	GTCTACATTAATGAAAAGAGCAAT G	39730	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012553	22_+_20073322_20073341	TCTACATTAATGAAAAGAGC	39731	hsa-miR-3618;Derives_from=MI0016008

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012554	22_+_20073322_20073342	TCTACATTAATGAAAAGAGCA	39732	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012555	22_+_20073322_20073344	TCTACATTAATGAAAAGAGCAAT	39733	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012556	22_+_20073323_20073342	CTACATTAATGAAAAGAGCA	39734	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012557	22_+_20073323_20073344	CTACATTAATGAAAAGAGCAAT	39735	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012558	22_+_20073324_20073341	TACATTAATGAAAAGAGC	39736	hsa-miR-3618;Derives_from=MI0016008
NovelMiR_KnownLoci_ID0012559	22_+_20073595_20073612	CCACCTCCCCTGCAAACG	39737	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012560	22_+_20073595_20073613	CCACCTCCCCTGCAAACGT	39738	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012561	22_+_20073595_20073614	CCACCTCCCCTGCAAACGTC	39739	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012562	22_+_20073595_20073615	CCACCTCCCCTGCAAACGTCC	39740	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012563	22_+_20073595_20073617	CCACCTCCCCTGCAAACGTCCAG	39741	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012564	22_+_20073595_20073618	CCACCTCCCCTGCAAACGTCCAGT	39742	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012565	22_+_20073603_20073621	CCTGCAAACGTCCAGTGGT	39743	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012566	22_+_20073603_20073622	CCTGCAAACGTCCAGTGGTG	39744	hsa-miR-1306-5p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012567	22_+_20073629_20073644	TAATGGACGTTGGCTC	39745	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012568	22_+_20073634_20073652	GACGTTGGCTCTGGTGGTG	39746	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012569	22_+_20073634_20073653	GACGTTGGCTCTGGTGGTGA	39747	hsa-miR-1306-3p;Derives_from=MI0006443

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012570	22_+_20073634_20073654	GACGTTGGCTCTGGTGGTGAT	39748	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012571	22_+_20073634_20073655	GACGTTGGCTCTGGTGGTGATG	39749	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012572	22_+_20073634_20073656	GACGTTGGCTCTGGTGGTGATGG	39750	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012573	22_+_20073635_20073651	ACGTTGGCTCTGGTGGT	39751	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012574	22_+_20073635_20073654	ACGTTGGCTCTGGTGGTGAT	39752	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012575	22_+_20073635_20073655	ACGTTGGCTCTGGTGGTGATG	39753	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012576	22_+_20073635_20073656	ACGTTGGCTCTGGTGGTGATGG	39754	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012577	22_+_20073635_20073658	ACGTTGGCTCTGGTGGTGATGGAC	39755	hsa-miR-1306-3p;Derives_from=MI0006443
NovelMiR_KnownLoci_ID0012578	22_-_20102210_20102230	GGACCTGCACCTTCGCCCACA	39756	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012579	22_-_20102210_20102231	AGGACCTGCACCTTCGCCCACA	39757	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012580	22_-_20102210_20102232	AAGGACCTGCACCTTCGCCCACA	39758	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012581	22_-_20102210_20102233	GAAGGACCTGCACCTTCGCCCACA	39759	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012582	22_-_20102211_20102232	AAGGACCTGCACCTTCGCCCAC	39760	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012583	22_-_20102212_20102232	AAGGACCTGCACCTTCGCCCA	39761	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012584	22_-_20102212_20102233	GAAGGACCTGCACCTTCGCCCA	39762	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012585	22_-_20102213_20102232	AAGGACCTGCACCTTCGCCC	39763	hsa-miR-6816-3p;Derives_from=MI0022661

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012586	22_-_20102214_20102232	AAGGACCTGCACCTTCGCC	39764	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012587	22_-_20102223_20102239	GACACTGAAGGACCTGC	39765	hsa-miR-6816-3p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012588	22_-_20102243_20102264	CGGGGCAGGTCCCTGCAGGGAC	39766	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012589	22_-_20102245_20102268	GGGGCGGGGCAGGTCCCTGCAGGG	39767	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012590	22_-_20102246_20102269	TGGGGCGGGGCAGGTCCCTGCAGG	39768	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012591	22_-_20102247_20102268	GGGGCGGGGCAGGTCCCTGCAG	39769	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012592	22_-_20102247_20102271	AGTGGGGCGGGGCAGGTCCCTGCAG	39770	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012593	22_-_20102248_20102268	GGGGCGGGGCAGGTCCCTGCA	39771	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012594	22_-_20102248_20102269	TGGGGCGGGGCAGGTCCCTGCA	39772	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012595	22_-_20102254_20102271	AGTGGGGCGGGGCAGGTC	39773	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012596	22_-_20102255_20102271	AGTGGGGCGGGGCAGGT	39774	hsa-miR-6816-5p;Derives_from=MI0022661
NovelMiR_KnownLoci_ID0012597	2_-_220158842_220158859	ACAAAAGTGATCATTGGC	39775	hsa-miR-153-3p;Derives_from=MI0000463
NovelMiR_KnownLoci_ID0012598	2_-_220158842_220158869	TTGCATAGTCACAAAAGTGATCATTGGC	39776	hsa-miR-153-3p;Derives_from=MI0000463
NovelMiR_KnownLoci_ID0012599	2_-_220158860_220158875	CTCCAGTTGCATAGTC	39777	hsa-miR-153-3p;Derives_from=MI0000463
NovelMiR_KnownLoci_ID0012600	22_-_20236664_20236688	TGCAGGACCAAGATGAGCCCTTGGT	39778	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012601	22_-_20236665_20236687	GCAGGACCAAGATGAGCCCTTGG	39779	hsa-miR-1286;Derives_from=MI0006348

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012602	22_-_20236665_20236688	TGCAGGACCAAGATGAGCCCTTGG	39780	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012603	22_-_20236666_20236688	TGCAGGACCAAGATGAGCCCTTG	39781	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012604	22_-_20236667_20236688	TGCAGGACCAAGATGAGCCCTT	39782	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012605	22_-_20236669_20236688	TGCAGGACCAAGATGAGCCC	39783	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012606	22_-_20236670_20236688	TGCAGGACCAAGATGAGCC	39784	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012607	22_-_20236671_20236688	TGCAGGACCAAGATGAGC	39785	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012608	22_-_20236672_20236688	TGCAGGACCAAGATGAG	39786	hsa-miR-1286;Derives_from=MI0006348
NovelMiR_KnownLoci_ID0012609	2_-_220413842_220413863	ATGGGTAGAGAAGGAGCTCAGA	39787	hsa-miR-3132;Derives_from=MI0014152
NovelMiR_KnownLoci_ID0012610	2_-_220771231_220771254	CGGCTCCTCCTCTCAGGATGTGAT	39788	hsa-miR-4268;Derives_from=MI0015874
NovelMiR_KnownLoci_ID0012611	2_-_220771232_220771254	CGGCTCCTCCTCTCAGGATGTGA	39789	hsa-miR-4268;Derives_from=MI0015874
NovelMiR_KnownLoci_ID0012612	22_+_22007314_22007330	CAGTGCAATGATATTGT	39790	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012613	22_+_22007314_22007331	CAGTGCAATGATATTGTC	39791	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012614	22_+_22007314_22007332	CAGTGCAATGATATTGTCA	39792	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012615	22_+_22007314_22007333	CAGTGCAATGATATTGTCAA	39793	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012616	22_+_22007314_22007334	CAGTGCAATGATATTGTCAAA	39794	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012617	22_+_22007314_22007335	CAGTGCAATGATATTGTCAAAG	39795	hsa-miR-301b;Derives_from=MI0005568

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012618	22_+_22007314_22007337	CAGTGCAATGATATTGTCAAAGCA	39796	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012619	22_+_22007314_22007338	CAGTGCAATGATATTGTCAAAGCAT	39797	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012620	22_+_22007314_22007339	CAGTGCAATGATATTGTCAAAGCATC	39798	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012621	22_+_22007314_22007340	CAGTGCAATGATATTGTCAAAGCATCT	39799	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012622	22_+_22007315_22007335	AGTGCAATGATATTGTCAAAG	39800	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012623	22_+_22007315_22007336	AGTGCAATGATATTGTCAAAGC	39801	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012624	22_+_22007315_22007339	AGTGCAATGATATTGTCAAAGCATC	39802	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012625	22_+_22007317_22007339	TGCAATGATATTGTCAAAGCATC	39803	hsa-miR-301b;Derives_from=MI0005568
NovelMiR_KnownLoci_ID0012626	22_+_22007599_22007625	CCCGACACTCTTTCCCTGTTGCACTAC	39804	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012627	22_+_22007601_22007624	CGACACTCTTTCCCTGTTGCACTA	39805	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012628	22_+_22007603_22007624	ACACTCTTTCCCTGTTGCACTA	39806	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012629	22_+_22007605_22007626	ACTCTTTCCCTGTTGCACTACT	39807	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012630	22_+_22007605_22007627	ACTCTTTCCCTGTTGCACTACTA	39808	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012631	22_+_22007605_22007628	ACTCTTTCCCTGTTGCACTACTAT	39809	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012632	22_+_22007605_22007629	ACTCTTTCCCTGTTGCACTACTATA	39810	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012633	22_+_22007605_22007630	ACTCTTTCCCTGTTGCACTACTATAG	39811	hsa-miR-130b-5p;Derives_from=MI0000748

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012634	22_+_22007605_22007631	ACTCTTTCCCTGTTGCACTACTAT AGG	39812	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012635	22_+_22007606_22007625	CTCTTTCCCTGTTGCACTAC	39813	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012636	22_+_22007606_22007626	CTCTTTCCCTGTTGCACTACT	39814	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012637	22_+_22007606_22007629	CTCTTTCCCTGTTGCACTACTATA	39815	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012638	22_+_22007607_22007626	TCTTTCCCTGTTGCACTACT	39816	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012639	22_+_22007607_22007628	TCTTTCCCTGTTGCACTACTAT	39817	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012640	22_+_22007608_22007626	CTTTCCCTGTTGCACTACT	39818	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012641	22_+_22007608_22007630	CTTTCCCTGTTGCACTACTATAG	39819	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012642	22_+_22007608_22007631	CTTTCCCTGTTGCACTACTATAGG	39820	hsa-miR-130b-5p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012643	22_+_22007643_22007660	CAGTGCAATGATGAAAGG	39821	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012644	22_+_22007643_22007661	CAGTGCAATGATGAAAGGG	39822	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012645	22_+_22007643_22007662	CAGTGCAATGATGAAAGGGC	39823	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012646	22_+_22007643_22007663	CAGTGCAATGATGAAAGGGCA	39824	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012647	22_+_22007643_22007665	CAGTGCAATGATGAAAGGGCATC	39825	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012648	22_+_22007643_22007666	CAGTGCAATGATGAAAGGGCATCG	39826	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012649	22_+_22007643_22007668	CAGTGCAATGATGAAAGGGCATCG GT	39827	hsa-miR-130b-3p;Derives_from=MI0000748

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012650	22_+_22007644_22007664	AGTGCAATGATGAAAGGGCAT	39828	hsa-miR-130b-3p;Derives_from=MI0000748
NovelMiR_KnownLoci_ID0012651	22_+_23165283_23165306	TCAGGAGGCAGCGCTCTCAGGACG	39829	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012652	22_+_23165284_23165309	CAGGAGGCAGCGCTCTCAGGACGTCA	39830	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012653	22_+_23165284_23165311	CAGGAGGCAGCGCTCTCAGGACGTCACC	39831	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012654	22_+_23165287_23165311	GAGGCAGCGCTCTCAGGACGTCACC	39832	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012655	22_+_23165288_23165306	AGGCAGCGCTCTCAGGACG	39833	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012656	22_+_23165289_23165306	GGCAGCGCTCTCAGGACG	39834	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012657	22_+_23165290_23165307	GCAGCGCTCTCAGGACGT	39835	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012658	22_+_23165290_23165308	GCAGCGCTCTCAGGACGTC	39836	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012659	22_+_23165293_23165311	GCGCTCTCAGGACGTCACC	39837	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012660	22_+_23165294_23165311	CGCTCTCAGGACGTCACC	39838	hsa-miR-650;Derives_from=MI0003665
NovelMiR_KnownLoci_ID0012661	22_+_23228467_23228486	CAAGCAATTCTCAAAGGAGC	39839	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012662	22_+_23228467_23228487	CAAGCAATTCTCAAAGGACCC	39840	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012663	22_+_23228468_23228485	AAGCAATTCTCAAAGGAG	39841	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012664	22_+_23228468_23228486	AAGCAATTCTCAAAGGAGC	39842	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012665	22_+_23228468_23228487	AAGCAATTCTCAAAGGAGCC	39843	hsa-miR-5571-5p;Derives_from=MI0019115

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012666	22_+_23228468_23228488	AAGCAATTCTCAAAGGAGCCT	39844	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012667	22_+_23228468_23228490	AAGCAATTCTCAAAGGAGCCTCC	39845	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012668	22_+_23228469_23228488	AGCAATTCTCAAAGGAGCCT	39846	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012669	22_+_23228469_23228490	AGCAATTCTCAAAGGAGCCTCC	39847	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012670	22_+_23228470_23228491	GCAATTCTCAAAGGAGCCTCCC	39848	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012671	22_+_23228470_23228492	GCAATTCTCAAAGGAGCCTCCCA	39849	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012672	22_+_23228473_23228496	ATTCTCAAAGGAGCCTCCCAGGAA	39850	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012673	22_+_23228475_23228496	TCTCAAAGGAGCCTCCCAGGAA	39851	hsa-miR-5571-5p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012674	22_+_23228508_23228528	GAAGTCCTAGGAGGCTCCTCT	39852	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012675	22_+_23228509_23228530	AAGTCCTAGGAGGCTCCTCTGA	39853	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012676	22_+_23228511_23228531	GTCCTAGGAGGCTCCTCTGAG	39854	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012677	22_+_23228512_23228530	TCCTAGGAGGCTCCTCTGA	39855	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012678	22_+_23228512_23228534	TCCTAGGAGGCTCCTCTGAGAGT	39856	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012679	22_+_23228514_23228535	CTAGGAGGCTCCTCTGAGAGTT	39857	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012680	22_+_23228515_23228532	TAGGAGGCTCCTCTGAGA	39858	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012681	22_+_23228515_23228533	TAGGAGGCTCCTCTGAGAG	39859	hsa-miR-5571-3p;Derives_from=MI0019115

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012682	22_+_23228515_23228534	TAGGAGGCTCCTCTGAGAGT	39860	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012683	22_+_23228515_23228535	TAGGAGGCTCCTCTGAGAGTT	39861	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012684	22_+_23228516_23228535	AGGAGGCTCCTCTGAGAGTT	39862	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012685	22_+_23228517_23228535	GGAGGCTCCTCTGAGAGTT	39863	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012686	22_+_23228518_23228535	GAGGCTCCTCTGAGAGTT	39864	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012687	22_+_23228519_23228535	AGGCTCCTCTGAGAGTT	39865	hsa-miR-5571-3p;Derives_from=MI0019115
NovelMiR_KnownLoci_ID0012688	22_+_25851657_25851677	TTTCTCTCTGACTCCATGGCA	39866	hsa-miR-6817-3p;Derives_from=MI0022662
NovelMiR_KnownLoci_ID0012689	22_+_25851658_25851679	TTCTCTCTGACTCCATGGCAGC	39867	hsa-miR-6817-3p;Derives_from=MI0022662
NovelMiR_KnownLoci_ID0012690	22_+_25851659_25851678	TCTCTCTGACTCCATGGCAG	39868	hsa-miR-6817-3p;Derives_from=MI0022662
NovelMiR_KnownLoci_ID0012691	22_+_25851659_25851679	TCTCTCTGACTCCATGGCAGC	39869	hsa-miR-6817-3p;Derives_from=MI0022662
NovelMiR_KnownLoci_ID0012692	22_+_25851659_25851680	TCTCTCTGACTCCATGGCAGCT	39870	hsa-miR-6817-3p;Derives_from=MI0022662
NovelMiR_KnownLoci_ID0012693	2_-_225875227_225875252	GACTGATACCTTGGAGGCATTTTATC	39871	hsa-miR-4439;Derives_from=MI0016782
NovelMiR_KnownLoci_ID0012694	2_-_225875230_225875255	AGTGACTGATACCTTGGAGGCATTTT	39872	hsa-miR-4439;Derives_from=MI0016782
NovelMiR_KnownLoci_ID0012695	2_-_225875231_225875252	GACTGATACCTTGGAGGCATTT	39873	hsa-miR-4439;Derives_from=MI0016782
NovelMiR_KnownLoci_ID0012696	2_-_225875232_225875251	ACTGATACCTTGGAGGCATT	39874	hsa-miR-4439;Derives_from=MI0016782
NovelMiR_KnownLoci_ID0012697	2_-_225875232_225875252	GACTGATACCTTGGAGGCATT	39875	hsa-miR-4439;Derives_from=MI0016782

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012698	2_-_225875232_225875253	TGACTGATACCTTGGAGGCATT	39876	hsa-miR-4439;Derives_from=MI0016782
NovelMiR_KnownLoci_ID0012699	2_-_225875232_225875254	GTGACTGATACCTTGGAGGCATT	39877	hsa-miR-4439;Derives_from=MI0016782
NovelMiR_KnownLoci_ID0012700	22_-_26951199_26951216	CATTACTTTTGCACCAGC	39878	hsa-miR-548j-3p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012701	22_-_26951199_26951224	AAAAACTGCATTACTTTTGCACCAGC	39879	hsa-miR-548j-3p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012702	22_-_26951199_26951225	CAAAAACTGCATTACTTTTGCACCAGC	39880	hsa-miR-548j-3p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012703	22_-_26951236_26951262	CAAAAGTAATTGCGGTCTTTGGTATTA	39881	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012704	22_-_26951237_26951261	AAAAGTAATTGCGGTCTTTGGTATT	39882	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012705	22_-_26951237_26951262	CAAAAGTAATTGCGGTCTTTGGTATT	39883	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012706	22_-_26951237_26951263	GCAAAAGTAATTGCGGTCTTTGGTATT	39884	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012707	22_-_26951238_26951261	AAAAGTAATTGCGGTCTTTGGTAT	39885	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012708	22_-_26951239_26951261	AAAAGTAATTGCGGTCTTTGGTA	39886	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012709	22_-_26951239_26951262	CAAAAGTAATTGCGGTCTTTGGTA	39887	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012710	22_-_26951240_26951262	CAAAAGTAATTGCGGTCTTTGGT	39888	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012711	22_-_26951241_26951261	AAAAGTAATTGCGGTCTTTGG	39889	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012712	22_-_26951241_26951262	CAAAAGTAATTGCGGTCTTTGG	39890	hsa-miR-548j-5p;Derives_from=MI0006345
NovelMiR_KnownLoci_ID0012713	2_-_227523432_227523455	AGTCAGCAACATATCCCATGACTT	39891	hsa-miR-5702;Derives_from=MI0019309

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012714	2_-_227523433_227523455	AGTCAGCAACATATCCCATGACT	39892	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012715	2_-_227523434_227523457	TGAGTCAGCAACATATCCCATGAC	39893	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012716	2_-_227523435_227523455	AGTCAGCAACATATCCCATGA	39894	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012717	2_-_227523435_227523457	TGAGTCAGCAACATATCCCATGA	39895	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012718	2_-_227523437_227523457	TGAGTCAGCAACATATCCCAT	39896	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012719	2_-_227523438_227523457	TGAGTCAGCAACATATCCCA	39897	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012720	2_-_227523438_227523458	TTGAGTCAGCAACATATCCCA	39898	hsa-miR-5702;Derives_from=MI0019309
NovelMiR_KnownLoci_ID0012721	22_+_28316517_28316532	ACTCCCAGGGACTGCC	39899	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012722	22_+_28316517_28316533	ACTCCCAGGGACTGCCT	39900	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012723	22_+_28316517_28316534	ACTCCCAGGGACTGCCTT	39901	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012724	22_+_28316517_28316536	ACTCCCAGGGACTGCCTTAG	39902	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012725	22_+_28316517_28316537	ACTCCCAGGGACTGCCTTAGG	39903	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012726	22_+_28316517_28316538	ACTCCCAGGGACTGCCTTAGGA	39904	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012727	22_+_28316517_28316539	ACTCCCAGGGACTGCCTTAGGAG	39905	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012728	22_+_28316519_28316539	TCCCAGGGACTGCCTTAGGAG	39906	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012729	22_+_28316519_28316540	TCCCAGGGACTGCCTTAGGAGA	39907	hsa-miR-3199;Derives_from=MI0014248

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012730	22_+_28316519_28316541	TCCCAGGGACTGCCTTAGGAGAA	39908	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012731	22_+_28316519_28316542	TCCCAGGGACTGCCTTAGGAGAAA	39909	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012732	22_+_28316520_28316540	CCCAGGGACTGCCTTAGGAGA	39910	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012733	22_+_28316520_28316541	CCCAGGGACTGCCTTAGGAGAA	39911	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012734	22_+_28316529_28316551	TGCCTTAGGAGAAAGTTTCTGGA	39912	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012735	22_+_28316531_28316551	CCTTAGGAGAAAGTTTCTGGA	39913	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012736	22_+_28316532_28316551	CTTAGGAGAAAGTTTCTGGA	39914	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012737	22_+_28316533_28316551	TTAGGAGAAAGTTTCTGGA	39915	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012738	22_+_28316534_28316551	TAGGAGAAAGTTTCTGGA	39916	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012739	22_+_28316535_28316551	AGGAGAAAGTTTCTGGA	39917	hsa-miR-3199;Derives_from=MI0014248
NovelMiR_KnownLoci_ID0012740	22_-_28316563_28316580	TAGGAGAAAGTTTCTGGA	39918	hsa-miR-3199;Derives_from=MI0014247
NovelMiR_KnownLoci_ID0012741	22_-_28316563_28316581	TTAGGAGAAAGTTTCTGGA	39919	hsa-miR-3199;Derives_from=MI0014247
NovelMiR_KnownLoci_ID0012742	22_-_28316563_28316582	CTTAGGAGAAAGTTTCTGGA	39920	hsa-miR-3199;Derives_from=MI0014247
NovelMiR_KnownLoci_ID0012743	2_+_228336873_228336890	CCCTCAGGAGAAGTCGGG	39921	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012744	2_+_228336874_228336894	CCTCAGGAGAAGTCGGGAAGG	39922	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012745	2_+_228336875_228336894	CTCAGGAGAAGTCGGGAAGG	39923	hsa-miR-5703;Derives_from=MI0019310

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012746	2_+_228336875_228336895	CTCAGGAGAAGTCGGGAAGGT	39924	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012747	2_+_228336875_228336896	CTCAGGAGAAGTCGGGAAGGTG	39925	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012748	2_+_228336876_228336895	TCAGGAGAAGTCGGGAAGGT	39926	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012749	2_+_228336876_228336896	TCAGGAGAAGTCGGGAAGGTG	39927	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012750	2_+_228336876_228336897	TCAGGAGAAGTCGGGAAGGTGG	39928	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012751	2_+_228336877_228336895	CAGGAGAAGTCGGGAAGGT	39929	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012752	2_+_228336877_228336897	CAGGAGAAGTCGGGAAGGTGG	39930	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012753	2_+_228336877_228336901	CAGGAGAAGTCGGGAAGGTGGCGGC	39931	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012754	2_+_228336878_228336897	AGGAGAAGTCGGGAAGGTGG	39932	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012755	2_+_228336878_228336899	AGGAGAAGTCGGGAAGGTGGCG	39933	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012756	2_+_228336878_228336901	AGGAGAAGTCGGGAAGGTGGCGGC	39934	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012757	2_+_228336879_228336896	GGAGAAGTCGGGAAGGTG	39935	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012758	2_+_228336879_228336897	GGAGAAGTCGGGAAGGTGG	39936	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012759	2_+_228336879_228336901	GGAGAAGTCGGGAAGGTGGCGGC	39937	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012760	2_+_228336881_228336897	AGAAGTCGGGAAGGTGG	39938	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012761	2_+_228336883_228336901	AAGTCGGGAAGGTGGCGGC	39939	hsa-miR-5703;Derives_from=MI0019310

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012762	2_+_228336884_228336901	AGTCGGGAAGGTGGCGGC	39940	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012763	2_+_228336886_228336901	TCGGGAAGGTGGCGGC	39941	hsa-miR-5703;Derives_from=MI0019310
NovelMiR_KnownLoci_ID0012764	22_+_28855907_28855923	TGTCCTGCGGAGAGAGA	39942	hsa-miR-5739;Derives_from=MI0019412
NovelMiR_KnownLoci_ID0012765	22_-_29729159_29729177	AAGTTGACTGAAGGGGCTG	39943	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012766	22_-_29729160_29729179	AGAAGTTGACTGAAGGGGCT	39944	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012767	22_-_29729160_29729182	CTAAGAAGTTGACTGAAGGGGCT	39945	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012768	22_-_29729162_29729177	AAGTTGACTGAAGGGG	39946	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012769	22_-_29729162_29729186	GCCTCTAAGAAGTTGACTGAAGGGG	39947	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012770	22_-_29729163_29729180	AAGAAGTTGACTGAAGGG	39948	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012771	22_-_29729163_29729183	TCTAAGAAGTTGACTGAAGGG	39949	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012772	22_-_29729163_29729184	CTCTAAGAAGTTGACTGAAGGG	39950	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012773	22_-_29729163_29729185	CCTCTAAGAAGTTGACTGAAGGG	39951	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012774	22_-_29729163_29729186	GCCTCTAAGAAGTTGACTGAAGGG	39952	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012775	22_-_29729163_29729187	AGCCTCTAAGAAGTTGACTGAAGGG	39953	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012776	22_-_29729163_29729188	GAGCCTCTAAGAAGTTGACTGAAGGG	39954	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012777	22_-_29729164_29729182	CTAAGAAGTTGACTGAAGG	39955	hsa-miR-3653;Derives_from=MI0016053

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012778	22_-_29729164_29729184	CTCTAAGAAGTTGACTGAAGG	39956	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012779	22_-_29729164_29729186	GCCTCTAAGAAGTTGACTGAAGG	39957	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012780	22_-_29729164_29729187	AGCCTCTAAGAAGTTGACTGAAGG	39958	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012781	22_-_29729164_29729188	GAGCCTCTAAGAAGTTGACTGAAG G	39959	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012782	22_-_29729165_29729184	CTCTAAGAAGTTGACTGAAG	39960	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012783	22_-_29729165_29729185	CCTCTAAGAAGTTGACTGAAG	39961	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012784	22_-_29729165_29729186	GCCTCTAAGAAGTTGACTGAAG	39962	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012785	22_-_29729165_29729187	AGCCTCTAAGAAGTTGACTGAAG	39963	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012786	22_-_29729165_29729188	GAGCCTCTAAGAAGTTGACTGAAG	39964	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012787	22_-_29729166_29729188	GAGCCTCTAAGAAGTTGACTGAA	39965	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012788	22_-_29729167_29729188	GAGCCTCTAAGAAGTTGACTGA	39966	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012789	22_-_29729168_29729188	GAGCCTCTAAGAAGTTGACTG	39967	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012790	22_-_29729170_29729187	AGCCTCTAAGAAGTTGAC	39968	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012791	22_-_29729170_29729188	GAGCCTCTAAGAAGTTGAC	39969	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012792	22_-_29729172_29729188	GAGCCTCTAAGAAGTTG	39970	hsa-miR-3653;Derives_from=MI0016053
NovelMiR_KnownLoci_ID0012793	22_+_30403040_30403064	ATTTTGTGTGAGTACAGAGAGCAT C	39971	hsa-miR-6818-5p;Derives_from=MI0022663

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012794	22_+_30403041_30403064	TTTTGTGTGAGTACAGAGAGCATC	39972	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012795	22_+_30403042_30403062	TTTGTGTGAGTACAGAGAGCA	39973	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012796	22_+_30403042_30403063	TTTGTGTGAGTACAGAGAGCAT	39974	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012797	22_+_30403042_30403064	TTTGTGTGAGTACAGAGAGCATC	39975	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012798	22_+_30403042_30403065	TTTGTGTGAGTACAGAGAGCATCT	39976	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012799	22_+_30403042_30403066	TTTGTGTGAGTACAGAGAGCATCTG	39977	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012800	22_+_30403043_30403060	TTGTGTGAGTACAGAGAG	39978	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012801	22_+_30403043_30403061	TTGTGTGAGTACAGAGAGC	39979	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012802	22_+_30403043_30403062	TTGTGTGAGTACAGAGAGCA	39980	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012803	22_+_30403043_30403063	TTGTGTGAGTACAGAGAGCAT	39981	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012804	22_+_30403043_30403065	TTGTGTGAGTACAGAGAGCATCT	39982	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012805	22_+_30403043_30403066	TTGTGTGAGTACAGAGAGCATCTG	39983	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012806	22_+_30403044_30403063	TGTGTGAGTACAGAGAGCAT	39984	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012807	22_+_30403044_30403064	TGTGTGAGTACAGAGAGCATC	39985	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012808	22_+_30403044_30403065	TGTGTGAGTACAGAGAGCATCT	39986	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012809	22_+_30403046_30403067	TGTGAGTACAGAGAGCATCTGA	39987	hsa-miR-6818-5p;Derives_from=MI0022663

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012810	22_+_30403046_30403070	TGTGAGTACAGAGAGCATCTGAATG	39988	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012811	22_+_30403052_30403070	TACAGAGAGCATCTGAATG	39989	hsa-miR-6818-5p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012812	22_+_30403075_30403099	CAGTTGTTGTCTCTTGTTCCTCAC A	39990	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012813	22_+_30403077_30403100	GTTGTTGTCTCTTGTTCCTCACAC	39991	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012814	22_+_30403078_30403099	TTGTTGTCTCTTGTTCCTCACA	39992	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012815	22_+_30403078_30403100	TTGTTGTCTCTTGTTCCTCACAC	39993	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012816	22_+_30403078_30403101	TTGTTGTCTCTTGTTCCTCACACA	39994	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012817	22_+_30403078_30403103	TTGTTGTCTCTTGTTCCTCACACA GG	39995	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012818	22_+_30403079_30403099	TGTTGTCTCTTGTTCCTCACA	39996	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012819	22_+_30403079_30403100	TGTTGTCTCTTGTTCCTCACAC	39997	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012820	22_+_30403079_30403101	TGTTGTCTCTTGTTCCTCACACA	39998	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012821	22_+_30403079_30403102	TGTTGTCTCTTGTTCCTCACACAG	39999	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012822	22_+_30403079_30403103	TGTTGTCTCTTGTTCCTCACACAG G	40000	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012823	22_+_30403080_30403102	GTTGTCTCTTGTTCCTCACACAG	40001	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012824	22_+_30403081_30403101	TTGTCTCTTGTTCCTCACACA	40002	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012825	22_+_30403081_30403103	TTGTCTCTTGTTCCTCACACAGG	40003	hsa-miR-6818-3p;Derives_from=MI0022663

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012826	22_+_30403081_30403104	TTGTCTCTTGTTCCTCACACAGGC	40004	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012827	22_+_30403082_30403101	TGTCTCTTGTTCCTCACACA	40005	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012828	22_+_30403082_30403102	TGTCTCTTGTTCCTCACACAG	40006	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012829	22_+_30403082_30403103	TGTCTCTTGTTCCTCACACAGG	40007	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012830	22_+_30403082_30403104	TGTCTCTTGTTCCTCACACAGGC	40008	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012831	22_+_30403082_30403105	TGTCTCTTGTTCCTCACACAGGCA	40009	hsa-miR-6818-3p;Derives_from=MI0022663
NovelMiR_KnownLoci_ID0012832	22_+_31127555_31127572	GAATCTGAGAAGGCGCAC	40010	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012833	22_+_31127555_31127576	GAATCTGAGAAGGCGCACAAGG	40011	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012834	22_+_31127555_31127577	GAATCTGAGAAGGCGCACAAGGT	40012	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012835	22_+_31127555_31127578	GAATCTGAGAAGGCGCACAAGGTT	40013	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012836	22_+_31127555_31127579	GAATCTGAGAAGGCGCACAAGGTT T	40014	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012837	22_+_31127556_31127571	AATCTGAGAAGGCGCA	40015	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012838	22_+_31127556_31127573	AATCTGAGAAGGCGCACA	40016	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012839	22_+_31127556_31127575	AATCTGAGAAGGCGCACAAG	40017	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012840	22_+_31127556_31127576	AATCTGAGAAGGCGCACAAGG	40018	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012841	22_+_31127556_31127578	AATCTGAGAAGGCGCACAAGGTT	40019	hsa-miR-3200-5p;Derives_from=MI0014249

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012842	22_+_31127556_31127579	AATCTGAGAAGGCGCACAAGGTTT	40020	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012843	22_+_31127556_31127580	AATCTGAGAAGGCGCACAAGGTTTG	40021	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012844	22_+_31127556_31127581	AATCTGAGAAGGCGCACAAGGTTTGT	40022	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012845	22_+_31127556_31127583	AATCTGAGAAGGCGCACAAGGTTTGTGT	40023	hsa-miR-3200-5p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012846	22_+_31127597_31127612	CACCTTGCGCTACTCA	40024	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012847	22_+_31127597_31127615	CACCTTGCGCTACTCAGGT	40025	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012848	22_+_31127597_31127616	CACCTTGCGCTACTCAGGTC	40026	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012849	22_+_31127597_31127617	CACCTTGCGCTACTCAGGTCT	40027	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012850	22_+_31127597_31127619	CACCTTGCGCTACTCAGGTCTGC	40028	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012851	22_+_31127597_31127620	CACCTTGCGCTACTCAGGTCTGCT	40029	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012852	22_+_31127597_31127621	CACCTTGCGCTACTCAGGTCTGCTC	40030	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012853	22_+_31127597_31127623	CACCTTGCGCTACTCAGGTCTGCTCGT	40031	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012854	22_+_31127597_31127624	CACCTTGCGCTACTCAGGTCTGCTCGTG	40032	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012855	22_+_31127598_31127613	ACCTTGCGCTACTCAG	40033	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012856	22_+_31127598_31127617	ACCTTGCGCTACTCAGGTCT	40034	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012857	22_+_31127599_31127619	CCTTGCGCTACTCAGGTCTGC	40035	hsa-miR-3200-3p;Derives_from=MI0014249

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012858	22_+_31127601_31127621	TTGCGCTACTCAGGTCTGCTC	40036	hsa-miR-3200-3p;Derives_from=MI0014249
NovelMiR_KnownLoci_ID0012859	22_-_31556043_31556067	AGGAACCTTGGAGCTTCGGCAGCTT	40037	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012860	22_-_31556045_31556067	AGGAACCTTGGAGCTTCGGCAGC	40038	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012861	22_-_31556045_31556068	GAGGAACCTTGGAGCTTCGGCAGC	40039	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012862	22_-_31556045_31556069	GGAGGAACCTTGGAGCTTCGGCAGC	40040	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012863	22_-_31556046_31556067	AGGAACCTTGGAGCTTCGGCAG	40041	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012864	22_-_31556046_31556069	GGAGGAACCTTGGAGCTTCGGCAG	40042	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012865	22_-_31556047_31556067	AGGAACCTTGGAGCTTCGGCA	40043	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012866	22_-_31556047_31556069	GGAGGAACCTTGGAGCTTCGGCA	40044	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012867	22_-_31556048_31556067	AGGAACCTTGGAGCTTCGGC	40045	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012868	22_-_31556049_31556067	AGGAACCTTGGAGCTTCGG	40046	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012869	22_-_31556049_31556069	GGAGGAACCTTGGAGCTTCGG	40047	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012870	22_-_31556050_31556069	GGAGGAACCTTGGAGCTTCG	40048	hsa-miR-3928-3p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012871	22_-_31556078_31556102	GAAGCTCTAAGGTTCCGCCTGCGGG	40049	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012872	22_-_31556079_31556102	GAAGCTCTAAGGTTCCGCCTGCGG	40050	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012873	22_-_31556080_31556102	GAAGCTCTAAGGTTCCGCCTGCG	40051	hsa-miR-3928-5p;Derives_from=MI0016438

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012874	22_-_31556081_31556101	AAGCTCTAAGGTTCCGCCTGC	40052	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012875	22_-_31556081_31556102	GAAGCTCTAAGGTTCCGCCTGC	40053	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012876	22_-_31556082_31556102	GAAGCTCTAAGGTTCCGCCTG	40054	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012877	22_-_31556083_31556102	GAAGCTCTAAGGTTCCGCCT	40055	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012878	22_-_31556083_31556104	CTGAAGCTCTAAGGTTCCGCCT	40056	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012879	22_-_31556084_31556102	GAAGCTCTAAGGTTCCGCC	40057	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012880	22_-_31556084_31556108	ATGGCTGAAGCTCTAAGGTTCCGCC	40058	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012881	22_-_31556085_31556105	GCTGAAGCTCTAAGGTTCCGC	40059	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012882	22_-_31556085_31556106	GGCTGAAGCTCTAAGGTTCCGC	40060	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012883	22_-_31556085_31556107	TGGCTGAAGCTCTAAGGTTCCGC	40061	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012884	22_-_31556087_31556107	TGGCTGAAGCTCTAAGGTTCC	40062	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012885	22_-_31556087_31556108	ATGGCTGAAGCTCTAAGGTTCC	40063	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012886	22_-_31556088_31556108	ATGGCTGAAGCTCTAAGGTTC	40064	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012887	22_-_31556089_31556108	ATGGCTGAAGCTCTAAGGTT	40065	hsa-miR-3928-5p;Derives_from=MI0016438
NovelMiR_KnownLoci_ID0012888	22_-_32017456_32017479	AAGCCTCTCCTGCCCTTCCAGATT	40066	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012889	22_-_32017456_32017480	CAAGCCTCTCCTGCCCTTCCAGATT	40067	hsa-miR-7109-3p;Derives_from=MI0022960

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012890	22_-_32017457_32017479	AAGCCTCTCCTGCCCTTCCAGAT	40068	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012891	22_-_32017457_32017480	CAAGCCTCTCCTGCCCTTCCAGAT	40069	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012892	22_-_32017458_32017480	CAAGCCTCTCCTGCCCTTCCAGA	40070	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012893	22_-_32017460_32017480	CAAGCCTCTCCTGCCCTTCCA	40071	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012894	22_-_32017461_32017480	CAAGCCTCTCCTGCCCTTCC	40072	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012895	22_-_32017462_32017480	CAAGCCTCTCCTGCCCTTC	40073	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012896	22_-_32017464_32017480	CAAGCCTCTCCTGCCCT	40074	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012897	22_-_32017469_32017486	TGGCAGCAAGCCTCTCCT	40075	hsa-miR-7109-3p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012898	22_-_32017486_32017501	AGACCCTGCTCTCCCT	40076	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012899	22_-_32017489_32017514	TCCTGGGGGGAGGAGACCCTGCTC TC	40077	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012900	22_-_32017490_32017513	CCTGGGGGGAGGAGACCCTGCTCT	40078	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012901	22_-_32017491_32017512	CTGGGGGGAGGAGACCCTGCTC	40079	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012902	22_-_32017491_32017513	CCTGGGGGGAGGAGACCCTGCTC	40080	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012903	22_-_32017492_32017513	CCTGGGGGGAGGAGACCCTGCT	40081	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012904	22_-_32017492_32017514	TCCTGGGGGGAGGAGACCCTGCT	40082	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012905	22_-_32017493_32017513	CCTGGGGGGAGGAGACCCTGC	40083	hsa-miR-7109-5p;Derives_from=MI0022960

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012906	22_-_32017493_32017514	TCCTGGGGGGAGGAGACCCTGC	40084	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012907	22_-_32017494_32017512	CTGGGGGGAGGAGACCCTG	40085	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012908	22_-_32017495_32017512	CTGGGGGGAGGAGACCCT	40086	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012909	22_-_32017495_32017513	CCTGGGGGGAGGAGACCCT	40087	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012910	22_-_32017495_32017514	TCCTGGGGGGAGGAGACCCT	40088	hsa-miR-7109-5p;Derives_from=MI0022960
NovelMiR_KnownLoci_ID0012911	2_+_232227428_232227448	TCGGCATTCTAGATGAGAGAT	40089	hsa-miR-4777-5p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012912	2_+_232227428_232227449	TCGGCATTCTAGATGAGAGATA	40090	hsa-miR-4777-5p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012913	2_+_232227470_232227490	ATGGTATACCTCATCTAGAAT	40091	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012914	2_+_232227470_232227492	ATGGTATACCTCATCTAGAATGC	40092	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012915	2_+_232227470_232227493	ATGGTATACCTCATCTAGAATGCT	40093	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012916	2_+_232227474_232227492	TATACCTCATCTAGAATGC	40094	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012917	2_+_232227474_232227494	TATACCTCATCTAGAATGCTG	40095	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012918	2_+_232227474_232227495	TATACCTCATCTAGAATGCTGT	40096	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012919	2_+_232227474_232227496	TATACCTCATCTAGAATGCTGTA	40097	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012920	2_+_232227475_232227494	ATACCTCATCTAGAATGCTG	40098	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012921	2_+_232227475_232227495	ATACCTCATCTAGAATGCTGT	40099	hsa-miR-4777-3p;Derives_from=MI0017421

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012922	2_+_232227475_232227499	ATACCTCATCTAGAATGCTGTAATA	40100	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012923	2_+_232227476_232227497	TACCTCATCTAGAATGCTGTAA	40101	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012924	2_+_232227476_232227499	TACCTCATCTAGAATGCTGTAATA	40102	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012925	2_+_232227476_232227501	TACCTCATCTAGAATGCTGTAATATT	40103	hsa-miR-4777-3p;Derives_from=MI0017421
NovelMiR_KnownLoci_ID0012926	2_-_233415197_233415214	GTCCAGGTCCTTGTGACC	40104	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012927	2_-_233415197_233415216	CTGTCCAGGTCCTTGTGACC	40105	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012928	2_-_233415200_233415224	TTCTGCCTCTGTCCAGGTCCTTGTG	40106	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012929	2_-_233415201_233415223	TCTGCCTCTGTCCAGGTCCTTGT	40107	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012930	2_-_233415201_233415224	TTCTGCCTCTGTCCAGGTCCTTGT	40108	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012931	2_-_233415202_233415223	TCTGCCTCTGTCCAGGTCCTTG	40109	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012932	2_-_233415202_233415224	TTCTGCCTCTGTCCAGGTCCTTG	40110	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012933	2_-_233415202_233415225	GTTCTGCCTCTGTCCAGGTCCTTG	40111	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012934	2_-_233415203_233415223	TCTGCCTCTGTCCAGGTCCTT	40112	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012935	2_-_233415204_233415224	TTCTGCCTCTGTCCAGGTCCT	40113	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012936	2_-_233415205_233415224	TTCTGCCTCTGTCCAGGTCC	40114	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012937	2_-_233415205_233415225	GTTCTGCCTCTGTCCAGGTCC	40115	hsa-miR-5001-3p;Derives_from=MI0017867

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012938	2_-_233415206_233415224	TTCTGCCTCTGTCCAGGTC	40116	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012939	2_-_233415206_233415226	AGTTCTGCCTCTGTCCAGGTC	40117	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012940	2_-_233415206_233415227	CAGTTCTGCCTCTGTCCAGGTC	40118	hsa-miR-5001-3p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012941	2_-_233415235_233415255	ACTCAGCGGCGGAGCTGGCTG	40119	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012942	2_-_233415236_233415257	GGACTCAGCGGCGGAGCTGGCT	40120	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012943	2_-_233415236_233415263	AGGGCTGGACTCAGCGGCGGAGCTGGCT	40121	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012944	2_-_233415238_233415256	GACTCAGCGGCGGAGCTGG	40122	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012945	2_-_233415238_233415257	GGACTCAGCGGCGGAGCTGG	40123	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012946	2_-_233415238_233415263	AGGGCTGGACTCAGCGGCGGAGCTGG	40124	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012947	2_-_233415239_233415263	AGGGCTGGACTCAGCGGCGGAGCTG	40125	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012948	2_-_233415241_233415263	AGGGCTGGACTCAGCGGCGGAGC	40126	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012949	2_-_233415242_233415258	TGGACTCAGCGGCGGAG	40127	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012950	2_-_233415242_233415263	AGGGCTGGACTCAGCGGCGGAG	40128	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012951	2_-_233415243_233415263	AGGGCTGGACTCAGCGGCGGA	40129	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012952	2_-_233415244_233415263	AGGGCTGGACTCAGCGGCGG	40130	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012953	2_-_233415245_233415260	GCTGGACTCAGCGGCG	40131	hsa-miR-5001-5p;Derives_from=MI0017867

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012954	2_-_233415245_233415263	AGGGCTGGACTCAGCGGCG	40132	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012955	2_-_233415245_233415268	CGCAGAGGGCTGGACTCAGCGGCG	40133	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012956	2_-_233415245_233415269	GCGCAGAGGGCTGGACTCAGCGGC G	40134	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012957	2_-_233415247_233415269	GCGCAGAGGGCTGGACTCAGCGG	40135	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012958	2_-_233415251_233415269	GCGCAGAGGGCTGGACTCA	40136	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012959	2_-_233415252_233415269	GCGCAGAGGGCTGGACTC	40137	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012960	2_-_233415253_233415269	GCGCAGAGGGCTGGACT	40138	hsa-miR-5001-5p;Derives_from=MI0017867
NovelMiR_KnownLoci_ID0012961	22_-_33832574_33832596	CTTAACTCCTTTCACACCCATGG	40139	hsa-miR-4764-3p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012962	22_-_33832575_33832596	GTTAACTCCTTTCACACCCATG	40140	hsa-miR-4764-3p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012963	22_-_33832576_33832596	GTTAACTCCTTTCACACCCAT	40141	hsa-miR-4764-3p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012964	22_-_33832623_33832643	ATGTGGAAGGAGTTATCTGTC	40142	hsa-miR-4764-5p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012965	22_-_33832623_33832646	TGGATGTGGAAGGAGTTATCTGTC	40143	hsa-miR-4764-5p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012966	22_-_33832624_33832646	TGGATGTGGAAGGAGTTATCTGT	40144	hsa-miR-4764-5p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012967	22_-_33832625_33832646	TGGATGTGGAAGGAGTTATCTG	40145	hsa-miR-4764-5p;Derives_from=MI0017405
NovelMiR_KnownLoci_ID0012968	22_+_35731701_35731721	CTTGTCCTCTAGGGCCTGCAG	40146	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012969	22_+_35731701_35731722	CTTGTCCTCTAGGGCCTGCAGT	40147	hsa-miR-3909;Derives_from=MI0016413

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012970	22_+_35731701_35731725	CTTGTCCTCTAGGGCCTGCAGTCTC	40148	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012971	22_+_35731702_35731719	TTGTCCTCTAGGGCCTGC	40149	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012972	22_+_35731702_35731721	TTGTCCTCTAGGGCCTGCAG	40150	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012973	22_+_35731702_35731722	TTGTCCTCTAGGGCCTGCAGT	40151	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012974	22_+_35731702_35731724	TTGTCCTCTAGGGCCTGCAGTCT	40152	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012975	22_+_35731702_35731725	TTGTCCTCTAGGGCCTGCAGTCTC	40153	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012976	22_+_35731703_35731721	TGTCCTCTAGGGCCTGCAG	40154	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012977	22_+_35731703_35731722	TGTCCTCTAGGGCCTGCAGT	40155	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012978	22_+_35731703_35731723	TGTCCTCTAGGGCCTGCAGTC	40156	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012979	22_+_35731703_35731725	TGTCCTCTAGGGCCTGCAGTCTC	40157	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012980	22_+_35731703_35731726	TGTCCTCTAGGGCCTGCAGTCTCA	40158	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012981	22_+_35731703_35731728	TGTCCTCTAGGGCCTGCAGTCTCATG	40159	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012982	22_+_35731704_35731724	GTCCTCTAGGGCCTGCAGTCT	40160	hsa-miR-3909;Derives_from=MI0016413
NovelMiR_KnownLoci_ID0012983	22_-_35732757_35732777	TAGGGCCTGCTGCCCCCTGCC	40161	hsa-miR-6069;Derives_from=MI0020346
NovelMiR_KnownLoci_ID0012984	22_-_35732758_35732777	TAGGGCCTGCTGCCCCCTGC	40162	hsa-miR-6069;Derives_from=MI0020346
NovelMiR_KnownLoci_ID0012985	22_-_35732760_35732777	TAGGGCCTGCTGCCCCCT	40163	hsa-miR-6069;Derives_from=MI0020346

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0012986	22_-_36682890_36682913	AAGCCTCTGTCCCCACCCCAGGCC	40164	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012987	22_-_36682890_36682914	CAAGCCTCTGTCCCCACCCCAGGCC	40165	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012988	22_-_36682891_36682913	AAGCCTCTGTCCCCACCCCAGGC	40166	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012989	22_-_36682891_36682915	CCAAGCCTCTGTCCCCACCCCAGGC	40167	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012990	22_-_36682892_36682913	AAGCCTCTGTCCCCACCCCAGG	40168	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012991	22_-_36682892_36682914	CAAGCCTCTGTCCCCACCCCAGG	40169	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012992	22_-_36682893_36682914	CAAGCCTCTGTCCCCACCCCAG	40170	hsa-miR-6819-3p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012993	22_-_36682926_36682948	TTGGGGTGGAGGGCCAAGGAGCT	40171	hsa-miR-6819-5p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012994	22_-_36682928_36682948	TTGGGGTGGAGGGCCAAGGAG	40172	hsa-miR-6819-5p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012995	22_-_36682929_36682948	TTGGGGTGGAGGGCCAAGGA	40173	hsa-miR-6819-5p;Derives_from=MI0022664
NovelMiR_KnownLoci_ID0012996	22_-_38240288_38240303	GTCCGTTGGTCGGTCG	40174	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0012997	22_-_38240288_38240307	GTAGGTCCGTTGGTCGGTCG	40175	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0012998	22_-_38240295_38240318	GGCGGAGGGAAGTAGGTCCGTTGG	40176	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0012999	22_-_38240295_38240319	GGGCGGAGGGAAGTAGGTCCGTTGG	40177	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013000	22_-_38240296_38240314	GAGGGAAGTAGGTCCGTTG	40178	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013001	22_-_38240296_38240318	GGCGGAGGGAAGTAGGTCCGTTG	40179	hsa-miR-658;Derives_from=MI0003682

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013002	22_-_38240296_38240319	GGGCGGAGGGAAGTAGGTCCGTTG	40180	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013003	22_-_38240297_38240316	CGGAGGGAAGTAGGTCCGTT	40181	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013004	22_-_38240298_38240318	GGCGGAGGGAAGTAGGTCCGT	40182	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013005	22_-_38240298_38240319	GGGCGGAGGGAAGTAGGTCCGT	40183	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013006	22_-_38240299_38240314	GAGGGAAGTAGGTCCG	40184	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013007	22_-_38240299_38240316	CGGAGGGAAGTAGGTCCG	40185	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013008	22_-_38240301_38240321	CAGGGCGGAGGGAAGTAGGTC	40186	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013009	22_-_38240301_38240322	TCAGGGCGGAGGGAAGTAGGTC	40187	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013010	22_-_38240301_38240323	CTCAGGGCGGAGGGAAGTAGGTC	40188	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013011	22_-_38240301_38240324	ACTCAGGGCGGAGGGAAGTAGGTC	40189	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013012	22_-_38240304_38240320	AGGGCGGAGGGAAGTAG	40190	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013013	22_-_38240304_38240323	CTCAGGGCGGAGGGAAGTAG	40191	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013014	22_-_38240306_38240323	CTCAGGGCGGAGGGAAGT	40192	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013015	22_-_38240307_38240324	ACTCAGGGCGGAGGGAAG	40193	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013016	22_-_38240308_38240324	ACTCAGGGCGGAGGGAA	40194	hsa-miR-658;Derives_from=MI0003682
NovelMiR_KnownLoci_ID0013017	22_-_38240309_38240324	ACTCAGGGCGGAGGGA	40195	hsa-miR-658;Derives_from=MI0003682

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013018	22_-_38243696_38243717	GTTCAGGGAGGGTCCCCAACAA	40196	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013019	22_-_38243697_38243720	TTGGTTCAGGGAGGGTCCCCAACA	40197	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013020	22_-_38243697_38243721	CTTGGTTCAGGGAGGGTCCCCAACA	40198	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013021	22_-_38243698_38243720	TTGGTTCAGGGAGGGTCCCCAAC	40199	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013022	22_-_38243698_38243721	CTTGGTTCAGGGAGGGTCCCCAAC	40200	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013023	22_-_38243699_38243720	TTGGTTCAGGGAGGGTCCCCAA	40201	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013024	22_-_38243699_38243721	CTTGGTTCAGGGAGGGTCCCCAA	40202	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013025	22_-_38243699_38243722	CCTTGGTTCAGGGAGGGTCCCCAA	40203	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013026	22_-_38243700_38243719	TGGTTCAGGGAGGGTCCCCA	40204	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013027	22_-_38243700_38243720	TTGGTTCAGGGAGGGTCCCCA	40205	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013028	22_-_38243700_38243722	CCTTGGTTCAGGGAGGGTCCCCA	40206	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013029	22_-_38243701_38243721	CTTGGTTCAGGGAGGGTCCCC	40207	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013030	22_-_38243701_38243722	CCTTGGTTCAGGGAGGGTCCCC	40208	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013031	22_-_38243701_38243723	TCCTTGGTTCAGGGAGGGTCCCC	40209	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013032	22_-_38243702_38243722	CCTTGGTTCAGGGAGGGTCCC	40210	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013033	22_-_38243703_38243721	CTTGGTTCAGGGAGGGTCC	40211	hsa-miR-659-3p;Derives_from=MI0003683

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013034	22_-_38243703_38243723	TCCTTGGTTCAGGGAGGGTCC	40212	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013035	22_-_38243703_38243724	TTCCTTGGTTCAGGGAGGGTCC	40213	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013036	22_-_38243704_38243721	CTTGGTTCAGGGAGGGTC	40214	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013037	22_-_38243704_38243723	TCCTTGGTTCAGGGAGGGTC	40215	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013038	22_-_38243704_38243724	TTCCTTGGTTCAGGGAGGGTC	40216	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013039	22_-_38243705_38243724	TTCCTTGGTTCAGGGAGGGT	40217	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013040	22_-_38243706_38243725	CTTCCTTGGTTCAGGGAGGG	40218	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013041	22_-_38243707_38243724	TTCCTTGGTTCAGGGAGG	40219	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013042	22_-_38243707_38243725	CTTCCTTGGTTCAGGGAGG	40220	hsa-miR-659-3p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013043	22_-_38243733_38243749	TGAACCAAGGAAGAGTC	40221	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013044	22_-_38243733_38243751	CCTGAACCAAGGAAGAGTC	40222	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013045	22_-_38243733_38243754	TTCCCTGAACCAAGGAAGAGTC	40223	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013046	22_-_38243733_38243757	ACCTTCCCTGAACCAAGGAAGAGT C	40224	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013047	22_-_38243735_38243760	AGGACCTTCCCTGAACCAAGGAAG AG	40225	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013048	22_-_38243736_38243758	GACCTTCCCTGAACCAAGGAAGA	40226	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013049	22_-_38243737_38243758	GACCTTCCCTGAACCAAGGAAG	40227	hsa-miR-659-5p;Derives_from=MI0003683

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013050	22_-_38243737_38243759	GGACCTTCCCTGAACCAAGGAAG	40228	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013051	22_-_38243737_38243760	AGGACCTTCCCTGAACCAAGGAAG	40229	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013052	22_-_38243738_38243758	GACCTTCCCTGAACCAAGGAA	40230	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013053	22_-_38243738_38243759	GGACCTTCCCTGAACCAAGGAA	40231	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013054	22_-_38243738_38243760	AGGACCTTCCCTGAACCAAGGAA	40232	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013055	22_-_38243739_38243758	GACCTTCCCTGAACCAAGGA	40233	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013056	22_-_38243739_38243759	GGACCTTCCCTGAACCAAGGA	40234	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013057	22_-_38243739_38243761	CAGGACCTTCCCTGAACCAAGGA	40235	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013058	22_-_38243740_38243760	AGGACCTTCCCTGAACCAAGG	40236	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013059	22_-_38243740_38243761	CAGGACCTTCCCTGAACCAAGG	40237	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013060	22_-_38243741_38243760	AGGACCTTCCCTGAACCAAG	40238	hsa-miR-659-5p;Derives_from=MI0003683
NovelMiR_KnownLoci_ID0013061	22_+_38363570_38363593	CCTTCTGCGGCAGAGCTGGGGTCA	40239	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013062	22_+_38363572_38363593	TTCTGCGGCAGAGCTGGGGTCA	40240	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013063	22_+_38363572_38363595	TTCTGCGGCAGAGCTGGGGTCACC	40241	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013064	22_+_38363573_38363593	TCTGCGGCAGAGCTGGGGTCA	40242	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013065	22_+_38363573_38363594	TCTGCGGCAGAGCTGGGGTCAC	40243	hsa-miR-6820-5p;Derives_from=MI0022665

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013066	22_+_38363573_38363595	TCTGCGGCAGAGCTGGGGTCACC	40244	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013067	22_+_38363573_38363598	TCTGCGGCAGAGCTGGGGTCACCAGC	40245	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013068	22_+_38363574_38363593	CTGCGGCAGAGCTGGGGTCA	40246	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013069	22_+_38363574_38363595	CTGCGGCAGAGCTGGGGTCACC	40247	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013070	22_+_38363574_38363596	CTGCGGCAGAGCTGGGGTCACCA	40248	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013071	22_+_38363574_38363597	CTGCGGCAGAGCTGGGGTCACCAG	40249	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013072	22_+_38363575_38363591	TGCGGCAGAGCTGGGGT	40250	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013073	22_+_38363575_38363592	TGCGGCAGAGCTGGGGTC	40251	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013074	22_+_38363575_38363594	TGCGGCAGAGCTGCGGTCAC	40252	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013075	22_+_38363575_38363595	TGCGGCAGAGCTGGGGTCACC	40253	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013076	22_+_38363575_38363596	TGCGGCAGAGCTGGGGTCACCA	40254	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013077	22_+_38363575_38363597	TGCGGCAGAGCTGGGGTCACCAG	40255	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013078	22_+_38363575_38363598	TGCGGCAGAGCTGGGGTCACCAGC	40256	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013079	22_+_38363581_38363599	AGAGCTGGGGTCACCAGCC	40257	hsa-miR-6820-5p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013080	22_+_38363610_38363628	TGTGACTTCTCCCCTGCCA	40258	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013081	22_+_38363610_38363630	TGTGACTTCTCCCCTGCCACA	40259	hsa-miR-6820-3p;Derives_from=MI0022665

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013082	22_+_38363610_38363632	TGTGACTTCTCCCCTGCCACAGG	40260	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013083	22_+_38363610_38363633	TGTGACTTCTCCCCTGCCACAGGG	40261	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013084	22_+_38363611_38363632	GTGACTTCTCCCCTGCCACAGG	40262	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013085	22_+_38363611_38363633	GTGACTTCTCCCCTGCCACAGGG	40263	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013086	22_+_38363612_38363632	TGACTTCTCCCCTGCCACAGG	40264	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013087	22_+_38363612_38363633	TGACTTCTCCCCTGCCACAGGG	40265	hsa-miR-6820-3p;Derives_from=MI0022665
NovelMiR_KnownLoci_ID0013088	2_+_238419573_238419595	TTATGCAGGCCTGTGTACAGCAC	40266	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013089	2_+_238419574_238419596	TATGCAGGCCTGTGTACAGCACT	40267	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013090	2_+_238419574_238419597	TATGCAGGCCTGTGTACAGCACTC	40268	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013091	2_+_238419575_238419597	ATGCAGGCCTGTGTACAGCACTC	40269	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013092	2_+_238419575_238419598	ATGCAGGCCTGTGTACAGCACTCA	40270	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013093	2_+_238419577_238419597	GCAGGCCTGTGTACAGCACTC	40271	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013094	2_+_238419583_238419601	CTGTGTACAGCACTCAGGC	40272	hsa-miR-6811-5p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013095	2_+_238419611_238419628	AGCCTGTGCTTGTCCCTG	40273	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013096	2_+_238419611_238419629	AGCCTGTGCTTGTCCCTGC	40274	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013097	2_+_238419611_238419632	AGCCTGTGCTTGTCCCTGCAGA	40275	hsa-miR-6811-3p;Derives_from=MI0022656

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013098	2_+_238419611_238419633	AGCCTGTGCTTGTCCCTGCAGAG	40276	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013099	2_+_238419611_238419634	AGCCTGTGCTTGTCCCTGCAGAGT	40277	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013100	2_+_238419612_238419631	GCCTGTGCTTGTCCCTGCAG	40278	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013101	2_+_238419612_238419632	GCCTGTGCTTGTCCCTGCAGA	40279	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013102	2_+_238419612_238419633	GCCTGTGCTTGTCCCTGCAGAG	40280	hsa-miR-6811-3p;Derives_from=MI0022656
NovelMiR_KnownLoci_ID0013103	2_-_239990519_239990535	TTGCTGGCTTGCACTGT	40281	hsa-miR-4440;Derives_from=MI0016783
NovelMiR_KnownLoci_ID0013104	2_-_239990521_239990546	TGTCGTGGGGCTTGCTGGCTTGCACT	40282	hsa-miR-4440;Derives_from=MI0016783
NovelMiR_KnownLoci_ID0013105	2_+_240227165_240227187	CTGCAGGCACAGACAGCCCTGGC	40283	hsa-miR-4269;Derives_from=MI0015875
NovelMiR_KnownLoci_ID0013106	2_-_240273424_240273445	AGAGGCAGAGAGGCTCAGGGTC	40284	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013107	2_-_240273424_240273446	CAGAGGCAGAGAGGCTCAGGGTC	40285	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013108	2_-_240273424_240273448	ACCAGAGGCAGAGAGGCTCAGGGTC	40286	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013109	2_-_240273426_240273448	AGCAGAGGCAGAGAGGCTCAGGG	40287	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013110	2_-_240273428_240273448	AGCAGAGGCAGAGAGGCTCAG	40288	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013111	2_-_240273429_240273446	CAGAGGCAGAGAGGCTCA	40289	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013112	2_-_240273429_240273448	AGCAGAGGCAGAGAGGCTCA	40290	hsa-miR-2467-3p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013113	2_-_240273430_240273448	AGCAGAGGCAGAGAGGCTC	40291	hsa-miR-2467-3p;Derives_from=MI0017432

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013114	2_-_240273461_240273487	GAGGCTCTGTTAGCCTTGGCTCTG GGT	40292	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013115	2_-_240273462_240273488	TGAGGCTCTGTTAGCCTTGGCTCT GGG	40293	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013116	2_-_240273463_240273488	TGAGGCTCTGTTAGCCTTGGCTCT GG	40294	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013117	2_-_240273465_240273488	TGAGGCTCTGTTAGCCTTGGCTCT	40295	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013118	2_-_240273467_240273488	TGAGGCTCTGTTAGCCTTGGCT	40296	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013119	2_-_240273468_240273488	TGAGGCTCTGTTAGCCTTGGC	40297	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013120	2_-_240273469_240273488	TGAGGCTCTGTTAGCCTTGG	40298	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013121	2_-_240273469_240273491	ACCTGAGGCTCTGTTAGCCTTGG	40299	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013122	2_-_240273470_240273491	ACCTGAGGCTCTGTTAGCCTTG	40300	hsa-miR-2467-5p;Derives_from=MI0017432
NovelMiR_KnownLoci_ID0013123	2_-_240882436_240882461	TGAAGCCAGCTCTGGTCTGGGCCA TT	40301	hsa-miR-4786-3p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013124	2_-_240882437_240882461	TGAAGCCAGCTCTGGTCTGGGCCA T	40302	hsa-miR-4786-3p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013125	2_-_240882438_240882461	TGAAGCCAGCTCTGGTCTGGGCCA	40303	hsa-miR-4786-3p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013126	2_-_240882439_240882461	TGAAGCCAGCTCTGGTCTGGGCC	40304	hsa-miR-4786-3p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013127	2_-_240882440_240882462	GTGAAGCCAGCTCTGGTCTGGGC	40305	hsa-miR-4786-3p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013128	2_-_240882442_240882461	TGAAGCCAGCTCTGGTCTGG	40306	hsa-miR-4786-3p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013129	2_-_240882476_240882500	GAGACCAGGACTGGATGCACCACT C	40307	hsa-miR-4786-5p;Derives_from=MI0017433

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013130	2_-_240882476_240882501	TGAGACCAGGACTGGATGCACCAC TC	40308	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013131	2_-_240882478_240882501	TGAGACCAGGACTGCATGCCACCAC	40309	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013132	2_-_240882479_240882501	TGAGACCAGGACTGGATGCACCA	40310	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013133	2_-_240882480_240882502	CTGAGACCAGGACTGGATGCACC	40311	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013134	2_-_240882481_240882501	TGAGACCAGGACTGGATGCAC	40312	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013135	2_-_240882481_240882502	CTGAGACCAGGACTGGATGCAC	40313	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013136	2_-_240882482_240882501	TGAGACCAGGACTGGATGCA	40314	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013137	2_-_240882482_240882502	CTGAGACCAGGACTGGATGCA	40315	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013138	2_-_240882484_240882501	TGAGACCAGGACTGGATG	40316	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013139	2_-_240882486_240882505	GGCCTGAGACCAGGACTGGA	40317	hsa-miR-4786-5p;Derives_from=MI0017433
NovelMiR_KnownLoci_ID0013140	22_-_41209892_41209913	CAATTGCTCTTTTGGAAGGAAC	40318	hsa-miR-4766-3p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013141	22_-_41209893_41209915	AGCAATTGCTCTTTTGGAAGGAA	40319	hsa-miR-4766-3p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013142	22_-_41209894_41209915	AGCAATTGCTCTTTTGGAAGGA	40320	hsa-miR-4766-3p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013143	22_-_41209894_41209916	TAGCAATTGCTCTTTTGGAAGGA	40321	hsa-miR-4766-3p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013144	22_-_41209895_41209916	TAGCAATTGCTCTTTTGGAAGG	40322	hsa-miR-4766-3p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013145	22_-_41209895_41209917	ATAGCAATTGCTCTTTTGGAAGG	40323	hsa-miR-4766-3p;Derives_from=MI0017407

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013146	22_-_41209896_41209917	ATAGCAATTGCTCTTTTTGGAAG	40324	hsa-miR-4766-3p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013147	22_-_41209927_41209951	TCTGAAAGAGCAGTTGGTGTTTATT	40325	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013148	22_-_41209928_41209950	CTGAAAGAGCAGTTGGTGTTTAT	40326	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013149	22_-_41209928_41209951	TCTGAAAGAGCAGTTGGTGTTTAT	40327	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013150	22_-_41209929_41209951	TCTGAAAGAGCAGTTGGTGTTTA	40328	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013151	22_-_41209930_41209950	CTGAAAGAGCAGTTGGTGTTT	40329	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013152	22_-_41209930_41209951	TCTGAAAGAGCAGTTGGTGTTT	40330	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013153	22_-_41209932_41209951	TCTGAAAGAGCAGTTGGTGT	40331	hsa-miR-4766-5p;Derives_from=MI0017407
NovelMiR_KnownLoci_ID0013154	2_+_241395432_241395449	TCTGGCTCCGTGTCTTCA	40332	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013155	2_+_241395432_241395450	TCTGGCTCCGTGTCTTCAC	40333	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013156	2_+_241395432_241395451	TCTGGCTCCGTGTCTTCACT	40334	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013157	2_+_241395432_241395452	TCTGGCTCCGTGTCTTCACTC	40335	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013158	2_+_241395432_241395453	TCTGGCTCCGTGTCTTCACTCC	40336	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013159	2_+_241395432_241395455	TCTGGCTCCGTGTCTTCACTCCCG	40337	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013160	2_+_241395432_241395456	TCTGGCTCCGTGTCTTCACTCCCGT	40338	hsa-miR-149-5p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013161	2_+_241395472_241395490	GAGGGAGGGACGGGGGCTG	40339	hsa-miR-149-3p;Derives_from=MI0000478

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013162	2_+_241395472_241395491	GAGGGAGGGACGGGGGCTGT	40340	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013163	2_+_241395472_241395492	GAGGGAGGGACGGGGGCTGTG	40341	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013164	2_+_241395472_241395493	GAGGGAGGGACGGGGGCTGTGC	40342	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013165	2_+_241395472_241395494	GAGGGAGGGACGGGGGCTGTGCT	40343	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013166	2_+_241395472_241395495	GAGGGAGGGACGGGGGCTGTGCTG	40344	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013167	2_+_241395472_241395496	GAGGGAGGGACGGGGGCTGTGCTG G	40345	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013168	2_+_241395473_241395496	AGGGAGGGACGGGGGCTGTGCTGG	40346	hsa-miR-149-3p;Derives_from=MI0000478
NovelMiR_KnownLoci_ID0013169	22_+_41488543_41488560	CTCTTGTCGCCTCCTCCT	40347	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013170	22_+_41488543_41488561	CTCTTGTCGCCTCCTCCTC	40348	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013171	22_+_41488543_41488567	CTCTTGTCGCCTCCTCCTCTCCCC C	40349	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013172	22_+_41488547_41488569	TGTCGCCTCCTCCTCTCCCCCCT	40350	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013173	22_+_41488551_41488571	GCCTCCTCCTCTCCCCCCTTT	40351	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013174	22_+_41488552_41488571	CCTCCTCCTCTCCCCCCTTT	40352	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013175	22_+_41488553_41488571	CTCCTCCTCTCCCCCCTTT	40353	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013176	22_+_41488554_41488571	TCCTCCTCTCCCCCCTTT	40354	hsa-miR-1281;Derives_from=MI0006428
NovelMiR_KnownLoci_ID0013177	22_-_41648993_41649015	TCTGTGCCCCTACTTCCCAGGAG	40355	hsa-miR-6889-3p;Derives_from=MI0022736

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013178	22_-_41648994_41649015	TCTGTGCCCCTACTTCCCAGGA	40356	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013179	22_-_41648994_41649016	CTCTGTGCCCCTACTTCCCAGGA	40357	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013180	22_-_41648995_41649014	CTGTGCCCCTACTTCCCAGG	40358	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013181	22_-_41648995_41649015	TCTGTGCCCCTACTTCCCAGG	40359	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013182	22_-_41648995_41649016	CTCTGTGCCCCTACTTCCCAGG	40360	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013183	22_-_41648996_41649016	CTCTGTGCCCCTACTTCCCAG	40361	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013184	22_-_41648997_41649015	TCTGTGCCCCTACTTCCCA	40362	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013185	22_-_41648998_41649016	CTCTGTGCCCCTACTTCCC	40363	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013186	22_-_41648999_41649020	GAGCCTCTGTGCCCCTACTTCC	40364	hsa-miR-6889-3p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013187	22_-_41649023_41649049	TCGGGGAGTCTGGGGTCCGGAATTCTC	40365	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013188	22_-_41649025_41649050	GTCGGGGAGTCTGGGGTCCGGAATTC	40366	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013189	22_-_41649026_41649050	GTCGGGGAGTCTGGGGTCCGGAATT	40367	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013190	22_-_41649027_41649050	GTCGGGGAGTCTGGGGTCCGGAAT	40368	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013191	22_-_41649028_41649049	TCGGGGAGTCTGGGGTCCGGAA	40369	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013192	22_-_41649029_41649049	TCGGGGAGTCTGGGGTCCGGA	40370	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013193	22_-_41649029_41649050	GTCGGGGAGTCTGGGGTCCGGA	40371	hsa-miR-6889-5p;Derives_from=MI0022736

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013194	22_-_41649030_41649049	TCGGGGAGTCTGGGGTCCGG	40372	hsa-miR-6889-5p;Derives_from=MI0022736
NovelMiR_KnownLoci_ID0013195	22_+_42296953_42296969	GTGCATTGTAGTTGCAT	40373	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013196	22_+_42296953_42296970	GTGCATTGTAGTTGCATT	40374	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013197	22_+_42296953_42296971	GTGCATTGTAGTTGCATTG	40375	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013198	22_+_42296953_42296972	GTGCATTGTAGTTGCATTGC	40376	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013199	22_+_42296953_42296974	GTGCATTGTAGTTGCATTGCAT	40377	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013200	22_+_42296953_42296975	GTGCATTGTAGTTGCATTGCATG	40378	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013201	22_+_42296953_42296976	GTGCATTGTAGTTGCATTGCATGT	40379	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013202	22_+_42296953_42296978	GTGCATTGTAGTTGCATTGCATGT TC	40380	hsa-miR-33a-5p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013203	22_+_42296989_42297012	CATGCAATGTTTCCACAGTGCATC	40381	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013204	22_+_42296990_42297012	ATGCAATGTTTCCACAGTGCATC	40382	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013205	22_+_42296991_42297012	TGCAATGTTTCCACAGTGCATC	40383	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013206	22_+_42296993_42297010	CAATGTTTCCACAGTGCA	40384	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013207	22_+_42296993_42297011	CAATGTTTCCACAGTGCAT	40385	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013208	22_+_42296993_42297012	CAATGTTTCCACAGTGCATC	40386	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013209	22_+_42296993_42297013	CAATGTTTCCACAGTGCATCA	40387	hsa-miR-33a-3p;Derives_from=MI0000091

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013210	22_+_42296993_42297015	CAATGTTTCCACAGTGCATCACA	40388	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013211	22_+_42296993_42297018	CAATGTTTCCACAGTGCATCACAGAG	40389	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013212	22_+_42296994_42297011	AATGTTTCCACAGTGCAT	40390	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013213	22_+_42296994_42297013	AATGTTTCCACAGTGCATCA	40391	hsa-miR-33a-3p;Derives_from=MI0000091
NovelMiR_KnownLoci_ID0013214	22_-_42319269_42319295	ACTGGACTAGGAGTCAGAAGGTGGAGT	40392	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013215	22_-_42319270_42319295	ACTGGACTAGGAGTCAGAAGGTGGAG	40393	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013216	22_-_42319271_42319295	ACTGGACTAGGAGTCAGAAGGTGGA	40394	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013217	22_-_42319272_42319295	ACTGGACTAGGAGTCAGAAGGTGG	40395	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013218	22_-_42319273_42319295	ACTGGACTAGGAGTCAGAAGGTG	40396	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013219	22_-_42319274_42319294	CTGGACTAGGAGTCAGAAGGT	40397	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013220	22_-_42319274_42319295	ACTGGACTAGGAGTCAGAAGGT	40398	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013221	22_-_42319283_42319301	GGGAGCACTGGACTAGGAG	40399	hsa-miR-378i;Derives_from=MI0016902
NovelMiR_KnownLoci_ID0013222	22_-_45596837_45596860	ACGCCCTTCCCCCCCTTCTTCACC	40400	hsa-miR-1249;Derives_from=MI0006384
NovelMiR_KnownLoci_ID0013223	22_-_45596837_45596861	AACGCCCTTCCCCCCCTTCTTCACC	40401	hsa-miR-1249;Derives_from=MI0006384
NovelMiR_KnownLoci_ID0013224	22_-_45596838_45596860	ACGCCCTTCCCCCCCTTCTTCAC	40402	hsa-miR-1249;Derives_from=MI0006384
NovelMiR_KnownLoci_ID0013225	22_-_45596840_45596860	ACGCCCTTCCCCCCCTTCTTC	40403	hsa-miR-1249;Derives_from=MI0006384

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013226	22_-_45596841_45596860	ACGCCCTTCCCCCCCTTCTT	40404	hsa-miR-1249;Derives_from=MI0006384
NovelMiR_KnownLoci_ID0013227	22_-_45596842_45596860	ACGCCCTTCCCCCCCTTCT	40405	hsa-miR-1249;Derives_from=MI0006384
NovelMiR_KnownLoci_ID0013228	22_+_46156407_46156427	ATACCCCAAATCTTGATCAGA	40406	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013229	22_+_46156410_46156430	CCCCAAATCTTGATCAGAAGC	40407	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013230	22_+_46156410_46156431	CCCCAAATCTTGATCAGAAGCC	40408	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013231	22_+_46156410_46156432	CCCCAAATCTTGATCAGAAGCCT	40409	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013232	22_+_46156410_46156433	CCCCAAATCTTGATCAGAAGCCTT	40410	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013233	22_+_46156411_46156433	CCCAAATCTTGATCAGAAGCCTT	40411	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013234	22_+_46156412_46156431	CCAAATCTTGATCAGAAGCC	40412	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013235	22_+_46156412_46156433	CCAAATCTTGATCAGAAGCCTT	40413	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013236	22_+_46156412_46156434	CCAAATCTTGATCAGAAGCCTTG	40414	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013237	22_+_46156413_46156437	CAAATCTTGATCAGAAGCCTTGATC	40415	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013238	22_+_46156415_46156435	AATCTTGATCAGAAGCCTTGA	40416	hsa-miR-4762-5p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013239	22_+_46156449_46156469	AGGCTTCTGATCAAGATTTGT	40417	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013240	22_+_46156449_46156470	AGGCTTCTGATCAAGATTTGTG	40418	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013241	22_+_46156449_46156471	AGGCTTCTGATCAAGATTTGTGG	40419	hsa-miR-4762-3p;Derives_from=MI0017403

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013242	22_+_46156450_46156470	GGCTTCTGATCAAGATTTGTG	40420	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013243	22_+_46156450_46156471	GGCTTCTGATCAAGATTTGTGG	40421	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013244	22_+_46156450_46156472	GGCTTCTGATCAAGATTTGTGGT	40422	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013245	22_+_46156452_46156472	CTTCTGATCAAGATTTGTGGT	40423	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013246	22_+_46156452_46156474	CTTCTGATCAAGATTTGTGGTGT	40424	hsa-miR-4762-3p;Derives_from=MI0017403
NovelMiR_KnownLoci_ID0013247	22_+_46486933_46486948	TTGCACTCAGCAGGCA	40425	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013248	22_+_46486936_46486960	CACTCAGCAGGCAGGCTGGTGCAGC	40426	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013249	22_+_46486939_46486957	TCAGCAGGCAGGCTGGTGC	40427	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013250	22_+_46486939_46486958	TCAGCAGGCAGGCTGCTGCA	40428	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013251	22_+_46486939_46486959	TCAGCAGGCAGGCTGGTGCAG	40429	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013252	22_+_46486939_46486961	TCAGCAGGCAGGCTGGTGCAGCC	40430	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013253	22_+_46486939_46486962	TCAGCAGGCAGGCTGGTGCAGCCC	40431	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013254	22_+_46486939_46486963	TCAGCAGGCAGGCTGGTGCAGCCCG	40432	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013255	22_+_46486939_46486964	TCAGCAGGCAGGCTGGTGCAGCCCGT	40433	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013256	22_+_46486939_46486965	TCAGCAGGCAGGCTGGTGCAGCCCGTG	40434	hsa-miR-3619-5p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013257	22_+_46486964_46486985	TGGTGGGGGACCATCCTGCCTG	40435	hsa-miR-3619-3p;Derives_from=MI0016009

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013258	22_+_46486970_46486988	GGGACCATCCTGCCTGCTG	40436	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013259	22_+_46486970_46486990	GGGACCATCCTGCCTGCTGTG	40437	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013260	22_+_46486970_46486992	GGGACCATCCTGCCTGCTGTGGG	40438	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013261	22_+_46486970_46486993	GGGACCATCCTGCCTGCTGTGGGG	40439	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013262	22_+_46486970_46486994	GGGACCATCCTGCCTGCTGTGGGGT	40440	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013263	22_+_46486970_46486995	GGGACCATCCTGCCTGCTGTGGGGTA	40441	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013264	22_+_46486970_46486996	GGGACCATCCTGCCTGCTGTGGGGTAA	40442	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013265	22_+_46486971_46486991	GGACCATCCTGCCTGCTGTGG	40443	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013266	22_+_46486971_46486992	GGACCATCCTGCCTGCTGTGGG	40444	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013267	22_+_46486971_46486993	GGACCATCCTGCCTGCTGTGGGG	40445	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013268	22_+_46486971_46486994	GGACCATCCTGCCTGCTGTGGGGT	40446	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013269	22_+_46486972_46486990	GACCATCCTGCCTGCTGTG	40447	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013270	22_+_46486972_46486991	GACCATCCTGCCTGCTGTGG	40448	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013271	22_+_46486972_46486993	GACCATCCTGCCTGCTGTGGGG	40449	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013272	22_+_46486972_46486994	GACCATCCTGCCTGCTGTGGGGT	40450	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013273	22_+_46486972_46486995	GACCATCCTGCCTGCTGTGGGGTA	40451	hsa-miR-3619-3p;Derives_from=MI0016009

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013274	22_+_46486972_46486996	GACCATCCTGCCTGCTGTGGGGTAA	40452	hsa-miR-3619-3p;Derives_from=MI0016009
NovelMiR_KnownLoci_ID0013275	22_+_46508631_46508649	GTGAGGTAGTAGGTTGTAT	40453	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013276	22_+_46508631_46508650	GTGAGGTAGTAGGTTGTATA	40454	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013277	22_+_46508631_46508651	GTGAGGTAGTAGGTTGTATAG	40455	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013278	22_+_46508631_46508652	GTGAGGTAGTAGGTTGTATAGT	40456	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013279	22_+_46508631_46508653	GTGAGGTAGTAGGTTGTATAGTT	40457	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013280	22_+_46508631_46508654	GTGAGGTAGTAGGTTGTATAGTTT	40458	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013281	22_+_46508632_46508655	TGAGGTAGTAGGTTGTATAGTTTG	40459	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013282	22_+_46508632_46508656	TGAGGTAGTAGGTTGTATAGTTTGG	40460	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013283	22_+_46508632_46508657	TGAGGTAGTAGGTTGTATAGTTTGGG	40461	hsa-let-7a-5p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013284	22_+_46508674_46508695	GGATAACTATACAATCTACTGT	40462	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013285	22_+_46508674_46508699	GGATAACTATACAATCTACTGTCTTT	40463	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013286	22_+_46508674_46508700	GGATAACTATACAATCTACTGTCTTTC	40464	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013287	22_+_46508674_46508701	GGATAACTATACAATCTACTGTCTTTCC	40465	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013288	22_+_46508680_46508703	CTATACAATCTACTGTCTTTCCTG	40466	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013289	22_+_46508680_46508704	CTATACAATCTACTGTCTTTCCTGA	40467	hsa-let-7a-3p;Derives_from=MI0000062

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013290	22_+_46508680_46508705	CTATACAATCTACTGTCTTTCCTGAA	40468	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013291	22_+_46508680_46508706	CTATACAATCTACTGTCTTTCCTGAAG	40469	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013292	22_+_46508681_46508703	TATACAATCTACTGTCTTTCCTG	40470	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013293	22_+_46508681_46508704	TATACAATCTACTGTCTTTCCTGA	40471	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013294	22_+_46508681_46508706	TATACAATCTACTGTCTTTCCTGAAG	40472	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013295	22_+_46508682_46508703	ATACAATCTACTGTCTTTCCTG	40473	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013296	22_+_46508682_46508704	ATACAATCTACTGTCTTTCCTGA	40474	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013297	22_+_46508682_46508705	ATACAATCTACTGTCTTTCCTGAA	40475	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013298	22_+_46508682_46508706	ATACAATCTACTGTCTTTCCTGAAG	40476	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013299	22_+_46508683_46508703	TACAATCTACTGTCTTTCCTG	40477	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013300	22_+_46508683_46508704	TACAATCTACTGTCTTTCCTGA	40478	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013301	22_+_46508683_46508705	TACAATCTACTGTCTTTCCTGAA	40479	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013302	22_+_46508684_46508705	ACAATCTACTGTCTTTCCTGAA	40480	hsa-let-7a-3p;Derives_from=MI0000062
NovelMiR_KnownLoci_ID0013303	22_+_46509464_46509487	CGCCTGCCCAGCCCTCCTGCTCTG	40481	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013304	22_+_46509464_46509490	CGCCTGCCCAGCCCTCCTGCTCTGGTG	40482	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013305	22_+_46509465_46509484	GCCTGCCCAGCCCTCCTGCT	40483	hsa-miR-4763-5p;Derives_from=MI0017404

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013306	22_+_46509465_46509486	GCCTGCCCAGCCCTCCTGCTCT	40484	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013307	22_+_46509465_46509488	GCCTGCCCAGCCCTCCTGCTCTGG	40485	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013308	22_+_46509466_46509489	CCTGCCCAGCCCTCCTGCTCTGGT	40486	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013309	22_+_46509466_46509490	CCTGCCCAGCCCTCCTGCTCTGGTG	40487	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013310	22_+_46509467_46509487	CTGCCCAGCCCTCCTGCTCTG	40488	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013311	22_+_46509467_46509488	CTGCCCAGCCCTCCTGCTCTGG	40489	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013312	22_+_46509467_46509489	CTGCCCAGCCCTCCTGCTCTGGT	40490	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013313	22_+_46509467_46509490	CTGCCCAGCCCTCCTGCTCTGGTG	40491	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013314	22_+_46509468_46509490	TGCCCAGCCCTCCTGCTCTGGTG	40492	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013315	22_+_46509472_46509490	CAGCCCTCCTGCTCTGGTG	40493	hsa-miR-4763-5p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013316	22_+_46509502_46509524	CCAGGCAGGGGCTGGTGCTGGGC	40494	hsa-miR-4763-3p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013317	22_+_46509503_46509525	CAGGCAGCGGCTGGTGCTGGGCG	40495	hsa-miR-4763-3p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013318	22_+_46509504_46509526	AGGCAGGGGCTGGTGCTGGGCGG	40496	hsa-miR-4763-3p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013319	22_+_46509504_46509528	AGGCAGGGGCTGGTGCTGGGCGGG	40497	hsa-miR-4763-3p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013320	22_+_46509504_46509529	AGGCAGGGGCTGGTGCTGGGCGGGG	40498	hsa-miR-4763-3p;Derives_from=MI0017404
NovelMiR_KnownLoci_ID0013321	22_+_46509504_46509530	AGGCAGGGGCTGGTGCTGGGCGGGGG	40499	hsa-miR-4763-3p;Derives_from=MI0017404

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013322	22_+_46509571_46509590	TGAGGTAGTAGGTTGTGTGG	40500	hsa-let-7b-5p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013323	22_+_46509571_46509591	TGAGGTAGTAGGTTGTGTGGT	40501	hsa-let-7b-5p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013324	22_+_46509571_46509593	TGAGGTAGTAGGTTGTGTGGTTT	40502	hsa-let-7b-5p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013325	22_+_46509571_46509594	TGAGGTAGTAGGTTGTGTGGTTTC	40503	hsa-let-7b-5p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013326	22_+_46509571_46509596	TGAGGTAGTAGGTTGTGTGGTTTC AG	40504	hsa-let-7b-5p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013327	22_+_46509619_46509638	AGATAACTATACAACCTACT	40505	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013328	22_+_46509619_46509639	AGATAACTATACAACCTACTG	40506	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013329	22_+_46509625_46509642	CTATACAACCTACTGCCT	40507	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013330	22_+_46509625_46509643	CTATACAACCTACTGCCTT	40508	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013331	22_+_46509625_46509644	CTATACAACCTACTGCCTTC	40509	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013332	22_+_46509625_46509645	CTATACAACCTACTGCCTTCC	40510	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013333	22_+_46509625_46509647	CTATACAACCTACTGCCTTCCCT	40511	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013334	22_+_46509625_46509648	CTATACAACCTACTGCCTTCCCTG	40512	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013335	22_+_46509625_46509649	CTATACAACCTACTGCCTTCCCTG A	40513	hsa-let-7b-3p;Derives_from=MI0000063
NovelMiR_KnownLoci_ID0013336	22_-_49937045_49937069	CCTTCCTCTCCATGGGTCTTTCAT C	40514	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013337	22_-_49937045_49937070	ACCTTCCTCTCCATGGGTCTTTCA TC	40515	hsa-miR-3667-3p;Derives_from=MI0016068

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013338	22_-_49937047_49937070	ACCTTCCTCTCCATGGGTCTTTCA	40516	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013339	22_-_49937048_49937069	CCTTCCTCTCCATGGGTCTTTC	40517	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013340	22_-_49937048_49937070	ACCTTCCTCTCCATGGGTCTTTC	40518	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013341	22_-_49937048_49937071	AACCTTCCTCTCCATGGGTCTTTC	40519	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013342	22_-_49937049_49937069	CCTTCCTCTCCATGGGTCTTT	40520	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013343	22_-_49937051_49937070	ACCTTCCTCTCCATGGGTCT	40521	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013344	22_-_49937052_49937070	ACCTTCCTCTCCATGGGTC	40522	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013345	22_-_49937052_49937071	AACCTTCCTCTCCATGGGTC	40523	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013346	22_-_49937053_49937070	ACCTTCCTCTCCATGGGT	40524	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013347	22_-_49937054_49937070	ACCTTCCTCTCCATGGG	40525	hsa-miR-3667-3p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013348	22_-_49937082_49937104	AGACCCATTGAGGAGAAGGTTCT	40526	hsa-miR-3667-5p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013349	22_-_49937083_49937104	AGACCCATTGAGGAGAAGGTTC	40527	hsa-miR-3667-5p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013350	22_-_49937083_49937105	AAGACCCATTGAGGAGAAGGTTC	40528	hsa-miR-3667-5p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013351	22_-_49937083_49937106	AAAGACCCATTGAGGAGAAGGTTC	40529	hsa-miR-3667-5p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013352	22_-_49937084_49937104	AGACCCATTGAGGAGAAGGTT	40530	hsa-miR-3667-5p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013353	22_-_49937084_49937105	AAGACCCATTGAGGAGAAGGTT	40531	hsa-miR-3667-5p;Derives_from=MI0016068

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013354	22_-_49937084_49937106	AAAGACCCATTGAGGAGAAGGTT	40532	hsa-miR-3667-5p;Derives_from=MI0016068
NovelMiR_KnownLoci_ID0013355	22_+_50356508_50356527	CTCCAGGTGCGTGGTGGCTC	40533	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013356	22_+_50356514_50356529	GTGCGTGGTGGCTCGA	40534	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013357	22_+_50356514_50356532	GTGCGTGGTGGCTCGAGGC	40535	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013358	22_+_50356514_50356533	GTGCGTGGTGGCTCGAGGCG	40536	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013359	22_+_50356514_50356534	GTGCGTGGTGGCTCGAGGCGG	40537	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013360	22_+_50356514_50356535	GTGCGTGGTGGCTCGAGGCGGG	40538	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013361	22_+_50356514_50356537	GTGCGTGGTGGCTCGAGGCGCGGC	40539	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013362	22_+_50356514_50356538	GTGCGTGGTGGCTCGAGGCGGGGG T	40540	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013363	22_+_50356514_50356539	GTGCGTGGTGGCTCGAGGCGGGGG TG	40541	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013364	22_+_50356514_50356541	GTGCGTGGTGGCTCGAGGCGGGGG TGGG	40542	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013365	22_+_50356515_50356533	TGCGTGGTGGCTCGAGGCG	40543	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013366	22_+_50356515_50356537	TGCGTGGTGGCTCGAGGCGGGGG	40544	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013367	22_+_50356515_50356538	TGCGTGGTGGCTCGAGGCGGGGGT	40545	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013368	22_+_50356522_50356542	TGGCTCGAGGCGGGGGTGGGG	40546	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013369	22_+_50356524_50356539	GCTCGAGGCGGGGGTG	40547	hsa-miR-6821-5p;Derives_from=MI0022666

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013370	22_+_50356525_50356542	CTCGAGGCGGGGGGTGGGG	40548	hsa-miR-6821-5p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013371	22_+_50356561_50356580	CCTCCCTGACCTCTCCGCTC	40549	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013372	22_+_50356561_50356581	CCTCCCTGACCTCTCCGCTCC	40550	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013373	22_+_50356561_50356582	CCTCCCTGACCTCTCCGCTCCG	40551	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013374	22_+_50356561_50356584	CCTCCCTGACCTCTCCGCTCCGCA	40552	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013375	22_+_50356561_50356585	CCTCCCTGACCTCTCCGCTCCGCA C	40553	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013376	22_+_50356561_50356586	CCTCCCTGACCTCTCCGCTCCGCA CA	40554	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013377	22_+_50356562_50356583	CTCCCTGACCTCTCCGCTCCGC	40555	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013378	22_+_50356562_50356589	CTCCCTGACCTCTCCGCTCCGCAC AGAG	40556	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013379	22_+_50356563_50356582	TCCCTGACCTCTCCGCTCCG	40557	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013380	22_+_50356563_50356585	TCCCTGACCTCTCCGCTCCGCAC	40558	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013381	22_+_50356563_50356586	TCCCTGACCTCTCCGCTCCGCACA	40559	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013382	22_+_50356564_50356584	CCCTGACCTCTCCGCTCCGCA	40560	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013383	22_+_50356565_50356583	CCTGACCTCTCCGCTCCGC	40561	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013384	22_+_50356565_50356589	CCTGACCTCTCCGCTCCGCACAGA G	40562	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013385	22_+_50356566_50356587	CTGACCTCTCCGCTCCGCACAG	40563	hsa-miR-6821-3p;Derives_from=MI0022666

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013386	22_+_50356566_50356588	CTGACCTCTCCGCTCCGCACAGA	40564	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013387	22_+_50356566_50356589	CTGACCTCTCCGCTCCGCACAGAG	40565	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013388	22_+_50356567_50356588	TGACCTCTCCGCTCCGCACAGA	40566	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013389	22_+_50356568_50356590	GACCTCTCCGCTCCGCACAGAGT	40567	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013390	22_+_50356569_50356587	ACCTCTCCGCTCCGCACAG	40568	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013391	22_+_50356571_50356588	CTCTCCGCTCCGCACAGA	40569	hsa-miR-6821-3p;Derives_from=MI0022666
NovelMiR_KnownLoci_ID0013392	2_-_25551516_25551543	TTGCAGCTGCCTGGGAGTGACTTC ACAC	40570	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013393	2_-_25551517_25551543	TTGCAGCTGCCTGGGAGTGACTTC ACA	40571	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013394	2_-_25551518_25551540	CAGCTGCCTGGGAGTGACTTCAC	40572	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013395	2_-_25551518_25551543	TTGCAGCTGCCTGGGAGTGACTTC AC	40573	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013396	2_-_25551519_25551540	CAGCTGCCTGGGAGTGACTTCA	40574	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013397	2_-_25551519_25551542	TGCAGCTGCCTGGGAGTGACTTCA	40575	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013398	2_-_25551519_25551543	TTGCAGCTGCCTGGGAGTGACTTC A	40576	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013399	2_-_25551520_25551540	CAGCTGCCTGGGAGTGACTTC	40577	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013400	2_-_25551520_25551542	TGCAGCTGCCTGGGAGTGACTTC	40578	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013401	2_-_25551521_25551543	TTGCAGCTGCCTGGGAGTGACTT	40579	hsa-miR-1301-3p;Derives_from=MI0003815

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013402	2_-_25551522_25551542	TGCAGCTGCCTGGGAGTGACT	40580	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013403	2_-_25551522_25551543	TTGCAGCTGCCTGGGAGTGACT	40581	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013404	2_-_25551523_25551543	TTGCAGCTGCCTGGGAGTGAC	40582	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013405	2_-_25551524_25551542	TGCAGCTGCCTGGGAGTGA	40583	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013406	2_-_25551524_25551543	TTGCAGCTGCCTGGGAGTGA	40584	hsa-miR-1301-3p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013407	2_-_25551557_25551579	GGTCGCTCTAGGCACCGCAGCAC	40585	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013408	2_-_25551557_25551580	GGGTCGCTCTAGGCACCGCAGCAC	40586	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013409	2_-_25551558_25551579	GGTCGCTCTAGGCACCGCAGCA	40587	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013410	2_-_25551558_25551580	GGGTCGCTCTAGGCACCGCAGCA	40588	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013411	2_-_25551559_25551579	GGTCGCTCTAGGCACCGCAGC	40589	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013412	2_-_25551559_25551580	GGGTCGCTCTAGGCACCGCAGC	40590	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013413	2_-_25551560_25551579	GGTCGCTCTAGGCACCGCAG	40591	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013414	2_-_25551560_25551580	GGGTCGCTCTAGGCACCGCAG	40592	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013415	2_-_25551561_25551580	GGGTCGCTCTAGGCACCGCA	40593	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013416	2_-_25551563_25551579	GGTCGCTCTAGGCACCG	40594	hsa-miR-1301-5p;Derives_from=MI0003815
NovelMiR_KnownLoci_ID0013417	2_-_25551563_25551580	GGGTCGCTCTAGGCACCG	40595	hsa-miR-1301-5p;Derives_from=MI0003815

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013418	2_+_28219283_28219303	TAAACAATTCTAAGTGCCTTG	40596	hsa-miR-4263;Derives_from=MI0015876
NovelMiR_KnownLoci_ID0013419	2_+_32860366_32860385	CTGAGTGATTGATAGCTATG	40597	hsa-miR-4765;Derives_from=MI0017406
NovelMiR_KnownLoci_ID0013420	2_+_32860366_32860387	CTGAGTGATTGATAGCTATGTT	40598	hsa-miR-4765;Derives_from=MI0017406
NovelMiR_KnownLoci_ID0013421	2_+_32860367_32860385	TGAGTGATTGATAGCTATG	40599	hsa-miR-4765;Derives_from=MI0017406
NovelMiR_KnownLoci_ID0013422	2_+_32860367_32860386	TGAGTGATTGATAGCTATGT	40600	hsa-miR-4765;Derives_from=MI0017406
NovelMiR_KnownLoci_ID0013423	2_+_32860367_32860387	TGAGTGATTGATAGCTATGTT	40601	hsa-miR-4765;Derives_from=MI0017406
NovelMiR_KnownLoci_ID0013424	2_+_32860367_32860389	TGAGTGATTGATAGCTATGTTCA	40602	hsa-miR-4765;Derives_from=MI0017406
NovelMiR_KnownLoci_ID0013425	2_+_47604825_47604845	ATCTTAAAGTAAATATGCACC	40603	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013426	2_+_47604825_47604846	ATCTTAAAGTAAATATGCACCA	40604	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013427	2_+_47604825_47604847	ATCTTAAAGTAAATATGCACCAA	40605	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013428	2_+_47604826_47604848	TCTTAAAGTAAATATGCACCAAA	40606	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013429	2_+_47604828_47604848	TTAAAGTAAATATGCACCAAA	40607	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013430	2_+_47604829_47604850	TAAAGTAAATATGCACCAAAAT	40608	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013431	2_+_47604829_47604851	TAAAGTAAATATGCACCAAAATT	40609	hsa-miR-559;Derives_from=MI0003565
NovelMiR_KnownLoci_ID0013432	2_+_49286740_49286761	GCAAAGGTAACTGTGATTTTTG	40610	hsa-miR-548ba;Derives_from=MI0025747

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013433	2_+_49286741_49286761	CAAAGGTAACTGTGATTTTTG	40611	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013434	2_+_49286741_49286762	CAAAGGTAACTGTGATTTTTGC	40612	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013435	2_+_49286741_49286763	CAAAGGTAACTGTGATTTTTGCT	40613	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013436	2_+_49286742_49286760	AAAGGTAACTGTGATTTTT	40614	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013437	2_+_49286742_49286761	AAAGGTAACTGTGATTTTTG	40615	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013438	2_+_49286742_49286762	AAAGGTAACTGTGATTTTTGC	40616	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013439	2_+_49286742_49286764	AAAGGTAACTGTGATTTTTGCTA	40617	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013440	2_+_49286742_49286765	AAAGGTAACTGTGATTTTTGCTAT	40618	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013441	2_+_49286742_49286766	AAAGGTAACTGTGATTTTTGCTATT	40619	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013442	2_+_49286743_49286766	AAGGTAACTGTGATTTTTGCTATT	40620	hsa-miR-548ba;Derives_from=MI0025747
NovelMiR_KnownLoci_ID0013443	2_-_52929721_52929747	GCGACTCTGAAAACTAGAAGGTTTATG	40621	hsa-miR-4431;Derives_from=MI0016771

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013444	2_-_52929725_52929746	CGACTCTGAAAACTAGAAGGTT	40622	hsa-miR-4431;Derives_from=MI0016771
NovelMiR_KnownLoci_ID0013445	2_-_52929725_52929747	GCGACTCTGAAAACTAGAAGGTT	40623	hsa-miR-4431;Derives_from=MI0016771
NovelMiR_KnownLoci_ID0013446	2_-_52929726_52929746	CGACTCTGAAAACTAGAAGGT	40624	hsa-miR-4431;Derives_from=MI0016771
NovelMiR_KnownLoci_ID0013447	2_-_52929727_52929748	TGCGACTCTGAAAACTAGAAGG	40625	hsa-miR-4431;Derives_from=MI0016771
NovelMiR_KnownLoci_ID0013448	2_-_54076268_54076293	TGATGATACAGGTGGAGGTAGAAA TA	40626	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013449	2_-_54076270_54076293	TGATGATACAGGTGGAGGTAGAAA	40627	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013450	2_-_54076271_54076292	GATGATACAGGTGGAGGTAGAA	40628	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013451	2_-_54076272_54076292	GATGATACAGGTGGAGGTAGA	40629	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013452	2_-_54076272_54076293	TGATGATACAGGTGGAGGTAGA	40630	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013453	2_-_54076272_54076294	ATGATCATACACGTGGACGTAGA	40631	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013454	2_-_54076273_54076292	GATGATACAGGTGGAGGTAG	40632	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013455	2_-_54076273_54076294	ATGATGATACAGGTGGAGGTAG	40633	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013456	2_-_54076274_54076293	TGATGATACAGGTGGAGGTA	40634	hsa-miR-3682-3p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013457	2_-_54076306_54076328	CTACTTCTACCTGTGTTATCATA	40635	hsa-miR-3682-5p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013458	2_-_54076308_54076328	CTACTTCTACCTGTGTTATCA	40636	hsa-miR-3682-5p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013459	2_-_54076309_54076328	CTACTTCTACCTGTGTTATC	40637	hsa-miR-3682-5p;Derives_from=MI0016083

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013460	2_-_54076309_54076330	GTCTACTTCTACCTGTGTTATC	40638	hsa-miR-3682-5p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013461	2_-_54076309_54076331	TGTCTACTTCTACCTGTGTTATC	40639	hsa-miR-3682-5p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013462	2_-_54076311_54076328	CTACTTCTACCTGTGTTA	40640	hsa-miR-3682-5p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013463	2_-_54076311_54076330	GTCTACTTCTACCTGTGTTA	40641	hsa-miR-3682-5p;Derives_from=MI0016083
NovelMiR_KnownLoci_ID0013464	2_-_56210150_56210177	TACTGCATCAGGAACTGATTGGATAAGA	40642	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013465	2_-_56210151_56210177	TACTGCATCAGGAACTGATTGGATAAG	40643	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013466	2_-_56210153_56210175	CTGCATCAGGAACTGATTGGATA	40644	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013467	2_-_56210153_56210177	TACTGCATCAGGAACTGATTGGATA	40645	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013468	2_-_56210153_56210178	ATACTGCATCAGGAACTGATTGGATA	40646	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013469	2_-_56210154_56210176	ACTGCATCAGGAACTGATTGGAT	40647	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013470	2_-_56210154_56210177	TACTGCATCAGGAACTGATTGGAT	40648	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013471	2_-_56210156_56210177	TACTGCATCAGGAACTGATTGG	40649	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013472	2_-_56210156_56210178	ATACTGCATCAGGAACTGATTGG	40650	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013473	2_-_56210157_56210178	ATACTGCATCAGGAACTGATTG	40651	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013474	2_-_56210158_56210178	ATACTGCATCAGGAACTGATT	40652	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013475	2_-_56210159_56210177	TACTGCATCAGGAACTGAT	40653	hsa-miR-217;Derives_from=MI0000293

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013476	2_-_56210162_56210178	ATACTGCATCAGGAACT	40654	hsa-miR-217;Derives_from=MI0000293
NovelMiR_KnownLoci_ID0013477	2_-_56216114_56216136	CACAGTGGTCTCTGGGATTATGC	40655	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013478	2_-_56216115_56216135	ACAGTGGTCTCTGGGATTATG	40656	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013479	2_-_56216115_56216136	CACAGTGGTCTCTGGGATTATG	40657	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013480	2_-_56216116_56216136	CACAGTGGTCTCTGGGATTAT	40658	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013481	2_-_56216117_56216136	CACAGTGGTCTCTGGGATTA	40659	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013482	2_-_56216118_56216135	ACAGTGGTCTCTGGGATT	40660	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013483	2_-_56216118_56216136	CACAGTGGTCTCTGGGATT	40661	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013484	2_-_56216118_56216137	TCACAGTGGTCTCTGGGATT	40662	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013485	2_-_56216119_56216136	CACAGTGGTCTCTGGGAT	40663	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013486	2_-_56216119_56216137	TCACAGTGGTCTCTGGGAT	40664	hsa-miR-216a-3p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013487	2_-_56216149_56216164	GCAACTGTGAGATGTT	40665	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013488	2_-_56216150_56216170	CAGCTGGCAACTGTGAGATGT	40666	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013489	2_-_56216151_56216176	TAATCTCAGCTGGCAACTGTGAGATG	40667	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013490	2_-_56216152_56216176	TAATCTCAGCTGGCAACTGTGAGAT	40668	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013491	2_-_56216153_56216176	TAATCTCAGCTGGCAACTGTGAGA	40669	hsa-miR-216a-5p;Derives_from=MI0000292

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013492	2_-_56216154_56216176	TAATCTCAGCTGGCAACTGTGAG	40670	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013493	2_-_56216155_56216175	AATCTCAGCTGGCAACTGTGA	40671	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013494	2_-_56216156_56216176	TAATCTCAGCTGGCAACTGTG	40672	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013495	2_-_56216158_56216175	AATCTCAGCTGGCAACTG	40673	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013496	2_-_56216158_56216176	TAATCTCAGCTGGCAACTG	40674	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013497	2_-_56216160_56216176	TAATCTCAGCTGGCAAC	40675	hsa-miR-216a-5p;Derives_from=MI0000292
NovelMiR_KnownLoci_ID0013498	2_-_56227859_56227880	ACACTTACCCGTAGAGATTCTA	40676	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013499	2_-_56227860_56227879	CACTTACCCGTAGAGATTCT	40677	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013500	2_-_56227860_56227881	CACACTTACCCGTAGAGATTCT	40678	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013501	2_-_56227861_56227882	ACACACTTACCCGTAGAGATTC	40679	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013502	2_-_56227862_56227881	CACACTTACCCGTAGAGATT	40680	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013503	2_-_56227862_56227882	ACACACTTACCCGTAGAGATT	40681	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013504	2_-_56227863_56227882	ACACACTTACCCGTAGAGAT	40682	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013505	2_-_56227864_56227882	ACACACTTACCCGTAGAGA	40683	hsa-miR-216b-3p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013506	2_-_56227895_56227920	AAATCTCTGCAGGCAAATGTGATGTC	40684	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013507	2_-_56227897_56227920	AAATCTCTGCAGGCAAATGTGATG	40685	hsa-miR-216b-5p;Derives_from=MI0005569

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013508	2_-_56227897_56227921	AAAATCTCTGCAGGCAAATGTGATG	40686	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013509	2_-_56227898_56227921	AAAATCTCTGCAGGCAAATGTGAT	40687	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013510	2_-_56227899_56227921	AAAATCTCTGCAGGCAAATGTGA	40688	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013511	2_-_56227900_56227920	AAATCTCTGCAGGCAAATGTG	40689	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013512	2_-_56227901_56227920	AAATCTCTGCAGGCAAATGT	40690	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013513	2_-_56227903_56227920	AAATCTCTGCAGGCAAAT	40691	hsa-miR-216b-5p;Derives_from=MI0005569
NovelMiR_KnownLoci_ID0013514	2_-_60614495_60614516	AAAGACTCTGCAAGATGCCTTG	40692	hsa-miR-4432;Derives_from=MI0016772
NovelMiR_KnownLoci_ID0013515	2_-_60614496_60614516	AAAGACTCTGCAAGATGCCTT	40693	hsa-miR-4432;Derives_from=MI0016772
NovelMiR_KnownLoci_ID0013516	2_-_60614498_60614516	AAAGACTCTGCAAGATGCC	40694	hsa-miR-4432;Derives_from=MI0016772
NovelMiR_KnownLoci_ID0013517	2_+_6114793_6114813	AGGCTCAATCTCTGGTCCTGC	40695	hsa-miR-7158-5p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013518	2_+_6114793_6114814	AGGCTCAATCTCTGGTCCTGCA	40696	hsa-miR-7158-5p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013519	2_+_6114793_6114815	AGGCTCAATCTCTGGTCCTGCAG	40697	hsa-miR-7158-5p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013520	2_+_6114797_6114818	TCAATCTCTGGTCCTGCAGCCT	40698	hsa-miR-7158-5p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013521	2_+_6114840_6114856	CGAGCTGAACTAGAGAT	40699	hsa-miR-7158-3p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013522	2_+_6114844_6114863	CTGAACTAGAGATTGGGCCC	40700	hsa-miR-7158-3p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013523	2_+_6114844_6114865	CTGAACTAGAGATTGGGCCCAG	40701	hsa-miR-7158-3p;Derives_from=MI0023618

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013524	2_+_6114844_6114866	CTGAACTAGACATTGGGCCCAGC	40702	hsa-miR-7158-3p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013525	2_+_6114844_6114868	CTGAACTAGAGATTGGGCCCAGCTC	40703	hsa-miR-7158-3p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013526	2_+_6114845_6114866	TGAACTAGAGATTGGGCCCAGC	40704	hsa-miR-7158-3p;Derives_from=MI0023618
NovelMiR_KnownLoci_ID0013527	2_+_62433015_62433042	CCAGGAGAGTGGATTCCAGGTGGTGAGG	40705	hsa-miR-5192;Derives_from=MI0018171
NovelMiR_KnownLoci_ID0013528	2_+_62433017_62433036	AGGAGAGTGGATTCCAGGTG	40706	hsa-miR-5192;Derives_from=MI0018171
NovelMiR_KnownLoci_ID0013529	2_+_62433017_62433037	AGGAGAGTGGATTCCAGGTGG	40707	hsa-miR-5192;Derives_from=MI0018171
NovelMiR_KnownLoci_ID0013530	2_+_62433026_62433044	GATTCCAGGTGGTGAGGGC	40708	hsa-miR-5192;Derives_from=MI0018171
NovelMiR_KnownLoci_ID0013531	2_-_64567900_64567921	GGAGTGGGGGGTGGGACGTAAG	40709	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013532	2_-_64567900_64567923	CAGGAGTGGGGGGTGGGACGTAAG	40710	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013533	2_-_64567901_64567923	CAGGAGTGGGGGGTGGGACGTAA	40711	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013534	2_-_64567901_64567924	ACAGGAGTGGGGGGTGGGACGTAA	40712	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013535	2_-_64567902_64567922	AGGAGTGGGGGGTGGGACGTA	40713	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013536	2_-_64567902_64567923	CAGGAGTGGGGGGTGGGACGTA	40714	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013537	2_-_64567902_64567924	ACAGGAGTGGGGGGTGGGACGTA	40715	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013538	2_+_64567902_64567924	TACGTCCCACCCCCCACTCCTGT	40716	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013539	2_-_64567903_64567924	ACAGGAGTGGGGGGTGGGACGT	40717	hsa-miR-4433b-3p;Derives_from=MI0025511

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013540	2_+_64567903_64567924	ACGTCCCACCCCCCACTCCTGT	40718	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013541	2_+_64567903_64567926	ACGTCCCACCCCCCACTCCTGTTT	40719	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013542	2_-_64567904_64567923	CAGGAGTGGGGGGTGGGACG	40720	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013543	2_+_64567904_64567923	CGTCCCACCCCCCACTCCTG	40721	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013544	2_+_64567904_64567925	CGTCCCACCCCCCACTCCTGTT	40722	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013545	2_+_64567904_64567926	CGTCCCACCCCCCACTCCTGTTT	40723	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013546	2_+_64567904_64567927	CGTCCCACCCCCCACTCCTGTTTC	40724	hsa-miR-4433-5p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013547	2_-_64567906_64567923	CAGGAGTGGGGGGTGGGA	40725	hsa-miR-4433b-3p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013548	2_-_64567939_64567963	ATGTCCCACCCCCACTCCTGTTTGA	40726	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013549	2_-_64567940_64567963	ATGTCCCACCCCCACTCCTGTTTG	40727	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013550	2_-_64567941_64567962	TGTCCCACCCCCACTCCTGTTT	40728	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013551	2_-_64567941_64567963	ATGTCCCACCCCCACTCCTGTTT	40729	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013552	2_-_64567942_64567962	TGTCCCACCCCCACTCCTGTT	40730	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013553	2_-_64567942_64567963	ATGTCCCACCCCCACTCCTGTT	40731	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013554	2_+_64567943_64567961	ACAGGAGTGGGGGTGGGAC	40732	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013555	2_-_64567943_64567962	TGTCCCACCCCCACTCCTGT	40733	hsa-miR-4433b-5p;Derives_from=MI0025511

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013556	2_+_64567943_64567962	ACAGGAGTGGGGGTGGGACA	40734	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013557	2_-_64567943_64567964	TATGTCCCACCCCCACTCCTGT	40735	hsa-miR-4433b-5p;Derives_from=MI0025511
NovelMiR_KnownLoci_ID0013558	2_+_64567943_64567964	ACAGGAGTGGGGGTGGGACATA	40736	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013559	2_+_64567943_64567967	ACAGGAGTGGGGGTGGGACATAAG G	40737	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013560	2_+_64567944_64567963	CAGGAGTGGGGGTGGGACAT	40738	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013561	2_+_64567944_64567964	CAGGAGTGGGGGTGGGACATA	40739	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013562	2_+_64567944_64567965	CAGGAGTGGGGGTGGGACATAA	40740	hsa-miR-4433-3p;Derives_from=MI0016773
NovelMiR_KnownLoci_ID0013563	2_+_64752649_64752673	ACTTTAGGAGAAGTAAAGTAGAAC T	40741	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013564	2_+_64752652_64752671	TTAGGAGAAGTAAAGTAGAA	40742	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013565	2_+_64752653_64752671	TAGGAGAAGTAAAGTAGAA	40743	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013566	2_+_64752654_64752672	AGGAGAAGTAAAGTAGAAC	40744	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013567	2_+_64752654_64752673	AGGAGAAGTAAAGTAGAACT	40745	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013568	2_+_64752654_64752674	AGGAGAAGTAAAGTAGAACTT	40746	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013569	2_+_64752656_64752677	GAGAAGTAAAGTAGAACTTTGG	40747	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013570	2_+_64752657_64752674	AGAAGTAAAGTAGAACTT	40748	hsa-miR-4434;Derives_from=MI0016774
NovelMiR_KnownLoci_ID0013571	2_-_66585386_66585407	TCTTCCTTTGCAGAGTTGAATA	40749	hsa-miR-4778-3p;Derives_from=MI0017422

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013572	2_-_66585386_66585408	TTCTTCCTTTGCAGAGTTGAATA	40750	hsa-miR-4778-3p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013573	2_-_66585386_66585410	TCTTCTTCCTTTGCAGAGTTGAATA	40751	hsa-miR-4778-3p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013574	2_-_66585428_66585450	AATTCTGTAAAGGAAGAAGAGGT	40752	hsa-miR-4778-5p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013575	2_-_66585430_66585452	CCAATTCTGTAAAGGAAGAAGAG	40753	hsa-miR-4778-5p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013576	2_-_66585431_66585452	CCAATTCTGTAAAGGAAGAAGA	40754	hsa-miR-4778-5p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013577	2_-_66585432_66585452	CCAATTCTGTAAAGGAAGAAG	40755	hsa-miR-4778-5p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013578	2_-_66585439_66585456	ATGTCCAATTCTGTAAAG	40756	hsa-miR-4778-5p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013579	2_-_66585440_66585456	ATGTCCAATTCTGTAAA	40757	hsa-miR-4778-5p;Derives_from=MI0017422
NovelMiR_KnownLoci_ID0013580	2_+_69330823_69330839	TGAGGGACAGATGCCAG	40758	hsa-miR-3126-5p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013581	2_+_69330823_69330840	TGAGGGACAGATGCCAGA	40759	hsa-miR-3126-5p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013582	2_+_69330823_69330842	TGAGGGACAGATGCCAGAAG	40760	hsa-miR-3126-5p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013583	2_+_69330823_69330843	TGAGGGACAGATGCCAGAAGC	40761	hsa-miR-3126-5p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013584	2_+_69330823_69330845	TGAGGGACAGATGCCAGAAGCAC	40762	hsa-miR-3126-5p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013585	2_+_69330823_69330846	TGAGGGACAGATGCCAGAAGCACT	40763	hsa-miR-3126-5p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013586	2_+_69330854_69330878	ATTTGCATCTGGCATCCGTCACACA	40764	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013587	2_+_69330859_69330874	CATCTGGCATCCGTCA	40765	hsa-miR-3126-3p;Derives_from=MI0014143

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013588	2_+_69330859_69330876	CATCTGGCATCCGTCACA	40766	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013589	2_+_69330859_69330877	CATCTGGCATCCGTCACAC	40767	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013590	2_+_69330859_69330878	CATCTGGCATCCGTCACACA	40768	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013591	2_+_69330859_69330879	CATCTGGCATCCGTCACACAG	40769	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013592	2_+_69330859_69330881	CATCTGGCATCCGTCACACAGAT	40770	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013593	2_+_69330859_69330882	CATCTGGCATCCGTCACACAGATA	40771	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013594	2_+_69330859_69330883	CATCTGGCATCCGTCACACAGATA A	40772	hsa-miR-3126-3p;Derives_from=MI0014143
NovelMiR_KnownLoci_ID0013595	2_-_70480059_70480086	TCTGGGCAACAAAGTGAGACCTCC GTCT	40773	hsa-miR-1285-3p;Derives_from=MI0006347
NovelMiR_KnownLoci_ID0013596	2_-_70480060_70480086	TCTGGGCAACAAAGTGAGACCTCC GTC	40774	hsa-miR-1285-3p;Derives_from=MI0006347
NovelMiR_KnownLoci_ID0013597	2_-_70480061_70480086	TCTGGGCAACAAAGTGAGACCTCC GT	40775	hsa-miR-1285-3p;Derives_from=MI0006347
NovelMiR_KnownLoci_ID0013598	2_-_70480062_70480086	TCTGGGCAACAAAGTGAGACCTCC G	40776	hsa-miR-1285-3p;Derives_from=MI0006347
NovelMiR_KnownLoci_ID0013599	2_+_75317960_75317983	CCCAGTTCAGAAGTGTTCCTGAGT	40777	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013600	2_+_75317961_75317981	CCAGTTCAGAAGTGTTCCTGA	40778	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013601	2_+_75317961_75317982	CCAGTTCAGAAGTGTTCCTGAG	40779	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013602	2_+_75317961_75317983	CCAGTTCAGAAGTGTTCCTGAGT	40780	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013603	2_+_75317961_75317986	CCAGTTCAGAAGTGTTCCTGAGTA AC	40781	hsa-miR-5000-5p;Derives_from=MI0017866

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013604	2_+_75317962_75317980	CAGTTCAGAAGTGTTCCTG	40782	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013605	2_+_75317962_75317982	CAGTTCAGAAGTGTTCCTGAG	40783	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013606	2_+_75317962_75317984	CAGTTCAGAAGTGTTCCTGAGTA	40784	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013607	2_+_75317962_75317985	CAGTTCAGAAGTGTTCCTGAGTAA	40785	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013608	2_+_75317962_75317986	CAGTTCAGAAGTGTTCCTGAGTAAC	40786	hsa-miR-5000-5p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013609	2_+_75317999_75318020	CTCAGGACACTTCTGAACTTGG	40787	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013610	2_+_75317999_75318023	CTCAGGACACTTCTGAACTTGGAC	40788	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013611	2_+_75318000_75318019	TCAGGACACTTCTGAACTTG	40789	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013612	2_+_75318000_75318020	TCAGGACACTTCTGAACTTGG	40790	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013613	2_+_75318000_75318022	TCAGGACACTTCTGAACTTGGAC	40791	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013614	2_+_75318000_75318023	TCAGGACACTTCTGAACTTGGACC	40792	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013615	2_+_75318001_75318021	CAGGACACTTCTGAACTTGGA	40793	hsa-miR-5000-3p;Derives_from=MI0017866
NovelMiR_KnownLoci_ID0013616	2_-_79876461_79876481	CTGGATACTCAGTCATGGTCA	40794	hsa-miR-4264;Derives_from=MI0015877
NovelMiR_KnownLoci_ID0013617	2_-_79876462_79876481	CTGGATACTCAGTCATGGTC	40795	hsa-miR-4264;Derives_from=MI0015877
NovelMiR_KnownLoci_ID0013618	2_-_79876463_79876481	CTGGATACTCAGTCATGGT	40796	hsa-miR-4264;Derives_from=MI0015877
NovelMiR_KnownLoci_ID0013619	2_-_79876464_79876481	CTGGATACTCAGTCATGG	40797	hsa-miR-4264;Derives_from=MI0015877

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013620	2_-_86010774_86010792	TGCCGGCCAAGGCTCTGGG	40798	hsa-miR-6071;Derives_from=MI0020348
NovelMiR_KnownLoci_ID0013621	2_-_86420157_86420181	TAGGAGGGAATAGTAAAAGCAGTA	40799	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013622	2_-_86420158_86420178	GAGGGAATAGTAAAAGCAGTA	40800	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013623	2_-_86420158_86420180	AGGAGGGAATAGTAAAAGCAGTA	40801	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013624	2_-_86420159_86420180	AGGAGGGAATAGTAAAAGCAGT	40802	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013625	2_-_86420159_86420181	TAGGAGGGAATAGTAAAAGCAGT	40803	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013626	2_-_86420161_86420181	TAGGAGGGAATAGTAAAAGCA	40804	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013627	2_-_86420162_86420181	TAGGAGGGAATAGTAAAAGC	40805	hsa-miR-4779;Derives_from=MI0017423
NovelMiR_KnownLoci_ID0013628	2_+_87929292_87929310	GCTCACACAGAGGGATGAG	40806	hsa-miR-4435;Derives_from=MI0016775
NovelMiR_KnownLoci_ID0013629	2_-_88382044_88382067	CCCTTGAGCCTGATCCCTAGCACT	40807	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013630	2_-_88382046_88382067	CCCTTGAGCCTGATCCCTAGCA	40808	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013631	2_-_88382046_88382068	ACCCTTGAGCCTGATCCCTAGCA	40809	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013632	2_-_88382047_88382067	CCCTTGAGCCTGATCCCTAGC	40810	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013633	2_-_88382048_88382068	ACCCTTGAGCCTGATCCCTAG	40811	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013634	2_-_88382049_88382068	ACCCTTGAGCCTGATCCCTA	40812	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013635	2_-_88382050_88382068	ACCCTTGAGCCTGATCCCT	40813	hsa-miR-4780;Derives_from=MI0017424

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013636	2_-_88382050_88382072	CCTGACCCTTGAGCCTGATCCCT	40814	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013637	2_-_88382053_88382072	CCTGACCCTTGAGCCTGATC	40815	hsa-miR-4780;Derives_from=MI0017424
NovelMiR_KnownLoci_ID0013638	2_+_89111934_89111954	TTTGGGCAGGACAGGCAGAAG	40816	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013639	2_+_89111934_89111955	TTTGGGCAGGACAGGCAGAAGT	40817	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013640	2_+_89111935_89111952	TTGGGCAGGACAGGCAGA	40818	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013641	2_+_89111935_89111954	TTGGGCAGGACAGGCAGAAG	40819	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013642	2_+_89111935_89111955	TTGGGCAGGACAGGCAGAAGT	40820	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013643	2_+_89111935_89111957	TTGGGCAGGACAGGCAGAAGTGG	40821	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013644	2_+_89111936_89111954	TGGGCAGGACAGGCAGAAG	40822	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013645	2_+_89111939_89111958	GCAGGACAGGCAGAAGTGGA	40823	hsa-miR-4436a;Derives_from=MI0016776
NovelMiR_KnownLoci_ID0013646	2_+_97464024_97464045	CATCAGGGCTTGTGGAATGGGA	40824	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013647	2_+_97464024_97464046	CATCAGGGCTTGTGGAATGGGAA	40825	hsa-miR-3127-5p;Derives_from=MI0014144

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013648	2_+_97464024_97464047	CATCAGGGCTTGTGGAATGGGAAC	40826	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013649	2_+_97464025_97464043	ATCAGGGCTTGTGGAATGG	40827	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013650	2_+_97464025_97464044	ATCAGGGCTTGTGGAATGGG	40828	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013651	2_+_97464025_97464045	ATCAGGGCTTGTGGAATGGGA	40829	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013652	2_+_97464025_97464046	ATCAGGGCTTGTGGAATGGGAA	40830	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013653	2_+_97464025_97464048	ATCAGGGCTTGTGGAATGGGAAGG	40831	hsa-miR-3127-5p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013654	2_+_97464060_97464079	TTCCCCTTCTGCAGGCCTGC	40832	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013655	2_+_97464060_97464082	TTCCCCTTCTGCAGGCCTGCTGG	40833	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013656	2_+_97464061_97464079	TCCCCTTCTGCAGGCCTGC	40834	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013657	2_+_97464061_97464080	TCCCCTTCTGCAGGCCTGCT	40835	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013658	2_+_97464061_97464081	TCCCCTTCTGCAGGCCTGCTG	40836	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013659	2_+_97464061_97464083	TCCCCTTCTGCAGGCCTGCTGGG	40837	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013660	2_+_97464061_97464084	TCCCCTTCTGCAGGCCTGCTGGGT	40838	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013661	2_+_97464061_97464085	TCCCCTTCTGCAGGCCTGCTGGGTG	40839	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013662	2_+_97464061_97464086	TCCCCTTCTGCAGGCCTGCTGGGTGT	40840	hsa-miR-3127-3p;Derives_from=MI0014144
NovelMiR_KnownLoci_ID0013663	2_+_97464073_97464088	GGCCTGCTGGGTGTGG	40841	hsa-miR-3127-3p;Derives_from=MI0014144

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013664	3_-_103242927_103242950	AAAAGTAATTGTGGATTTTGCTAT	40842	hsa-miR-548ab;Derives_from=MI0016752
NovelMiR_KnownLoci_ID0013665	3_-_103242928_103242950	AAAAGTAATTGTGGATTTTTGCTA	40843	hsa-miR-548ab;Derives_from=MI0016752
NovelMiR_KnownLoci_ID0013666	3_+_10371944_10371963	GCACTGGACTTTGGAGGCAGA	40844	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013667	3_+_10371945_10371967	CACTGGACTTGGAGGCAGAAAGA	40845	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013668	3_+_10371946_10371965	ACTGGACTTGGAGGCAGAAA	40846	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013669	3_+_10371946_10371966	ACTGGACTTGGAGGCAGAAAG	40847	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013670	3_+_10371946_10371967	ACTGGACTTGGAGGCAGAAAGA	40848	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013671	3_+_10371946_10371968	ACTGGACTTGGAGGCAGAAAGAC	40849	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013672	3_+_10371946_10371969	ACTGGACTTGGAGGCAGAAAGACC	40850	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013673	3_+_10371946_10371970	ACTGGACTTGGAGGCAGAAAGACC	40851	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013674	3_+_10371955_10371970	GGAGGCAGAAAGACCC	40852	hsa-miR-378b;Derives_from=MI0014154
NovelMiR_KnownLoci_ID0013675	3_-_10436181_10436204	AGGCAGCGGGGTGTAGTGGATAGA	40853	hsa-miR-885-3p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013676	3_-_10436182_10436204	AGGCAGCGGGGTGTAGTGGATAG	40854	hsa-miR-885-3p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013677	3_-_10436184_10436204	AGGCAGCGGGGTGTAGTGGAT	40855	hsa-miR-885-3p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013678	3_-_10436185_10436204	AGGCAGCGGGGTGTAGTGGA	40856	hsa-miR-885-3p;Derives_from=MI0005560

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013679	3_-_10436186_10436204	AGGCAGCGGGGTGTAGTGG	40857	hsa-miR-885-3p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013680	3_-_10436187_10436204	AGGCAGCGGGGTGTAGTG	40858	hsa-miR-885-3p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013681	3_-_10436210_10436236	TCCATTACACTACCCTGCCTCTTC TCC	40859	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013682	3_-_10436211_10436234	CATTACACTACCCTGCCTCTTCTC	40860	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013683	3_-_10436211_10436236	TCCATTACACTACCCTGCCTCTTC TC	40861	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013684	3_-_10436211_10436237	CTCCATTACACTACCCTGCCTCTT CTC	40862	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013685	3_-_10436213_10436236	TCCATTACACTACCCTGCCTCTTC	40863	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013686	3_-_10436214_10436237	CTCCATTACACTACCCTGCCTCTT	40864	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013687	3_-_10436215_10436237	CTCCATTACACTACCCTGCCTCT	40865	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013688	3_-_10436216_10436237	CTCCATTACACTACCCTGCCTC	40866	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013689	3_-_10436217_10436237	CTCCATTACACTACCCTGCCT	40867	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013690	3_-_10436217_10436238	TCTCCATTACACTACCCTGCCT	40868	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013691	3_-_10436219_10436238	TCTCCATTACACTACCCTGC	40869	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013692	3_-_10436220_10436237	CTCCATTACACTACCCTG	40870	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013693	3_-_10436222_10436238	TCTCCATTACACTACCC	40871	hsa-miR-885-5p;Derives_from=MI0005560
NovelMiR_KnownLoci_ID0013694	3_+_109321682_109321701	AGATTGTTTCTTTTTGCCGTG	40872	hsa-miR-4445-5p;Derives_from=MI0016788

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013695	3_+_109321682_109321702	AGATTGTTTCTTTTGCCGTGC	40873	hsa-miR-4445-5p;Derives_from=MI0016788
NovelMiR_KnownLoci_ID0013696	3_+_109321718_109321739	CACGGCAAAAGAAACAATCCAG	40874	hsa-miR-4445-3p;Derives_from=MI0016788
NovelMiR_KnownLoci_ID0013697	3_+_111831663_111831683	AGTATGTTCTTCCAGGACAGA	40875	hsa-miR-567;Derives_from=MI0003573
NovelMiR_KnownLoci_ID0013698	3_+_113313724_113313747	TGGTCCATTTCCCTGCCATTCCCT	40876	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013699	3_+_113313728_113313748	CCATTTCCCTGCCATTCCCTT	40877	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013700	3_+_113313728_113313749	CCATTTCCCTGCCATTCCCTTG	40878	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013701	3_+_113313728_113313750	CCATTTCCCTGCCATTCCCTTGG	40879	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013702	3_+_113313728_113313751	CCATTTCCCTGCCATTCCCTTGGC	40880	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013703	3_+_113313729_113313749	CATTTCCCTGCCATTCCCTTG	40881	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013704	3_+_113313729_113313750	CATTTCCCTGCCATTCCCTTGG	40882	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013705	3_+_113313729_113313751	CATTTCCCTGCCATTCCCTTGGC	40883	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013706	3_+_113313729_113313752	CATTTCCCTGCCATTCCCTTGGCT	40884	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013707	3_+_113313729_113313753	CATTTCCCTGCCATTCCCTTGGCT	40885	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013708	3_+_113313730_113313750	ATTTCCCTGCCATTCCCTTGG	40886	hsa-miR-4446-5p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013709	3_+_113313764_113313787	CCAGGGCTGGCAGTGACATGGGTC	40887	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013710	3_+_113313765_113313783	CAGGGCTGGCAGTGACATG	40888	hsa-miR-4446-3p;Derives_from=MI0016789

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013711	3_+_113313765_113313784	CAGGGCTGGCAGTGACATGG	40889	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013712	3_+_113313765_113313785	CAGGGCTGGCAGTGACATGGG	40890	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013713	3_+_113313765_113313787	CAGGGCTGGCAGTGACATGGGTC	40891	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013714	3_+_113313765_113313788	CAGGGCTGGCAGTGACATGGGTCA	40892	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013715	3_+_113313765_113313789	CAGGGCTGGCAGTGACATGGGTCA A	40893	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013716	3_+_113313766_113313786	AGGGCTGGCAGTGACATGGGT	40894	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013717	3_+_113313766_113313787	AGGGCTGGCAGTGACATGGGTC	40895	hsa-miR-4446-3p;Derives_from=MI0016789
NovelMiR_KnownLoci_ID0013718	3_-_114462297_114462317	AGTGGCAGAGTATAGACACAA	40896	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013719	3_-_114462297_114462319	AAAGTGGCAGAGTATAGACACAA	40897	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013720	3_-_114462298_114462319	AAAGTGGCAGAGTATAGACACA	40898	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013721	3_-_114462298_114462320	TAAAGTGGCAGAGTATAGACACA	40899	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013722	3_-_114462300_114462319	AAAGTGGCAGAGTATAGACA	40900	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013723	3_-_114462300_114462320	TAAAGTGGCAGAGTATAGACA	40901	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013724	3_-_114462301_114462320	TAAAGTGGCAGAGTATAGAC	40902	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013725	3_-_114462302_114462320	TAAAGTGGCAGAGTATAGA	40903	hsa-miR-4796-3p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013726	3_-_114462342_114462362	TCTATACTCTGTCACTTTACT	40904	hsa-miR-4796-5p;Derives_from=MI0017443

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013727	3_-_114462342_114462363	GTCTATACTCTGTCACTTTACT	40905	hsa-miR-4796-5p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013728	3_-_114462342_114462364	TGTCTATACTCTGTCACTTTACT	40906	hsa-miR-4796-5p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013729	3_-_114462344_114462364	TGTCTATACTCTGTCACTTTA	40907	hsa-miR-4796-5p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013730	3_-_114462345_114462364	TGTCTATACTCTGTCACTTT	40908	hsa-miR-4796-5p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013731	3_-_114462346_114462364	TGTCTATACTCTGTCACTT	40909	hsa-miR-4796-5p;Derives_from=MI0017443
NovelMiR_KnownLoci_ID0013732	3_-_116569135_116569155	TGTGGTGGGGGCTGTTGTTTG	40910	hsa-miR-4447;Derives_from=MI0016790
NovelMiR_KnownLoci_ID0013733	3_-_120114545_120114567	CAGAGGGGAGATAGGTTCCTGTG	40911	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013734	3_-_120114546_120114572	TGGTCCAGAGGGGAGATAGGTTCC TGT	40912	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013735	3_-_120114547_120114573	TTGGTCCAGAGGGGAGATAGGTTC CTG	40913	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013736	3_-_120114547_120114574	ATTGGTCCAGAGGGGAGATAGGTT CCTG	40914	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013737	3_-_120114551_120114572	TGGTCCAGAGGGGAGATAGGTT	40915	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013738	3_-_120114551_120114574	ATTGGTCCAGAGGGGAGATAGGTT	40916	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013739	3_-_120114551_120114577	ATCATTGGTCCAGAGGGGAGATAG GTT	40917	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013740	3_-_120114552_120114570	GTCCAGAGGGGAGATAGGT	40918	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013741	3_-_120114555_120114574	ATTGGTCCAGAGGGGAGATA	40919	hsa-miR-198;Derives_from=MI0000240
NovelMiR_KnownLoci_ID0013742	3_+_120768531_120768548	GTAGCACCTTGCAGGATA	40920	hsa-miR-5682;Derives_from=MI0019282

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013743	3_+_120768531_120768549	GTAGCACCTTGCAGGATAA	40921	hsa-miR-5682;Derives_from=MI0019282
NovelMiR_KnownLoci_ID0013744	3_+_120768531_120768550	GTAGCACCTTGCAGGATAAG	40922	hsa-miR-5682;Derives_from=MI0019282
NovelMiR_KnownLoci_ID0013745	3_+_120768531_120768553	GTAGCACCTTGCAGGATAAGGTC	40923	hsa-miR-5682;Derives_from=MI0019282
NovelMiR_KnownLoci_ID0013746	3_+_120768532_120768552	TAGCACCTTGCAGGATAAGGT	40924	hsa-miR-5682;Derives_from=MI0019282
NovelMiR_KnownLoci_ID0013747	3_+_120768532_120768553	TAGCACCTTGCAGGATAAGGTC	40925	hsa-miR-5682;Derives_from=MI0019282
NovelMiR_KnownLoci_ID0013748	3_+_122880640_122880655	AGGGGCTGGGGGTGTG	40926	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013749	3_+_122880642_122880669	GGGCTGGGGGTGTGGGGAGAGAGAGTGC	40927	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013750	3_+_122880643_122880665	GGCTGGGGGTGTGGGGAGAGAGA	40928	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013751	3_+_122880644_122880664	GCTGGGGGTGTGGGGAGAGAG	40929	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013752	3_+_122880645_122880663	CTGGGGGTGTGGGGAGAGA	40930	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013753	3_+_122880645_122880664	CTGGGGGTGTGGGGAGAGAG	40931	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013754	3_+_122880645_122880665	CTGGGGGTGTGGGGAGAGAGA	40932	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013755	3_+_122880645_122880666	CTGGGGGTGTGGGGAGAGAGAG	40933	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013756	3_+_122880645_122880667	CTGGGGGTGTGGGGAGAGAGAGT	40934	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013757	3_+_122880645_122880668	CTGGGGGTGTGGGGAGAGAGAGTG	40935	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013758	3_+_122880645_122880670	CTGGGGGTGTGGGGAGAGAGAGTGCA	40936	hsa-miR-7110-5p;Derives_from=MI0022961

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013759	3_+_122880646_122880665	TGGGGGTGTGGGGAGAGGA	40937	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013760	3_+_122880646_122880667	TGGGGGTGTGGGGAGAGAGT	40938	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013761	3_+_122880652_122880672	TGTGGGGAGAGAGAGTGCACA	40939	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013762	3_+_122880654_122880672	TGGGGAGAGAGAGTGCACA	40940	hsa-miR-7110-5p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013763	3_+_122880703_122880725	TCTCTCTCTCCCACTTCCCTGCA	40941	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013764	3_+_122880704_122880723	CTCTCTCTCCCACTTCCCTG	40942	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013765	3_+_122880704_122880724	CTCTCTCTCCCACTTCCCTGC	40943	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013766	3_+_122880704_122880725	CTCTCTCTCCCACTTCCCTGCA	40944	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013767	3_+_122880704_122880726	CTCTCTCTCCCACTTCCCTGCAG	40945	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013768	3_+_122880704_122880727	CTCTCTCTCCCACTTCCCTGCAGG	40946	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013769	3_+_122880705_122880728	TCTCTCTCCCACTTCCCTGCAGGA	40947	hsa-miR-7110-3p;Derives_from=MI0022961
NovelMiR_KnownLoci_ID0013770	3_+_123851796_123851812	AATTTGGTTTCTGAGGC	40948	hsa-miR-5002-5p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013771	3_+_123851796_123851813	AATTTGGTTTCTGAGGCA	40949	hsa-miR-5002-5p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013772	3_+_123851796_123851816	AATTTGGTTTCTGAGGCACTT	40950	hsa-miR-5002-5p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013773	3_+_123851796_123851817	AATTTGGTTTCTGAGGCACTTA	40951	hsa-miR-5002-5p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013774	3_+_123851799_123851819	TTGGTTTCTGAGGCACTTAGT	40952	hsa-miR-5002-5p;Derives_from=MI0017868

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013775	3_+_123851799_123851822	TTGGTTTCTGAGGCACTTAGTAGG	40953	hsa-miR-5002-5p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013776	3_+_123851835_123851854	TGACTGCCTCACTGACCACT	40954	hsa-miR-5002-3p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013777	3_+_123851835_123851857	TGACTGCCTCACTGACCACTTCC	40955	hsa-miR-5002-3p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013778	3_+_123851837_123851857	ACTGCCTCACTGACCACTTCC	40956	hsa-miR-5002-3p;Derives_from=MI0017868
NovelMiR_KnownLoci_ID0013779	3_+_124451330_124451352	TAGACCTGAGGTTGTGCATTTCT	40957	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013780	3_+_124451331_124451351	AGACCTGAGGTTGTGCATTTC	40958	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013781	3_+_124451331_124451352	AGACCTGAGGTTGTGCATTTCT	40959	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013782	3_+_124451331_124451354	AGACCTGAGGTTGTGCATTTCTAA	40960	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013783	3_+_124451332_124451347	GACCTGAGGTTGTGCA	40961	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013784	3_+_124451332_124451352	GACCTGAGGTTGTGCATTTCT	40962	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013785	3_+_124451332_124451353	GACCTGAGGTTGTGCATTTCTA	40963	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013786	3_+_124451332_124451354	GACCTGAGGTTGTGCATTTCTAA	40964	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013787	3_+_124451333_124451351	ACCTGAGGTTGTGCATTTC	40965	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013788	3_+_124451333_124451352	ACCTGAGGTTGTGCATTTCT	40966	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013789	3_+_124451333_124451353	ACCTGAGGTTGTGCATTTCTA	40967	hsa-miR-544b;Derives_from=MI0014159
NovelMiR_KnownLoci_ID0013790	3_+_124451333_124451355	ACCTGAGGTTGTGCATTTCTAAC	40968	hsa-miR-544b;Derives_from=MI0014159

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013791	3_-_124870317_124870340	AATCCACGCTGAGCTTGGCATCTG	40969	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013792	3_-_124870318_124870340	AATCCACGCTGAGCTTGGCATCT	40970	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013793	3_-_124870319_124870339	ATCCACGCTGAGCTTGGCATC	40971	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013794	3_-_124870320_124870340	AATCCACGCTGAGCTTGGCAT	40972	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013795	3_-_124870321_124870340	AATCCACGCTGAGCTTGGCA	40973	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013796	3_-_124870326_124870346	CAAACCAATCCACGCTGAGCT	40974	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013797	3_-_124870329_124870346	CAAACCAATCCACGCTGA	40975	hsa-miR-5092;Derives_from=MI0017981
NovelMiR_KnownLoci_ID0013798	3_-_127294107_127294132	CGCGCTGACCCGCCTTCTCCGCAG CT	40976	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013799	3_-_127294107_127294133	CCGCGCTGACCCGCCTTCTCCGCA GCT	40977	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013800	3_-_127294108_127294130	CGCTGACCCGCCTTCTCCGCAGC	40978	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013801	3_-_127294108_127294132	CGCGCTGACCCGCCTTCTCCGCAG C	40979	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013802	3_-_127294108_127294133	CCGCGCTGACCCGCCTTCTCCGCA GC	40980	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013803	3_-_127294109_127294130	CGCTGACCCGCCTTCTCCGCAG	40981	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013804	3_-_127294109_127294131	GCGCTGACCCGCCTTCTCCGCAG	40982	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013805	3_-_127294110_127294130	CGCTGACCCGCCTTCTCCGCA	40983	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013806	3_-_127294110_127294132	CGCGCTGACCCGCCTTCTCCGCA	40984	hsa-miR-6825-3p;Derives_from=MI0022670

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013807	3_-_127294111_127294131	GCGCTGACCCGCCTTCTCCGC	40985	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013808	3_-_127294111_127294133	CCGCGCTGACCCGCCTTCTCCGC	40986	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013809	3_-_127294119_127294135	CCCCGCGCTGACCCGCC	40987	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013810	3_-_127294122_127294137	GGCCCCGCGCTGACCC	40988	hsa-miR-6825-3p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013811	3_-_127294144_127294165	GAGGTGTGGAGTCAGCATGGGG	40989	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013812	3_-_127294145_127294165	GAGGTGTGGAGTCAGCATGGG	40990	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013813	3_-_127294145_127294169	TGGGGAGGTGTGGAGTCAGCATGGG	40991	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013814	3_-_127294146_127294167	GGGAGGTGTGGAGTCAGCATGG	40992	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013815	3_-_127294146_127294169	TGGGGAGGTGTGGAGTCAGCATGG	40993	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013816	3_-_127294146_127294170	ATGGGGAGGTGTGGAGTCAGCATG	40994	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013817	3_-_127294146_127294171	CATGGGGAGGTGTGGAGTCAGCATGG	40995	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013818	3_-_127294147_127294168	GGGGAGGTGTGGAGTCAGCATG	40996	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013819	3_-_127294147_127294169	TGGGGAGGTGTGGAGTCAGCATG	40997	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013820	3_-_127294147_127294170	ATGGGGAGGTGTGGAGTCAGCATG	40998	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013821	3_-_127294148_127294170	ATGGGGAGGTGTGGAGTCAGCAT	40999	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013822	3_-_127294148_127294171	CATGGGGAGGTGTGGAGTCAGCAT	41000	hsa-miR-6825-5p;Derives_from=MI0022670

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013823	3_-_127294149_127294169	TGGGGAGGTGTGGAGTCAGCA	41001	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013824	3_-_127294149_127294171	CATGGGGAGGTGTGGAGTCAGCA	41002	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013825	3_-_127294150_127294169	TGGGGAGGTGTGGAGTCAGC	41003	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013826	3_-_127294151_127294169	TGGGGAGGTGTGGAGTCAG	41004	hsa-miR-6825-5p;Derives_from=MI0022670
NovelMiR_KnownLoci_ID0013827	3_-_127305996_127306019	TGCCCTGAGACTTTTGCTCTAATA	41005	hsa-miR-7976;Derives_from=MI0025752
NovelMiR_KnownLoci_ID0013828	3_-_127305997_127306019	TGCCCTGAGACTTTTGCTCTAAT	41006	hsa-miR-7976;Derives_from=MI0025752
NovelMiR_KnownLoci_ID0013829	3_-_127305998_127306019	TGCCCTGAGACTTTTGCTCTAA	41007	hsa-miR-7976;Derives_from=MI0025752
NovelMiR_KnownLoci_ID0013830	3_-_127305999_127306019	TGCCCTGAGACTTTTGCTCTA	41008	hsa-miR-7976;Derives_from=MI0025752
NovelMiR_KnownLoci_ID0013831	3_-_127306000_127306019	TGCCCTGAGACTTTTGCTCT	41009	hsa-miR-7976;Derives_from=MI0025752
NovelMiR_KnownLoci_ID0013832	3_+_128990993_128991020	GTCAATAGGAAAGAGGTGGGACCTCCTG	41010	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013833	3_+_128990994_128991014	TCAATAGGAAAGAGGTGGGAC	41011	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013834	3_+_128990994_128991015	TCAATAGGAAAGAGGTGGGACC	41012	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013835	3_+_128990994_128991017	TCAATAGGAAAGAGGTGGGACCTC	41013	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013836	3_+_128990994_128991018	TCAATAGGAAAGAGGTGGGACCTCC	41014	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013837	3_+_128990995_128991014	CAATAGGAAAGAGGTGGGAC	41015	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013838	3_+_128990995_128991015	CAATAGGAAAGAGGTGGGACC	41016	hsa-miR-6826-5p;Derives_from=MI0022671

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013839	3_+_128990995_128991017	CAATAGGAAAGAGGTGGGACCTC	41017	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013840	3_+_128990995_128991018	CAATAGGAAAGAGGTGGGACCTCC	41018	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013841	3_+_128990995_128991019	CAATAGGAAAGAGGTGGGACCTCCT	41019	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013842	3_+_128990996_128991015	AATAGGAAAGAGGTGGGACC	41020	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013843	3_+_128990996_128991016	AATAGGAAAGAGGTGGGACCT	41021	hsa-miR-6826-5p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013844	3_+_128991065_128991083	CTCCCCTCTCTTTCCTGTT	41022	hsa-miR-6826-3p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013845	3_+_128991065_128991084	CTCCCCTCTCTTTCCTGTTC	41023	hsa-miR-6826-3p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013846	3_+_128991065_128991085	CTCCCCTCTCTTTCCTGTTCA	41024	hsa-miR-6826-3p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013847	3_+_128991065_128991087	CTCCCCTCTCTTTCCTGTTCAGT	41025	hsa-miR-6826-3p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013848	3_+_128991065_128991089	CTCCCCTCTCTTTCCTGTTCAGTTT	41026	hsa-miR-6826-3p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013849	3_+_128991066_128991087	TCCCCTCTCTTTCCTGTTCAGT	41027	hsa-miR-6826-3p;Derives_from=MI0022671
NovelMiR_KnownLoci_ID0013850	3_-_131704739_131704759	ATCATCCCATTATGCTAAGTC	41028	hsa-miR-5704;Derives_from=MI0019312
NovelMiR_KnownLoci_ID0013851	3_-_131704744_131704765	TAGGCCATCATCCCATTATGCT	41029	hsa-miR-5704;Derives_from=MI0019312
NovelMiR_KnownLoci_ID0013852	3_-_131704745_131704765	TAGGCCATCATCCCATTATGC	41030	hsa-miR-5704;Derives_from=MI0019312
NovelMiR_KnownLoci_ID0013853	3_-_131704747_131704767	TTTAGGCCATCATCCCATTAT	41031	hsa-miR-5704;Derives_from=MI0019312
NovelMiR_KnownLoci_ID0013854	3_-_134086642_134086665	CCGTCTCTTCTGTTCCCCAGGATC	41032	hsa-miR-6827-3p;Derives_from=MI0022672

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013855	3_-_134086642_134086666	ACCGTCTCTTCTGTTCCCCAGGAT C	41033	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013856	3_-_134086643_134086665	CCGTCTCTTCTGTTCCCCAGGAT	41034	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013857	3_-_134086643_134086666	ACCGTCTCTTCTGTTCCCCAGGAT	41035	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013858	3_-_134086644_134086665	CCGTCTCTTCTGTTCCCCAGGA	41036	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013859	3_-_134086644_134086666	ACCGTCTCTTCTGTTCCCCAGGA	41037	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013860	3_-_134086648_134086670	GAGCACCGTCTCTTCTGTTCCCC	41038	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013861	3_-_134086653_134086672	CTGAGCACCGTCTCTTCTGT	41039	hsa-miR-6827-3p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013862	3_-_134086672_134086690	TGAGGGTCTGTGCTGTCTC	41040	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013863	3_-_134086675_134086699	TGGGAGCCATGAGGGTCTGTGCTG T	41041	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013864	3_-_134086676_134086699	TGGGAGCCATGAGGGTCTGTGCTG	41042	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013865	3_-_134086677_134086699	TGGGAGCCATGAGGGTCTGTGCT	41043	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013866	3_-_134086677_134086700	GTGGGAGCCATGAGGGTCTGTGCT	41044	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013867	3_-_134086678_134086700	GTGGGAGCCATGAGGGTCTGTGC	41045	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013868	3_-_134086678_134086701	GGTGGGAGCCATGAGGGTCTGTGC	41046	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013869	3_-_134086678_134086702	TGGTGGGAGCCATGAGGGTCTGTG C	41047	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013870	3_-_134086679_134086699	TGGGAGCCATGAGGGTCTGTG	41048	hsa-miR-6827-5p;Derives_from=MI0022672

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013871	3_-_134086680_134086700	GTGGGAGCCATGAGGGTCTGT	41049	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013872	3_-_134086681_134086699	TGGGAGCCATGAGGGTCTG	41050	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013873	3_-_134086682_134086699	TGGGAGCCATGAGGGTCT	41051	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013874	3_-_134086682_134086700	GTGGGAGCCATGAGGGTCT	41052	hsa-miR-6827-5p;Derives_from=MI0022672
NovelMiR_KnownLoci_ID0013875	3_+_134156674_134156697	AGGATTACGGACCAGCTAAGGGAG	41053	hsa-miR-4788;Derives_from=MI0017435
NovelMiR_KnownLoci_ID0013876	3_+_134156678_134156701	TTACGGACCAGCTAAGGGAGGCAT	41054	hsa-miR-4788;Derives_from=MI0017435
NovelMiR_KnownLoci_ID0013877	3_+_134156678_134156702	TTACGGACCAGCTAAGGGAGGCATT	41055	hsa-miR-4788;Derives_from=MI0017435
NovelMiR_KnownLoci_ID0013878	3_+_134156679_134156701	TACGGACCAGCTAAGGGAGGCAT	41056	hsa-miR-4788;Derives_from=MI0017435
NovelMiR_KnownLoci_ID0013879	3_+_134156679_134156705	TACGGACCAGCTAAGGGAGGCATTAGG	41057	hsa-miR-4788;Derives_from=MI0017435
NovelMiR_KnownLoci_ID0013880	3_+_134156680_134156702	ACGGACCAGCTAAGGGAGGCATT	41058	hsa-miR-4788;Derives_from=MI0017435
NovelMiR_KnownLoci_ID0013881	3_-_151283691_151283713	GAGAGATTGGTAGAAATCAGGTG	41059	hsa-miR-5186;Derives_from=MI0018165
NovelMiR_KnownLoci_ID0013882	3_-_151283694_151283717	TGGGGAGAGATTGGTAGAAATCAG	41060	hsa-miR-5186;Derives_from=MI0018165
NovelMiR_KnownLoci_ID0013883	3_-_151283696_151283712	AGAGATTGGTAGAAATC	41061	hsa-miR-5186;Derives_from=MI0018165
NovelMiR_KnownLoci_ID0013884	3_-_15537781_15537805	TCAGGGAGTCAGGGGAGGGCAGAAA	41062	hsa-miR-4270;Derives_from=MI0015878
NovelMiR_KnownLoci_ID0013885	3_-_15537782_15537805	TCAGGGAGTCAGGGGAGGGCAGAA	41063	hsa-miR-4270;Derives_from=MI0015878
NovelMiR_KnownLoci_ID0013886	3_-_15537783_15537805	TCAGGGAGTCAGGGGAGGGCAGA	41064	hsa-miR-4270;Derives_from=MI0015878

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013887	3_-_15537784_15537805	TCAGGGAGTCAGGGGAGGGCAG	41065	hsa-miR-4270;Derives_from=MI0015878
NovelMiR_KnownLoci_ID0013888	3_-_15537785_15537805	TCAGGGAGTCAGGGGAGGGCA	41066	hsa-miR-4270;Derives_from=MI0015878
NovelMiR_KnownLoci_ID0013889	3_-_15738816_15738836	TATGATGGATAAAAGACTACA	41067	hsa-miR-3134;Derives_from=MI0014155
NovelMiR_KnownLoci_ID0013890	3_-_15738816_15738837	ATATGATGGATAAAAGACTACA	41068	hsa-miR-3134;Derives_from=MI0014155
NovelMiR_KnownLoci_ID0013891	3_-_15738816_15738839	AAATATGATGGATAAAAGACTACA	41069	hsa-miR-3134;Derives_from=MI0014155
NovelMiR_KnownLoci_ID0013892	3_-_15738817_15738837	ATATGATGGATAAAAGACTAC	41070	hsa-miR-3134;Derives_from=MI0014155
NovelMiR_KnownLoci_ID0013893	3_+_159000489_159000507	GCAGAGAACAAAGGACTCA	41071	hsa-miR-3919;Derives_from=MI0016425
NovelMiR_KnownLoci_ID0013894	3_+_159000489_159000510	GCAGAGAACAAAGGACTCAGTA	41072	hsa-miR-3919;Derives_from=MI0016425
NovelMiR_KnownLoci_ID0013895	3_+_159000490_159000510	CAGAGAACAAAGGACTCAGTA	41073	hsa-miR-3919;Derives_from=MI0016425
NovelMiR_KnownLoci_ID0013896	3_+_159000490_159000511	CAGAGAACAAAGGACTCAGTAA	41074	hsa-miR-3919;Derives_from=MI0016425
NovelMiR_KnownLoci_ID0013897	3_+_15915323_15915338	GTAATTAGGTTGACAT	41075	hsa-miR-563;Derives_from=MI0003569
NovelMiR_KnownLoci_ID0013898	3_+_15915330_15915347	GGTTGACATACGTTTCCC	41076	hsa-miR-563;Derives_from=MI0003569
NovelMiR_KnownLoci_ID0013899	3_+_160122395_160122413	TAGCAGCACATCATGGTTT	41077	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013900	3_+_160122395_160122414	TAGCAGCACATCATGGTTTA	41078	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013901	3_+_160122395_160122415	TAGCAGCACATCATGGTTTAC	41079	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013902	3_+_160122395_160122417	TAGCAGCACATCATGGTTTACAT	41080	hsa-miR-15b-5p;Derives_from=MI0000438

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013903	3_+_160122395_160122418	TAGCAGCACATCATGGTTTACATG	41081	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013904	3_+_160122398_160122413	CAGCACATCATGGTTT	41082	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013905	3_+_160122398_160122414	CAGCACATCATGGTTTA	41083	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013906	3_+_160122398_160122415	CAGCACATCATGGTTTAC	41084	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013907	3_+_160122398_160122416	CAGCACATCATGGTTTACA	41085	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013908	3_+_160122398_160122417	CAGCACATCATGGTTTACAT	41086	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013909	3_+_160122398_160122418	CAGCACATCATGGTTTACATG	41087	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013910	3_+_160122398_160122421	CAGCACATCATGGTTTACATGCTA	41088	hsa-miR-15b-5p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013911	3_+_160122427_160122444	AAGATGCGAATCATTATT	41089	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013912	3_+_160122433_160122450	CGAATCATTATTTGCTGC	41090	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013913	3_+_160122433_160122451	CGAATCATTATTTGCTGCT	41091	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013914	3_+_160122433_160122452	CGAATCATTATTTGCTGCTC	41092	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013915	3_+_160122433_160122453	CGAATCATTATTTGCTGCTCT	41093	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013916	3_+_160122433_160122455	CGAATCATTATTTGCTGCTCTAG	41094	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013917	3_+_160122433_160122457	CGAATCATTATTTGCTGCTCTAGA A	41095	hsa-miR-15b-3p;Derives_from=MI0000438
NovelMiR_KnownLoci_ID0013918	3_+_160122541_160122561	CTAGCAGCACGTAAATATTGG	41096	hsa-miR-16-5p;Derives_from=MI0000115

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013919	3_+_160122541_160122563	CTAGCAGCACGTAAATATTGGCG	41097	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013920	3_+_160122542_160122562	TAGCAGCACGTAAATATTGGC	41098	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013921	3_+_160122542_160122564	TAGCAGCACGTAAATATTGGCGT	41099	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013922	3_+_160122542_160122565	TAGCAGCACGTAAATATTGGCGTA	41100	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013923	3_+_160122542_160122566	TAGCAGCACGTAAATATTGGCGTAG	41101	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013924	3_+_160122542_160122567	TAGCAGCACGTAAATATTGGCGTAGT	41102	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013925	3_+_160122543_160122563	AGCAGCACGTAAATATTGGCG	41103	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013926	3_+_160122543_160122565	AGCAGCACGTAAATATTGGCGTA	41104	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013927	3_+_160122545_160122565	CAGCACGTAAATATTGGCGTA	41105	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013928	3_+_160122545_160122566	CAGCACGTAAATATTGGCGTAG	41106	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013929	3_+_160122545_160122567	CAGCACGTAAATATTGGCGTAGT	41107	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013930	3_+_160122545_160122568	CAGCACGTAAATATTGGCGTAGTG	41108	hsa-miR-16-5p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013931	3_+_160122583_160122610	CACCAATATTACTGTGCTGCTTTAGTGT	41109	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013932	3_+_160122584_160122601	ACCAATATTACTGTGCTG	41110	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013933	3_+_160122584_160122602	ACCAATATTACTGTGCTGC	41111	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013934	3_+_160122584_160122603	ACCAATATTACTGTGCTGCT	41112	hsa-miR-16-2-3p;Derives_from=MI0000115

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013935	3_+_160122584_160122604	ACCAATATTACTGTGCTGCTT	41113	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013936	3_+_160122584_160122605	ACCAATATTACTGTGCTGCTTT	41114	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013937	3_+_160122584_160122606	ACCAATATTACTGTGCTGCTTTA	41115	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013938	3_+_160122584_160122607	ACCAATATTACTGTGCTGCTTTAG	41116	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013939	3_+_160122584_160122608	ACCAATATTACTGTGCTGCTTTAGT	41117	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013940	3_+_160122584_160122610	ACCAATATTACTGTGCTGCTTTAGTGT	41118	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013941	3_+_160122585_160122605	CCAATATTACTGTGCTGCTTT	41119	hsa-miR-16-2-3p;Derives_from=MI0000115
NovelMiR_KnownLoci_ID0013942	3_-_163889308_163889332	ATGGTACCCTGGCATACTGAGTATT	41120	hsa-miR-1263;Derives_from=MI0006398
NovelMiR_KnownLoci_ID0013943	3_-_163889312_163889332	ATGGTACCCTGGCATACTGAG	41121	hsa-miR-1263;Derives_from=MI0006398
NovelMiR_KnownLoci_ID0013944	3_+_168269663_168269681	GAAATCAAGCGTGGGTGAG	41122	hsa-miR-551b-5p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013945	3_+_168269663_168269682	GAAATCAAGCGTGGGTGAGA	41123	hsa-miR-551b-5p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013946	3_+_168269663_168269683	GAAATCAAGCGTGGGTGAGAC	41124	hsa-miR-551b-5p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013947	3_+_168269663_168269685	GAAATCAAGCGTGGGTGAGACCT	41125	hsa-miR-551b-5p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013948	3_+_168269663_168269686	GAAATCAAGCGTGGGTGAGACCTG	41126	hsa-miR-551b-5p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013949	3_+_168269701_168269723	GGCGACCCATACTTGGTTTCAGA	41127	hsa-miR-551b-3p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013950	3_+_168269702_168269717	GCGACCCATACTTGGT	41128	hsa-miR-551b-3p;Derives_from=MI0003575

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013951	3_+_168269702_168269718	GCGACCCATACTTGGTT	41129	hsa-miR-551b-3p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013952	3_+_168269702_168269721	GCGACCCATACTTGGTTTCA	41130	hsa-miR-551b-3p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013953	3_+_168269702_168269723	GCGACCCATACTTGGTTTCAGA	41131	hsa-miR-551b-3p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013954	3_+_168269702_168269724	GCGACCCATACTTGGTTTCAGAG	41132	hsa-miR-551b-3p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013955	3_+_168269703_168269723	CGACCCATACTTGGTTTCAGA	41133	hsa-miR-551b-3p;Derives_from=MI0003575
NovelMiR_KnownLoci_ID0013956	3_+_16974687_16974704	AGAAGGCAGCAGTGCTCC	41134	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013957	3_+_16974687_16974705	AGAAGGCAGCAGTGCTCCC	41135	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013958	3_+_16974687_16974707	AGAAGGCAGCAGTGCTCCCCT	41136	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013959	3_+_16974687_16974709	AGAAGGCAGCAGTGCTCCCCTGT	41137	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013960	3_+_16974687_16974713	AGAAGGCAGCAGTGCTCCCCTGTGACG	41138	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013961	3_+_16974689_16974707	AAGGCAGCAGTGCTCCCCT	41139	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013962	3_+_16974690_16974712	AGGCAGCAGTGCTCCCCTGTGAC	41140	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013963	3_+_16974690_16974713	AGGCAGCAGTGCTCCCCTGTGACG	41141	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013964	3_+_16974692_16974713	GCAGCAGTGCTCCCCTGTGACG	41142	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013965	3_+_16974699_16974715	TGCTCCCCTGTGACGTG	41143	hsa-miR-3714;Derives_from=MI0016135
NovelMiR_KnownLoci_ID0013966	3_+_170140893_170140915	CTCAGGAAGCAAGAGAACCCTGT	41144	hsa-miR-6828-5p;Derives_from=MI0022673

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013967	3_+_170140894_170140914	TCAGGAAGCAAGAGAACCCTG	41145	hsa-miR-6828-5p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013968	3_+_170140894_170140917	TCAGGAAGCAAGAGAACCCTGTGG	41146	hsa-miR-6828-5p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013969	3_+_170140925_170140950	TTTCCCATCTGCTCTCTTGTTCCCAG	41147	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013970	3_+_170140929_170140952	CCATCTGCTCTCTTGTTCCCAGGC	41148	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013971	3_+_170140930_170140951	CATCTGCTCTCTTGTTCCCAGG	41149	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013972	3_+_170140931_170140948	ATCTGCTCTCTTGTTCCC	41150	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013973	3_+_170140931_170140951	ATCTGCTCTCTTGTTCCCAGG	41151	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013974	3_+_170140931_170140952	ATCTGCTCTCTTGTTCCCAGGC	41152	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013975	3_+_170140934_170140951	TGCTCTCTTGTTCCCAGG	41153	hsa-miR-6828-3p;Derives_from=MI0022673
NovelMiR_KnownLoci_ID0013976	3_-_170824466_170824487	GTTAATGAATCCTGGAAAGTTA	41154	hsa-miR-569;Derives_from=MI0003576
NovelMiR_KnownLoci_ID0013977	3_-_170824468_170824486	TTAATGAATCCTGGAAAGT	41155	hsa-miR-569;Derives_from=MI0003576
NovelMiR_KnownLoci_ID0013978	3_+_175087340_175087362	TGTATACACCTGATATGTGTATG	41156	hsa-miR-4789-5p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013979	3_+_175087340_175087365	TGTATACACCTGATATGTGTATGTGT	41157	hsa-miR-4789-5p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013980	3_+_175087341_175087357	GTATACACCTGATATGT	41158	hsa-miR-4789-5p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013981	3_+_175087341_175087363	GTATACACCTGATATGTGTATGT	41159	hsa-miR-4789-5p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013982	3_+_175087379_175087395	CACACATAGCAGGTGTA	41160	hsa-miR-4789-3p;Derives_from=MI0017436

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013983	3_+_175087379_175087396	CACACATAGCAGGTGTAT	41161	hsa-miR-4789-3p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013984	3_+_175087379_175087397	CACACATAGCAGGTGTATA	41162	hsa-miR-4789-3p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013985	3_+_175087379_175087398	CACACATAGCAGGTGTATAT	41163	hsa-miR-4789-3p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013986	3_+_175087379_175087400	CACACATAGCAGGTGTATATAT	41164	hsa-miR-4789-3p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013987	3_+_175087379_175087401	CACACATAGCAGGTGTATATATA	41165	hsa-miR-4789-3p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013988	3_+_175087379_175087402	CACACATAGCAGGTGTATATATAG	41166	hsa-miR-4789-3p;Derives_from=MI0017436
NovelMiR_KnownLoci_ID0013989	3_+_176232886_176232908	TTGGTTTCCCAGCCAACGCACCA	41167	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013990	3_+_176232887_176232908	TGGTTTCCCAGCCAACGCACCA	41168	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013991	3_+_176232887_176232909	TGGTTTCCCAGCCAACGCACCAA	41169	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013992	3_+_176232888_176232908	GGTTTCCCAGCCAACGCACCA	41170	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013993	3_+_176232889_176232907	GTTTCCCAGCCAACGCACC	41171	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013994	3_+_176232889_176232908	GTTTCCCAGCCAACGCACCA	41172	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013995	3_+_176232889_176232909	GTTTCCCAGCCAACGCACCAA	41173	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013996	3_+_176232890_176232910	TTTCCCAGCCAACGCACCAAA	41174	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013997	3_+_176232891_176232910	TTCCCAGCCAACGCACCAAA	41175	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0013998	3_+_176232891_176232911	TTCCCAGCCAACGCACCAAAA	41176	hsa-miR-7977;Derives_from=MI0025753

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0013999	3_+_176232891_176232912	TTCCCAGCCAACGCACCAAAAA	41177	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014000	3_+_176232892_176232908	TCCCAGCCAACGCACCA	41178	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014001	3_+_176232892_176232911	TCCCAGCCAACGCACCAAAA	41179	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014002	3_+_176232892_176232912	TCCCAGCCAACGCACCAAAAA	41180	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014003	3_+_176232893_176232908	CCCAGCCAACGCACCA	41181	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014004	3_+_176232893_176232909	CCCAGCCAACGCACCAA	41182	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014005	3_+_176232893_176232910	CCCAGCCAACGCACCAAA	41183	hsa-miR-7977;Derives_from=MI0025753
NovelMiR_KnownLoci_ID0014006	3_+_183604648_183604669	GGCTCCTTGGTCTAGGGGTAAT	41184	hsa-miR-4448;Derives_from=MI0016791
NovelMiR_KnownLoci_ID0014007	3_+_183604648_183604670	GGCTCCTTGGTCTAGGGGTAATG	41185	hsa-miR-4448;Derives_from=MI0016791
NovelMiR_KnownLoci_ID0014008	3_+_183604650_183604670	CTCCTTGGTCTAGGGGTAATG	41186	hsa-miR-4448;Derives_from=MI0016791
NovelMiR_KnownLoci_ID0014009	3_+_183604653_183604670	CTTGGTCTAGGGGTAATG	41187	hsa-miR-4448;Derives_from=MI0016791
NovelMiR_KnownLoci_ID0014010	3_+_183959193_183959209	GTGAGGACTCGGGAGGT	41188	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014011	3_+_183959193_183959210	GTGAGGACTCGGGAGGTG	41189	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014012	3_+_183959193_183959212	GTGAGGACTCGGGAGGTGGA	41190	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014013	3_+_183959193_183959213	GTGAGGACTCGGGAGGTGGAG	41191	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014014	3_+_183959193_183959214	GTGAGGACTCGGGAGGTGGAGG	41192	hsa-miR-1224-5p;Derives_from=MI0003764

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014015	3_+_183959193_183959215	GTGAGGACTCGGGAGGTCGAGGG	41193	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014016	3_+_183959193_183959216	GTGAGGACTCGGGAGGTGGAGGGT	41194	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014017	3_+_183959193_183959217	GTGAGGACTCGGGAGGTGGAGGGTG	41195	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014018	3_+_183959194_183959211	TGAGGACTCGGGAGGTGG	41196	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014019	3_+_183959195_183959211	GAGGACTCGGGAGGTGG	41197	hsa-miR-1224-5p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014020	3_+_183959251_183959271	TTCTCCCCCCACCTCCTCTCT	41198	hsa-miR-1224-3p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014021	3_+_183959257_183959276	CCCCACCTCCTCTCTCCTCA	41199	hsa-miR-1224-3p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014022	3_+_183959257_183959278	CCCCACCTCCTCTCTCCTCAGG	41200	hsa-miR-1224-3p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014023	3_+_183959257_183959279	CCCCACCTCCTCTCTCCTCAGGT	41201	hsa-miR-1224-3p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014024	3_+_183959257_183959280	CCCCACCTCCTCTCTCCTCAGGTG	41202	hsa-miR-1224-3p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014025	3_+_183959258_183959278	CCCACCTCCTCTCTCCTCAGG	41203	hsa-miR-1224-3p;Derives_from=MI0003764
NovelMiR_KnownLoci_ID0014026	3_-_184970993_184971015	AGTCCCACTAATGCCAGCTCAGT	41204	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014027	3_-_184970993_184971016	AAGTCCCACTAATGCCAGCTCAGT	41205	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014028	3_-_184970994_184971016	AAGTCCCACTAATGCCAGCTCAG	41206	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014029	3_-_184970995_184971016	AAGTCCCACTAATGCCAGCTCA	41207	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014030	3_-_184970996_184971016	AAGTCCCACTAATGCCAGCTC	41208	hsa-miR-5588-3p;Derives_from=MI0019147

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014031	3_-_184970996_184971019	TAAAAGTCCCACTAATGCCAGCTC	41209	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014032	3_-_184970997_184971016	AAGTCCCACTAATGCCAGCT	41210	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014033	3_-_184970997_184971019	TAAAAGTCCCACTAATGCCAGCT	41211	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014034	3_-_184970998_184971019	TAAAAGTCCCACTAATGCCAGC	41212	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014035	3_-_184971000_184971019	TAAAAGTCCCACTAATGCCA	41213	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014036	3_-_184971001_184971019	TAAAAGTCCCACTAATGCC	41214	hsa-miR-5588-3p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014037	3_-_184971036_184971058	TGGCATTAGTGGGACTTTTTTTT	41215	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014038	3_-_184971037_184971060	ACTGGCATTAGTGGGACTTTTTTT	41216	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014039	3_-_184971038_184971058	TGGCATTAGTGGGACTTTTTT	41217	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014040	3_-_184971038_184971060	ACTGGCATTAGTGGGACTTTTTT	41218	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014041	3_-_184971039_184971058	TGGCATTAGTGGGACTTTTT	41219	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014042	3_-_184971039_184971060	ACTGGCATTAGTGGGACTTTTT	41220	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014043	3_-_184971041_184971060	ACTGGCATTAGTGGGACTTT	41221	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014044	3_-_184971043_184971060	ACTGGCATTAGTGGGACT	41222	hsa-miR-5588-5p;Derives_from=MI0019147
NovelMiR_KnownLoci_ID0014045	3_+_186504463_186504482	TACCTTCTTGTATAAGCACT	41223	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014046	3_+_186504464_186504479	ACCTTCTTGTATAAGC	41224	hsa-miR-1248;Derives_from=MI0006383

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014047	3_+_186504464_186504480	ACCTTCTTGTATAAGCA	41225	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014048	3_+_186504464_186504481	ACCTTCTTGTATAAGCAC	41226	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014049	3_+_186504464_186504482	ACCTTCTTGTATAAGCACT	41227	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014050	3_+_186504464_186504483	ACCTTCTTGTATAAGCACTG	41228	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014051	3_+_186504464_186504484	ACCTTCTTGTATAAGCACTGT	41229	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014052	3_+_186504464_186504485	ACCTTCTTGTATAAGCACTGTG	41230	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014053	3_+_186504464_186504486	ACCTTCTTGTATAAGCACTGTGC	41231	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014054	3_+_186504464_186504487	ACCTTCTTGTATAAGCACTGTGCT	41232	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014055	3_+_186504464_186504488	ACCTTCTTGTATAAGCACTGTGCT A	41233	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014056	3_+_186504464_186504489	ACCTTCTTGTATAAGCACTGTGCT AA	41234	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014057	3_+_186504464_186504491	ACCTTCTTGTATAAGCACTGTGCT AAAA	41235	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014058	3_+_186504481_186504496	CTGTGCTAAAATTGCA	41236	hsa-miR-1248;Derives_from=MI0006383
NovelMiR_KnownLoci_ID0014059	3_+_188406582_188406602	AAGGAGCTCACAGTCTATTGA	41237	hsa-miR-28-5p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014060	3_+_188406582_188406604	AAGGAGCTCACAGTCTATTGAGT	41238	hsa-miR-28-5p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014061	3_+_188406582_188406605	AAGGAGCTCACAGTCTATTGAGTT	41239	hsa-miR-28-5p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014062	3_+_188406622_188406641	CACTAGATTGTGAGCTCCTG	41240	hsa-miR-28-3p;Derives_from=MI0000086

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014063	3_+_188406622_188406642	CACTAGATTGTGAGCTCCTGG	41241	hsa-miR-28-3p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014064	3_+_188406622_188406644	CACTAGATTGTGAGCTCCTGGAG	41242	hsa-miR-28-3p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014065	3_+_188406622_188406645	CACTAGATTGTGAGCTCCTGGAGG	41243	hsa-miR-28-3p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014066	3_+_188406623_188406644	ACTAGATTGTGAGCTCCTGGAG	41244	hsa-miR-28-3p;Derives_from=MI0000086
NovelMiR_KnownLoci_ID0014067	3_+_189547763_189547780	GAAATTATTGTACATCGG	41245	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014068	3_+_189547763_189547782	GAAATTATTGTACATCGGAT	41246	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014069	3_+_189547763_189547783	GAAATTATTGTACATCGGATG	41247	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014070	3_+_189547763_189547784	GAAATTATTGTACATCGGATGA	41248	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014071	3_+_189547763_189547785	GAAATTATTGTACATCGGATGAG	41249	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014072	3_+_189547763_189547786	GAAATTATTGTACATCGGATGAGC	41250	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014073	3_+_189547764_189547781	AAATTATTGTACATCGGA	41251	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014074	3_+_189547764_189547782	AAATTATTGTACATCGGAT	41252	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014075	3_+_189547764_189547783	AAATTATTGTACATCGGATG	41253	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014076	3_+_189547764_189547784	AAATTATTGTACATCGGATGA	41254	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014077	3_+_189547764_189547786	AAATTATTGTACATCGGATGAGC	41255	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014078	3_+_189547764_189547787	AAATTATTGTACATCGGATGAGCT	41256	hsa-miR-944;Derives_from=MI0005769

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014079	3_+_189547765_189547784	AATTATTGTACATCGGATGA	41257	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014080	3_+_189547765_189547785	AATTATTGTACATCGGATGAG	41258	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014081	3_+_189547765_189547786	AATTATTGTACATCGGATGAGC	41259	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014082	3_+_189547765_189547787	AATTATTGTACATCGGATGAGCT	41260	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014083	3_+_189547770_189547785	TTGTACATCGGATGAG	41261	hsa-miR-944;Derives_from=MI0005769
NovelMiR_KnownLoci_ID0014084	3_-_19356393_19356416	TGGATATGATGACTGAAATAAGCT	41262	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014085	3_-_19356394_19356416	TGGATATGATGACTGAAATAAGC	41263	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014086	3_-_19356395_19356416	TGGATATGATGACTGAAATAAG	41264	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014087	3_-_19356396_19356416	TGGATATGATGACTGAAATAA	41265	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014088	3_-_19356396_19356417	CTGGATATGATGACTGAAATAA	41266	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014089	3_-_19356397_19356415	GGATATGATGACTGAAATA	41267	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014090	3_-_19356397_19356417	CTGGATATGATGACTGAAATA	41268	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014091	3_-_19356398_19356416	TGGATATGATGACTGAAAT	41269	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014092	3_-_19356398_19356417	CTGGATATGATGACTGAAAT	41270	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014093	3_-_19356399_19356417	CTGGATATGATGACTGAAA	41271	hsa-miR-4791;Derives_from=MI0017438
NovelMiR_KnownLoci_ID0014094	3_-_19356400_19356417	CTGGATATGATGACTGAA	41272	hsa-miR-4791;Derives_from=MI0017438

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014095	3_-_194855276_194855302	CTGTAGCCTGGGAGCAATGGGGTGTAT	41273	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014096	3_-_194855278_194855303	TCTGTAGCCTGGGAGCAATGGGGT	41274	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014097	3_-_194855279_194855302	CTGTAGCCTGGGAGCAATGGGGTG	41275	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014098	3_-_194855280_194855302	CTGTAGCCTGGGAGCAATGGGGT	41276	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014099	3_-_194855281_194855302	CTGTAGCCTGGGAGCAATGGGG	41277	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014100	3_-_194855281_194855303	TCTGTAGCCTGGGAGCAATGGGG	41278	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014101	3_-_194855282_194855302	CTGTAGCCTGGGAGCAATGGG	41279	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014102	3_-_194855282_194855303	TCTGTAGCCTGGGAGCAATGGG	41280	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014103	3_-_194855283_194855303	TCTGTAGCCTGGGAGCAATGG	41281	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014104	3_-_194855288_194855309	TACAGGTCTGTAGCCTGGGAGC	41282	hsa-miR-3137;Derives_from=MI0014160
NovelMiR_KnownLoci_ID0014105	3_+_195426331_195426347	CGAAAACAGCAATTACC	41283	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014106	3_+_195426331_195426348	CGAAAACAGCAATTACCT	41284	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014107	3_+_195426331_195426349	CGAAAACAGCAATTACCTT	41285	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014108	3_+_195426331_195426350	CGAAAACAGCAATTACCTTT	41286	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014109	3_+_195426331_195426351	CGAAAACAGCAATTACCTTTG	41287	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014110	3_+_195426331_195426353	CGAAAACAGCAATTACCTTTGCA	41288	hsa-miR-570-3p;Derives_from=MI0003577

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014111	3_+_195426331_195426354	CGAAAACAGCAATTACCTTTGCAC	41289	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014112	3_+_195426331_195426355	CGAAAACAGCAATTACCTTTGCACC	41290	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014113	3_+_195426332_195426351	GAAAACAGCAATTACCTTTG	41291	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014114	3_+_195426332_195426353	GAAAACAGCAATTACCTTTGCA	41292	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014115	3_+_195426332_195426355	GAAAACAGCAATTACCTTTGCACC	41293	hsa-miR-570-3p;Derives_from=MI0003577
NovelMiR_KnownLoci_ID0014116	3_-_195609197_195609219	TGCCTCCTCCGTGGCCTCAGGTG	41294	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014117	3_-_195609197_195609220	CTGCCTCCTCCGTGGCCTCAGGTG	41295	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014118	3_-_195609198_195609219	TGCCTCCTCCGTGGCCTCAGGT	41296	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014119	3_-_195609198_195609220	CTGCCTCCTCCGTGGCCTCAGGT	41297	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014120	3_-_195609198_195609221	CCTGCCTCCTCCGTGGCCTCAGGT	41298	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014121	3_-_195609199_195609219	TGCCTCCTCCGTGGCCTCAGG	41299	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014122	3_-_195609199_195609220	CTGCCTCCTCCGTGGCCTCAGG	41300	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014123	3_-_195609200_195609220	CTGCCTCCTCCGTGGCCTCAG	41301	hsa-miR-6829-3p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014124	3_-_195609237_195609261	TGGGCTGCTGAGAAGGGGCAGGGTC	41302	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014125	3_-_195609238_195609261	TGGGCTGCTGAGAAGGGGCAGGGT	41303	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014126	3_-_195609238_195609263	CGTGGGCTGCTGAGAAGGGGCAGGGT	41304	hsa-miR-6829-5p;Derives_from=MI0022674

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014127	3_-_195609239_195609261	TGGGCTGCTGAGAAGGGGCAGGG	41305	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014128	3_-_195609239_195609262	GTGGGCTGCTGAGAAGGGGCAGGG	41306	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014129	3_-_195609240_195609261	TGGGCTGCTGAGAAGGGGCAGG	41307	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014130	3_-_195609240_195609262	GTGGGCTGCTGAGAAGGGGCAGG	41308	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014131	3_-_195609241_195609261	TGGGCTGCTGAGAAGGGGCAG	41309	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014132	3_-_195609241_195609262	GTGGGCTGCTGAGAAGGGGCAG	41310	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014133	3_-_195609243_195609262	GTGGGCTGCTGAGAAGGGGC	41311	hsa-miR-6829-5p;Derives_from=MI0022674
NovelMiR_KnownLoci_ID0014134	3_-_197020755_197020778	CTCAGTAAGTGGCACTCTGTCTTC	41312	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014135	3_-_197020755_197020779	TCTCAGTAAGTGGCACTCTGTCTTC	41313	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014136	3_-_197020757_197020778	CTCAGTAAGTGGCACTCTGTCT	41314	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014137	3_-_197020757_197020779	TCTCAGTAAGTGGCACTCTGTCT	41315	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014138	3_-_197020758_197020778	CTCAGTAAGTGGCACTCTGTC	41316	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014139	3_-_197020758_197020779	TCTCAGTAAGTGGCACTCTGTC	41317	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014140	3_-_197020759_197020778	CTCAGTAAGTGGCACTCTGT	41318	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014141	3_-_197020760_197020779	TCTCAGTAAGTGGCACTCTG	41319	hsa-miR-4797-3p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014142	3_-_197020788_197020810	GACAGAGTGCCACTTACTGAAAG	41320	hsa-miR-4797-5p;Derives_from=MI0017444

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014143	3_-_197020789_197020810	GACAGAGTGCCACTTACTGAAA	41321	hsa-miR-4797-5p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014144	3_-_197020790_197020811	AGACAGAGTGCCACTTACTGAA	41322	hsa-miR-4797-5p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014145	3_-_197020790_197020812	AAGACAGAGTGCCACTTACTGAA	41323	hsa-miR-4797-5p;Derives_from=MI0017444
NovelMiR_KnownLoci_ID0014146	3_-_197401363_197401378	GGACTACGTCATGGGC	41324	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014147	3_-_197401363_197401383	GAATAGGACTACGTCATGGGC	41325	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014148	3_-_197401363_197401384	AGAATAGGACTACGTCATGGGC	41326	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014149	3_-_197401363_197401385	GAGAATAGGACTACGTCATGGGC	41327	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014150	3_-_197401368_197401389	AGCAGAGAATAGGACTACGTCA	41328	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014151	3_-_197401369_197401390	CAGCAGAGAATAGGACTACGTC	41329	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014152	3_-_197401371_197401393	AAGCAGCAGAGAATAGGACTACG	41330	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014153	3_-_197401372_197401395	AGAAGCAGCAGAGAATAGGACTAC	41331	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014154	3_-_197401373_197401395	AGAAGCAGCAGAGAATAGGACTA	41332	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014155	3_-_197401374_197401391	GCAGCAGAGAATAGGACT	41333	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014156	3_-_197401374_197401397	GGAGAAGCAGCAGAGAATAGGACT	41334	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014157	3_-_197401376_197401397	GGAGAAGCAGCAGAGAATAGGA	41335	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014158	3_-_197401381_197401397	GGAGAAGCAGCAGAGAA	41336	hsa-miR-922;Derives_from=MI0005714

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014159	3_-_197401382_197401397	GGAGAAGCAGCAGAGA	41337	hsa-miR-922;Derives_from=MI0005714
NovelMiR_KnownLoci_ID0014160	3_+_20179066_20179085	TGCCTAGGCTGAGACTGCAG	41338	hsa-miR-3135a;Derives_from=MI0014156
NovelMiR_KnownLoci_ID0014161	3_+_20179066_20179086	TGCCTAGGCTGAGACTGCAGT	41339	hsa-miR-3135a;Derives_from=MI0014156
NovelMiR_KnownLoci_ID0014162	3_+_20179066_20179088	TGCCTAGGCTGAGACTGCAGTGG	41340	hsa-miR-3135a;Derives_from=MI0014156
NovelMiR_KnownLoci_ID0014163	3_+_20179066_20179089	TGCCTAGGCTGAGACTGCAGTGGT	41341	hsa-miR-3135a;Derives_from=MI0014156
NovelMiR_KnownLoci_ID0014164	3_+_20179066_20179090	TGCCTAGGCTGAGACTGCAGTGGTG	41342	hsa-miR-3135a;Derives_from=MI0014156
NovelMiR_KnownLoci_ID0014165	3_-_24562900_24562921	CCGGTGAGCGCTCGCTGGCCTG	41343	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014166	3_-_24562900_24562922	CCCGGTGAGCGCTCGCTGGCCTG	41344	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014167	3_-_24562901_24562918	GTGAGCGCTCGCTGGCCT	41345	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014168	3_-_24562901_24562921	CCGGTGAGCGCTCGCTGGCCT	41346	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014169	3_-_24562902_24562917	TGAGCGCTCGCTGGCC	41347	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014170	3_-_24562902_24562918	GTGAGCGCTCGCTGGCC	41348	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014171	3_-_24562902_24562920	CGGTGAGCGCTCGCTGGCC	41349	hsa-miR-4792;Derives_from=MI0017439

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014172	3_-_24562902_24562921	CCGGTGAGCGCTCGCTGGCC	41350	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014173	3_-_24562902_24562922	CCCGGTGAGCGCTCGCTGGCC	41351	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014174	3_-_24562902_24562923	GCCCGGTGAGCGCTCGCTGGCC	41352	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014175	3_-_24562903_24562918	GTGAGCGCTCGCTGGC	41353	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014176	3_-_24562903_24562921	CCGGTGAGCGCTCGCTGGC	41354	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014177	3_-_24562903_24562923	GCCCGGTGAGCGCTCGCTGGC	41355	hsa-miR-4792;Derives_from=MI0017439
NovelMiR_KnownLoci_ID0014178	3_-_25706360_25706376	CAAGAGGGAGGTGACCG	41356	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014179	3_-_25706360_25706377	ACAAGAGGGAGGTGACCG	41357	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014180	3_-_25706360_25706378	GACAAGAGGGAGGTGACCG	41358	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014181	3_-_25706360_25706379	GGACAAGAGGGAGGTGACCG	41359	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014182	3_-_25706360_25706380	CGGACAAGAGGGAGGTGACCG	41360	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014183	3_-_25706360_25706381	CCGGACAAGAGGGAGGTGACCG	41361	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014184	3_-_25706360_25706382	GCCGGACAAGAGGGAGGTGACCG	41362	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014185	3_-_25706360_25706384	ATGCCGGACAAGAGGGAGGTGACCG	41363	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014186	3_-_25706360_25706385	TATGCCGGACAAGAGGGAGGTGACCG	41364	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014187	3_-_25706361_25706380	CGGACAAGAGGGAGGTGACC	41365	hsa-miR-4442;Derives_from=MI0016785

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014188	3_-_25706362_25706380	CGGACAAGAGGGAGGTGAC	41366	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014189	3_-_25706363_25706380	CGGACAAGAGGGAGGTGA	41367	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014190	3_-_25706363_25706382	GCCGGACAAGAGGGAGGTGA	41368	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014191	3_-_25706364_25706382	GCCGGACAAGAGGGAGGTG	41369	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014192	3_-_25706366_25706384	ATGCCGGACAAGAGGGAGG	41370	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014193	3_-_25706366_25706385	TATGCCGGACAAGAGGGAGG	41371	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014194	3_-_25706366_25706386	TTATGCCGGACAAGAGGGAGG	41372	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014195	3_-_25706366_25706388	TGTTATGCCGGACAAGAGGGAGG	41373	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014196	3_-_25706368_25706388	TGTTATGCCGGACAAGAGGGA	41374	hsa-miR-4442;Derives_from=MI0016785
NovelMiR_KnownLoci_ID0014197	3_-_31203200_31203220	ACACGCAACACACATATATAC	41375	hsa-miR-466;Derives_from=MI0014157
NovelMiR_KnownLoci_ID0014198	3_-_31203205_31203228	ATACACATACACGCAACACACATA	41376	hsa-miR-466;Derives_from=MI0014157
NovelMiR_KnownLoci_ID0014199	3_-_31203206_31203224	ACATACACGCAACACACAT	41377	hsa-miR-466;Derives_from=MI0014157
NovelMiR_KnownLoci_ID0014200	3_-_31203207_31203228	ATACACATACACGCAACACACA	41378	hsa-miR-466;Derives_from=MI0014157
NovelMiR_KnownLoci_ID0014201	3_-_31203207_31203229	CATACACATACACGCAACACACA	41379	hsa-miR-466;Derives_from=MI0014157
NovelMiR_KnownLoci_ID0014202	3_-_31203208_31203228	ATACACATACACGCAACACAC	41380	hsa-miR-466;Derives_from=MI0014157
NovelMiR_KnownLoci_ID0014203	3_-_31203209_31203228	ATACACATACACGCAACACA	41381	hsa-miR-466;Derives_from=MI0014157

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014204	3_-_32547791_32547815	AACCGCGATTACTCTTGCACGAACC	41382	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014205	3_-_32547792_32547815	AACCGCGATTACTCTTGCACGAAC	41383	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014206	3_-_32547793_32547816	AAACCGCGATTACTCTTGCACGAA	41384	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014207	3_-_32547794_32547814	ACCGCGATTACTCTTGCACGA	41385	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014208	3_-_32547794_32547815	AACCGCGATTACTCTTGCACGA	41386	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014209	3_-_32547794_32547816	AAACCGCGATTACTCTTGCACGA	41387	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014210	3_-_32547795_32547815	AACCGCGATTACTCTTGCACG	41388	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014211	3_-_32547796_32547818	CAAAACCGCGATTACTCTTGCAC	41389	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014212	3_-_32547797_32547815	AACCGCGATTACTCTTGCA	41390	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014213	3_-_32547798_32547818	CAAAACCGCGATTACTCTTGC	41391	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014214	3_-_32547798_32547819	CCAAAACCGCGATTACTCTTGC	41392	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014215	3_-_32547799_32547818	CAAAACCGCGATTACTCTTG	41393	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014216	3_-_32547801_32547818	CAAAACCGCGATTACTCT	41394	hsa-miR-548ay-3p;Derives_from=MI0022210
NovelMiR_KnownLoci_ID0014217	3_+_35785981_35786006	GGGGGGCCGATACACTGTACGAGAGT	41395	hsa-miR-128-2-5p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014218	3_+_35785982_35786002	GGGGGCCGATACACTGTACGA	41396	hsa-miR-128-2-5p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014219	3_+_35785982_35786003	GGGGGCCGATACACTGTACGAG	41397	hsa-miR-128-2-5p;Derives_from=MI0000727

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014220	3_+_35785982_35786005	GGGGGCCGATACACTGTACGAGAG	41398	hsa-miR-128-2-5p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014221	3_+_35786019_35786040	TCACAGTGAACCGGTCTCTTTC	41399	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014222	3_+_35786019_35786041	TCACAGTGAACCGGTCTCTTTCC	41400	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014223	3_+_35786019_35786042	TCACAGTGAACCGGTCTCTTTCCC	41401	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014224	3_+_35786019_35786043	TCACAGTGAACCGGTCTCTTTCCC T	41402	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014225	3_+_35786019_35786044	TCACAGTGAACCGGTCTCTTTCCC TA	41403	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014226	3_+_35786020_35786044	CACAGTGAACCGGTCTCTTTCCCT A	41404	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014227	3_+_35786021_35786040	ACAGTGAACCGGTCTCTTTC	41405	hsa-miR-128-3p;Derives_from=MI0000727
NovelMiR_KnownLoci_ID0014228	3_+_38010900_38010925	CTCGTTCAAGTAATCCAGGATAGG CT	41406	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014229	3_+_38010901_38010924	TCGTTCAAGTAATCCAGGATAGGC	41407	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014230	3_+_38010901_38010925	TCGTTCAAGTAATCCAGGATAGGC T	41408	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014231	3_+_38010902_38010923	CGTTCAAGTAATCCAGGATAGG	41409	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014232	3_+_38010902_38010925	CGTTCAAGTAATCCAGGATAGGCT	41410	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014233	3_+_38010903_38010925	GTTCAAGTAATCCAGGATAGGCT	41411	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014234	3_+_38010903_38010926	GTTCAAGTAATCCAGGATAGGCTG	41412	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014235	3_+_38010904_38010920	TTCAAGTAATCCAGGAT	41413	hsa-miR-26a-5p;Derives_from=MI0000083

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014236	3_+_38010904_38010921	TTCAAGTAATCCAGGATA	41414	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014237	3_+_38010904_38010924	TTCAAGTAATCCAGGATAGGC	41415	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014238	3_+_38010904_38010926	TTCAAGTAATCCAGGATAGGCTG	41416	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014239	3_+_38010904_38010928	TTCAAGTAATCCAGGATAGGCTGT G	41417	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014240	3_+_38010904_38010929	TTCAAGTAATCCAGGATAGGCTGT GC	41418	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014241	3_+_38010904_38010930	TTCAAGTAATCCAGGATAGGCTGT GCA	41419	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014242	3_+_38010904_38010931	TTCAAGTAATCCAGGATAGGCTGT GCAG	41420	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014243	3_+_38010905_38010925	TCAAGTAATCCAGGATAGGCT	41421	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014244	3_+_38010906_38010929	CAAGTAATCCAGGATAGGCTGTGC	41422	hsa-miR-26a-5p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014245	3_+_38010937_38010955	AATGGGCCTATTCTTGGTT	41423	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014246	3_+_38010940_38010961	GGGCCTATTCTTGGTTACTTGC	41424	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014247	3_+_38010940_38010962	GGGCCTATTCTTGGTTACTTGCA	41425	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014248	3_+_38010941_38010960	GGCCTATTCTTGGTTACTTG	41426	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014249	3_+_38010943_38010960	CCTATTCTTGGTTACTTG	41427	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014250	3_+_38010943_38010962	CCTATTCTTGGTTACTTGCA	41428	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014251	3_+_38010943_38010963	CCTATTCTTGGTTACTTGCAC	41429	hsa-miR-26a-1-3p;Derives_from=MI0000083

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014252	3_+_38010943_38010965	CCTATTCTTGGTTACTTGCACGG	41430	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014253	3_+_38010943_38010966	CCTATTCTTGGTTACTTGCACGGG	41431	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014254	3_+_38010944_38010964	CTATTCTTGGTTACTTGCACG	41432	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014255	3_+_38010944_38010965	CTATTCTTGGTTACTTGCACGG	41433	hsa-miR-26a-1-3p;Derives_from=MI0000083
NovelMiR_KnownLoci_ID0014256	3_+_39179699_39179719	GCCCAGGGAACCAGTTGGGGC	41434	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014257	3_+_39179700_39179718	CCCAGGGAACCAGTTGGGG	41435	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014258	3_+_39179700_39179719	CCCAGGGAACCAGTTGGGGC	41436	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014259	3_+_39179700_39179720	CCCAGGGAACCAGTTGGGGCT	41437	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014260	3_+_39179700_39179721	CCCAGGGAACCAGTTGGGGCTT	41438	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014261	3_+_39179700_39179722	CCCAGGGAACCAGTTGGGGCTTC	41439	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014262	3_+_39179700_39179723	CCCAGGGAACCAGTTGGGGCTTCC	41440	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014263	3_+_39179700_39179724	CCCAGGGAACCAGTTGGGGCTTCCG	41441	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014264	3_+_39179700_39179725	CCCAGGGAACCAGTTGGGGCTTCCGC	41442	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014265	3_+_39179701_39179720	CCAGGGAACCAGTTGGGGCT	41443	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014266	3_+_39179701_39179721	CCAGGGAACCAGTTGGGGCTT	41444	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014267	3_+_39179701_39179725	CCAGGGAACCAGTTGGGGCTTCCGC	41445	hsa-miR-6822-5p;Derives_from=MI0022667

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014268	3_+_39179702_39179717	CAGGGAACCAGTTGGG	41446	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014269	3_+_39179702_39179723	CAGGGAACCAGTTGGGGCTTCC	41447	hsa-miR-6822-5p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014270	3_+_39179728_39179744	TGCAGAGGCTCTAACTG	41448	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014271	3_+_39179733_39179754	AGGCTCTAACTGGCTTTCCCTG	41449	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014272	3_+_39179733_39179755	AGGCTCTAACTGGCTTTCCCTGC	41450	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014273	3_+_39179733_39179757	AGGCTCTAACTGGCTTTCCCTGCAG	41451	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014274	3_+_39179733_39179760	AGGCTCTAACTGGCTTTCCCTGCAGTCC	41452	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014275	3_+_39179736_39179756	CTCTAACTGGCTTTCCCTGCA	41453	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014276	3_+_39179736_39179758	CTCTAACTGGCTTTCCCTGCAGT	41454	hsa-miR-6822-3p;Derives_from=MI0022667
NovelMiR_KnownLoci_ID0014277	3_+_44155726_44155749	AGCTGGTGTTGTGAATCAGGCCGT	41455	hsa-miR-138-5p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014278	3_+_44155726_44155750	AGCTGGTGTTGTGAATCAGGCCGTT	41456	hsa-miR-138-5p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014279	3_+_44155726_44155751	AGCTGGTGTTGTGAATCAGGCCGTTG	41457	hsa-miR-138-5p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014280	3_+_44155726_44155752	AGCTGGTGTTGTGAATCAGGCCGTTGC	41458	hsa-miR-138-5p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014281	3_+_44155726_44155753	AGCTGGTGTTGTGAATCAGGCCGTTGCC	41459	hsa-miR-138-5p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014282	3_+_44155727_44155749	GCTGGTGTTGTGAATCAGGCCGT	41460	hsa-miR-138-5p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014283	3_+_44155764_44155782	CGGCTACTTCACAACACCA	41461	hsa-miR-138-1-3p;Derives_from=MI0000476

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014284	3_+_44155764_44155784	CGGCTACTTCACAACACCAGG	41462	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014285	3_+_44155764_44155785	CGGCTACTTCACAACACCAGGG	41463	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014286	3_+_44155764_44155786	CGGCTACTTCACAACACCAGGGC	41464	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014287	3_+_44155766_44155782	GCTACTTCACAACACCA	41465	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014288	3_+_44155766_44155784	GCTACTTCACAACACCAGG	41466	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014289	3_+_44155766_44155785	GCTACTTCACAACACCAGGG	41467	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014290	3_+_44155766_44155786	GCTACTTCACAACACCAGGGC	41468	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014291	3_+_44155766_44155788	GCTACTTCACAACACCAGGGCCA	41469	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014292	3_+_44155766_44155789	GCTACTTCACAACACCAGGGCCAC	41470	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014293	3_+_44155767_44155787	CTACTTCACAACACCAGGGCC	41471	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014294	3_+_44155771_44155793	TTCACAACACCAGGGCCACACCA	41472	hsa-miR-138-1-3p;Derives_from=MI0000476
NovelMiR_KnownLoci_ID0014295	3_+_44903389_44903405	GGTGCCAGGCACGGTGT	41473	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014296	3_+_44903389_44903406	GGTGCCAGGCACGGTGTC	41474	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014297	3_+_44903389_44903409	GGTGCCAGGCACGGTGTCAGC	41475	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014298	3_+_44903389_44903410	GGTGCCAGGCACGGTGTCAGCA	41476	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014299	3_+_44903389_44903412	GGTGCCAGGCACGGTGTCAGCAGG	41477	hsa-miR-564;Derives_from=MI0003570

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014300	3_+_44903390_44903412	GTGCCAGGCACGGTGTCAGCAGG	41478	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014301	3_+_44903392_44903412	GCCAGGCACGGTGTCAGCAGG	41479	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014302	3_+_44903394_44903419	CAGGCACGGTGTCAGCAGGCAACATG	41480	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014303	3_+_44903397_44903419	GCACGGTGTCAGCAGGCAACATG	41481	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014304	3_+_44903398_44903415	CACGGTGTCAGCAGGCAA	41482	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014305	3_+_44903398_44903417	CACGGTGTCAGCAGGCAACA	41483	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014306	3_+_44903400_44903419	CGGTGTCAGCAGGCAACATG	41484	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014307	3_+_44903401_44903419	GGTGTCAGCAGGCAACATG	41485	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014308	3_+_44903402_44903419	GTGTCAGCAGGCAACATG	41486	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014309	3_+_44903404_44903419	GTCAGCAGGCAACATG	41487	hsa-miR-564;Derives_from=MI0003570
NovelMiR_KnownLoci_ID0014310	3_+_47891045_47891066	GTGAGGGCATGCAGGCCTGGAT	41488	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014311	3_+_47891045_47891067	GTGAGGGCATGCAGGCCTGGATG	41489	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014312	3_+_47891045_47891068	GTGAGGGCATGCAGGCCTGGATGG	41490	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014313	3_+_47891045_47891069	GTGAGGGCATGCAGGCCTGGATGGG	41491	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014314	3_+_47891046_47891066	TGAGGGCATGCAGGCCTGGAT	41492	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014315	3_+_47891046_47891067	TGAGGGCATGCAGGCCTGGATG	41493	hsa-miR-1226-5p;Derives_from=MI0006313

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014316	3_+_47891046_47891068	TGAGGGCATGCAGGCCTGGATGG	41494	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014317	3_+_47891046_47891069	TGAGGGCATGCAGGCCTGGATGGG	41495	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014318	3_+_47891046_47891070	TGAGGGCATGCAGGCCTGGATGGG G	41496	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014319	3_+_47891046_47891071	TGAGGGCATGCAGGCCTGGATGGG GC	41497	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014320	3_+_47891047_47891070	GAGGGCATGCAGGCCTGGATGGGG	41498	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014321	3_+_47891047_47891072	GAGGGCATGCAGGCCTGGATGGGG CA	41499	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014322	3_+_47891048_47891070	AGGGCATGCAGGCCTGGATGGGG	41500	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014323	3_+_47891049_47891071	GGGCATGCAGGCCTGGATGGGGC	41501	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014324	3_+_47891051_47891070	GCATGCAGGCCTGGATGGGG	41502	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014325	3_+_47891052_47891070	CATGCAGGCCTGGATGGGG	41503	hsa-miR-1226-5p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014326	3_+_47891092_47891112	GTGGCCTCACCAGCCCTGTGT	41504	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014327	3_+_47891098_47891113	TCACCAGCCCTGTGTT	41505	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014328	3_+_47891098_47891114	TCACCAGCCCTGTGTTC	41506	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014329	3_+_47891098_47891116	TCACCAGCCCTGTGTTCCC	41507	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014330	3_+_47891098_47891117	TCACCAGCCCTGTGTTCCCT	41508	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014331	3_+_47891098_47891118	TCACCAGCCCTGTGTTCCCTA	41509	hsa-miR-1226-3p;Derives_from=MI0006313

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014332	3_+_47891098_47891120	TCACCAGCCCTGTGTTCCCTAGG	41510	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014333	3_+_47891098_47891121	TCACCAGCCCTGTGTTCCCTAGGG	41511	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014334	3_+_47891099_47891119	CACCAGCCCTGTGTTCCCTAG	41512	hsa-miR-1226-3p;Derives_from=MI0006313
NovelMiR_KnownLoci_ID0014335	3_+_48238060_48238077	GGTTGGAGGCGTGGGTTT	41513	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014336	3_+_48238060_48238078	GGTTGGAGGCGTGGGTTTT	41514	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014337	3_+_48238061_48238078	GTTGGAGGCGTGGGTTTT	41515	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014338	3_+_48238061_48238079	GTTGGAGGCGTGGGTTTTA	41516	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014339	3_+_48238062_48238077	TTGGAGGCGTGGGTTT	41517	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014340	3_+_48238062_48238079	TTGGAGGCGTGGGTTTTA	41518	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014341	3_+_48238062_48238082	TTGGAGCCGTGGGTTTTAGAA	41519	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014342	3_+_48238063_48238078	TGGAGGCGTGGGTTTT	41520	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014343	3_+_48238063_48238079	TGGAGGCGTGGGTTTTA	41521	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014344	3_+_48238063_48238080	TGGAGGCGTGGGTTTTAG	41522	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014345	3_+_48238063_48238084	TGGAGGCGTGGGTTTTAGAACC	41523	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014346	3_+_48238064_48238079	GGAGGCGTGGGTTTTA	41524	hsa-miR-4443;Derives_from=MI0016786
NovelMiR_KnownLoci_ID0014347	3_-_48357867_48357888	AGAATTCATGGAGGCTAGAAGC	41525	hsa-miR-2115-3p;Derives_from=MI0010634

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014348	3_-_48357867_48357892	CATCAGAATTCATGGAGGCTAGAAGC	41526	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014349	3_-_48357869_48357892	CATCAGAATTCATGGAGGCTAGAA	41527	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014350	3_-_48357870_48357891	ATCAGAATTCATGGAGGCTAGA	41528	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014351	3_-_48357870_48357892	CATCAGAATTCATGGAGGCTAGA	41529	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014352	3_-_48357871_48357891	ATCAGAATTCATGGAGGCTAG	41530	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014353	3_-_48357872_48357892	CATCAGAATTCATGGAGGCTA	41531	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014354	3_-_48357873_48357892	CATCAGAATTCATGGAGGCT	41532	hsa-miR-2115-3p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014355	3_-_48357906_48357929	AGCTTCCATGACTCCTGATGGAGG	41533	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014356	3_-_48357907_48357929	AGCTTCCATGACTCCTGATGGAG	41534	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014357	3_-_48357908_48357930	CAGCTTCCATGACTCCTGATGGA	41535	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014358	3_-_48357909_48357928	GCTTCCATGACTCCTGATGG	41536	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014359	3_-_48357909_48357929	AGCTTCCATGACTCCTGATGG	41537	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014360	3_-_48357909_48357930	CAGCTTCCATGACTCCTGATGG	41538	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014361	3_-_48357910_48357929	AGCTTCCATGACTCCTGATG	41539	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014362	3_-_48357910_48357930	CAGCTTCCATGACTCCTGATG	41540	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014363	3_-_48357911_48357929	AGCTTCCATGACTCCTGAT	41541	hsa-miR-2115-5p;Derives_from=MI0010634

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014364	3_-_48357912_48357929	AGCTTCCATGACTCCTGA	41542	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014365	3_-_48357913_48357929	AGCTTCCATGACTCCTG	41543	hsa-miR-2115-5p;Derives_from=MI0010634
NovelMiR_KnownLoci_ID0014366	3_-_48587391_48587414	TGAGCCTCTCCTTCCCTCCAGAGT	41544	hsa-miR-6823-3p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014367	3_-_48587392_48587414	TGAGCCTCTCCTTCCCTCCAGAG	41545	hsa-miR-6823-3p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014368	3_-_48587393_48587414	TGAGCCTCTCCTTCCCTCCAGA	41546	hsa-miR-6823-3p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014369	3_-_48587393_48587415	CTGAGCCTCTCCTTCCCTCCAGA	41547	hsa-miR-6823-3p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014370	3_-_48587395_48587414	TGAGCCTCTCCTTCCCTCCA	41548	hsa-miR-6823-3p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014371	3_-_48587426_48587449	TCAGGGTTGGTAGGGGTTGCTGTT	41549	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014372	3_-_48587427_48587449	TCAGGGTTGGTAGGGGTTGCTGT	41550	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014373	3_-_48587428_48587449	TCAGGGTTGGTAGGGGTTGCTG	41551	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014374	3_-_48587430_48587449	TCAGGGTTGGTAGGGGTTGC	41552	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014375	3_-_48587431_48587449	TCAGCGTTGGTAGGGGTTG	41553	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014376	3_-_48587431_48587451	GGTCAGGGTTGGTAGGGGTTC	41554	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014377	3_-_48587433_48587449	TCAGGGTTGGTAGGGGT	41555	hsa-miR-6823-5p;Derives_from=MI0022668
NovelMiR_KnownLoci_ID0014378	3_-_48616347_48616365	ACCCAGGGAGAGACGTAAG	41556	hsa-miR-711;Derives_from=MI0012488
NovelMiR_KnownLoci_ID0014379	3_-_48616348_48616365	ACCCAGGGAGAGACGTAA	41557	hsa-miR-711;Derives_from=MI0012488

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014380	3_-_48671065_48671090	CTCTCTGGTCTTGCCACCCCAGACCG	41558	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014381	3_-_48671066_48671086	CTGGTCTTGCCACCCCAGACC	41559	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014382	3_-_48671066_48671089	TCTCTGGTCTTGCCACCCCAGACC	41560	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014383	3_-_48671066_48671090	CTCTCTGGTCTTGCCACCCCAGACC	41561	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014384	3_-_48671067_48671089	TCTCTGGTCTTGCCACCCCAGAC	41562	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014385	3_-_48671067_48671090	CTCTCTGGTCTTGCCACCCCAGAC	41563	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014386	3_-_48671068_48671087	TCTGGTCTTGCCACCCCAGA	41564	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014387	3_-_48671068_48671089	TCTCTGGTCTTGCCACCCCAGA	41565	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014388	3_-_48671068_48671090	CTCTCTGGTCTTGCCACCCCAGA	41566	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014389	3_-_48671069_48671090	CTCTCTGGTCTTGCCACCCCAG	41567	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014390	3_-_48671072_48671089	TCTCTGGTCTTGCCACCC	41568	hsa-miR-6824-3p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014391	3_-_48671100_48671124	AGGGGAGGTTGGGCCAGGGATGCCT	41569	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014392	3_-_48671102_48671124	AGGGGAGGTTGGGCCAGGGATGC	41570	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014393	3_-_48671102_48671125	TAGGGGAGGTTGGGCCAGGGATGC	41571	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014394	3_-_48671103_48671124	AGGGGAGGTTGGGCCAGGGATG	41572	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014395	3_-_48671103_48671125	TAGGGGAGGTTGGGCCAGGGATG	41573	hsa-miR-6824-5p;Derives_from=MI0022669

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014396	3_-_48671104_48671124	AGGGGAGGTTGGGCCAGGGAT	41574	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014397	3_-_48671104_48671125	TAGGGGAGGTTGGGCCAGGGAT	41575	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014398	3_-_48671105_48671125	TAGGGGAGGTTGGGCCAGGGA	41576	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014399	3_-_48671105_48671127	TGTAGGGGAGGTTGGGCCAGGGA	41577	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014400	3_-_48671106_48671125	TAGGGGAGGTTGGGCCAGGG	41578	hsa-miR-6824-5p;Derives_from=MI0022669
NovelMiR_KnownLoci_ID0014401	3_-_48681633_48681656	TCTGCACTGTGAGTTGGCTGGCTG	41579	hsa-miR-4793-3p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014402	3_-_48681634_48681655	CTGCACTGTGAGTTGGCTGGCT	41580	hsa-miR-4793-3p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014403	3_-_48681635_48681656	TCTGCACTGTGAGTTGGCTGGC	41581	hsa-miR-4793-3p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014404	3_-_48681636_48681656	TCTGCACTGTGAGTTGGCTGG	41582	hsa-miR-4793-3p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014405	3_-_48681637_48681656	TCTGCACTGTGAGTTGGCTG	41583	hsa-miR-4793-3p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014406	3_-_48681666_48681684	CACAGGGCAGAGGGAGGCC	41584	hsa-miR-4793-5p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014407	3_-_48681667_48681694	CATCCTGCTCCACAGGGCAGAGGCAGGC	41585	hsa-miR-4793-5p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014408	3_-_48681673_48681695	ACATCCTGCTCCACAGGGCAGAG	41586	hsa-miR-4793-5p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014409	3_-_48681674_48681695	ACATCCTGCTCCACAGGGCAGA	41587	hsa-miR-4793-5p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014410	3_-_48681677_48681695	ACATCCTGCTCCACAGGGC	41588	hsa-miR-4793-5p;Derives_from=MI0017440
NovelMiR_KnownLoci_ID0014411	3_-_49057590_49057613	ATCGGGAATGTCGTGTCCGCCCAG	41589	hsa-miR-425-3p;Derives_from=MI0001448

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014412	3_-_49057591_49057613	ATCGGGAATGTCGTGTCCGCCCA	41590	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014413	3_-_49057592_49057614	CATCGGGAATGTCGTGTCCGCCC	41591	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014414	3_-_49057593_49057613	ATCGGGAATGTCGTGTCCGCC	41592	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014415	3_-_49057593_49057614	CATCGGGAATGTCGTGTCCGCC	41593	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014416	3_-_49057594_49057613	ATCGGGAATGTCGTGTCCGC	41594	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014417	3_-_49057594_49057614	CATCGGGAATGTCGTGTCCGC	41595	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014418	3_-_49057594_49057615	CCATCGGGAATGTCGTGTCCGC	41596	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014419	3_-_49057595_49057613	ATCGGGAATGTCGTGTCCG	41597	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014420	3_-_49057595_49057614	CATCGGGAATGTCGTGTCCG	41598	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014421	3_-_49057596_49057613	ATCGGGAATGTCGTGTCC	41599	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014422	3_-_49057596_49057614	CATCGGGAATGTCGTGTCC	41600	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014423	3_-_49057597_49057613	ATCGGGAATGTCGTGTC	41601	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014424	3_-_49057597_49057614	CATCGGGAATGTCGTGTC	41602	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014425	3_-_49057598_49057614	CATCGGGAATGTCGTGT	41603	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014426	3_-_49057599_49057614	CATCGGGAATGTCGTG	41604	hsa-miR-425-3p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014427	3_-_49057628_49057653	ATGACACGATCACTCCCGTTGAGTGG	41605	hsa-miR-425-5p;Derives_from=MI0001448

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014428	3_-_49057630_49057654	AATGACACGATCACTCCCGTTGAGT	41606	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014429	3_-_49057631_49057654	AATGACACGATCACTCCCGTTGAG	41607	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014430	3_-_49057632_49057653	ATGACACGATCACTCCCGTTGA	41608	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014431	3_-_49057633_49057654	AATGACACGATCACTCCCGTTG	41609	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014432	3_-_49057634_49057654	AATGACACGATCACTCCCGTT	41610	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014433	3_-_49057635_49057654	AATGACACGATCACTCCCGT	41611	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014434	3_-_49057636_49057654	AATGACACGATCACTCCCG	41612	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014435	3_-_49057637_49057654	AATGACACGATCACTCCC	41613	hsa-miR-425-5p;Derives_from=MI0001448
NovelMiR_KnownLoci_ID0014436	3_-_49058061_49058084	CTGCGCTTGGATTTCGTCCCCTGC	41614	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014437	3_-_49058062_49058084	CTGCGCTTGGATTTCGTCCCCTG	41615	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014438	3_-_49058063_49058084	CTGCGCTTGGATTTCGTCCCCT	41616	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014439	3_-_49058063_49058085	GCTGCGCTTGGATTTCGTCCCCT	41617	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014440	3_-_49058064_49058084	CTGCGCTTGGATTTCGTCCCC	41618	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014441	3_-_49058065_49058084	CTGCGCTTGGATTTCGTCCC	41619	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014442	3_-_49058065_49058085	GCTGCGCTTGGATTTCGTCCC	41620	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014443	3_-_49058066_49058084	CTGCGCTTGGATTTCGTCC	41621	hsa-miR-191-3p;Derives_from=MI0000465

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014444	3_-_49058066_49058085	GCTGCGCTTGGATTTCGTCC	41622	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014445	3_-_49058067_49058085	GCTGCGCTTGGATTTCGTC	41623	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014446	3_-_49058068_49058084	CTGCGCTTGGATTTCGT	41624	hsa-miR-191-3p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014447	3_-_49058102_49058127	CAACGGAATCCCAAAAGCAGCTGTTG	41625	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014448	3_-_49058103_49058127	CAACGGAATCCCAAAAGCAGCTGTT	41626	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014449	3_-_49058104_49058127	CAACGGAATCCCAAAAGCAGCTGT	41627	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014450	3_-_49058105_49058126	AACGGAATCCCAAAAGCAGCTG	41628	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014451	3_-_49058106_49058127	CAACGGAATCCCAAAAGCAGCT	41629	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014452	3_-_49058107_49058127	CAACGGAATCCCAAAAGCAGC	41630	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014453	3_-_49058108_49058127	CAACGGAATCCCAAAAGCAG	41631	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014454	3_-_49058109_49058127	CAACGGAATCCCAAAAGCA	41632	hsa-miR-191-5p;Derives_from=MI0000465
NovelMiR_KnownLoci_ID0014455	3_-_49137284_49137306	CCACTGCCTATGCCCCACAGGTG	41633	hsa-miR-6890-3p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014456	3_-_49137285_49137306	CCACTGCCTATGCCCCACAGGT	41634	hsa-miR-6890-3p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014457	3_-_49137285_49137307	CCCACTGCCTATGCCCCACAGGT	41635	hsa-miR-6890-3p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014458	3_-_49137286_49137307	CCCACTGCCTATGCCCCACAGG	41636	hsa-miR-6890-3p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014459	3_-_49137287_49137307	CCCACTGCCTATGCCCCACAG	41637	hsa-miR-6890-3p;Derives_from=MI0022737

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014460	3_-_49137316_49137342	CATGGGGTAGGCCAGAGTAGGGCTGGA	41638	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014461	3_-_49137318_49137343	CCATGGGGTAGGGCAGAGTAGGGCTG	41639	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014462	3_-_49137319_49137341	ATGGGGTAGGGCAGAGTAGGGCT	41640	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014463	3_-_49137319_49137342	CATGGGGTAGGGCAGAGTAGGGCT	41641	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014464	3_-_49137320_49137341	ATGGGGTAGGGCAGAGTAGGGC	41642	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014465	3_-_49137320_49137342	CATGGGGTAGGGCAGAGTAGGGC	41643	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014466	3_-_49137321_49137342	CATGGGGTAGGGCAGAGTAGGG	41644	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014467	3_-_49137322_49137341	ATGGGGTAGGGCAGAGTAGG	41645	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014468	3_-_49137322_49137343	CCATGGGGTAGGGCAGAGTAGG	41646	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014469	3_-_49137323_49137342	CATGGGGTAGGGCAGAGTAG	41647	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014470	3_-_49137325_49137345	GGCCATGGGGTAGGGCAGAGT	41648	hsa-miR-6890-5p;Derives_from=MI0022737
NovelMiR_KnownLoci_ID0014471	3_-_49843592_49843613	TCTACCTCATCCCAGTTCCATC	41649	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014472	3_-_49843592_49843616	TCCTCTACCTCATCCCAGTTCCATC	41650	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014473	3_-_49843593_49843616	TCCTCTACCTCATCCCAGTTCCAT	41651	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014474	3_-_49843593_49843619	TCCTCCTCTACCTCATCCCAGTTCCAT	41652	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014475	3_-_49843594_49843616	TCCTCTACCTCATCCCAGTTCCA	41653	hsa-miR-5193;Derives_from=MI0018172

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014476	3_-_49843595_49843616	TCCTCTACCTCATCCCAGTTCC	41654	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014477	3_-_49843596_49843616	TCCTCTACCTCATCCCAGTTC	41655	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014478	3_-_49843596_49843617	CTCCTCTACCTCATCCCAGTTC	41656	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014479	3_-_49843596_49843618	CCTCCTCTACCTCATCCCAGTTC	41657	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014480	3_-_49843596_49843619	TCCTCCTCTACCTCATCCCAGTTC	41658	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014481	3_-_49843597_49843617	CTCCTCTACCTCATCCCAGTT	41659	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014482	3_-_49843597_49843618	CCTCCTCTACCTCATCCCAGTT	41660	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014483	3_-_49843597_49843619	TCCTCCTCTACCTCATCCCAGTT	41661	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014484	3_-_49843598_49843618	CCTCCTCTACCTCATCCCAGT	41662	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014485	3_-_49843598_49843620	CTCCTCCTCTACCTCATCCCAGT	41663	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014486	3_-_49843599_49843619	TCCTCCTCTACCTCATCCCAG	41664	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014487	3_-_49843600_49843618	CCTCCTCTACCTCATCCCA	41665	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014488	3_-_49843600_49843619	TCCTCCTCTACCTCATCCCA	41666	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014489	3_-_49843601_49843619	TCCTCCTCTACCTCATCCC	41667	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014490	3_-_49843601_49843625	TCTGACTCCTCCTCTACCTCATCCC	41668	hsa-miR-5193;Derives_from=MI0018172
NovelMiR_KnownLoci_ID0014491	3_+_50264864_50264882	AGGCGGGGGCTGGGGCGCG	41669	hsa-miR-5787;Derives_from=MI0019797

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014492	3_+_50310666_50310681	CGTGGGTCTCGCATCA	41670	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014493	3_+_50310666_50310683	CGTGGGTCTCGCATCAGG	41671	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014494	3_+_50310670_50310690	GGTCTCGCATCAGGAGGCAAG	41672	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014495	3_+_50310672_50310690	TCTCGCATCAGGAGGCAAG	41673	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014496	3_+_50310672_50310692	TCTCGCATCAGGAGGCAAGGC	41674	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014497	3_+_50310672_50310693	TCTCGCATCAGGAGGCAAGGCC	41675	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014498	3_+_50310672_50310694	TCTCGCATCAGGAGGCAAGGCCA	41676	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014499	3_+_50310672_50310695	TCTCGCATCAGGAGGCAAGGCCAG	41677	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014500	3_+_50310672_50310696	TCTCGCATCAGGAGGCAAGGCCAGG	41678	hsa-miR-6872-5p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014501	3_+_50310705_50310724	ACCCATGCCTCCTGCCGCGG	41679	hsa-miR-6872-3p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014502	3_+_50310705_50310727	ACCCATGCCTCCTGCCGCGGTCA	41680	hsa-miR-6872-3p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014503	3_+_50310706_50310725	CCCATGCCTCCTGCCGCGGT	41681	hsa-miR-6872-3p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014504	3_+_50310706_50310727	CCCATGCCTCCTGCCGCGGTCA	41682	hsa-miR-6872-3p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014505	3_+_50310708_50310729	CATGCCTCCTGCCGCGGTCAGA	41683	hsa-miR-6872-3p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014506	3_+_50310709_50310729	ATGCCTCCTGCCGCGGTCAGA	41684	hsa-miR-6872-3p;Derives_from=MI0022719
NovelMiR_KnownLoci_ID0014507	3_+_50310709_50310731	ATGCCTCCTGCCGCGGTCAGAGC	41685	hsa-miR-6872-3p;Derives_from=MI0022719

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014508	3_+_50712524_50712544	GCGGGGGTGGCGGCGGCATCC	41686	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014509	3_+_50712524_50712547	GCGGGGGTGGCGGCGGCATCCCGG	41687	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014510	3_+_50712526_50712543	GGGGGTGGCGGCGGCATC	41688	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014511	3_+_50712527_50712543	GGGGTGGCGGCGGCATC	41689	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014512	3_+_50712528_50712543	GGGTGGCGGCGGCATC	41690	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014513	3_+_50712533_50712548	GCGGCGGCATCCCGGA	41691	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014514	3_+_50712534_50712549	CGGCGGCATCCCGGAC	41692	hsa-miR-4787-5p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014515	3_+_50712561_50712577	GATGCGCCGCCCACTGC	41693	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014516	3_+_50712561_50712578	GATGCGCCGCCCACTGCC	41694	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014517	3_+_50712561_50712579	GATGCGCCGCCCACTGCCC	41695	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014518	3_+_50712561_50712580	GATGCGCCGCCCACTGCCCC	41696	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014519	3_+_50712561_50712581	GATGCGCCGCCCACTGCCCCG	41697	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014520	3_+_50712561_50712582	GATGCGCCGCCCACTGCCCCGC	41698	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014521	3_+_50712561_50712583	GATGCGCCGCCCACTGCCCCGCG	41699	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014522	3_+_50712561_50712585	GATGCGCCGCCCACTGCCCCGCGC C	41700	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014523	3_+_50712564_50712581	GCGCCGCCCCACTGCCCCG	41701	hsa-miR-4787-3p;Derives_from=MI0017434

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014524	3_+_50712564_50712582	GCGCCGCCCACTGCCCCGC	41702	hsa-miR-4787-3p;Derives_from=MI0017434
NovelMiR_KnownLoci_ID0014525	3_-_52302291_52302316	CTGTACAGGCCACTGCCTTGCCAGGA	41703	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014526	3_-_52302291_52302317	ACTGTACAGGCCACTGCCTTGCCAGGA	41704	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014527	3_-_52302292_52302316	CTGTACAGGCCACTGCCTTGCCAGG	41705	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014528	3_-_52302293_52302316	CTGTACAGGCCACTGCCTTGCCAG	41706	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014529	3_-_52302294_52302316	CTGTACAGGCCACTGCCTTGCCA	41707	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014530	3_-_52302294_52302317	ACTGTACAGGCCACTGCCTTGCCA	41708	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014531	3_-_52302295_52302316	CTGTACAGGCCACTGCCTTGCC	41709	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014532	3_-_52302296_52302317	ACTGTACAGGCCACTGCCTTGC	41710	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014533	3_-_52302296_52302318	AACTGTACAGGCCACTGCCTTGC	41711	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014534	3_-_52302297_52302316	CTGTACAGGCCACTGCCTTG	41712	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014535	3_-_52302298_52302316	CTGTACAGGCCACTGCCTT	41713	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014536	3_-_52302298_52302318	AACTGTACAGGCCACTGCCTT	41714	hsa-let-7g-3p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014537	3_-_52302347_52302373	TGAGGTAGTAGTTTGTACAGTTTGAGG	41715	hsa-let-7g-5p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014538	3_-_52302348_52302373	TGAGGTAGTAGTTTGTACAGTTTGAG	41716	hsa-let-7g-5p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014539	3_-_52302350_52302373	TGAGGTAGTAGTTTGTACAGTTTG	41717	hsa-let-7g-5p;Derives_from=MI0000433

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014540	3_-_52302351_52302373	TGAGGTAGTAGTTTGTACAGTTT	41718	hsa-let-7g-5p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014541	3_-_52302353_52302373	TGAGGTAGTAGTTTGTACAGT	41719	hsa-let-7g-5p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014542	3_-_52302353_52302374	CTGAGGTAGTAGTTTGTACAGT	41720	hsa-let-7g-5p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014543	3_-_52302354_52302373	TGAGGTAGTAGTTTGTACAG	41721	hsa-let-7g-5p;Derives_from=MI0000433
NovelMiR_KnownLoci_ID0014544	3_-_52328246_52328269	TATAGGGATTGGAGCCGTGGCGCA	41722	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014545	3_-_52328247_52328269	TATAGGGATTGGAGCCGTGGCGC	41723	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014546	3_-_52328247_52328270	ATATAGGGATTGGAGCCGTGGCGC	41724	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014547	3_-_52328248_52328270	ATATAGGGATTGGAGCCGTGGCG	41725	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014548	3_-_52328249_52328269	TATAGGGATTGGAGCCGTGGC	41726	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014549	3_-_52328249_52328270	ATATAGGGATTGGAGCCGTGGC	41727	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014550	3_-_52328250_52328269	TATAGGGATTGGAGCCGTGG	41728	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014551	3_-_52328250_52328270	ATATAGGGATTGGAGCCGTGG	41729	hsa-miR-135a-3p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014552	3_-_52328281_52328307	ATGGCTTTTTATTCCTATGTGATTCTA	41730	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014553	3_-_52328281_52328308	TATGGCTTTTTATTCCTATGTGATTCTA	41731	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014554	3_-_52328282_52328308	TATGGCTTTTTATTCCTATGTGATTCT	41732	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014555	3_-_52328283_52328306	TGGCTTTTTATTCCTATGTGATTC	41733	hsa-miR-135a-5p;Derives_from=MI0000452

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014556	3_-_52328283_52328308	TATGGCTTTTTATTCCTATGTGATTC	41734	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014557	3_-_52328284_52328308	TATGGCTTTTTATTCCTATGTGATT	41735	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014558	3_-_52328284_52328309	CTATGGCTTTTTATTCCTATGTGATT	41736	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014559	3_-_52328286_52328309	CTATGGCTTTTTATTCCTATGTGA	41737	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014560	3_-_52328287_52328308	TATGGCTTTTTATTCCTATGTG	41738	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014561	3_-_52328287_52328309	CTATGGCTTTTTATTCCTATGTG	41739	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014562	3_-_52328288_52328308	TATGGCTTTTTATTCCTATGT	41740	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014563	3_-_52328289_52328308	TATGGCTTTTTATTCCTATG	41741	hsa-miR-135a-5p;Derives_from=MI0000452
NovelMiR_KnownLoci_ID0014564	3_-_52880533_52880550	GAGCGAGCGGACATCCTT	41742	hsa-miR-8064;Derives_from=MI0025900
NovelMiR_KnownLoci_ID0014565	3_-_52880533_52880551	TGAGCGAGCGGACATCCTT	41743	hsa-miR-8064;Derives_from=MI0025900
NovelMiR_KnownLoci_ID0014566	3_-_52880533_52880552	CTGAGCGAGCGGACATCCTT	41744	hsa-miR-8064;Derives_from=MI0025900
NovelMiR_KnownLoci_ID0014567	3_-_52880536_52880554	CACTGAGCGAGCGGACATC	41745	hsa-miR-8064;Derives_from=MI0025900
NovelMiR_KnownLoci_ID0014568	3_-_5291869_5291891	AAACATGAATGGTAAAGCGATGT	41746	hsa-miR-4790-3p;Derives_from=MI0017437
NovelMiR_KnownLoci_ID0014569	3_-_5291870_5291891	AAACATGAATGGTAAAGCGATG	41747	hsa-miR-4790-3p;Derives_from=MI0017437
NovelMiR_KnownLoci_ID0014570	3_-_5291910_5291931	ATCGCTTTACCATTCATGTTCA	41748	hsa-miR-4790-5p;Derives_from=MI0017437
NovelMiR_KnownLoci_ID0014571	3_-_5291911_5291931	ATCGCTTTACCATTCATGTTC	41749	hsa-miR-4790-5p;Derives_from=MI0017437

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014572	3_-_5291911_5291932	CATCGCTTTACCATTCATGTTC	41750	hsa-miR-4790-5p;Derives_from=MI0017437
NovelMiR_KnownLoci_ID0014573	3_-_55886542_55886563	ATTCCCTTGTAGATAACCCGGT	41751	hsa-miR-3938;Derives_from=MI0016594
NovelMiR_KnownLoci_ID0014574	3_-_55886542_55886564	AATTCCCTTGTAGATAACCCGGT	41752	hsa-miR-3938;Derives_from=MI0016594
NovelMiR_KnownLoci_ID0014575	3_-_55886543_55886560	CCCTTGTAGATAACCCGG	41753	hsa-miR-3938;Derives_from=MI0016594
NovelMiR_KnownLoci_ID0014576	3_-_55886543_55886563	ATTCCCTTGTAGATAACCCGG	41754	hsa-miR-3938;Derives_from=MI0016594
NovelMiR_KnownLoci_ID0014577	3_-_55886544_55886564	AATTCCCTTGTAGATAACCCG	41755	hsa-miR-3938;Derives_from=MI0016594
NovelMiR_KnownLoci_ID0014578	3_+_67275922_67275940	AGCATTCAACTAGTGATTG	41756	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014579	3_+_67275922_67275941	AGCATTCAACTAGTGATTGT	41757	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014580	3_+_67275922_67275942	AGCATTCAACTAGTGATTGTG	41758	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014581	3_+_67275922_67275943	AGCATTCAACTAGTGATTGTGT	41759	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014582	3_+_67275922_67275944	AGCATTCAACTAGTGATTGTGTT	41760	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014583	3_+_67275922_67275945	AGCATTCAACTAGTGATTGTGTTA	41761	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014584	3_+_67275924_67275945	CATTCAACTAGTGATTGTGTTA	41762	hsa-miR-4272;Derives_from=MI0015880
NovelMiR_KnownLoci_ID0014585	3_-_69098111_69098133	CAACCTATTCAGTTAGTTCCATA	41763	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014586	3_-_69098113_69098140	CATGGCCCAACCTATTCAGTTAGTTCCA	41764	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014587	3_-_69098115_69098138	TGGCCCAACCTATTCAGTTAGTTC	41765	hsa-miR-3136-3p;Derives_from=MI0014158

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014588	3_-_69098116_69098137	GGCCCAACCTATTCAGTTAGTT	41766	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014589	3_-_69098116_69098138	TGGCCCAACCTATTCAGTTAGTT	41767	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014590	3_-_69098117_69098137	GGCCCAACCTATTCAGTTAGT	41768	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014591	3_-_69098118_69098138	TGGCCCAACCTATTCAGTTAG	41769	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014592	3_-_69098120_69098138	TGGCCCAACCTATTCAGTT	41770	hsa-miR-3136-3p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014593	3_-_69098151_69098177	CTGACTGAATAGGTAGGGTCATTTTTC	41771	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014594	3_-_69098153_69098177	CTGACTGAATAGGTAGGGTCATTTT	41772	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014595	3_-_69098154_69098177	CTGACTGAATAGGTAGGGTCATTT	41773	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014596	3_-_69098155_69098176	TGACTGAATAGGTAGGGTCATT	41774	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014597	3_-_69098156_69098177	CTGACTGAATAGGTAGGGTCAT	41775	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014598	3_-_69098157_69098177	CTGACTGAATAGGTAGGGTCA	41776	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014599	3_-_69098158_69098177	CTGACTGAATAGGTAGGGTC	41777	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014600	3_-_69098159_69098177	CTGACTGAATAGGTAGGGT	41778	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014601	3_-_69098160_69098177	CTGACTGAATAGGTAGGG	41779	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014602	3_-_69098161_69098177	CTGACTGAATAGGTAGG	41780	hsa-miR-3136-5p;Derives_from=MI0014158
NovelMiR_KnownLoci_ID0014603	3_-_71591189_71591209	TATACAGACCCTGGCTTTTCT	41781	hsa-miR-1284;Derives_from=MI0006431

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014604	3_-_71591189_71591210	CTATACAGACCCTGGCTTTTCT	41782	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014605	3_-_71591189_71591211	TCTATACAGACCCTGGCTTTTCT	41783	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014606	3_-_71591190_71591210	CTATACAGACCCTGGCTTTTC	41784	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014607	3_-_71591191_71591210	CTATACAGACCCTGGCTTTT	41785	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014608	3_-_71591191_71591211	TCTATACAGACCCTGGCTTTT	41786	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014609	3_-_71591192_71591211	TCTATACAGACCCTGGCTTT	41787	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014610	3_-_71591193_71591211	TCTATACAGACCCTGGCTT	41788	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014611	3_-_71591195_71591211	TCTATACAGACCCTGGC	41789	hsa-miR-1284;Derives_from=MI0006431
NovelMiR_KnownLoci_ID0014612	3_+_75787437_75787457	GTGTGTGTTCTCTGATGGACA	41790	hsa-miR-4273;Derives_from=MI0015881
NovelMiR_KnownLoci_ID0014613	3_+_75787437_75787458	GTGTGTGTTCTCTGATGGACAG	41791	hsa-miR-4273;Derives_from=MI0015881
NovelMiR_KnownLoci_ID0014614	3_+_75787437_75787459	GTGTGTGTTCTCTGATGGACAGT	41792	hsa-miR-4273;Derives_from=MI0015881
NovelMiR_KnownLoci_ID0014615	3_+_79557087_79557107	AACTAGTAATGTTGGATTAGG	41793	hsa-miR-3923;Derives_from=MI0016430
NovelMiR_KnownLoci_ID0014616	3_+_79557087_79557109	AACTAGTAATGTTGGATTAGGGC	41794	hsa-miR-3923;Derives_from=MI0016430
NovelMiR_KnownLoci_ID0014617	3_+_79557087_79557111	AACTAGTAATGTTGGATTAGGGCTC	41795	hsa-miR-3923;Derives_from=MI0016430
NovelMiR_KnownLoci_ID0014618	3_+_79557087_79557114	AACTAGTAATGTTGGATTAGGGCTCACT	41796	hsa-miR-3923;Derives_from=MI0016430
NovelMiR_KnownLoci_ID0014619	3_+_85434911_85434930	TAACAAACACCTGTAAAACA	41797	hsa-miR-5688;Derives_from=MI0019292

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014620	3_+_85434911_85434931	TAACAAACACCTGTAAAACAG	41798	hsa-miR-5688;Derives_from=MI0019292
NovelMiR_KnownLoci_ID0014621	3_+_85434911_85434933	TAACAAACACCTGTAAAACAGCA	41799	hsa-miR-5688;Derives_from=MI0019292
NovelMiR_KnownLoci_ID0014622	3_-_87275354_87275376	ATGTCAATATTATTAGCCACTTC	41800	hsa-miR-4795-3p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014623	3_-_87275355_87275376	ATGTCAATATTATTAGCCACTT	41801	hsa-miR-4795-3p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014624	3_-_87275356_87275376	ATGTCAATATTATTAGCCACT	41802	hsa-miR-4795-3p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014625	3_-_87275357_87275376	ATGTCAATATTATTAGCCAC	41803	hsa-miR-4795-3p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014626	3_-_87275358_87275376	ATGTCAATATTATTAGCCA	41804	hsa-miR-4795-3p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014627	3_-_87275359_87275376	ATGTCAATATTATTAGCC	41805	hsa-miR-4795-3p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014628	3_-_87275384_87275405	TGGCTAATAATATTGACACTAT	41806	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014629	3_-_87275385_87275405	TGGCTAATAATATTGACACTA	41807	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014630	3_-_87275386_87275405	TGGCTAATAATATTGACACT	41808	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014631	3_-_87275386_87275406	GTGGCTAATAATATTGACACT	41809	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014632	3_-_87275386_87275407	AGTGGCTAATAATATTGACACT	41810	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014633	3_-_87275387_87275407	AGTGGCTAATAATATTGACAC	41811	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014634	3_-_87275388_87275408	AAGTGGCTAATAATATTGACA	41812	hsa-miR-4795-5p;Derives_from=MI0017442
NovelMiR_KnownLoci_ID0014635	3_-_99683169_99683189	TCTGAGTACCATATGCCTTGT	41813	hsa-miR-3921;Derives_from=MI0016428

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014636	3_-_99683179_99683197	CCTAAGTCTCTGAGTACCA	41814	hsa-miR-3921;Derives_from=MI0016428
NovelMiR_KnownLoci_ID0014637	4_-_10080240_10080262	AGTGAGGTAGAGGGAGTGCCGAG	41815	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014638	4_-_10080240_10080264	ACAGTGAGGTAGAGGGAGTGCCGAG	41816	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014639	4_-_10080241_10080264	ACAGTGAGGTAGAGGGAGTGCCGA	41817	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014640	4_-_10080242_10080263	CAGTGAGGTAGAGGGAGTGCCG	41818	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014641	4_-_10080242_10080264	ACAGTGAGGTAGAGGGAGTGCCG	41819	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014642	4_-_10080243_10080264	ACAGTGAGGTAGAGGGAGTGCC	41820	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014643	4_-_10080243_10080265	GACAGTGAGGTAGAGGGAGTGCC	41821	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014644	4_-_10080244_10080264	ACAGTGAGGTAGAGGGAGTGC	41822	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014645	4_-_10080244_10080265	GACAGTGAGGTAGAGGGAGTGC	41823	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014646	4_-_10080244_10080266	GGACAGTGAGGTAGAGGGAGTGC	41824	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014647	4_-_10080244_10080267	TGGACAGTGAGGTAGAGGGAGTGC	41825	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014648	4_-_10080245_10080264	ACAGTGAGGTAGAGGCAGTG	41826	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014649	4_-_10080245_10080265	GACAGTGAGGTAGAGGGAGTG	41827	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014650	4_-_10080245_10080266	GGACAGTGAGGTAGAGGGAGTG	41828	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014651	4_-_10080245_10080269	TGTGGACAGTGAGGTAGAGGGAGTG	41829	hsa-miR-3138;Derives_from=MI0014161

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014652	4_-_10080246_10080265	GACAGTGAGGTAGAGGGAGT	41830	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014653	4_-_10080246_10080268	GTGGACAGTGAGGTAGAGGGAGT	41831	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014654	4_-_10080247_10080269	TGTGGACAGTGAGGTAGAGGGAG	41832	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014655	4_-_10080248_10080269	TGTGGACAGTGAGGTAGAGGGA	41833	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014656	4_-_10080249_10080269	TGTGGACAGTGAGGTAGAGGG	41834	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014657	4_-_10080250_10080269	TGTGGACAGTGAGGTAGAGG	41835	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014658	4_-_10080251_10080269	TGTGGACAGTGAGGTAGAG	41836	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014659	4_-_10080252_10080269	TGTGGACAGTGAGGTAGA	41837	hsa-miR-3138;Derives_from=MI0014161
NovelMiR_KnownLoci_ID0014660	4_-_102161957_102161983	ACAATGTGATCTTTTGGATGTAGGGCA	41838	hsa-miR-8066;Derives_from=MI0025902
NovelMiR_KnownLoci_ID0014661	4_-_102251519_102251544	AGGATGAGCAAAGAAAGTAGATTTTT	41839	hsa-miR-1255a;Derives_from=MI0006389
NovelMiR_KnownLoci_ID0014662	4_-_102251520_102251544	AGGATGAGCAAAGAAAGTAGATTTT	41840	hsa-miR-1255a;Derives_from=MI0006389
NovelMiR_KnownLoci_ID0014663	4_-_102251521_102251544	AGGATGAGCAAAGAAAGTAGATTT	41841	hsa-miR-1255a;Derives_from=MI0006389
NovelMiR_KnownLoci_ID0014664	4_-_102251523_102251544	AGGATGAGCAAAGAAAGTAGAT	41842	hsa-miR-1255a;Derives_from=MI0006389

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014665	4_-_102251524_102251544	AGGATGAGCAAAGAAAGTAGA	41843	hsa-miR-1255a;Derives_from=MI0006389
NovelMiR_KnownLoci_ID0014666	4_+_110409869_110409891	ATTCTAATTTCTCCACGTCTTTG	41844	hsa-miR-576-5p;Derives_from=MI0003583
NovelMiR_KnownLoci_ID0014667	4_+_110409869_110409892	ATTCTAATTTCTCCACGTCTTTGG	41845	hsa-miR-576-5p;Derives_from=MI0003583
NovelMiR_KnownLoci_ID0014668	4_+_110409869_110409893	ATTCTAATTTCTCCACGTCTTTGGT	41846	hsa-miR-576-5p;Derives_from=MI0003583
NovelMiR_KnownLoci_ID0014669	4_+_110409902_110409919	TTGGCAAAGATGTGGAAA	41847	hsa-miR-576-3p;Derives_from=MI0003583
NovelMiR_KnownLoci_ID0014670	4_+_110409902_110409922	TTGGCAAAGATGTGGAAAAAT	41848	hsa-miR-576-3p;Derives_from=MI0003583
NovelMiR_KnownLoci_ID0014671	4_+_110409908_110409935	AAGATGTGGAAAAATTGGAATCCTCATT	41849	hsa-miR-576-3p;Derives_from=MI0003583
NovelMiR_KnownLoci_ID0014672	4_-_113569031_113569054	AATTGCACTTTAGCAATGGTGATG	41850	hsa-miR-367-3p;Derives_from=MI0000775
NovelMiR_KnownLoci_ID0014673	4_-_113569032_113569054	AATTGCACTTTAGCAATGGTGAT	41851	hsa-miR-367-3p;Derives_from=MI0000775
NovelMiR_KnownLoci_ID0014674	4_-_113569033_113569053	ATTGCACTTTAGCAATGGTGA	41852	hsa-miR-367-3p;Derives_from=MI0000775
NovelMiR_KnownLoci_ID0014675	4_-_113569034_113569054	AATTGCACTTTAGCAATGGTG	41853	hsa-miR-367-3p;Derives_from=MI0000775
NovelMiR_KnownLoci_ID0014676	4_-_113569035_113569054	AATTGCACTTTAGCAATGGT	41854	hsa-miR-367-3p;Derives_from=MI0000775
NovelMiR_KnownLoci_ID0014677	4_-_113569161_113569184	TAAGTGCTTCCATGTTTGAGTGTG	41855	hsa-miR-302d-3p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014678	4_-_113569162_113569182	AGTGCTTCCATGTTTGAGTGT	41856	hsa-miR-302d-3p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014679	4_-_113569162_113569183	AAGTGCTTCCATGTTTGAGTGT	41857	hsa-miR-302d-3p;Derives_from=MI0000774

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014680	4_-_113569163_113569184	TAAGTGCTTCCATGTTTGAGTG	41858	hsa-miR-302d-3p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014681	4_-_113569164_113569184	TAAGTGCTTCCATGTTTGAGT	41859	hsa-miR-302d-3p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014682	4_-_113569166_113569184	TAAGTGCTTCCATGTTTGA	41860	hsa-miR-302d-3p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014683	4_-_113569200_113569222	ACTTTAACATGGAGGCACTTGCT	41861	hsa-miR-302d-5p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014684	4_-_113569201_113569223	TACTTTAACATGGAGGCACTTGC	41862	hsa-miR-302d-5p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014685	4_-_113569202_113569222	ACTTTAACATGGAGGCACTTG	41863	hsa-miR-302d-5p;Derives_from=MI0000774
NovelMiR_KnownLoci_ID0014686	4_-_113569340_113569363	AAGTGCTTCCATGTTTTGGTGATG	41864	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014687	4_-_113569340_113569364	TAAGTGCTTCCATGTTTTGGTGATG	41865	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014688	4_-_113569341_113569363	AAGTGCTTCCATGTTTTGGTGAT	41866	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014689	4_-_113569341_113569364	TAAGTGCTTCCATGTTTTGGTGAT	41867	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014690	4_-_113569342_113569363	AAGTGCTTCCATGTTTTGGTGA	41868	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014691	4_-_113569343_113569364	TAAGTGCTTCCATGTTTTGGTG	41869	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014692	4_-_113569344_113569364	TAAGTGCTTCCATGTTTTGGT	41870	hsa-miR-302a-3p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014693	4_-_113569374_113569401	CTTAAACGTGGATGTACTTGCTTTGAAA	41871	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014694	4_-_113569376_113569399	TAAACGTGGATGTACTTGCTTTGA	41872	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014695	4_-_113569377_113569399	TAAACGTGGATGTACTTGCTTTG	41873	hsa-miR-302a-5p;Derives_from=MI0000738

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014696	4_-_113569378_113569398	AAACGTGGATGTACTTGCTTT	41874	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014697	4_-_113569378_113569399	TAAACGTGGATGTACTTGCTTT	41875	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014698	4_-_113569379_113569399	TAAACGTGGATGTACTTGCTT	41876	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014699	4_-_113569380_113569396	ACGTGGATGTACTTGCT	41877	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014700	4_-_113569380_113569401	CTTAAACGTGGATGTACTTGCT	41878	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014701	4_-_113569381_113569402	ACTTAAACGTGGATGTACTTGC	41879	hsa-miR-302a-5p;Derives_from=MI0000738
NovelMiR_KnownLoci_ID0014702	4_-_113569521_113569542	AGTGCTTCCATGTTTCAGTGGA	41880	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014703	4_-_113569521_113569543	AAGTGCTTCCATGTTTCAGTGGA	41881	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014704	4_-_113569522_113569543	AAGTGCTTCCATGTTTCAGTGG	41882	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014705	4_-_113569523_113569544	TAAGTGCTTCCATGTTTCAGTG	41883	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014706	4_-_113569523_113569546	ACTAAGTGCTTCCATGTTTCAGTG	41884	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014707	4_-_113569524_113569544	TAAGTGCTTCCATGTTTCAGT	41885	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014708	4_-_113569524_113569545	GTAAGTGCTTCCATGTTTCAGT	41886	hsa-miR-302c-3p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014709	4_-_113569557_113569579	TTTAACATGGGGGTACCTGCTGT	41887	hsa-miR-302c-5p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014710	4_-_113569559_113569579	TTTAACATGGGGGTACCTGCT	41888	hsa-miR-302c-5p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014711	4_-_113569560_113569579	TTTAACATGGGGGTACCTGC	41889	hsa-miR-302c-5p;Derives_from=MI0000773

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014712	4_-_113569560_113569581	GCTTTAACATGGGGGTACCTGC	41890	hsa-miR-302c-5p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014713	4_-_113569561_113569581	GCTTTAACATGGGGGTACCTG	41891	hsa-miR-302c-5p;Derives_from=MI0000773
NovelMiR_KnownLoci_ID0014714	4_-_113569644_113569666	AAGTGCTTCCATGTTTTAGTAGG	41892	hsa-miR-302b-3p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014715	4_-_113569644_113569667	TAAGTGCTTCCATGTTTTAGTAGG	41893	hsa-miR-302b-3p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014716	4_-_113569645_113569666	AAGTGCTTCCATGTTTTAGTAG	41894	hsa-miR-302b-3p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014717	4_-_113569646_113569667	TAAGTGCTTCCATGTTTTAGTA	41895	hsa-miR-302b-3p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014718	4_-_113569647_113569666	AAGTGCTTCCATGTTTTAGT	41896	hsa-miR-302b-3p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014719	4_-_113569647_113569667	TAAGTGCTTCCATGTTTTAGT	41897	hsa-miR-302b-3p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014720	4_-_113569681_113569703	ACTTTAACATGGAAGTGCTTTCT	41898	hsa-miR-302b-5p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014721	4_-_113569688_113569703	ACTTTAACATGGAAGT	41899	hsa-miR-302b-5p;Derives_from=MI0000772
NovelMiR_KnownLoci_ID0014722	4_+_114028022_114028042	AAACTGGATCAATTATAGGAG	41900	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014723	4_+_114028022_114028043	AAACTGGATCAATTATAGGAGT	41901	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014724	4_+_114028023_114028041	AACTGGATCAATTATAGGA	41902	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014725	4_+_114028023_114028043	AACTGGATCAATTATAGGAGT	41903	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014726	4_+_114028023_114028045	AACTGGATCAATTATAGGAGTGA	41904	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014727	4_+_114028024_114028045	ACTGGATCAATTATAGGAGTGA	41905	hsa-miR-1243;Derives_from=MI0006373

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014728	4_+_114028024_114028047	ACTGGATCAATTATAGGAGTGAAA	41906	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014729	4_+_114028025_114028044	CTGGATCAATTATAGGAGTG	41907	hsa-miR-1243;Derives_from=MI0006373
NovelMiR_KnownLoci_ID0014730	4_+_115577929_115577947	GTAGATAAAATATTGGTAC	41908	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014731	4_+_115577929_115577948	GTAGATAAAATATTGGTACC	41909	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014732	4_+_115577929_115577949	GTAGATAAAATATTGGTACCT	41910	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014733	4_+_115577929_115577950	GTAGATAAAATATTGGTACCTG	41911	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014734	4_+_115577929_115577951	GTAGATAAAATATTGGTACCTGA	41912	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014735	4_+_115577929_115577952	GTAGATAAAATATTGGTACCTGAT	41913	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014736	4_+_115577929_115577953	GTAGATAAAATATTGGTACCTGATG	41914	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014737	4_+_115577930_115577949	TAGATAAAATATTGGTACCT	41915	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014738	4_+_115577930_115577951	TAGATAAAATATTGGTACCTGA	41916	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014739	4_+_115577931_115577949	AGATAAAATATTGGTACCT	41917	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014740	4_+_115577931_115577952	AGATAAAATATTGGTACCTGAT	41918	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014741	4_+_115577933_115577953	ATAAAATATTGGTACCTGATG	41919	hsa-miR-577;Derives_from=MI0003584
NovelMiR_KnownLoci_ID0014742	4_+_117220906_117220928	ACCGTGCAAAGGTAGCATAATCG	41920	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014743	4_+_117220906_117220929	ACCGTGCAAAGGTAGCATAATCGC	41921	hsa-miR-1973;Derives_from=MI0009983

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014744	4_+_117220906_117220930	ACCGTGCAAAGGTAGCATAATCGCT	41922	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014745	4_+_117220907_117220928	CCGTGCAAAGGTAGCATAATCG	41923	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014746	4_+_117220907_117220930	CCGTGCAAAGGTAGCATAATCGCT	41924	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014747	4_+_117220908_117220928	CGTGCAAAGGTAGCATAATCG	41925	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014748	4_+_117220909_117220928	GTGCAAAGGTAGCATAATCG	41926	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014749	4_+_117220909_117220930	GTGCAAAGGTAGCATAATCGCT	41927	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014750	4_+_117220913_117220928	AAAGGTAGCATAATCG	41928	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014751	4_+_117220915_117220930	AGGTAGCATAATCGCT	41929	hsa-miR-1973;Derives_from=MI0009983
NovelMiR_KnownLoci_ID0014752	4_+_13629493_13629508	GTGGCGACGGAGACGA	41930	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014753	4_+_13629493_13629510	GTGGCGACGGAGACGACA	41931	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014754	4_+_13629493_13629511	GTGGCGACGGAGACGACAA	41932	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014755	4_+_13629493_13629512	GTGGCGACGGAGACGACAAG	41933	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014756	4_+_13629493_13629513	GTGGCGACGGAGACGACAAGA	41934	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014757	4_+_13629493_13629516	GTGGCGACGGAGACGACAAGACTG	41935	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014758	4_+_13629494_13629514	TGGCGACGGAGACGACAAGAC	41936	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014759	4_+_13629496_13629513	GCGACGGAGACGACAAGA	41937	hsa-miR-5091;Derives_from=MI0017980

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014760	4_+_13629496_13629516	GCGACGGAGACGACAAGACTG	41938	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014761	4_+_13629496_13629521	GCGACGGAGACGACAAGACTGTGCTG	41939	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014762	4_+_13629497_13629515	CGACGGAGACGACAAGACT	41940	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014763	4_+_13629497_13629518	CGACGGAGACGACAAGACTGTG	41941	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014764	4_+_13629497_13629524	CGACGGAGACGACAAGACTGTGCTGGTC	41942	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014765	4_+_13629498_13629518	GACGGAGACGACAAGACTGTG	41943	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014766	4_+_13629498_13629519	GACGGAGACGACAAGACTGTGC	41944	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014767	4_+_13629499_13629514	ACGGAGACGACAAGAC	41945	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014768	4_+_13629499_13629516	ACGGAGACGACAAGACTG	41946	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014769	4_+_13629499_13629517	ACGGAGACGACAAGACTGT	41947	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014770	4_+_13629499_13629519	ACGGAGACGACAAGACTGTGC	41948	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014771	4_+_13629499_13629520	ACGGAGACGACAAGACTGTGCT	41949	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014772	4_+_13629500_13629516	CGGAGACGACAAGACTG	41950	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014773	4_+_13629500_13629520	CGGAGACGACAAGACTGTGCT	41951	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014774	4_+_13629503_13629520	AGACGACAAGACTGTGCT	41952	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014775	4_+_13629504_13629522	GACGACAAGACTGTGCTGG	41953	hsa-miR-5091;Derives_from=MI0017980

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014776	4_+_13629504_13629524	GACGACAAGACTGTGCTGGTC	41954	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014777	4_+_13629506_13629527	CGACAAGACTGTGCTGGTCGCG	41955	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014778	4_+_13629508_13629527	ACAAGACTGTGCTGGTCGCG	41956	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014779	4_+_13629509_13629524	CAAGACTGTGCTGGTC	41957	hsa-miR-5091;Derives_from=MI0017980
NovelMiR_KnownLoci_ID0014780	4_+_144264622_144264641	TAGGAGCTCAACAGATGCCT	41958	hsa-miR-3139;Derives_from=MI0014162
NovelMiR_KnownLoci_ID0014781	4_+_144264622_144264643	TAGGAGCTCAACAGATGCCTGT	41959	hsa-miR-3139;Derives_from=MI0014162
NovelMiR_KnownLoci_ID0014782	4_+_144264622_144264645	TAGGAGCTCAACAGATGCCTGTTG	41960	hsa-miR-3139;Derives_from=MI0014162
NovelMiR_KnownLoci_ID0014783	4_+_144264623_144264644	AGGAGCTCAACAGATGCCTGTT	41961	hsa-miR-3139;Derives_from=MI0014162
NovelMiR_KnownLoci_ID0014784	4_+_144264623_144264645	AGGAGCTCAACAGATGCCTGTTG	41962	hsa-miR-3139;Derives_from=MI0014162
NovelMiR_KnownLoci_ID0014785	4_+_147329796_147329819	TAGACAATTGTTGATCTTGGGCCT	41963	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014786	4_+_147329796_147329821	TAGACAATTGTTGATCTTGGGCCTGA	41964	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014787	4_+_147329798_147329820	GACAATTGTTGATCTTGGGCCTG	41965	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014788	4_+_147329798_147329821	GACAATTGTTGATCTTGGGCCTGA	41966	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014789	4_+_147329798_147329822	GACAATTGTTGATCTTGGGCCTGAT	41967	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014790	4_+_147329798_147329824	GACAATTGTTGATCTTGGGCCTGATGT	41968	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014791	4_+_147329802_147329823	ATTGTTGATCTTGGGCCTGATG	41969	hsa-miR-7849-3p;Derives_from=MI0025519

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014792	4_+_147329806_147329825	TTGATCTTGGGCCTGATGTT	41970	hsa-miR-7849-3p;Derives_from=MI0025519
NovelMiR_KnownLoci_ID0014793	4_+_148703754_148703775	TATCTAAATGCAGCATGCCAGT	41971	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014794	4_+_148703755_148703775	ATCTAAATGCAGCATGCCAGT	41972	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014795	4_+_148703755_148703777	ATCTAAATGCAGCATGCCAGTCC	41973	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014796	4_+_148703756_148703775	TCTAAATGCAGCATGCCAGT	41974	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014797	4_+_148703756_148703776	TCTAAATGCAGCATGCCAGTC	41975	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014798	4_+_148703756_148703777	TCTAAATGCAGCATGCCAGTCC	41976	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014799	4_+_148703757_148703776	CTAAATGCAGCATGCCAGTC	41977	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014800	4_+_148703757_148703778	CTAAATGCAGCATGCCAGTCCT	41978	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014801	4_+_148703757_148703779	CTAAATGCAGCATGCCAGTCCTG	41979	hsa-miR-4799-5p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014802	4_+_148703784_148703802	GCAGCGACTGGCATGCTGC	41980	hsa-miR-4799-3p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014803	4_+_148703789_148703809	GACTGGCATGCTGCATTTATA	41981	hsa-miR-4799-3p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014804	4_+_148703789_148703810	GACTGGCATGCTGCATTTATAT	41982	hsa-miR-4799-3p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014805	4_+_148703790_148703809	ACTGGCATGCTGCATTTATA	41983	hsa-miR-4799-3p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014806	4_+_148703790_148703810	ACTGGCATGCTGCATTTATAT	41984	hsa-miR-4799-3p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014807	4_+_148703791_148703811	CTGGCATGCTGCATTTATATA	41985	hsa-miR-4799-3p;Derives_from=MI0017446

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014808	4_+_148703791_148703812	CTGGCATGCTGCATTTATATAT	41986	hsa-miR-4799-3p;Derives_from=MI0017446
NovelMiR_KnownLoci_ID0014809	4_-_153410486_153410509	AGCTTTTGGGAATTCAGGTAGTTC	41987	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014810	4_-_153410486_153410510	GAGCTTTTGGGAATTCAGGTAGTTC	41988	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014811	4_-_153410488_153410510	GAGCTTTTGGGAATTCAGGTAGT	41989	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014812	4_-_153410488_153410512	AAGAGCTTTTGGGAATTCAGGTAGTT	41990	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014813	4_-_153410489_153410509	AGCTTTTGGGAATTCAGGTAG	41991	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014814	4_-_153410489_153410510	GAGCTTTTGGGAATTCAGGTAG	41992	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014815	4_-_153410489_153410511	AGAGCTTTTGGGAATTCAGGTAG	41993	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014816	4_-_153410490_153410509	AGCTTTTGGGAATTCAGGTA	41994	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014817	4_-_153410491_153410510	GAGCTTTTGGGAATTCAGGT	41995	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014818	4_-_153410492_153410510	GAGCTTTTGGGAATTCAGG	41996	hsa-miR-3140-3p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014819	4_-_153410534_153410557	ACCTGAATTACCAAAAGCTTTATG	41997	hsa-miR-3140-5p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014820	4_-_153410535_153410557	ACCTGAATTACCAAAAGCTTTAT	41998	hsa-miR-3140-5p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014821	4_-_153410536_153410557	ACCTGAATTACCAAAAGCTTTA	41999	hsa-miR-3140-5p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014822	4_-_153410538_153410557	ACCTGAATTACCAAAAGCTT	42000	hsa-miR-3140-5p;Derives_from=MI0014163
NovelMiR_KnownLoci_ID0014823	4_-_153410539_153410557	ACCTGAATTACCAAAAGCT	42001	hsa-miR-3140-5p;Derives_from=MI0014163

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014824	4_+_153457578_153457593	CCTGGAGAGCTTGGTC	42002	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014825	4_+_153457578_153457595	CCTGGAGAGCTTGGTCTG	42003	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014826	4_+_153457578_153457598	CCTGGAGAGCTTGGTCTGTAG	42004	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014827	4_+_153457578_153457600	CCTGGAGAGCTTGGTCTGTAGCG	42005	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014828	4_+_153457579_153457600	CTGGAGAGCTTGGTCTGTAGCG	42006	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014829	4_+_153457582_153457601	GAGAGCTTGGTCTGTAGCGG	42007	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014830	4_+_153457583_153457607	AGAGCTTGGTCTGTAGCGGTTTCCT	42008	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014831	4_+_153457584_153457604	GAGCTTGGTCTGTAGCGGTTT	42009	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014832	4_+_153457584_153457605	GAGCTTGGTCTGTAGCGGTTTC	42010	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014833	4_+_153457585_153457605	AGCTTGGTCTGTAGCGGTTTC	42011	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014834	4_+_153457585_153457607	AGCTTGGTCTGTAGCGGTTTCCT	42012	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014835	4_+_153457586_153457603	GCTTGGTCTGTAGCGGTT	42013	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014836	4_+_153457587_153457605	CTTGGTCTGTAGCGGTTTC	42014	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014837	4_+_153457587_153457607	CTTGGTCTGTAGCGGTTTCCT	42015	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014838	4_+_153457589_153457609	TGGTCTGTAGCGGTTTCCTTC	42016	hsa-miR-4453;Derives_from=MI0016799
NovelMiR_KnownLoci_ID0014839	4_-_160049963_160049985	TGGAAAGACTTTGCCACTCTTTA	42017	hsa-miR-3688-3p;Derives_from=MI0016089

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014840	4_-_160049963_160049987	TATGGAAAGACTTTGCCACTCTTTA	42018	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014841	4_-_160049964_160049985	TGGAAAGACTTTGCCACTCTTT	42019	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014842	4_-_160049964_160049987	TATGGAAAGACTTTGCCACTCTTT	42020	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014843	4_-_160049964_160049988	ATATGGAAAGACTTTGCCACTCTTT	42021	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014844	4_-_160049968_160049991	CACATATGGAAAGACTTTGCCACT	42022	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014845	4_-_160049970_160049991	CACATATGGAAAGACTTTGCCA	42023	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014846	4_+_160049970_160049991	TGGCAAAGTCTTTCCATATGTG	42024	hsa-miR-3688-5p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014847	4_+_160049970_160049992	TGGCAAAGTCTTTCCATATGTGT	42025	hsa-miR-3688-5p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014848	4_-_160049971_160049991	CACATATGGAAAGACTTTGCC	42026	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014849	4_-_160049973_160049991	CACATATGGAAAGACTTTG	42027	hsa-miR-3688-3p;Derives_from=MI0016089
NovelMiR_KnownLoci_ID0014850	4_+_160049975_160049994	AAGTCTTTCCATATGTGTAA	42028	hsa-miR-3688-5p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014851	4_+_160050009_160050028	TACATATGCAAAGACTTTGC	42029	hsa-miR-3688-3p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014852	4_+_160050009_160050029	TACATATGGAAAGACTTTGCC	42030	hsa-miR-3688-3p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014853	4_+_160050009_160050030	TACATATGGAAAGACTTTGCCA	42031	hsa-miR-3688-3p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014854	4_+_160050009_160050032	TACATATGGAAAGACTTTGCCACT	42032	hsa-miR-3688-3p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014855	4_+_160050015_160050036	TGGAAAGACTTTGCCACTCTTG	42033	hsa-miR-3688-3p;Derives_from=MI0017447

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014856	4_+_160050015_160050037	TGGAAAGACTTTGCCACTCTTGA	42034	hsa-miR-3688-3p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014857	4_+_160050016_160050037	GGAAAGACTTTGCCACTCTTGA	42035	hsa-miR-3688-3p;Derives_from=MI0017447
NovelMiR_KnownLoci_ID0014858	4_-_164014757_164014778	GGATCCGAGTCACGGCACCAAA	42036	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014859	4_-_164014757_164014779	CGGATCCGAGTCACGGCACCAAA	42037	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014860	4_-_164014758_164014778	GGATCCGAGTCACGGCACCAA	42038	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014861	4_-_164014758_164014779	CGGATCCGAGTCACGGCACCAA	42039	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014862	4_-_164014758_164014780	CCGGATCCGAGTCACGGCACCAA	42040	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014863	4_-_164014759_164014779	CGGATCCGAGTCACGGCACCA	42041	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014864	4_-_164014759_164014780	CCGGATCCGAGTCACGGCACCA	42042	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014865	4_-_164014759_164014781	CCCGGATCCGAGTCACGGCACCA	42043	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014866	4_-_164014759_164014782	CCCCGGATCCGAGTCACGGCACCA	42044	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014867	4_-_164014759_164014783	TCCCCGGATCCGAGTCACGGCACCA	42045	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014868	4_-_164014760_164014778	GGATCCGAGTCACGGCACC	42046	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014869	4_-_164014760_164014779	CGGATCCGAGTCACGGCACC	42047	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014870	4_-_164014760_164014780	CCGGATCCGAGTCACGGCACC	42048	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014871	4_-_164014761_164014778	GGATCCGAGTCACGGCAC	42049	hsa-miR-4454;Derives_from=MI0016800

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014872	4_-_164014761_164014779	CGGATCCGAGTCACGGCAC	42050	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014873	4_-_164014763_164014778	GGATCCGAGTCACGGC	42051	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014874	4_-_164014764_164014780	CCGGATCCGAGTCACGG	42052	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014875	4_-_164014765_164014780	CCGGATCCGAGTCACG	42053	hsa-miR-4454;Derives_from=MI0016800
NovelMiR_KnownLoci_ID0014876	4_+_166307454_166307475	CTTCTTGTGCTCTAGGATTGTA	42054	hsa-miR-578;Derives_from=MI0003585
NovelMiR_KnownLoci_ID0014877	4_+_166307455_166307477	TTCTTGTGCTCTAGGATTGTATT	42055	hsa-miR-578;Derives_from=MI0003585
NovelMiR_KnownLoci_ID0014878	4_+_166307461_166307480	TGCTCTAGGATTGTATTTTG	42056	hsa-miR-578;Derives_from=MI0003585
NovelMiR_KnownLoci_ID0014879	4_+_172107345_172107363	CGTCTGGTTGATCCAGTCC	42057	hsa-miR-6082;Derives_from=MI0020359
NovelMiR_KnownLoci_ID0014880	4_+_172107345_172107364	CGTCTGGTTGATCCAGTCCA	42058	hsa-miR-6082;Derives_from=MI0020359
NovelMiR_KnownLoci_ID0014881	4_+_174189318_174189339	TGCAAAAGTGATCGTGGTTTTT	42059	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014882	4_+_174189318_174189340	TGCAAAAGTGATCGTGGTTTTTG	42060	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014883	4_+_174189320_174189339	CAAAAGTGATCGTGGTTTTT	42061	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014884	4_+_174189320_174189341	CAAAAGTGATCGTGGTTTTTGC	42062	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014885	4_+_174189320_174189342	CAAAAGTGATCGTGGTTTTTGCA	42063	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014886	4_+_174189321_174189340	AAAAGTGATCGTGGTTTTTG	42064	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014887	4_+_174189321_174189341	AAAAGTGATCGTGGTTTTTGC	42065	hsa-miR-548t-5p;Derives_from=MI0014164

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014888	4_+_174189321_174189342	AAAAGTGATCGTGGTTTTTGCA	42066	hsa-miR-548t-5p;Derives_from=MI0014164
NovelMiR_KnownLoci_ID0014889	4_+_175344950_175344970	GTCTGACTCAGTGACTCATGT	42067	hsa-miR-4276;Derives_from=MI0015882
NovelMiR_KnownLoci_ID0014890	4_+_175344956_175344977	CTCAGTGACTCATGTGCTGGCA	42068	hsa-miR-4276;Derives_from=MI0015882
NovelMiR_KnownLoci_ID0014891	4_+_175344957_175344978	TCAGTGACTCATGTGCTGGCAG	42069	hsa-miR-4276;Derives_from=MI0015882
NovelMiR_KnownLoci_ID0014892	4_+_175344958_175344978	CAGTGACTCATGTGCTGGCAG	42070	hsa-miR-4276;Derives_from=MI0015882
NovelMiR_KnownLoci_ID0014893	4_+_183090496_183090515	TTTTCAACTCTAATGGGAGA	42071	hsa-miR-1305;Derives_from=MI0006372
NovelMiR_KnownLoci_ID0014894	4_+_183090496_183090516	TTTTCAACTCTAATGGGAGAG	42072	hsa-miR-1305;Derives_from=MI0006372
NovelMiR_KnownLoci_ID0014895	4_+_183090497_183090517	TTTCAACTCTAATGGGAGAGA	42073	hsa-miR-1305;Derives_from=MI0006372
NovelMiR_KnownLoci_ID0014896	4_+_183090497_183090518	TTTCAACTCTAATGGGAGAGAC	42074	hsa-miR-1305;Derives_from=MI0006372
NovelMiR_KnownLoci_ID0014897	4_+_183090497_183090519	TTTCAACTCTAATGGGAGAGACA	42075	hsa-miR-1305;Derives_from=MI0006372
NovelMiR_KnownLoci_ID0014898	4_+_183090497_183090521	TTTCAACTCTAATGGGAGAGACAGC	42076	hsa-miR-1305;Derives_from=MI0006372
NovelMiR_KnownLoci_ID0014899	4_-_185772214_185772230	AGGGTTGATATAAAATG	42077	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014900	4_-_185772214_185772231	GAGGGTTGATATAAAATG	42078	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014901	4_-_185772218_185772242	AGGGCATAGGAGAGGGTTGATATAA	42079	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014902	4_-_185772219_185772242	AGGGCATAGGAGAGGGTTGATATA	42080	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014903	4_-_185772219_185772243	GAGGGCATAGGAGAGGGTTGATATA	42081	hsa-miR-3945;Derives_from=MI0016602

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014904	4_-_185772220_185772238	CATAGGAGAGGGTTGATAT	42082	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014905	4_-_185772220_185772240	GGCATAGGAGAGGGTTGATAT	42083	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014906	4_-_185772220_185772243	GAGGGCATAGGAGAGGGTTGATAT	42084	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014907	4_-_185772222_185772243	GAGGGCATAGGAGAGGGTTGAT	42085	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014908	4_-_185772226_185772242	AGGGCATAGGAGAGGGT	42086	hsa-miR-3945;Derives_from=MI0016602
NovelMiR_KnownLoci_ID0014909	4_-_185859573_185859591	AGGGTGTGTGTTTTTTCC	42087	hsa-miR-4455;Derives_from=MI0016801
NovelMiR_KnownLoci_ID0014910	4_-_1988127_1988150	CTGACTGTTGCCGTCCTCCAGCCC	42088	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014911	4_-_1988127_1988151	CCTGACTGTTGCCGTCCTCCAGCCC	42089	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014912	4_-_1988128_1988150	CTGACTGTTGCCGTCCTCCAGCC	42090	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014913	4_-_1988128_1988151	CCTGACTGTTGCCGTCCTCCAGCC	42091	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014914	4_-_1988129_1988150	CTGACTGTTGCCGTCCTCCAGC	42092	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014915	4_-_1988129_1988151	CCTGACTGTTGCCGTCCTCCAGC	42093	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014916	4_-_1988130_1988151	CCTGACTGTTGCCGTCCTCCAG	42094	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014917	4_-_1988131_1988151	CCTGACTGTTGCCGTCCTCCA	42095	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014918	4_-_1988132_1988150	CTGACTGTTGCCGTCCTCC	42096	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014919	4_-_1988132_1988151	CCTGACTGTTGCCGTCCTCC	42097	hsa-miR-943;Derives_from=MI0005768

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014920	4_-_1988133_1988151	CCTGACTGTTGCCGTCCTC	42098	hsa-miR-943;Derives_from=MI0005768
NovelMiR_KnownLoci_ID0014921	4_+_20529922_20529944	TTGTGCTTGATCTAACCATGTGG	42099	hsa-miR-218-5p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014922	4_+_20529922_20529946	TTGTGCTTGATCTAACCATGTGGTT	42100	hsa-miR-218-5p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014923	4_+_20529922_20529947	TTGTGCTTGATCTAACCATGTGGTTG	42101	hsa-miR-218-5p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014924	4_+_20529922_20529948	TTGTGCTTGATCTAACCATGTGGTTGC	42102	hsa-miR-218-5p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014925	4_+_20529923_20529943	TGTGCTTGATCTAACCATGTG	42103	hsa-miR-218-5p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014926	4_+_20529923_20529946	TGTGCTTGATCTAACCATGTGGTT	42104	hsa-miR-218-5p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014927	4_+_20529960_20529979	AAAACATGGTTCCGTCAAGC	42105	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014928	4_+_20529960_20529981	AAAACATGGTTCCGTCAAGCAC	42106	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014929	4_+_20529960_20529982	AAAACATGGTTCCGTCAAGCACC	42107	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014930	4_+_20529960_20529985	AAAACATGGTTCCGTCAAGCACCATG	42108	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014931	4_+_20529961_20529977	AAACATGGTTCCGTCAA	42109	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014932	4_+_20529961_20529978	AAACATGGTTCCGTCAAG	42110	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014933	4_+_20529961_20529979	AAACATGGTTCCGTCAAGC	42111	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014934	4_+_20529961_20529980	AAACATGGTTCCGTCAAGCA	42112	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014935	4_+_20529961_20529981	AAACATGGTTCCGTCAAGCAC	42113	hsa-miR-218-1-3p;Derives_from=MI0000294

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014936	4_+_20529961_20529982	AAACATGGTTCCGTCAAGCACC	42114	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014937	4_+_20529961_20529983	AAACATGGTTCCGTCAAGCACCA	42115	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014938	4_+_20529961_20529984	AAACATGGTTCCGTCAAGCACCAT	42116	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014939	4_+_20529961_20529985	AAACATGGTTCCGTCAAGCACCATG	42117	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014940	4_+_20529962_20529980	AACATGGTTCCGTCAAGCA	42118	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014941	4_+_20529962_20529983	AACATGGTTCCGTCAAGCACCA	42119	hsa-miR-218-1-3p;Derives_from=MI0000294
NovelMiR_KnownLoci_ID0014942	4_-_21466360_21466382	ATCTGGTGTATAGCGTTGCTCAA	42120	hsa-miR-7978;Derives_from=MI0025754
NovelMiR_KnownLoci_ID0014943	4_-_21466361_21466382	ATCTGGTGTATAGCGTTGCTCA	42121	hsa-miR-7978;Derives_from=MI0025754
NovelMiR_KnownLoci_ID0014944	4_-_21466362_21466382	ATCTGGTGTATAGCGTTGCTC	42122	hsa-miR-7978;Derives_from=MI0025754
NovelMiR_KnownLoci_ID0014945	4_-_21466363_21466382	ATCTGGTGTATAGCGTTGCT	42123	hsa-miR-7978;Derives_from=MI0025754
NovelMiR_KnownLoci_ID0014946	4_-_21466365_21466382	ATCTGGTGTATAGCGTTG	42124	hsa-miR-7978;Derives_from=MI0025754
NovelMiR_KnownLoci_ID0014947	4_-_21466371_21466387	GGTCTATCTGGTGTATA	42125	hsa-miR-7978;Derives_from=MI0025754
NovelMiR_KnownLoci_ID0014948	4_-_2251812_2251828	CGTCTGTCCACCTACCT	42126	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014949	4_-_2251812_2251830	TCCGTCTGTCCACCTACCT	42127	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014950	4_-_2251812_2251831	GTCCGTCTGTCCACCTACCT	42128	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014951	4_-_2251813_2251836	CATCCGTCCGTCTGTCCACCTACC	42129	hsa-miR-4800-3p;Derives_from=MI0017448

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014952	4_-_2251814_2251836	CATCCGTCCGTCTGTCCACCTAC	42130	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014953	4_-_2251815_2251836	CATCCGTCCGTCTGTCCACCTA	42131	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014954	4_-_2251816_2251836	CATCCGTCCGTCTGTCCACCT	42132	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014955	4_-_2251817_2251836	CATCCGTCCGTCTGTCCACC	42133	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014956	4_-_2251825_2251842	TCTGTCCATCCGTCCGTC	42134	hsa-miR-4800-3p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014957	4_-_2251848_2251872	TGGACCGAGGAAGGAAGGAAGGCAA	42135	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014958	4_-_2251849_2251870	GACCGAGGAAGGAAGGAAGGCA	42136	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014959	4_-_2251850_2251874	AGTGGACCGAGGAAGGAAGGAAGGC	42137	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014960	4_-_2251851_2251876	GGAGTGGACCGAGGAAGGAAGGAAGG	42138	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014961	4_-_2251852_2251869	ACCGAGGAAGCAAGGAAG	42139	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014962	4_-_2251853_2251874	AGTGGACCGAGGAAGGAAGGAA	42140	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014963	4_-_2251854_2251872	TGGACCGAGGAAGGAAGGA	42141	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014964	4_-_2251855_2251874	AGTGGACCGAGGAAGGAAGG	42142	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014965	4_-_2251856_2251874	AGTGGACCGAGGAAGGAAG	42143	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014966	4_-_2251864_2251880	GAAAGGAGTGGACCGAG	42144	hsa-miR-4800-5p;Derives_from=MI0017448
NovelMiR_KnownLoci_ID0014967	4_-_2251865_2251880	GAAAGGAGTGGACCGA	42145	hsa-miR-4800-5p;Derives_from=MI0017448

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014968	4_-_24521871_24521897	TGAAGTGATGTGTAACTGATCAGGATC	42146	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014969	4_-_24521871_24521898	CTGAAGTGATGTGTAACTGATCAGGATC	42147	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014970	4_-_24521873_24521898	CTGAAGTGATGTGTAACTGATCAGGA	42148	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014971	4_-_24521874_24521897	TGAAGTGATGTGTAACTGATCAGG	42149	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014972	4_-_24521874_24521898	CTGAAGTGATGTGTAACTGATCAGG	42150	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014973	4_-_24521875_24521895	AAGTGATGTGTAACTGATCAG	42151	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014974	4_-_24521876_24521891	GATGTGTAACTGATCA	42152	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014975	4_-_24521876_24521898	CTGAAGTGATGTGTAACTGATCA	42153	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014976	4_-_24521877_24521897	TGAAGTGATGTGTAACTGATC	42154	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014977	4_-_24521877_24521898	CTGAAGTGATGTGTAACTGATC	42155	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014978	4_-_24521878_24521898	CTGAAGTGATGTGTAACTGAT	42156	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014979	4_-_24521880_24521900	CCCTGAAGTGATGTCTAACTG	42157	hsa-miR-573;Derives_from=MI0003580
NovelMiR_KnownLoci_ID0014980	4_+_28821210_28821231	TTGTCCAATTACCACTTCTTTT	42158	hsa-miR-4275;Derives_from=MI0015883
NovelMiR_KnownLoci_ID0014981	4_+_344009_344026	GTTGGCCATCTGAGTGAG	42159	hsa-miR-571;Derives_from=MI0003578
NovelMiR_KnownLoci_ID0014982	4_+_38869671_38869687	GGCGTGTGAGTGTGTGT	42160	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014983	4_+_38869676_38869702	GTGAGTGTGTGTGTGTGAGTGTGTGTC	42161	hsa-miR-574-5p;Derives_from=MI0003581

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0014984	4_+_38869676_38869703	GTGAGTGTGTGTGTGAGTGTGT GTCG	42162	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014985	4_+_38869677_38869698	TGAGTGTGTGTGTGAGTGTG	42163	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014986	4_+_38869677_38869701	TGAGTGTGTGTGTGAGTGTGTG T	42164	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014987	4_+_38869677_38869702	TGAGTGTGTGTGTGAGTGTGTG TC	42165	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014988	4_+_38869677_38869703	TGAGTGTGTGTGTGAGTGTGTG TCG	42166	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014989	4_+_38869677_38869704	TGAGTGTGTGTGTGAGTGTGTG TCGC	42167	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014990	4_+_38869678_38869702	GAGTGTGTGTGTGAGTGTGTGT C	42168	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014991	4_+_38869678_38869703	GAGTGTGTGTGTGAGTGTGTGT CG	42169	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014992	4_+_38869681_38869705	TGTGTGTGTGTGAGTGTGTGTCGC T	42170	hsa-miR-574-5p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014993	4_+_38869713_38869730	CACGCTCATGCACACACC	42171	hsa-miR-574-3p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014994	4_+_38869713_38869731	CACGCTCATGCACACACCC	42172	hsa-miR-574-3p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014995	4_+_38869713_38869732	CACGCTCATGCACACACCCA	42173	hsa-miR-574-3p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014996	4_+_38869713_38869733	CACGCTCATGCACACACCCAC	42174	hsa-miR-574-3p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014997	4_+_38869713_38869735	CACGCTCATGCACACACCCACAC	42175	hsa-miR-574-3p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014998	4_+_38869713_38869736	CACGCTCATGCACACACCCACACG	42176	hsa-miR-574-3p;Derives_from=MI0003581
NovelMiR_KnownLoci_ID0014999	4_+_38869713_38869737	CACGCTCATGCACACACCCACACG C	42177	hsa-miR-574-3p;Derives_from=MI0003581

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015000	4_+_39413568_39413583	ATCTGCATACCCATAG	42178	hsa-miR-5591-3p;Derives_from=MI0019151
NovelMiR_KnownLoci_ID0015001	4_-_40504064_40504087	ATGGATGGAAACCTTCAAGCAGGC	42179	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015002	4_-_40504065_40504090	TACATGGATGGAAACCTTCAAGCAGG	42180	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015003	4_-_40504066_40504087	ATGGATGGAAACCTTCAAGCAG	42181	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015004	4_-_40504066_40504088	CATGGATGGAAACCTTCAAGCAG	42182	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015005	4_-_40504067_40504087	ATGGATGGAAACCTTCAAGCA	42183	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015006	4_-_40504067_40504088	CATGGATGGAAACCTTCAAGCA	42184	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015007	4_-_40504067_40504089	ACATGGATGGAAACCTTCAAGCA	42185	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015008	4_-_40504067_40504090	TACATGGATGGAAACCTTCAAGCA	42186	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015009	4_-_40504068_40504088	CATGGATGGAAACCTTCAAGC	42187	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015010	4_-_40504068_40504089	ACATGGATGGAAACCTTCAAGC	42188	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015011	4_-_40504069_40504089	ACATGGATGGAAACCTTCAAG	42189	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015012	4_-_40504069_40504090	TACATGGATGGAAACCTTCAAG	42190	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015013	4_-_40504070_40504090	TACATGGATGGAAACCTTCAA	42191	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015014	4_-_40504071_40504090	TACATGGATGGAAACCTTCA	42192	hsa-miR-4802-3p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015015	4_-_40504072_40504090	TACATGGATGGAAACCTTC	42193	hsa-miR-4802-3p;Derives_from=MI0017450

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015016	4_-_40504098_40504123	ATGGAGGTTCTAGACCATGTTAGTGT	42194	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015017	4_-_40504101_40504123	ATGGAGGTTCTAGACCATGTTAG	42195	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015018	4_-_40504101_40504124	TATGGAGGTTCTAGACCATGTTAG	42196	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015019	4_-_40504102_40504123	ATGGAGGTTCTAGACCATGTTA	42197	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015020	4_-_40504102_40504124	TATGGAGGTTCTAGACCATGTTA	42198	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015021	4_-_40504103_40504123	ATGGAGGTTCTAGACCATGTT	42199	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015022	4_-_40504104_40504123	ATGGAGGTTCTAGACCATGT	42200	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015023	4_-_40504104_40504124	TATGGAGGTTCTAGACCATGT	42201	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015024	4_-_40504105_40504124	TATGGAGGTTCTAGACCATG	42202	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015025	4_-_40504114_40504130	GGCTTGTATGGAGGTTC	42203	hsa-miR-4802-5p;Derives_from=MI0017450
NovelMiR_KnownLoci_ID0015026	4_+_53578881_53578896	GGTGCCCGTCCCGGGG	42204	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015027	4_+_53578881_53578897	GGTGCCCGTCCCGGGGC	42205	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015028	4_+_53578881_53578898	GGTGCCCGTCCCGGGGCT	42206	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015029	4_+_53578881_53578900	GGTGCCCGTCCCGGGGCTGC	42207	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015030	4_+_53578881_53578901	GGTGCCCGTCCCGGGGCTGCG	42208	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015031	4_+_53578881_53578903	GGTGCCCGTCCCGGGGCTGCGCG	42209	hsa-miR-4449;Derives_from=MI0016792

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015032	4_+_53578881_53578904	GGTGCCCGTCCCGGGGCTGCGCGA	42210	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015033	4_+_53578881_53578905	GGTGCCCGTCCCGGGGCTGCGCGAG	42211	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015034	4_+_53578882_53578903	GTGCCCGTCCCGGGGCTGCGCG	42212	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015035	4_+_53578883_53578907	TGCCCGTCCCGGGGCTGCGCGAGGC	42213	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015036	4_+_53578883_53578908	TGCCCGTCCCGGGGCTGCGCGAGGCA	42214	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015037	4_+_53578884_53578911	GCCCGTCCCGGGGCTGCGCGAGGCACAG	42215	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015038	4_+_53578887_53578904	CGTCCCGGGGCTGCGCGA	42216	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015039	4_+_53578887_53578913	CGTCCCGGGGCTGCGCGAGGCACAGGC	42217	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015040	4_+_53578888_53578910	GTCCCGGGGCTGCGCGAGGCACA	42218	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015041	4_+_53578888_53578913	GTCCCGGGGCTGCGCGAGGCACAGGC	42219	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015042	4_+_53578889_53578906	TCCCGGGGCTGCGCGAGG	42220	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015043	4_+_53578889_53578908	TCCCGGGGCTGCGCGAGGCA	42221	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015044	4_+_53578889_53578909	TCCCGGGGCTGCGCGAGGCAC	42222	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015045	4_+_53578889_53578910	TCCCGGGGCTGCGCGAGGCACA	42223	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015046	4_+_53578889_53578911	TCCCGGGGCTGCGCGAGGCACAG	42224	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015047	4_+_53578889_53578912	TCCCGGGGCTGCGCGAGGCACAGG	42225	hsa-miR-4449;Derives_from=MI0016792

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015048	4_+_53578889_53578913	TCCCGGGGCTGCGCGAGGCACAGGC	42226	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015049	4_+_53578890_53578911	CCCGGGGCTGCGCGAGGCACAG	42227	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015050	4_+_53578890_53578913	CCCGGGGCTGCGCGAGGCACAGGC	42228	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015051	4_+_53578890_53578914	CCCGGGGCTGCGCGAGGCACAGGCG	42229	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015052	4_+_53578891_53578908	CCGGGGCTGCGCGAGGCA	42230	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015053	4_+_53578891_53578909	CCGGGGCTGCGCGAGGCAC	42231	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015054	4_+_53578891_53578912	CCGGGGCTGCGCGAGGCACAGG	42232	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015055	4_+_53578891_53578913	CCGGGGCTGCGCGAGGCACAGGC	42233	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015056	4_+_53578892_53578908	CGGGGCTGCGCGAGGCA	42234	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015057	4_+_53578892_53578912	CGGGGCTGCGCGAGGCACAGG	42235	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015058	4_+_53578892_53578913	CGGGGCTGCGCGAGGCACAGGC	42236	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015059	4_+_53578893_53578913	GGGGCTGCGCGAGGCACAGGC	42237	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015060	4_+_53578894_53578910	GGGCTGCGCGAGGCACA	42238	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015061	4_+_53578894_53578913	GGGCTGCGCGAGGCACAGGC	42239	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015062	4_+_53578895_53578913	GGCTGCGCGAGGCACAGGC	42240	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015063	4_+_53578897_53578913	CTGCGCGAGGCACAGGC	42241	hsa-miR-4449;Derives_from=MI0016792

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015064	4_+_53578898_53578913	TGCGCGAGGCACAGGC	42242	hsa-miR-4449;Derives_from=MI0016792
NovelMiR_KnownLoci_ID0015065	4_-_5925002_5925025	ACTGGACTTGGAGTCAGAAACAGG	42243	hsa-miR-378d;Derives_from=MI0016749
NovelMiR_KnownLoci_ID0015066	4_-_5925003_5925024	CTGGACTTGGAGTCAGAAACAG	42244	hsa-miR-378d;Derives_from=MI0016749
NovelMiR_KnownLoci_ID0015067	4_-_5925003_5925025	ACTGGACTTGGAGTCAGAAACAG	42245	hsa-miR-378d;Derives_from=MI0016749
NovelMiR_KnownLoci_ID0015068	4_-_5925004_5925024	CTGGACTTGGAGTCAGAAACA	42246	hsa-miR-378d;Derives_from=MI0016749
NovelMiR_KnownLoci_ID0015069	4_-_5925004_5925025	ACTGGACTTGGAGTCAGAAACA	42247	hsa-miR-378d;Derives_from=MI0016749
NovelMiR_KnownLoci_ID0015070	4_-_5925005_5925025	ACTGGACTTGGAGTCAGAAAC	42248	hsa-miR-378d;Derives_from=MI0016749
NovelMiR_KnownLoci_ID0015071	4_+_61788341_61788362	AAAGGTAATTGTGGTTTCTGCT	42249	hsa-miR-548ag;Derives_from=MI0001679 3
NovelMiR_KnownLoci_ID0015072	4_+_61788351_61788367	GTGGTTTCTGCTTTTAA	42250	hsa-miR-548ag;Derives_from=MI0001679 3
NovelMiR_KnownLoci_ID0015073	4_+_67142607_67142624	CCTGGACTGAGCCGTGCT	42251	hsa-miR-1269a;Derives_from=MI000640 6
NovelMiR_KnownLoci_ID0015074	4_+_67142607_67142628	CCTGGACTGAGCCGTGCTACTG	42252	hsa-miR-1269a;Derives_from=MI000640 6
NovelMiR_KnownLoci_ID0015075	4_+_67142608_67142624	CTGGACTGAGCCGTGCT	42253	hsa-miR-1269a;Derives_from=MI000640 6
NovelMiR_KnownLoci_ID0015076	4_+_67142608_67142626	CTGGACTGAGCCGTGCTAC	42254	hsa-miR-1269a;Derives_from=MI000640 6

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015077	4_+_67142608_67142627	CTGGACTGAGCCGTGCTACT	42255	hsa-miR-1269a;Derives_from=MI0006406
NovelMiR_KnownLoci_ID0015078	4_+_67142608_67142628	CTGGACTGAGCCGTGCTACTG	42256	hsa-miR-1269a;Derives_from=MI0006406
NovelMiR_KnownLoci_ID0015079	4_+_67142608_67142630	CTGGACTGAGCCGTGCTACTGGC	42257	hsa-miR-1269a;Derives_from=MI0006406
NovelMiR_KnownLoci_ID0015080	4_+_67142608_67142631	CTGGACTGAGCCGTGCTACTGGCT	42258	hsa-miR-1269a;Derives_from=MI0006406
NovelMiR_KnownLoci_ID0015081	4_+_67142608_67142633	CTGGACTGAGCCGTGCTACTGGCTTC	42259	hsa-miR-1269a;Derives_from=MI0006406
NovelMiR_KnownLoci_ID0015082	4_+_7312186_7312206	TTCGGTATACTTTGTGAATTG	42260	hsa-miR-4798-5p;Derives_from=MI0017445
NovelMiR_KnownLoci_ID0015083	4_+_7312187_7312207	TCGGTATACTTTGTGAATTGG	42261	hsa-miR-4798-5p;Derives_from=MI0017445
NovelMiR_KnownLoci_ID0015084	4_+_7312187_7312208	TCGGTATACTTTGTGAATTGGC	42262	hsa-miR-4798-5p;Derives_from=MI0017445
NovelMiR_KnownLoci_ID0015085	4_+_7312187_7312209	TCGGTATACTTTGTGAATTGGCT	42263	hsa-miR-4798-5p;Derives_from=MI0017445
NovelMiR_KnownLoci_ID0015086	4_+_7312220_7312241	ACCAACTCACGAAGTATACCGA	42264	hsa-miR-4798-3p;Derives_from=MI0017445
NovelMiR_KnownLoci_ID0015087	4_+_7312223_7312243	AACTCACGAAGTATACCGAAG	42265	hsa-miR-4798-3p;Derives_from=MI0017445
NovelMiR_KnownLoci_ID0015088	4_+_7461819_7461835	AGCAGTCCCTCCCCCTG	42266	hsa-miR-4274;Derives_from=MI0015884
NovelMiR_KnownLoci_ID0015089	4_+_77494725_77494745	TGGGGATTTGGAGAAGTGGTG	42267	hsa-miR-4450;Derives_from=MI0016795

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015090	4_+_77496708_77496729	TGGTGCAAAAGTGATTGCAGTG	42268	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015091	4_+_77496713_77496733	CAAAAGTGATTGCAGTGTTTG	42269	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015092	4_+_77496714_77496731	AAAAGTGATTGCAGTGTT	42270	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015093	4_+_77496714_77496732	AAAAGTGATTGCAGTGTTT	42271	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015094	4_+_77496714_77496734	AAAAGTGATTGCAGTGTTTGC	42272	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015095	4_+_77496714_77496735	AAAAGTGATTGCAGTGTTTGCC	42273	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015096	4_+_77496714_77496736	AAAAGTGATTGCAGTGTTTGCCA	42274	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015097	4_+_77496714_77496739	AAAAGTGATTGCAGTGTTTGCCAATA	42275	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015098	4_+_77496715_77496734	AAAGTGATTGCAGTGTTTGC	42276	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015099	4_+_77496715_77496735	AAAGTGATTGCAGTGTTTGCC	42277	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015100	4_+_77496715_77496736	AAAGTGATTGCAGTGTTTGCCA	42278	hsa-miR-548ah-5p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015101	4_+_77496760_77496777	AGTTACTTTTGCACCAGC	42279	hsa-miR-548ah-3p;Derives_from=MI0016796
NovelMiR_KnownLoci_ID0015102	4_-_8007034_8007060	TTCAACGGGTATTTATTGAGCACCCAC	42280	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015103	4_-_8007037_8007060	TTCAACGGGTATTTATTGAGCACC	42281	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015104	4_-_8007038_8007059	TCAACGGGTATTTATTGAGCAC	42282	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015105	4_-_8007038_8007060	TTCAACGGGTATTTATTGAGCAC	42283	hsa-miR-95-3p;Derives_from=MI0000097

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015106	4_-_8007039_8007059	TCAACGGGTATTTATTGAGCA	42284	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015107	4_-_8007040_8007060	TTCAACGGGTATTTATTGACC	42285	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015108	4_-_8007041_8007060	TTCAACGGGTATTTATTGAG	42286	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015109	4_-_8007044_8007060	TTCAACGGGTATTTATT	42287	hsa-miR-95-3p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015110	4_-_8007072_8007094	TCAATAAATGTCTGTTGAATTGA	42288	hsa-miR-95-5p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015111	4_-_8007074_8007095	CTCAATAAATGTCTGTTGAATT	42289	hsa-miR-95-5p;Derives_from=MI0000097
NovelMiR_KnownLoci_ID0015112	4_-_83674499_83674526	AATGAGCCAGTTGGACAGGAGCAG TGCC	42290	hsa-miR-575;Derives_from=MI0003582
NovelMiR_KnownLoci_ID0015113	4_-_83674504_83674526	AATGAGCCAGTTGGACAGGAGCA	42291	hsa-miR-575;Derives_from=MI0003582
NovelMiR_KnownLoci_ID0015114	4_+_86643662_86643684	TTTTGCTGGTAGAGCTGAGGACA	42292	hsa-miR-4451;Derives_from=MI0016797
NovelMiR_KnownLoci_ID0015115	4_+_86643666_86643686	GCTGGTAGAGCTGAGGACAGC	42293	hsa-miR-4451;Derives_from=MI0016797
NovelMiR_KnownLoci_ID0015116	4_+_86643667_86643683	CTGGTAGAGCTGAGGAC	42294	hsa-miR-4451;Derives_from=MI0016797
NovelMiR_KnownLoci_ID0015117	4_+_86643667_86643686	CTGGTAGAGCTGAGGACAGC	42295	hsa-miR-4451;Derives_from=MI0016797
NovelMiR_KnownLoci_ID0015118	4_+_86643669_86643686	GGTAGAGCTGAGGACAGC	42296	hsa-miR-4451;Derives_from=MI0016797
NovelMiR_KnownLoci_ID0015119	4_+_99918583_99918599	TGTTAGACCTAGTACAC	42297	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015120	4_+_99918583_99918601	TGTTAGACCTAGTACACGT	42298	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015121	4_+_99918583_99918602	TGTTAGACCTAGTACACGTC	42299	hsa-miR-3684;Derives_from=MI0016085

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015122	4_+_99918583_99918603	TGTTAGACCTAGTACACGTCC	42300	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015123	4_+_99918583_99918604	TGTTAGACCTAGTACACGTCCT	42301	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015124	4_+_99918585_99918602	TTAGACCTAGTACACGTC	42302	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015125	4_+_99918585_99918604	TTAGACCTAGTACACGTCCT	42303	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015126	4_+_99918585_99918606	TTAGACCTAGTACACGTCCTTT	42304	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015127	4_+_99918585_99918607	TTAGACCTAGTACACGTCCTTTA	42305	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015128	4_+_99918585_99918611	TTAGACCTAGTACACGTCCTTTAG ATT	42306	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015129	4_+_99918587_99918606	AGACCTAGTACACGTCCTTT	42307	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015130	4_+_99918587_99918608	AGACCTAGTACACGTCCTTTAG	42308	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015131	4_+_99918590_99918605	CCTAGTACACGTCCTT	42309	hsa-miR-3684;Derives_from=MI0016085
NovelMiR_KnownLoci_ID0015132	5_+_10478219_10478236	GCCTGCTCAGATGGGAGT	42310	hsa-miR-6131;Derives_from=MI0021276
NovelMiR_KnownLoci_ID0015133	5_+_10478219_10478238	GGCTGGTCAGATGGGAGTGG	42311	hsa-miR-6131;Derives_from=MI0021276
NovelMiR_KnownLoci_ID0015134	5_+_10478219_10478239	GGCTGGTCAGATGGGAGTGGA	42312	hsa-miR-6131;Derives_from=MI0021276
NovelMiR_KnownLoci_ID0015135	5_+_10478219_10478241	GGCTGGTCAGATGGGAGTGGACA	42313	hsa-miR-6131;Derives_from=MI0021276
NovelMiR_KnownLoci_ID0015136	5_-_1063018_1063039	TCTTGAAGTCAGAACCCGCAAA	42314	hsa-miR-4635;Derives_from=MI0017262
NovelMiR_KnownLoci_ID0015137	5_-_1063019_1063038	CTTGAAGTCAGAACCCGCAA	42315	hsa-miR-4635;Derives_from=MI0017262

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015138	5_-_1063019_1063040	GTCTTGAAGTCAGAACCCGCAA	42316	hsa-miR-4635;Derives_from=MI0017262
NovelMiR_KnownLoci_ID0015139	5_-_1063020_1063039	TCTTGAAGTCAGAACCCGCA	42317	hsa-miR-4635;Derives_from=MI0017262
NovelMiR_KnownLoci_ID0015140	5_-_1063020_1063040	GTCTTGAAGTCAGAACCCGCA	42318	hsa-miR-4635;Derives_from=MI0017262
NovelMiR_KnownLoci_ID0015141	5_-_1063021_1063039	TCTTGAAGTCAGAACCCGC	42319	hsa-miR-4635;Derives_from=MI0017262
NovelMiR_KnownLoci_ID0015142	5_-_1063022_1063039	TCTTGAAGTCAGAACCCG	42320	hsa-miR-4635;Derives_from=MI0017262
NovelMiR_KnownLoci_ID0015143	5_+_118490341_118490360	TTCTGGATAACATGCTGAAG	42321	hsa-miR-5706;Derives_from=MI0019314
NovelMiR_KnownLoci_ID0015144	5_+_118490341_118490361	TTCTGGATAACATGCTGAAGC	42322	hsa-miR-5706;Derives_from=MI0019314
NovelMiR_KnownLoci_ID0015145	5_+_118490341_118490363	TTCTGGATAACATGCTGAAGCTT	42323	hsa-miR-5706;Derives_from=MI0019314
NovelMiR_KnownLoci_ID0015146	5_+_118490341_118490364	TTCTGGATAACATGCTGAAGCTTC	42324	hsa-miR-5706;Derives_from=MI0019314
NovelMiR_KnownLoci_ID0015147	5_+_118490345_118490365	GGATAACATGCTGAAGCTTCT	42325	hsa-miR-5706;Derives_from=MI0019314
NovelMiR_KnownLoci_ID0015148	5_+_128433390_128433408	TCCGCATATGCCTGGCTAG	42326	hsa-miR-4633-5p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015149	5_+_128433390_128433412	TCCGCATATGCCTGGCTAGCTCC	42327	hsa-miR-4633-5p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015150	5_+_128433391_128433411	CCGCATATGCCTGGCTAGCTC	42328	hsa-miR-4633-5p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015151	5_+_128433392_128433413	CGCATATGCCTGGCTAGCTCCT	42329	hsa-miR-4633-5p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015152	5_+_128433430_128433452	AGGAGCTAGCCAGGCATATGCAG	42330	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015153	5_+_128433430_128433455	AGGAGCTAGCCAGGCATATGCAGAGC	42331	hsa-miR-4633-3p;Derives_from=MI0017260

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015154	5_+_128433431_128433455	GGAGCTAGCCAGGCATATGCAGAGC	42332	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015155	5_+_128433432_128433452	GAGCTAGCCAGGCATATGCAG	42333	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015156	5_+_128433432_128433453	GAGCTAGCCAGGCATATGCAGA	42334	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015157	5_+_128433432_128433455	GAGCTAGCCAGGCATATGCAGAGC	42335	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015158	5_+_128433433_128433454	AGCTAGCCAGGCATATGCAGAG	42336	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015159	5_+_128433433_128433455	AGCTAGCCAGGCATATGCAGAGC	42337	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015160	5_+_128433440_128433457	CAGGCATATGCAGAGCGT	42338	hsa-miR-4633-3p;Derives_from=MI0017260
NovelMiR_KnownLoci_ID0015161	5_-_128732802_128732829	ATAGTGGTTGTGAATTTACCTTCTCCTC	42339	hsa-miR-4460;Derives_from=MI0016806
NovelMiR_KnownLoci_ID0015162	5_-_128732807_128732828	TAGTGGTTGTGAATTTACCTTC	42340	hsa-miR-4460;Derives_from=MI0016806
NovelMiR_KnownLoci_ID0015163	5_-_128732808_128732828	TAGTGGTTGTGAATTTACCTT	42341	hsa-miR-4460;Derives_from=MI0016806
NovelMiR_KnownLoci_ID0015164	5_-_1309428_1309450	TCACAAGGTATTGACTGGCGTAT	42342	hsa-miR-4457;Derives_from=MI0016803
NovelMiR_KnownLoci_ID0015165	5_-_1309429_1309451	TTCACAAGGTATTGACTGGCGTA	42343	hsa-miR-4457;Derives_from=MI0016803
NovelMiR_KnownLoci_ID0015166	5_-_1309430_1309450	TCACAAGGTATTGACTGGCGT	42344	hsa-miR-4457;Derives_from=MI0016803
NovelMiR_KnownLoci_ID0015167	5_-_1309430_1309451	TTCACAAGGTATTGACTGGCGT	42345	hsa-miR-4457;Derives_from=MI0016803
NovelMiR_KnownLoci_ID0015168	5_-_1309431_1309450	TCACAAGGTATTGACTGGCG	42346	hsa-miR-4457;Derives_from=MI0016803
NovelMiR_KnownLoci_ID0015169	5_-_1309431_1309451	TTCACAAGGTATTGACTGGCG	42347	hsa-miR-4457;Derives_from=MI0016803

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015170	5_-_1309433_1309451	TTCACAAGGTATTGACTGG	42348	hsa-miR-4457;Derives_from=MI0016803
NovelMiR_KnownLoci_ID0015171	5_-_131553541_131553562	TCTTTCTTCTCTCCCTTGCAGG	42349	hsa-miR-6830-3p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015172	5_-_131553541_131553564	TGTCTTTCTTCTCTCCCTTGCAGG	42350	hsa-miR-6830-3p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015173	5_-_131553543_131553564	TGTCTTTCTTCTCTCCCTTGCA	42351	hsa-miR-6830-3p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015174	5_-_131553544_131553564	TGTCTTTCTTCTCTCCCTTGC	42352	hsa-miR-6830-3p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015175	5_-_131553579_131553595	GGCTGGACATCCCTCAT	42353	hsa-miR-6830-5p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015176	5_-_131553584_131553606	CCAAGGAAGGAGGCTGGACATCC	42354	hsa-miR-6830-5p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015177	5_-_131553585_131553607	CCCAAGGAAGGAGGCTGGACATC	42355	hsa-miR-6830-5p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015178	5_-_131553586_131553607	CCCAAGGAAGGAGGCTGGACAT	42356	hsa-miR-6830-5p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015179	5_-_131553588_131553608	CCCCAAGGAAGGAGGCTGGAC	42357	hsa-miR-6830-5p;Derives_from=MI0022675
NovelMiR_KnownLoci_ID0015180	5_-_131701203_131701226	TAAGGGGTGTATGGCAGATGCACC	42358	hsa-miR-3936;Derives_from=MI0016592
NovelMiR_KnownLoci_ID0015181	5_-_131701204_131701226	TAAGGGGTGTATGGCAGATGCAC	42359	hsa-miR-3936;Derives_from=MI0016592
NovelMiR_KnownLoci_ID0015182	5_-_131701206_131701226	TAAGGGGTGTATGGCAGATGC	42360	hsa-miR-3936;Derives_from=MI0016592
NovelMiR_KnownLoci_ID0015183	5_-_131701207_131701226	TAAGGGGTGTATGGCAGATG	42361	hsa-miR-3936;Derives_from=MI0016592
NovelMiR_KnownLoci_ID0015184	5_-_132763306_132763329	TGGAGTCCAGGAATCTGCATTTTT	42362	hsa-miR-1289;Derives_from=MI0006351
NovelMiR_KnownLoci_ID0015185	5_-_132763312_132763334	GGGTGTGGAGTCCAGGAATCTGC	42363	hsa-miR-1289;Derives_from=MI0006351

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015186	5_+_133561466_133561484	CTTGACCTGGGACTCGGAC	42364	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015187	5_+_133561466_133561488	CTTGACCTGGGACTCGGACAGCT	42365	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015188	5_+_133561466_133561489	CTTGACCTGGGACTCGGACAGCTG	42366	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015189	5_+_133561467_133561488	TTGACCTGGGACTCGGACAGCT	42367	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015190	5_+_133561467_133561489	TTGACCTGGGACTCGGACAGCTG	42368	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015191	5_+_133561468_133561483	TGACCTGGGACTCGGA	42369	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015192	5_+_133561468_133561484	TGACCTGGGACTCGGAC	42370	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015193	5_+_133561468_133561486	TGACCTGGGACTCGGACAG	42371	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015194	5_+_133561468_133561487	TGACCTGGGACTCGGACAGC	42372	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015195	5_+_133561468_133561488	TGACCTGGGACTCGGACAGCT	42373	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015196	5_+_133561468_133561490	TGACCTGGGACTCGGACAGCTGC	42374	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015197	5_+_133561468_133561492	TGACCTGGGACTCGGACAGCTGCT T	42375	hsa-miR-3661;Derives_from=MI0016062
NovelMiR_KnownLoci_ID0015198	5_+_134263768_134263783	GTTGGAGATTGAGACT	42376	hsa-miR-4461;Derives_from=MI0016807
NovelMiR_KnownLoci_ID0015199	5_+_134263768_134263784	GTTGGAGATTGAGACTA	42377	hsa-miR-4461;Derives_from=MI0016807
NovelMiR_KnownLoci_ID0015200	5_+_134263771_134263788	GGAGATTGAGACTAGTAG	42378	hsa-miR-4461;Derives_from=MI0016807
NovelMiR_KnownLoci_ID0015201	5_+_134263771_134263798	GGAGATTGAGACTAGTAGGGCTAG GCCT	42379	hsa-miR-4461;Derives_from=MI0016807

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015202	5_-_136983268_136983292	CTGCCCTGGCCCGAGGGACCGACT G	42380	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015203	5_-_136983269_136983292	CTGCCCTGGCCCGAGGGACCGACT	42381	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015204	5_-_136983270_136983292	CTGCCCTGGCCCGAGGGACCGAC	42382	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015205	5_-_136983271_136983291	TGCCCTGGCCCGAGGGACCGA	42383	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015206	5_-_136983272_136983292	CTGCCCTGGCCCGAGGGACCG	42384	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015207	5_-_136983273_136983292	CTGCCCTGGCCCGAGGGACC	42385	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015208	5_-_136983274_136983292	CTGCCCTGGCCCGAGGGAC	42386	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015209	5_-_136983276_136983292	CTGCCCTGGCCCGAGGG	42387	hsa-miR-874-3p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015210	5_-_136983305_136983329	CGGCCCCACGCACCCAGGGTAAGAG A	42388	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015211	5_-_136983306_136983329	CGGCCCCACGCACCCAGGGTAAGAG	42389	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015212	5_-_136983307_136983328	GGCCCCACGCACCCAGGGTAAGA	42390	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015213	5_-_136983308_136983329	CGGCCCCACGCACCCAGGGTAAG	42391	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015214	5_-_136983309_136983329	CGGCCCCACGCACCCAGGGTAA	42392	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015215	5_-_136983310_136983329	CGGCCCCACGCACCCAGGGTA	42393	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015216	5_-_136983311_136983329	CGGCCCCACGCACCCAGGGT	42394	hsa-miR-874-5p;Derives_from=MI0005532
NovelMiR_KnownLoci_ID0015217	5_-_139943251_139943277	CTGACTAACTCCCCACTCTACAGGG AAC	42395	hsa-miR-6831-3p;Derives_from=MI0022676

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015218	5_-_139943252_139943273	CTAACTCCCACTCTACAGGAA	42396	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015219	5_-_139943253_139943273	CTAACTCCCACTCTACAGGGA	42397	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015220	5_-_139943254_139943273	CTAACTCCCACTCTACAGGG	42398	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015221	5_-_139943254_139943277	CTGACTAACTCCCACTCTACAGGG	42399	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015222	5_-_139943255_139943273	CTAACTCCCACTCTACAGG	42400	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015223	5_-_139943255_139943274	ACTAACTCCCACTCTACAGG	42401	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015224	5_-_139943255_139943276	TGACTAACTCCCACTCTACAGG	42402	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015225	5_-_139943265_139943282	TTAAACTGACTAACTCCC	42403	hsa-miR-6831-3p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015226	5_-_139943306_139943322	AGGAGGAGGTCTGAGCC	42404	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015227	5_-_139943306_139943327	GTGTGAGGAGGAGGTCTGAGCC	42405	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015228	5_-_139943311_139943335	TAGGTAGAGTGTGAGGAGGAGGTCT	42406	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015229	5_-_139943311_139943336	GTAGGTAGAGTGTGAGGAGGAGGT CT	42407	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015230	5_-_139943313_139943335	TAGGTAGAGTGTGAGGAGGAGGT	42408	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015231	5_-_139943314_139943335	TAGGTAGAGTGTGAGGAGGAGG	42409	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015232	5_-_139943315_139943335	TAGGTAGAGTGTGAGGAGGAG	42410	hsa-miR-6831-5p;Derives_from=MI0022676
NovelMiR_KnownLoci_ID0015233	5_-_139943315_139943336	GTAGGTAGAGTGTGAGGAGGAG	42411	hsa-miR-6831-5p;Derives_from=MI0022676

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015234	5_+_140027423_140027438	GAAAGAGCTTGTCGCT	42412	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015235	5_+_140027423_140027439	GAAAGAGCTTGTCGCTG	42413	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015236	5_+_140027423_140027440	GAAAGAGCTTGTCGCTGC	42414	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015237	5_+_140027423_140027441	GAAAGAGCTTGTCGCTGCG	42415	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015238	5_+_140027423_140027442	GAAAGAGCTTGTCGCTGCGG	42416	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015239	5_+_140027423_140027446	GAAAGAGCTTGTCGCTGCGGTGTT	42417	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015240	5_+_140027426_140027443	AGAGCTTGTCGCTGCGGT	42418	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015241	5_+_140027426_140027445	AGAGCTTGTCGCTGCGGTGT	42419	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015242	5_+_140027426_140027449	AGAGCTTGTCGCTGCGGTGTTGCT	42420	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015243	5_+_140027427_140027447	GAGCTTGTCGCTGCGGTGTTG	42421	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015244	5_+_140027430_140027447	CTTGTCGCTGCGGTGTTG	42422	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015245	5_+_140027430_140027455	CTTGTCGCTGCGGTGTTGCTGTTG GA	42423	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015246	5_+_140027432_140027453	TGTCGCTGCGGTGTTGCTGTTC	42424	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015247	5_+_140027433_140027450	GTCGCTGCGGTGTTGCTG	42425	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015248	5_+_140027433_140027455	GTCGCTGCGGTGTTGCTGTTGGA	42426	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015249	5_+_140027435_140027455	CGCTGCGGTGTTGCTGTTGGA	42427	hsa-miR-3655;Derives_from=MI0016055

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015250	5_+_140027436_140027455	GCTGCGGTGTTGCTGTTGGA	42428	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015251	5_+_140027437_140027455	CTGCGGTGTTGCTGTTGGA	42429	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015252	5_+_140027438_140027455	TGCGGTGTTGCTGTTGGA	42430	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015253	5_+_140027439_140027455	GCGGTGTTGCTGTTGGA	42431	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015254	5_+_140027440_140027455	CGGTGTTGCTGTTGGA	42432	hsa-miR-3655;Derives_from=MI0016055
NovelMiR_KnownLoci_ID0015255	5_+_143059451_143059472	CAATGGCACAAACTCATTCTTG	42433	hsa-miR-5197-5p;Derives_from=MI0018176
NovelMiR_KnownLoci_ID0015256	5_+_143059452_143059473	AATGGCACAAACTCATTCTTGA	42434	hsa-miR-5197-5p;Derives_from=MI0018176
NovelMiR_KnownLoci_ID0015257	5_-_14826040_14826062	TACTAACTGCAGATTCAAGTGAG	42435	hsa-miR-4637;Derives_from=MI0017264
NovelMiR_KnownLoci_ID0015258	5_-_14826041_14826061	ACTAACTGCAGATTCAAGTGA	42436	hsa-miR-4637;Derives_from=MI0017264
NovelMiR_KnownLoci_ID0015259	5_-_14826042_14826062	TACTAACTGCAGATTCAAGTG	42437	hsa-miR-4637;Derives_from=MI0017264
NovelMiR_KnownLoci_ID0015260	5_-_14826043_14826062	TACTAACTGCAGATTCAAGT	42438	hsa-miR-4637;Derives_from=MI0017264
NovelMiR_KnownLoci_ID0015261	5_-_14826044_14826062	TACTAACTGCAGATTCAAG	42439	hsa-miR-4637;Derives_from=MI0017264
NovelMiR_KnownLoci_ID0015262	5_-_148441893_148441918	TCAGTTCCAGGCCAACCAGGCTGGTT	42440	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015263	5_-_148441894_148441918	TCAGTTCCAGGCCAACCAGGCTGGT	42441	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015264	5_-_148441895_148441916	AGTTCCAGGCCAACCAGGCTGG	42442	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015265	5_-_148441895_148441918	TCAGTTCCAGGCCAACCAGGCTGG	42443	hsa-miR-584-3p;Derives_from=MI0003591

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015266	5_-_148441896_148441916	AGTTCCAGGCCAACCAGGCTG	42444	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015267	5_-_148441896_148441918	TCAGTTCCAGGCCAACCAGGCTG	42445	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015268	5_-_148441897_148441917	CAGTTCCAGGCCAACCAGGCT	42446	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015269	5_-_148441898_148441917	CAGTTCCAGGCCAACCAGGC	42447	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015270	5_-_148441898_148441918	TCAGTTCCAGGCCAACCAGGC	42448	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015271	5_-_148441899_148441918	TCAGTTCCAGGCCAACCAGG	42449	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015272	5_-_148441900_148441918	TCAGTTCCAGGCCAACCAG	42450	hsa-miR-584-3p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015273	5_-_148441931_148441957	TTATGGTTTGCCTGGGACTGAGGAATT	42451	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015274	5_-_148441934_148441957	TTATGGTTTGCCTGGGACTGAGGA	42452	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015275	5_-_148441935_148441957	TTATGGTTTGCCTGGGACTGAGG	42453	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015276	5_-_148441936_148441956	TATGGTTTGCCTGGGACTGAG	42454	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015277	5_-_148441936_148441958	ATTATGGTTTGCCTGGGACTGAG	42455	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015278	5_-_148441937_148441956	TATGGTTTGCCTGGGACTGA	42456	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015279	5_-_148441937_148441957	TTATGGTTTGCCTGGGACTGA	42457	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015280	5_-_148441937_148441958	ATTATGGTTTGCCTGGGACTGA	42458	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015281	5_-_148441938_148441957	TTATGGTTTGCCTGGGACTG	42459	hsa-miR-584-5p;Derives_from=MI0003591

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015282	5_-_148441939_148441957	TTATGGTTTGCCTGGGACT	42460	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015283	5_-_148441940_148441957	TTATGGTTTGCCTGGGAC	42461	hsa-miR-584-5p;Derives_from=MI0003591
NovelMiR_KnownLoci_ID0015284	5_+_148808506_148808527	AGGTTGCAGTGCTGCATCTCTGG	42462	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015285	5_+_148808507_148808523	GGTGCAGTGCTGCATCT	42463	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015286	5_+_148808507_148808524	GGTGCAGTGCTGCATCTC	42464	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015287	5_+_148808507_148808525	GGTGCAGTGCTGCATCTCT	42465	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015288	5_+_148808507_148808526	GGTGCAGTGCTGCATCTCTG	42466	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015289	5_+_148808507_148808527	GGTGCAGTGCTGCATCTCTGG	42467	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015290	5_+_148808507_148808529	GGTGCAGTGCTGCATCTCTGGTC	42468	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015291	5_+_148808507_148808530	GGTGCAGTGCTGCATCTCTGGTCA	42469	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015292	5_+_148808507_148808532	GGTGCAGTGCTGCATCTCTGGTCAGT	42470	hsa-miR-143-5p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015293	5_+_148808541_148808557	TGAGATGAAGCACTGTA	42471	hsa-miR-143-3p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015294	5_+_148808541_148808559	TGAGATGAAGCACTGTAGC	42472	hsa-miR-143-3p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015295	5_+_148808541_148808560	TGAGATGAAGCACTGTAGCT	42473	hsa-miR-143-3p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015296	5_+_148808541_148808562	TGAGATGAAGCACTGTAGCTCA	42474	hsa-miR-143-3p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015297	5_+_148808541_148808563	TGAGATGAAGCACTGTAGCTCAG	42475	hsa-miR-143-3p;Derives_from=MI0000459

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015298	5_+_148808541_148808565	TGAGATGAAGCACTGTAGCTCAGGA	42476	hsa-miR-143-3p;Derives_from=MI0000459
NovelMiR_KnownLoci_ID0015299	5_+_148810224_148810243	GTCCAGTTTTCCCAGGAATC	42477	hsa-miR-145-5p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015300	5_+_148810224_148810244	GTCCAGTTTTCCCAGGAATCC	42478	hsa-miR-145-5p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015301	5_+_148810224_148810245	GTCCAGTTTTCCCAGGAATCCC	42479	hsa-miR-145-5p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015302	5_+_148810224_148810247	GTCCAGTTTTCCCAGGAATCCCTT	42480	hsa-miR-145-5p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015303	5_+_148810224_148810248	GTCCAGTTTTCCCAGGAATCCCTTA	42481	hsa-miR-145-5p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015304	5_+_148810224_148810251	GTCCAGTTTTCCCAGGAATCCCTTAGAT	42482	hsa-miR-145-5p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015305	5_+_148810262_148810278	GGATTCCTGGAAATACT	42483	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015306	5_+_148810262_148810279	GGATTCCTGGAAATACTG	42484	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015307	5_+_148810262_148810281	GGATTCCTGGAAATACTGTT	42485	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015308	5_+_148810262_148810282	GGATTCCTGGAAATACTGTTC	42486	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015309	5_+_148810262_148810284	GGATTCCTGGAAATACTGTTCTT	42487	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015310	5_+_148810262_148810285	GGATTCCTGGAAATACTGTTCTTG	42488	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015311	5_+_148810263_148810283	GATTCCTGGAAATACTGTTCT	42489	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015312	5_+_148810263_148810284	GATTCCTGGAAATACTGTTCTT	42490	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015313	5_+_148810264_148810281	ATTCCTGGAAATACTGTT	42491	hsa-miR-145-3p;Derives_from=MI0000461

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015314	5_+_148810264_148810282	ATTCCTGGAAATACTGTTC	42492	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015315	5_+_148810264_148810283	ATTCCTGGAAATACTGTTCT	42493	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015316	5_+_148810264_148810284	ATTCCTGGAAATACTGTTCTT	42494	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015317	5_+_148810264_148810285	ATTCCTGGAAATACTGTTCTTG	42495	hsa-miR-145-3p;Derives_from=MI0000461
NovelMiR_KnownLoci_ID0015318	5_+_149112392_149112411	CTCCTGACTCCAGGTCCTGT	42496	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015319	5_+_149112392_149112412	CTCCTGACTCCAGGTCCTGTG	42497	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015320	5_+_149112392_149112414	CTCCTGACTCCAGGTCCTGTGTG	42498	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015321	5_+_149112392_149112415	CTCCTGACTCCAGGTCCTGTGTGT	42499	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015322	5_+_149112393_149112413	TCCTGACTCCAGGTCCTGTGT	42500	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015323	5_+_149112393_149112414	TCCTGACTCCAGGTCCTGTGTG	42501	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015324	5_+_149112393_149112419	TCCTGACTCCAGGTCCTGTGTTACC	42502	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015325	5_+_149112394_149112415	CCTGACTCCAGGTCCTGTGTGT	42503	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015326	5_+_149112394_149112419	CCTGACTCCAGGTCCTGTGTGTTACC	42504	hsa-miR-378a-5p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015327	5_+_149112424_149112439	AATAGCACTGGACTTG	42505	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015328	5_+_149112425_149112451	ATAGCACTGGACTTGGAGTCAGAAGGC	42506	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015329	5_+_149112426_149112451	TAGCACTGGACTTGGAGTCAGAAGGC	42507	hsa-miR-378a-3p;Derives_from=MI0000786

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015330	5_+_149112427_149112449	AGCACTGGACTTGGAGTCAGAAG	42508	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015331	5_+_149112427_149112450	AGCACTGGACTTGGAGTCAGAAGG	42509	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015332	5_+_149112427_149112451	AGCACTGGACTTGGAGTCAGAAGG C	42510	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015333	5_+_149112428_149112449	GCACTGGACTTGGAGTCAGAAG	42511	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015334	5_+_149112428_149112450	GCACTGGACTTGGAGTCAGAAGG	42512	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015335	5_+_149112428_149112451	GCACTGGACTTGGAGTCAGAAGGC	42513	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015336	5_+_149112429_149112455	CACTGGACTTGGAGTCAGAAGGCC TGA	42514	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015337	5_+_149112430_149112451	ACTGGACTTGGAGTCAGAAGGC	42515	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015338	5_+_149112430_149112452	ACTGGACTTGGAGTCAGAAGGCC	42516	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015339	5_+_149112430_149112453	ACTGGACTTGGAGTCAGAAGGCCT	42517	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015340	5_+_149112430_149112454	ACTGGACTTGGAGTCAGAAGGCCT G	42518	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015341	5_+_149112430_149112455	ACTGGACTTGGAGTCAGAAGGCCT GA	42519	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015342	5_+_149112430_149112456	ACTGGACTTGGAGTCAGAAGGCCT GAG	42520	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015343	5_+_149112431_149112455	CTGGACTTGGAGTCAGAAGGCCTG A	42521	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015344	5_+_149112431_149112456	CTGGACTTGGAGTCAGAAGGCCTG AG	42522	hsa-miR-378a-3p;Derives_from=MI0000786
NovelMiR_KnownLoci_ID0015345	5_-_150901647_150901670	AGCAGTGTTTGTTTTTGCCCACAGG	42523	hsa-miR-6499-3p;Derives_from=MI0022209

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015346	5_-_150901650_150901670	AGCAGTGTTTGTTTGCCCAC	42524	hsa-miR-6499-3p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015347	5_-_150901661_150901676	GGTGACAGCAGTGTTT	42525	hsa-miR-6499-3p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015348	5_-_150901678_150901696	AGAGCACTGCAGTTCTGTT	42526	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015349	5_-_150901682_150901705	TCGGGCGCAAGAGCACTGCAGTTC	42527	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015350	5_-_150901683_150901705	TCGGGCGCAAGAGCACTGCAGTT	42528	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015351	5_-_150901685_150901705	TCGGGCGCAAGAGCACTGCAG	42529	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015352	5_-_150901686_150901705	TCGGGCGCAAGAGCACTGCA	42530	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015353	5_-_150901686_150901707	AGTCGGGCGCAAGAGCACTGCA	42531	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015354	5_-_150901692_150901710	CTCAGTCGGGCGCAAGAGC	42532	hsa-miR-6499-5p;Derives_from=MI0022209
NovelMiR_KnownLoci_ID0015355	5_-_1510876_1510896	CAGGCGGCATTGGTGTCACCC	42533	hsa-miR-6075;Derives_from=MI0020352
NovelMiR_KnownLoci_ID0015356	5_+_153726710_153726731	TCCTGTGAGGTTGGCATTGTTG	42534	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015357	5_+_153726710_153726732	TCCTGTGAGGTTGGCATTGTTGT	42535	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015358	5_+_153726712_153726732	CTGTGAGGTTGGCATTGTTGT	42536	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015359	5_+_153726713_153726730	TGTGAGGTTGGCATTGTT	42537	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015360	5_+_153726713_153726731	TGTGAGGTTGGCATTGTTG	42538	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015361	5_+_153726713_153726732	TGTGAGGTTGGCATTGTTGT	42539	hsa-miR-1294;Derives_from=MI0006356

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015362	5_+_153726713_153726733	TGTGAGGTTGGCATTGTTGTC	42540	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015363	5_+_153726713_153726735	TGTGAGGTTGGCATTGTTGTCTG	42541	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015364	5_+_153726713_153726737	TGTGAGGTTGGCATTGTTGTCTGG C	42542	hsa-miR-1294;Derives_from=MI0006356
NovelMiR_KnownLoci_ID0015365	5_+_154065383_154065406	AAATTTTAGAGACGGGGTCTTGCT	42543	hsa-miR-1303;Derives_from=MI0006370
NovelMiR_KnownLoci_ID0015366	5_+_154209020_154209038	AGGAACACTGGACTTGGTG	42544	hsa-miR-378h;Derives_from=MI0016808
NovelMiR_KnownLoci_ID0015367	5_+_154209026_154209043	ACTGGACTTGGTGTCAGA	42545	hsa-miR-378h;Derives_from=MI0016808
NovelMiR_KnownLoci_ID0015368	5_+_154209026_154209045	ACTGGACTTGGTGTCAGATG	42546	hsa-miR-378h;Derives_from=MI0016808
NovelMiR_KnownLoci_ID0015369	5_+_154209026_154209047	ACTGGACTTGGTGTCAGATGGG	42547	hsa-miR-378h;Derives_from=MI0016808
NovelMiR_KnownLoci_ID0015370	5_+_154209026_154209048	ACTGGACTTGGTGTCAGATGGGA	42548	hsa-miR-378h;Derives_from=MI0016808
NovelMiR_KnownLoci_ID0015371	5_+_154209026_154209049	ACTGGACTTGGTGTCAGATGGGAT	42549	hsa-miR-378h;Derives_from=MI0016808
NovelMiR_KnownLoci_ID0015372	5_+_15935294_15935310	CAGATCCTTGGGAGCCC	42550	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015373	5_+_15935298_15935316	TCCTTGGGAGCCCTGTTAG	42551	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015374	5_+_15935298_15935317	TCCTTGGGAGCCCTGTTAGA	42552	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015375	5_+_15935298_15935318	TCCTTGGGAGCCCTGTTAGAC	42553	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015376	5_+_15935298_15935319	TCCTTGGGAGCCCTGTTAGACT	42554	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015377	5_+_15935298_15935320	TCCTTGGGAGCCCTGTTAGACTC	42555	hsa-miR-887-5p;Derives_from=MI0005562

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015378	5_+_15935298_15935321	TCCTTGGGAGCCCTGTTAGACTCT	42556	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015379	5_+_15935298_15935322	TCCTTGGGAGCCCTGTTAGACTCTG	42557	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015380	5_+_15935298_15935323	TCCTTGGGAGCCCTGTTAGACTCTGG	42558	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015381	5_+_15935299_15935315	CCTTGGGAGCCCTGTTA	42559	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015382	5_+_15935299_15935318	CCTTGGGAGCCCTGTTAGAC	42560	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015383	5_+_15935299_15935319	CCTTGGGAGCCCTGTTAGACT	42561	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015384	5_+_15935299_15935320	CCTTGGGAGCCCTGTTAGACTC	42562	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015385	5_+_15935299_15935321	CCTTGGGAGCCCTGTTAGACTCT	42563	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015386	5_+_15935299_15935324	CCTTGGGAGCCCTGTTAGACTCTGGA	42564	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015387	5_+_15935299_15935325	CCTTGGGAGCCCTGTTAGACTCTGGAT	42565	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015388	5_+_15935299_15935326	CCTTGGGAGCCCTGTTAGACTCTGGATT	42566	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015389	5_+_15935308_15935326	CCCTGTTAGACTCTGGATT	42567	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015390	5_+_15935310_15935326	CTGTTAGACTCTGGATT	42568	hsa-miR-887-5p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015391	5_+_15935338_15935353	GTGAACGGGCGCCATC	42569	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015392	5_+_15935338_15935354	GTGAACGGGCGCCATCC	42570	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015393	5_+_15935338_15935355	GTGAACGGGCGCCATCCC	42571	hsa-miR-887-3p;Derives_from=MI0005562

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015394	5_+_15935338_15935356	GTGAACGGGCGCCATCCCG	42572	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015395	5_+_15935338_15935357	GTGAACGGGCGCCATCCCGA	42573	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015396	5_+_15935338_15935358	GTGAACGGGCGCCATCCCGAG	42574	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015397	5_+_15935338_15935360	GTGAACGGGCGCCATCCCGAGGC	42575	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015398	5_+_15935338_15935361	GTGAACGGGCGCCATCCCGAGGCT	42576	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015399	5_+_15935338_15935362	GTGAACGGGCGCCATCCCGAGGCTT	42577	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015400	5_+_15935338_15935363	GTGAACGGGCGCCATCCCGAGGCTTT	42578	hsa-miR-887-3p;Derives_from=MI0005562
NovelMiR_KnownLoci_ID0015401	5_+_159912379_159912398	TGAGAACTGAATTCCATGGG	42579	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015402	5_+_159912379_159912399	TGAGAACTGAATTCCATGGGT	42580	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015403	5_+_159912379_159912401	TGAGAACTGAATTCCATGGGTTG	42581	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015404	5_+_159912379_159912402	TGAGAACTGAATTCCATGGGTTGT	42582	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015405	5_+_159912379_159912404	TGAGAACTGAATTCCATGGGTTGTGT	42583	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015406	5_+_159912379_159912405	TGAGAACTGAATTCCATGGGTTGTGTC	42584	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015407	5_+_159912379_159912406	TGAGAACTGAATTCCATGGGTTGTGTCA	42585	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015408	5_+_159912380_159912400	GAGAACTGAATTCCATGGGTT	42586	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015409	5_+_159912380_159912401	GAGAACTGAATTCCATGGGTTG	42587	hsa-miR-146a-5p;Derives_from=MI0000477

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015410	5_+_159912380_159912402	GAGAACTGAATTCCATGGGTTGT	42588	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015411	5_+_159912381_159912401	AGAACTGAATTCCATGGGTTG	42589	hsa-miR-146a-5p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015412	5_+_159912413_159912432	GACCTCTGAAATTCAGTTCT	42590	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015413	5_+_159912413_159912433	GACCTCTGAAATTCAGTTCTT	42591	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015414	5_+_159912413_159912434	GACCTCTGAAATTCAGTTCTTC	42592	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015415	5_+_159912413_159912435	GACCTCTGAAATTCAGTTCTTCA	42593	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015416	5_+_159912413_159912437	GACCTCTGAAATTCAGTTCTTCAGC	42594	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015417	5_+_159912414_159912432	ACCTCTGAAATTCAGTTCT	42595	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015418	5_+_159912414_159912433	ACCTCTGAAATTCAGTTCTT	42596	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015419	5_+_159912414_159912434	ACCTCTGAAATTCAGTTCTTC	42597	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015420	5_+_159912414_159912435	ACCTCTGAAATTCAGTTCTTCA	42598	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015421	5_+_159912414_159912436	ACCTCTGAAATTCAGTTCTTCAG	42599	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015422	5_+_159912414_159912437	ACCTCTGAAATTCAGTTCTTCAGC	42600	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015423	5_+_159912415_159912435	CCTCTGAAATTCAGTTCTTCA	42601	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015424	5_+_159912415_159912437	CCTCTGAAATTCAGTTCTTCAGC	42602	hsa-miR-146a-3p;Derives_from=MI0000477
NovelMiR_KnownLoci_ID0015425	5_+_159912417_159912438	TCTGAAATTCAGTTCTTCAGCT	42603	hsa-miR-146a-3p;Derives_from=MI0000477

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015426	5_-_167987905_167987931	AGCAGCATTGTACAGGGCTATGAAGGC	42604	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015427	5_-_167987906_167987929	CAGCATTGTACAGGGCTATGAAGG	42605	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015428	5_-_167987906_167987930	GCAGCATTGTACAGGGCTATGAAGG	42606	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015429	5_-_167987906_167987931	AGCAGCATTGTACAGGGCTATGAAGG	42607	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015430	5_-_167987907_167987929	CAGCATTGTACAGGGCTATGAAG	42608	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015431	5_-_167987907_167987930	GCAGCATTGTACAGGGCTATGAAG	42609	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015432	5_-_167987907_167987931	AGCAGCATTGTACAGGGCTATGAAG	42610	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015433	5_-_167987909_167987929	CAGCATTGTACAGGGCTATGA	42611	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015434	5_-_167987910_167987931	AGCAGCATTGTACAGGGCTATG	42612	hsa-miR-103a-3p;Derives_from=MI0000109
NovelMiR_KnownLoci_ID0015435	5_+_167987913_167987935	AGCCCTGTACAATGCTGCTTGAT	42613	hsa-miR-103b;Derives_from=MI0007261
NovelMiR_KnownLoci_ID0015436	5_-_168195168_168195184	TCAAGCACCGCGGAAAG	42614	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015437	5_-_168195171_168195194	CATGGTTCTGTCAAGCACCGCGGA	42615	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015438	5_-_168195172_168195193	ATGGTTCTGTCAAGCACCGCGG	42616	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015439	5_-_168195172_168195194	CATGGTTCTGTCAAGCACCGCGG	42617	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015440	5_-_168195173_168195193	ATGGTTCTGTCAAGCACCGCG	42618	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015441	5_-_168195174_168195194	CATGGTTCTGTCAAGCACCGC	42619	hsa-miR-218-2-3p;Derives_from=MI0000295

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015442	5_-_168195175_168195194	CATGGTTCTGTCAAGCACCG	42620	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015443	5_-_168195178_168195194	CATGGTTCTGTCAAGCA	42621	hsa-miR-218-2-3p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015444	5_-_168195210_168195236	TTGTGCTTGATCTAACCATGTGGT GGA	42622	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015445	5_-_168195211_168195236	TTGTGCTTGATCTAACCATGTGGT GG	42623	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015446	5_-_168195212_168195236	TTGTGCTTGATCTAACCATGTGGT G	42624	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015447	5_-_168195214_168195236	TTGTGCTTGATCTAACCATGTGG	42625	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015448	5_-_168195215_168195235	TGTGCTTGATCTAACCATGTG	42626	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015449	5_-_168195215_168195236	TTGTGCTTGATCTAACCATGTG	42627	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015450	5_-_168195217_168195236	TTGTGCTTGATCTAACCATG	42628	hsa-miR-218-5p;Derives_from=MI0000295
NovelMiR_KnownLoci_ID0015451	5_-_168690614_168690631	ATCTGTATGCTAGGGCTG	42629	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015452	5_-_168690614_168690634	CGTATCTGTATGCTAGGGCTG	42630	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015453	5_-_168690614_168690636	GGCGTATCTGTATGCTAGGGCTG	42631	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015454	5_-_168690615_168690636	GGCGTATCTGTATGCTAGGGCT	42632	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015455	5_-_168690615_168690638	TGGGCGTATCTGTATGCTAGGGCT	42633	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015456	5_-_168690616_168690636	GGCGTATCTGTATGCTAGGGC	42634	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015457	5_-_168690616_168690638	TGGGCGTATCTGTATGCTAGGGC	42635	hsa-miR-585-3p;Derives_from=MI0003592

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015458	5_-_168690616_168690639	TTGGGCGTATCTGTATGCTAGGGC	42636	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015459	5_-_168690617_168690638	TGGGCGTATCTGTATGCTAGGG	42637	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015460	5_-_168690618_168690638	TGGGCGTATCTGTATGCTAGG	42638	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015461	5_-_168690618_168690639	TTGGGCGTATCTGTATGCTAGG	42639	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015462	5_-_168690619_168690638	TGGGCGTATCTGTATGCTAG	42640	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015463	5_-_168690619_168690639	TTGGGCGTATCTGTATGCTAG	42641	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015464	5_-_168690621_168690637	GGGCGTATCTGTATGCT	42642	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015465	5_-_168690621_168690638	TGGGCGTATCTGTATGCT	42643	hsa-miR-585-3p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015466	5_-_168690651_168690673	TAGCACACAGATACGCCCAGAGA	42644	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015467	5_-_168690652_168690674	CTAGCACACAGATACGCCCAGAG	42645	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015468	5_-_168690653_168690673	TAGCACACAGATACGCCCAGA	42646	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015469	5_-_168690653_168690675	CCTAGCACACAGATACGCCCAGA	42647	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015470	5_-_168690654_168690674	CTAGCACACAGATACGCCCAG	42648	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015471	5_-_168690654_168690675	CCTAGCACACAGATACGCCCAG	42649	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015472	5_-_168690655_168690674	CTAGCACACAGATACGCCCA	42650	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015473	5_-_168690655_168690675	CCTAGCACACAGATACGCCCA	42651	hsa-miR-585-5p;Derives_from=MI0003592

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015474	5_-_168690656_168690674	CTAGCACACAGATACGCCC	42652	hsa-miR-585-5p;Derives_from=MI0003592
NovelMiR_KnownLoci_ID0015475	5_+_169455543_169455558	AAGACCACTGGACTTG	42653	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015476	5_+_169455543_169455568	AAGACCACTGGACTTGGAGTCAGGAC	42654	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015477	5_+_169455549_169455568	ACTGGACTTGGAGTCAGGAC	42655	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015478	5_+_169455549_169455569	ACTGGACTTGGAGTCAGGACA	42656	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015479	5_+_169455549_169455570	ACTGGACTTGGAGTCAGGACAT	42657	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015480	5_+_169455549_169455571	ACTGGACTTGGAGTCAGGACATC	42658	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015481	5_+_169455549_169455573	ACTGGACTTGGAGTCAGGACATCAT	42659	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015482	5_+_169455550_169455570	CTGGACTTGGAGTCAGGACAT	42660	hsa-miR-378e;Derives_from=MI0016750
NovelMiR_KnownLoci_ID0015483	5_-_170813677_170813702	TAACGCATAATATGGACATGTTATAA	42661	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015484	5_-_170813678_170813699	CGCATAATATGGACATGTTATA	42662	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015485	5_-_170813678_170813700	ACGCATAATATGGACATGTTATA	42663	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015486	5_-_170813678_170813701	AACGCATAATATGGACATGTTATA	42664	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015487	5_-_170813678_170813702	TAACGCATAATATGGACATGTTATA	42665	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015488	5_-_170813679_170813699	CGCATAATATGGACATGTTAT	42666	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015489	5_-_170813679_170813700	ACGCATAATATGGACATGTTAT	42667	hsa-miR-3912-3p;Derives_from=MI0016416

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015490	5_-_170813680_170813701	AACGCATAATATGGACATGTTA	42668	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015491	5_-_170813680_170813702	TAACGCATAATATGGACATGTTA	42669	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015492	5_-_170813681_170813701	AACGCATAATATGGACATGTT	42670	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015493	5_-_170813681_170813702	TAACGCATAATATGGACATGTT	42671	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015494	5_-_170813682_170813700	ACGCATAATATGGACATGT	42672	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015495	5_-_170813682_170813701	AACGCATAATATGGACATGT	42673	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015496	5_-_170813683_170813702	TAACGCATAATATGGACATG	42674	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015497	5_-_170813684_170813706	ATACTAACGCATAATATGGACAT	42675	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015498	5_-_170813685_170813706	ATACTAACGCATAATATGGACA	42676	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015499	5_-_170813690_170813706	ATACTAACGCATAATAT	42677	hsa-miR-3912-3p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015500	5_-_170813710_170813729	TATTATGGGTTAGTTGTGGA	42678	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015501	5_-_170813710_170813731	CATATTATGGGTTAGTTGTGGA	42679	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015502	5_-_170813710_170813733	TCCATATTATGGGTTAGTTGTGGA	42680	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015503	5_-_170813711_170813732	CCATATTATGGGTTAGTTGTGG	42681	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015504	5_-_170813711_170813733	TCCATATTATGGGTTAGTTGTGG	42682	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015505	5_-_170813712_170813733	TCCATATTATGGGTTAGTTGTG	42683	hsa-miR-3912-5p;Derives_from=MI0016416

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015506	5_-_170813714_170813735	TGTCCATATTATGGGTTAGTTG	42684	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015507	5_-_170813715_170813736	ATGTCCATATTATGGGTTAGTT	42685	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015508	5_-_170813716_170813735	TGTCCATATTATGGGTTAGT	42686	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015509	5_-_170813716_170813737	CATGTCCATATTATGGGTTAGT	42687	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015510	5_-_170813716_170813738	ACATGTCCATATTATGGGTTAGT	42688	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015511	5_-_170813717_170813735	TGTCCATATTATGGGTTAG	42689	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015512	5_-_170813717_170813737	CATGTCCATATTATGGGTTAG	42690	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015513	5_-_170813717_170813738	ACATGTCCATATTATGGGTTAG	42691	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015514	5_-_170813719_170813737	CATGTCCATATTATGGGTT	42692	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015515	5_-_170813719_170813738	ACATGTCCATATTATGGGTT	42693	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015516	5_-_170813719_170813740	TAACATGTCCATATTATGGGTT	42694	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015517	5_-_170813722_170813738	ACATGTCCATATTATGG	42695	hsa-miR-3912-5p;Derives_from=MI0016416
NovelMiR_KnownLoci_ID0015518	5_-_1708953_1708976	GAGGCAGTTCTGAGCACAGTACAC	42696	hsa-miR-4277;Derives_from=MI0015886
NovelMiR_KnownLoci_ID0015519	5_+_172089190_172089208	TCACAACAACCTTGCAGGG	42697	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015520	5_+_172089190_172089209	TCACAACAACCTTGCAGGGT	42698	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015521	5_+_172089190_172089211	TCACAACAACCTTGCAGGGTAG	42699	hsa-miR-5003-5p;Derives_from=MI0017869

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015522	5_+_172089190_172089213	TCACAACAACCTTGCAGGGTAGAG	42700	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015523	5_+_172089191_172089211	CACAACAACCTTGCAGGGTAG	42701	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015524	5_+_172089191_172089212	CACAACAACCTTGCAGGGTAGA	42702	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015525	5_+_172089192_172089211	ACAACAACCTTGCAGGGTAG	42703	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015526	5_+_172089192_172089214	ACAACAACCTTGCAGGGTAGAGA	42704	hsa-miR-5003-5p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015527	5_+_172089224_172089245	CTACTTTTCTAGGTTGTTGGGG	42705	hsa-miR-5003-3p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015528	5_+_172089225_172089243	TACTTTTCTAGGTTGTTGG	42706	hsa-miR-5003-3p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015529	5_+_172089225_172089244	TACTTTTCTAGGTTGTTGGG	42707	hsa-miR-5003-3p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015530	5_+_172089225_172089246	TACTTTTCTAGGTTGTTGGGGG	42708	hsa-miR-5003-3p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015531	5_+_172089225_172089247	TACTTTTCTAGGTTGTTGGGGGC	42709	hsa-miR-5003-3p;Derives_from=MI0017869
NovelMiR_KnownLoci_ID0015532	5_+_172774504_172774521	CCTGTTCGTGGATTGTCT	42710	hsa-miR-8056;Derives_from=MI0025892
NovelMiR_KnownLoci_ID0015533	5_+_172774505_172774525	CTGTTCGTGGATTGTCTGGAT	42711	hsa-miR-8056;Derives_from=MI0025892
NovelMiR_KnownLoci_ID0015534	5_+_174178746_174178765	CGGCGCGACCGGCCCCGGGC	42712	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015535	5_+_174178746_174178766	CGGCGCGACCGGCCCGGGGCT	42713	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015536	5_+_174178746_174178767	CGGCGCGACCGGCCCGGGGCTC	42714	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015537	5_+_174178747_174178762	GGCGCGACCGGCCCGG	42715	hsa-miR-4634;Derives_from=MI0017261

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015538	5_+_174178747_174178764	GGCGCGACCGGCCCGGGG	42716	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015539	5_+_174178747_174178767	GGCGCGACCGGCCCGGGGCTC	42717	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015540	5_+_174178749_174178767	CGCGACCGGCCCGGGGCTC	42718	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015541	5_+_174178749_174178770	CGCGACCGGCCCGGGGCTCTTG	42719	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015542	5_+_174178750_174178770	GCGACCGGCCCGGGGCTCTTG	42720	hsa-miR-4634;Derives_from=MI0017261
NovelMiR_KnownLoci_ID0015543	5_+_175794963_175794981	CTTGGCACCTAGCAAGCAC	42721	hsa-miR-1271-5p;Derives_from=MI0003814
NovelMiR_KnownLoci_ID0015544	5_+_175794963_175794982	CTTGGCACCTAGCAAGCACT	42722	hsa-miR-1271-5p;Derives_from=MI0003814
NovelMiR_KnownLoci_ID0015545	5_+_175794963_175794983	CTTGGCACCTAGCAAGCACTC	42723	hsa-miR-1271-5p;Derives_from=MI0003814
NovelMiR_KnownLoci_ID0015546	5_+_175794963_175794985	CTTGGCACCTAGCAAGCACTCAG	42724	hsa-miR-1271-5p;Derives_from=MI0003814
NovelMiR_KnownLoci_ID0015547	5_-_179225276_179225298	CTCACCACTGCCCTCCCACAGGC	42725	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015548	5_-_179225277_179225298	CTCACCACTGCCCTCCCACAGG	42726	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015549	5_-_179225277_179225299	TCTCACCACTGCCCTCCCACAGG	42727	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015550	5_-_179225277_179225300	CTCTCACCACTGCCCTCCCACAGG	42728	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015551	5_-_179225278_179225301	CCTCTCACCACTGCCCTCCCACAG	42729	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015552	5_-_179225279_179225299	TCTCACCACTGCCCTCCCACA	42730	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015553	5_-_179225279_179225300	CTCTCACCACTGCCCTCCCACA	42731	hsa-miR-1229-3p;Derives_from=MI0006319

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015554	5_-_179225279_179225301	CCTCTCACCACTGCCCTCCCACA	42732	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015555	5_-_179225279_179225302	CCCTCTCACCACTGCCCTCCCACA	42733	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015556	5_-_179225280_179225300	CTCTCACCACTGCCCTCCCAC	42734	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015557	5_-_179225280_179225302	CCCTCTCACCACTGCCCTCCCAC	42735	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015558	5_-_179225281_179225299	TCTCACCACTGCCCTCCCA	42736	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015559	5_-_179225281_179225300	CTCTCACCACTGCCCTCCCA	42737	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015560	5_-_179225281_179225301	CCTCTCACCACTGCCCTCCCA	42738	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015561	5_-_179225282_179225302	CCCTCTCACCACTGCCCTCCC	42739	hsa-miR-1229-3p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015562	5_-_179225317_179225335	TTGGGGGAGAGCGTGGGCT	42740	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015563	5_-_179225317_179225338	GGTTTGGGGGAGAGCGTGGGCT	42741	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015564	5_-_179225318_179225337	GTTTGGGGGAGAGCGTGGGC	42742	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015565	5_-_179225320_179225346	GTGGGTAGGGTTTGGGGGAGAGCGTGG	42743	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015566	5_-_179225321_179225346	GTGGGTAGGGTTTGGGGGAGAGCGTG	42744	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015567	5_-_179225322_179225338	GGTTTGGGGGAGAGCGT	42745	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015568	5_-_179225322_179225346	GTGGGTAGGGTTTGGGGGAGAGCGT	42746	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015569	5_-_179225323_179225345	TGGGTAGGGTTTGGGGGAGAGCG	42747	hsa-miR-1229-5p;Derives_from=MI0006319

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015570	5_-_179225324_179225345	TGGGTAGGGTTTGGGGGAGAGC	42748	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015571	5_-_179225324_179225346	GTGGGTAGGGTTTGGGGGAGAGC	42749	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015572	5_-_179225325_179225345	TGGGTAGGGTTTGGGGGAGAG	42750	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015573	5_-_179225325_179225346	GTGGGTAGGGTTTGGGGGAGAG	42751	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015574	5_-_179225326_179225343	GGTAGGGTTTGGGGGAGA	42752	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015575	5_-_179225326_179225346	GTGGGTAGGGTTTGGGGGAGA	42753	hsa-miR-1229-5p;Derives_from=MI0006319
NovelMiR_KnownLoci_ID0015576	5_-_179442315_179442339	CCGTCTCAGTTACTTTATAGCCATA	42754	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015577	5_-_179442315_179442340	TCCGTCTCAGTTACTTTATAGCCATA	42755	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015578	5_-_179442317_179442340	TCCGTCTCAGTTACTTTATAGCCA	42756	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015579	5_-_179442318_179442339	CCGTCTCAGTTACTTTATAGCC	42757	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015580	5_-_179442318_179442340	TCCGTCTCAGTTACTTTATAGCC	42758	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015581	5_-_179442318_179442341	ATCCGTCTCAGTTACTTTATAGCC	42759	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015582	5_-_179442319_179442339	CCGTCTCAGTTACTTTATAGC	42760	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015583	5_-_179442319_179442341	ATCCGTCTCAGTTACTTTATAGC	42761	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015584	5_-_179442320_179442340	TCCGTCTCAGTTACTTTATAG	42762	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015585	5_-_179442320_179442341	ATCCGTCTCAGTTACTTTATAG	42763	hsa-miR-340-3p;Derives_from=MI0000802

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015586	5_-_179442321_179442340	TCCGTCTCAGTTACTTTATA	42764	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015587	5_-_179442322_179442340	TCCGTCTCAGTTACTTTAT	42765	hsa-miR-340-3p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015588	5_-_179442356_179442372	ATGAGACTGATTGTCAT	42766	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015589	5_-_179442357_179442382	TTATAAAGCAATGAGACTGATTGTCA	42767	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015590	5_-_179442358_179442382	TTATAAAGCAATGAGACTGATTGTC	42768	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015591	5_-_179442359_179442382	TTATAAAGCAATGAGACTGATTGT	42769	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015592	5_-_179442360_179442382	TTATAAAGCAATGAGACTGATTG	42770	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015593	5_-_179442362_179442382	TTATAAAGCAATGAGACTGAT	42771	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015594	5_-_179442363_179442382	TTATAAAGCAATGAGACTGA	42772	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015595	5_-_179442365_179442382	TTATAAAGCAATGAGACT	42773	hsa-miR-340-5p;Derives_from=MI0000802
NovelMiR_KnownLoci_ID0015596	5_-_180649572_180649595	GACACCGCTCAGCCGGCCGCGGCA	42774	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015597	5_-_180649574_180649598	CTGGACACCGCTCAGCCGGCCGCG	42775	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015598	5_-_180649574_180649599	CCTGGACACCGCTCAGCCGGCCGC	42776	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015599	5_-_180649575_180649598	CTGGACACCGCTCAGCCGGCCGCG	42777	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015600	5_-_180649575_180649599	CCTGGACACCGCTCAGCCGGCCGC	42778	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015601	5_-_180649576_180649598	CTGGACACCGCTCAGCCGGCCGC	42779	hsa-miR-4638-3p;Derives_from=MI0017265

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015602	5_-_180649576_180649599	CCTGGACACCGCTCAGCCGCCGCC	42780	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015603	5_-_180649577_180649598	CTGGACACCGCTCAGCCGGCCG	42781	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015604	5_-_180649578_180649598	CTGGACACCGCTCAGCCGGCC	42782	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015605	5_-_180649578_180649599	CCTGGACACCGCTCAGCCGGCC	42783	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015606	5_-_180649579_180649598	CTGGACACCGCTCAGCCGGC	42784	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015607	5_-_180649579_180649599	CCTGGACACCGCTCAGCCGGC	42785	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015608	5_-_180649580_180649599	CCTGGACACCGCTCAGCCGG	42786	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015609	5_-_180649582_180649599	CCTGGACACCGCTCAGCC	42787	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015610	5_-_180649583_180649599	CCTGGACACCGCTCAGC	42788	hsa-miR-4638-3p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015611	5_-_180649606_180649625	TGCGGTGGACAAGTCCGGCT	42789	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015612	5_-_180649611_180649631	CTCGGCTGCGGTGGACAAGTC	42790	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015613	5_-_180649612_180649631	CTCGGCTGCGGTGGACAAGT	42791	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015614	5_-_180649613_180649632	ACTCCGCTGCGGTGGACAAG	42792	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015615	5_-_180649614_180649637	TGCGGACTCGGCTGCGGTGGACAA	42793	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015616	5_-_180649615_180649636	GCGGACTCGGCTGCGGTGGACA	42794	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015617	5_-_180649615_180649637	TGCGGACTCGGCTGCGGTGGACA	42795	hsa-miR-4638-5p;Derives_from=MI0017265

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015618	5_-_180649616_180649637	TGCGGACTCGGCTGCGGTGGAC	42796	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015619	5_-_180649617_180649637	TGCGGACTCGGCTGCGGTGGA	42797	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015620	5_-_180649619_180649637	TGCGGACTCGGCTGCGGTG	42798	hsa-miR-4638-5p;Derives_from=MI0017265
NovelMiR_KnownLoci_ID0015621	5_-_32394495_32394520	TTCATTTGGTATAAACCGCGATTATT	42799	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015622	5_-_32394495_32394521	ATTCATTTGGTATAAACCGCGATTTATT	42800	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015623	5_-_32394496_32394516	TTTGGTATAAACCGCGATTAT	42801	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015624	5_-_32394496_32394520	TTCATTTGGTATAAACCGCGATTAT	42802	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015625	5_-_32394497_32394520	TTCATTTGGTATAAACCGCGATTA	42803	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015626	5_-_32394498_32394519	TCATTTGGTATAAACCGCGATT	42804	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015627	5_-_32394498_32394521	ATTCATTTGGTATAAACCGCGATT	42805	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015628	5_-_32394499_32394520	TTCATTTGGTATAAACCGCGAT	42806	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015629	5_-_32394499_32394521	ATTCATTTGGTATAAACCGCGAT	42807	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015630	5_-_32394500_32394520	TTCATTTGGTATAAACCGCGA	42808	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015631	5_-_32394500_32394521	ATTCATTTGGTATAAACCGCGA	42809	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015632	5_-_32394501_32394520	TTCATTTGGTATAAACCGCG	42810	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015633	5_-_32394503_32394520	TTCATTTGGTATAAACCG	42811	hsa-miR-579-3p;Derives_from=MI0003586

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015634	5_-_32394504_32394520	TTCATTTGGTATAAACC	42812	hsa-miR-579-3p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015635	5_-_32394532_32394557	TCGCGGTTTGTGCCAGATGACGATTT	42813	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015636	5_-_32394533_32394555	GCGGTTTGTGCCAGATGACGATT	42814	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015637	5_-_32394533_32394556	CGCGGTTTGTGCCAGATGACGATT	42815	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015638	5_-_32394533_32394557	TCGCGGTTTGTGCCAGATGACGATT	42816	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015639	5_-_32394534_32394557	TCGCGGTTTGTGCCAGATGACGAT	42817	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015640	5_-_32394535_32394557	TCGCGGTTTGTGCCAGATGACGA	42818	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015641	5_-_32394536_32394558	ATCGCGGTTTGTGCCAGATGACG	42819	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015642	5_-_32394537_32394557	TCGCGGTTTGTGCCAGATGAC	42820	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015643	5_-_32394537_32394558	ATCGCGGTTTGTGCCAGATGAC	42821	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015644	5_-_32394538_32394557	TCGCGGTTTGTGCCAGATGA	42822	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015645	5_-_32394538_32394558	ATCGCGGTTTGTGCCAGATGA	42823	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015646	5_-_32394538_32394559	AATCGCGGTTTCTGCCAGATGA	42824	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015647	5_-_32394538_32394561	GTAATCGCGGTTTGTGCCAGATGA	42825	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015648	5_-_32394539_32394559	AATCGCGGTTTGTGCCAGATG	42826	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015649	5_-_32394539_32394561	GTAATCGCGGTTTGTGCCAGATG	42827	hsa-miR-579-5p;Derives_from=MI0003586

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015650	5_-_32394540_32394558	ATCGCGGTTTGTGCCAGAT	42828	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015651	5_-_32394540_32394559	AATCGCGGTTTGTGCCAGAT	42829	hsa-miR-579-5p;Derives_from=MI0003586
NovelMiR_KnownLoci_ID0015652	5_-_36148003_36148030	TTGAGAATGATGAATCATTAGGTTCCGG	42830	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015653	5_-_36148006_36148029	TGAGAATGATGAATCATTAGGTTC	42831	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015654	5_-_36148006_36148030	TTGAGAATGATGAATCATTAGGTTC	42832	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015655	5_-_36148006_36148031	TTTGAGAATGATGAATCATTAGGTTC	42833	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015656	5_-_36148007_36148031	TTTGAGAATGATGAATCATTAGGTT	42834	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015657	5_-_36148008_36148029	TGAGAATGATGAATCATTAGGT	42835	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015658	5_-_36148008_36148030	TTGAGAATGATGAATCATTAGGT	42836	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015659	5_-_36148009_36148029	TGAGAATGATGAATCATTAGG	42837	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015660	5_-_36148009_36148031	TTTGAGAATGATGAATCATTAGG	42838	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015661	5_-_36148010_36148030	TTGAGAATGATCAATCATTAG	42839	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015662	5_-_36148011_36148030	TTGAGAATGATGAATCATTA	42840	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015663	5_-_36148012_36148030	TTGAGAATGATGAATCATT	42841	hsa-miR-580-3p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015664	5_-_36148042_36148058	CAGACTCAGATATTTAA	42842	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015665	5_-_36148045_36148066	TGATTCATCAGACTCAGATATT	42843	hsa-miR-580-5p;Derives_from=MI0003587

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015666	5_-_36148045_36148069	TAATGATTCATCAGACTCAGATATT	42844	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015667	5_-_36148047_36148069	TAATGATTCATCAGACTCAGATA	42845	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015668	5_-_36148049_36148068	AATGATTCATCAGACTCAGA	42846	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015669	5_-_36148049_36148069	TAATGATTCATCAGACTCAGA	42847	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015670	5_-_36148050_36148069	TAATGATTCATCAGACTCAG	42848	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015671	5_-_36148051_36148069	TAATGATTCATCAGACTCA	42849	hsa-miR-580-5p;Derives_from=MI0003587
NovelMiR_KnownLoci_ID0015672	5_-_53247388_53247414	TCTTGTGTTCTCTAGATCAGTGCTTTT	42850	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015673	5_-_53247391_53247412	TTGTGTTCTCTAGATCAGTGCT	42851	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015674	5_-_53247391_53247413	CTTGTGTTCTCTAGATCAGTGCT	42852	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015675	5_-_53247392_53247412	TTGTGTTCTCTAGATCAGTGC	42853	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015676	5_-_53247392_53247413	CTTGTGTTCTCTAGATCAGTGC	42854	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015677	5_-_53247392_53247414	TCTTGTGTTCTCTAGATCAGTGC	42855	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015678	5_-_53247393_53247413	CTTGTGTTCTCTAGATCAGTG	42856	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015679	5_-_53247393_53247414	TCTTGTGTTCTCTAGATCAGTG	42857	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015680	5_-_53247394_53247413	CTTGTGTTCTCTAGATCAGT	42858	hsa-miR-581;Derives_from=MI0003588
NovelMiR_KnownLoci_ID0015681	5_-_53247395_53247414	TCTTGTGTTCTCTAGATCAG	42859	hsa-miR-581;Derives_from=MI0003588

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015682	5_-_53371385_53371411	CCAGGAGGCGGAGGAGGTGGACGTTGC	42860	hsa-miR-4459;Derives_from=MI0016805
NovelMiR_KnownLoci_ID0015683	5_-_54466411_54466435	TGGCAGTGTATTGTTAGCTGGTTGA	42861	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015684	5_-_54466412_54466435	TGGCAGTGTATTGTTAGCTGGTTG	42862	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015685	5_-_54466413_54466430	GTGTATTGTTAGCTGGTT	42863	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015686	5_-_54466413_54466435	TGGCAGTGTATTGTTAGCTGGTT	42864	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015687	5_-_54466415_54466435	TGGCAGTGTATTGTTAGCTGG	42865	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015688	5_-_54466416_54466435	TGGCAGTGTATTGTTAGCTG	42866	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015689	5_-_54466417_54466435	TGGCAGTGTATTGTTAGCT	42867	hsa-miR-449a;Derives_from=MI0001648
NovelMiR_KnownLoci_ID0015690	5_-_54466491_54466516	CAGCCACAACTACCCTGCCACTTGCT	42868	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015691	5_-_54466493_54466516	CAGCCACAACTACCCTGCCACTTG	42869	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015692	5_-_54466493_54466517	GCAGCCACAACTACCCTGCCACTTG	42870	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015693	5_-_54466494_54466516	CAGCCACAACTACCCTGCCACTT	42871	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015694	5_-_54466495_54466515	AGCCACAACTACCCTGCCACT	42872	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015695	5_-_54466495_54466517	GCAGCCACAACTACCCTGCCACT	42873	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015696	5_-_54466496_54466516	CAGCCACAACTACCCTGCCAC	42874	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015697	5_-_54466497_54466516	CAGCCACAACTACCCTGCCA	42875	hsa-miR-449b-3p;Derives_from=MI0003673

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015698	5_-_54466497_54466517	GCAGCCACAACTACCCTGCCA	42876	hsa-miR-449b-3p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015699	5_-_54466528_54466555	AGGCAGTGTATTGTTAGCTGGCTGCTTG	42877	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015700	5_-_54466529_54466555	AGGCAGTGTATTGTTAGCTGGCTGCTT	42878	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015701	5_-_54466530_54466555	AGGCAGTGTATTGTTAGCTGGCTGCT	42879	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015702	5_-_54466531_54466555	AGGCAGTGTATTGTTAGCTGGCTGC	42880	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015703	5_-_54466532_54466555	AGGCAGTGTATTGTTAGCTGGCTG	42881	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015704	5_-_54466533_54466551	AGTGTATTGTTAGCTGGCT	42882	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015705	5_-_54466533_54466555	AGGCAGTGTATTGTTAGCTGGCT	42883	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015706	5_-_54466535_54466555	AGGCAGTGTATTGTTAGCTGG	42884	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015707	5_-_54466536_54466555	AGGCAGTGTATTGTTAGCTG	42885	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015708	5_-_54466537_54466555	AGGCAGTGTATTGTTAGCT	42886	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015709	5_-_54466538_54466555	AGGCAGTGTATTGTTAGC	42887	hsa-miR-449b-5p;Derives_from=MI0003673
NovelMiR_KnownLoci_ID0015710	5_-_54468102_54468123	GCTAGTTGCACTCCTCTCTGTT	42888	hsa-miR-449c-3p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015711	5_-_54468106_54468128	CAGTTGCTAGTTGCACTCCTCTC	42889	hsa-miR-449c-3p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015712	5_-_54468107_54468128	CAGTTGCTAGTTGCACTCCTCT	42890	hsa-miR-449c-3p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015713	5_-_54468108_54468128	CAGTTGCTAGTTGCACTCCTC	42891	hsa-miR-449c-3p;Derives_from=MI0003823

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015714	5_-_54468109_54468128	CAGTTGCTAGTTGCACTCCT	42892	hsa-miR-449c-3p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015715	5_-_54468138_54468164	AGGCAGTGTATTGCTAGCGGCTGT TAA	42893	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015716	5_-_54468139_54468162	GCAGTGTATTGCTAGCGGCTGTTA	42894	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015717	5_-_54468139_54468164	AGGCAGTGTATTGCTAGCGGCTGT TA	42895	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015718	5_-_54468139_54468165	TAGGCAGTGTATTGCTAGCGGCTG TTA	42896	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015719	5_-_54468140_54468164	AGGCAGTGTATTGCTAGCGGCTGT T	42897	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015720	5_-_54468141_54468164	AGGCAGTGTATTGCTAGCGGCTGT	42898	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015721	5_-_54468142_54468164	AGGCAGTGTATTGCTAGCGGCTG	42899	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015722	5_-_54468142_54468165	TAGGCAGTGTATTGCTAGCGGCTG	42900	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015723	5_-_54468143_54468164	AGGCAGTGTATTGCTAGCGGCT	42901	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015724	5_-_54468143_54468165	TAGGCAGTGTATTGCTAGCGGCT	42902	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015725	5_-_54468144_54468164	AGGCAGTGTATTGCTAGCGGC	42903	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015726	5_-_54468145_54468162	GCAGTGTATTGCTAGCGG	42904	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015727	5_-_54468145_54468164	AGGCAGTGTATTGCTAGCGG	42905	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015728	5_-_54468145_54468165	TAGGCAGTGTATTGCTAGCGG	42906	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015729	5_-_54468146_54468162	GCAGTGTATTGCTAGCG	42907	hsa-miR-449c-5p;Derives_from=MI0003823

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015730	5_-_54468146_54468164	AGGCAGTGTATTGCTAGCG	42908	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015731	5_-_54468147_54468164	AGGCAGTGTATTGCTAGC	42909	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015732	5_-_54468148_54468165	TAGGCAGTGTATTGCTAG	42910	hsa-miR-449c-5p;Derives_from=MI0003823
NovelMiR_KnownLoci_ID0015733	5_-_54804688_54804708	TTAGAACGTTTTAGGGTCAAA	42911	hsa-miR-5687;Derives_from=MI0019291
NovelMiR_KnownLoci_ID0015734	5_-_54804690_54804708	TTAGAACGTTTTAGGGTCA	42912	hsa-miR-5687;Derives_from=MI0019291
NovelMiR_KnownLoci_ID0015735	5_-_58999454_58999475	ACTGGTTGAACAACTGAACCCA	42913	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015736	5_-_58999454_58999476	AACTGGTTGAACAACTGAACCCA	42914	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015737	5_-_58999454_58999477	TAACTGGTTGAACAACTGAACCCA	42915	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015738	5_-_58999455_58999476	AACTGGTTGAACAACTGAACCC	42916	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015739	5_-_58999455_58999477	TAACTGGTTGAACAACTGAACCC	42917	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015740	5_-_58999456_58999476	AACTGGTTGAACAACTGAACC	42918	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015741	5_-_58999457_58999476	AACTGGTTGAACAACTGAAC	42919	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015742	5_-_58999457_58999477	TAACTGGTTGAACAACTGAAC	42920	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015743	5_-_58999458_58999477	TAACTGGTTGAACAACTGAA	42921	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015744	5_-_58999459_58999477	TAACTGGTTGAACAACTGA	42922	hsa-miR-582-3p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015745	5_-_58999488_58999512	ACAGTTGTTCAACCAGTTACTAATC	42923	hsa-miR-582-5p;Derives_from=MI0003589

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015746	5_-_58999488_58999514	TTACAGTTGTTCAACCAGTTACTAATC	42924	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015747	5_-_58999489_58999514	TTACAGTTGTTCAACCAGTTACTAAT	42925	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015748	5_-_58999490_58999513	TACAGTTGTTCAACCAGTTACTAA	42926	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015749	5_-_58999490_58999514	TTACAGTTGTTCAACCAGTTACTAA	42927	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015750	5_-_58999491_58999513	TACAGTTGTTCAACCAGTTACTA	42928	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015751	5_-_58999491_58999514	TTACAGTTGTTCAACCAGTTACTA	42929	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015752	5_-_58999492_58999512	ACAGTTGTTCAACCAGTTACT	42930	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015753	5_-_58999492_58999513	TACAGTTGTTCAACCAGTTACT	42931	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015754	5_-_58999493_58999512	ACAGTTGTTCAACCAGTTAC	42932	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015755	5_-_58999493_58999514	TTACAGTTGTTCAACCAGTTAC	42933	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015756	5_-_58999494_58999513	TACAGTTGTTCAACCAGTTA	42934	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015757	5_-_58999494_58999514	TTACAGTTGTTCAACCAGTTA	42935	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015758	5_-_58999494_58999515	ATTACAGTTGTTCAACCAGTTA	42936	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015759	5_-_58999495_58999514	TTACAGTTGTTCAACCAGTT	42937	hsa-miR-582-5p;Derives_from=MI0003589
NovelMiR_KnownLoci_ID0015760	5_+_71465301_71465325	TTTAACATAATAGTGTGGATTGAAT	42938	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015761	5_+_71465303_71465321	TAACATAATAGTGTGGATT	42939	hsa-miR-4803;Derives_from=MI0017451

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015762	5_+_71465303_71465322	TAACATAATAGTGTGGATTG	42940	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015763	5_+_71465303_71465324	TAACATAATAGTGTGGATTGAA	42941	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015764	5_+_71465303_71465325	TAACATAATAGTGTGGATTGAAT	42942	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015765	5_+_71465303_71465326	TAACATAATAGTGTGGATTGAATC	42943	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015766	5_+_71465310_71465329	ATAGTGTGGATTGAATCACA	42944	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015767	5_+_71465314_71465329	TGTGGATTGAATCACA	42945	hsa-miR-4803;Derives_from=MI0017451
NovelMiR_KnownLoci_ID0015768	5_+_72174426_72174444	TTTGGACGGTAAGGTTAAG	42946	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015769	5_+_72174426_72174445	TTTGGACGGTAAGGTTAAGC	42947	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015770	5_+_72174426_72174446	TTTGGACGGTAAGGTTAAGCA	42948	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015771	5_+_72174426_72174447	TTTGGACGGTAAGGTTAAGCAA	42949	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015772	5_+_72174426_72174448	TTTGGACGGTAAGGTTAAGCAAG	42950	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015773	5_+_72174426_72174449	TTTGGACGGTAAGGTTAAGCAAGG	42951	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015774	5_+_72174427_72174445	TTGGACGGTAAGGTTAAGC	42952	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015775	5_+_72174427_72174448	TTGGACGGTAAGGTTAAGCAAG	42953	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015776	5_+_72174427_72174449	TTGGACGGTAAGGTTAAGCAAGG	42954	hsa-miR-4804-5p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015777	5_+_72174428_72174448	TGGACGGTAAGGTTAAGCAAG	42955	hsa-miR-4804-5p;Derives_from=MI0017452

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015778	5_+_72174461_72174480	TTGCTTAACCTTGCCCTCGA	42956	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015779	5_+_72174461_72174481	TTGCTTAACCTTGCCCTCGAA	42957	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015780	5_+_72174461_72174482	TTGCTTAACCTTGCCCTCGAAA	42958	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015781	5_+_72174461_72174483	TTGCTTAACCTTGCCCTCGAAAT	42959	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015782	5_+_72174462_72174480	TGCTTAACCTTGCCCTCGA	42960	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015783	5_+_72174462_72174481	TGCTTAACCTTGCCCTCGAA	42961	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015784	5_+_72174462_72174483	TGCTTAACCTTGCCCTCGAAAT	42962	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015785	5_+_72174462_72174484	TGCTTAACCTTGCCCTCGAAATA	42963	hsa-miR-4804-3p;Derives_from=MI0017452
NovelMiR_KnownLoci_ID0015786	5_+_8461040_8461058	GCGCACAGAGGTAGGTGTG	42964	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015787	5_+_8461040_8461063	GCGCACAGAGGTAGGTGTGGAAGA	42965	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015788	5_+_8461044_8461060	ACAGAGGTAGGTGTGGA	42966	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015789	5_+_8461044_8461061	ACAGAGGTAGGTGTGGAA	42967	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015790	5_+_8461046_8461063	AGAGGTAGGTGTGGAAGA	42968	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015791	5_+_8461046_8461065	AGAGGTAGGTGTGGAAGAAA	42969	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015792	5_+_8461047_8461063	GAGGTAGGTGTGGAAGA	42970	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015793	5_+_8461047_8461064	GAGGTAGGTGTGGAAGAA	42971	hsa-miR-4458;Derives_from=MI0016804

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015794	5_+_8461047_8461065	GAGGTAGGTGTGGAAGAAA	42972	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015795	5_+_8461051_8461070	TAGGTGTGGAAGAAAGTGAA	42973	hsa-miR-4458;Derives_from=MI0016804
NovelMiR_KnownLoci_ID0015796	5_+_85916324_85916341	TGCATGTGATGAAGCAAA	42974	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015797	5_+_85916324_85916343	TGCATGTGATGAAGCAAATC	42975	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015798	5_+_85916324_85916344	TGCATGTGATGAAGCAAATCA	42976	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015799	5_+_85916324_85916346	TGCATGTGATGAAGCAAATCAGT	42977	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015800	5_+_85916324_85916347	TGCATGTGATGAAGCAAATCAGTA	42978	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015801	5_+_85916324_85916349	TGCATGTGATGAAGCAAATCAGTATG	42979	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015802	5_+_85916325_85916340	GCATGTGATGAAGCAA	42980	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015803	5_+_85916325_85916341	GCATGTGATGAAGCAAA	42981	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015804	5_+_85916325_85916342	GCATGTGATGAAGCAAAT	42982	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015805	5_+_85916325_85916343	GCATGTGATGAAGCAAATC	42983	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015806	5_+_85916325_85916344	GCATGTGATGAAGCAAATCA	42984	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015807	5_+_85916325_85916345	GCATGTGATGAAGCAAATCAG	42985	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015808	5_+_85916325_85916347	GCATGTGATGAAGCAAATCAGTA	42986	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015809	5_+_85916325_85916348	GCATGTGATGAAGCAAATCAGTAT	42987	hsa-miR-3607-5p;Derives_from=MI0015997

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015810	5_+_85916325_85916349	GCATGTGATGAAGCAAATCAGTATG	42988	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015811	5_+_85916325_85916350	GCATGTGATGAAGCAAATCAGTATGA	42989	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015812	5_+_85916325_85916351	GCATGTGATGAAGCAAATCAGTATGAA	42990	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015813	5_+_85916325_85916352	GCATGTGATGAAGCAAATCAGTATGAAT	42991	hsa-miR-3607-5p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015814	5_+_85916358_85916374	CATGATACTGTAAACGC	42992	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015815	5_+_85916358_85916375	CATGATACTGTAAACGCT	42993	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015816	5_+_85916358_85916376	CATGATACTGTAAACGCTT	42994	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015817	5_+_85916358_85916378	CATGATACTGTAAACGCTTTC	42995	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015818	5_+_85916358_85916379	CATGATACTGTAAACGCTTTCT	42996	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015819	5_+_85916358_85916380	CATGATACTGTAAACGCTTTCTG	42997	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015820	5_+_85916358_85916381	CATGATACTGTAAACGCTTTCTGA	42998	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015821	5_+_85916358_85916383	CATGATACTGTAAACGCTTTCTGATG	42999	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015822	5_+_85916358_85916384	CATGATACTGTAAACGCTTTCTGATGT	43000	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015823	5_+_85916359_85916383	ATGATACTGTAAACGCTTTCTGATG	43001	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015824	5_+_85916360_85916378	TGATACTGTAAACGCTTTC	43002	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015825	5_+_85916360_85916379	TGATACTGTAAACGCTTTCT	43003	hsa-miR-3607-3p;Derives_from=MI0015997

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015826	5_+_85916360_85916383	TGATACTGTAAACGCTTTCTGATG	43004	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015827	5_+_85916361_85916379	GATACTGTAAACGCTTTCT	43005	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015828	5_+_85916361_85916383	GATACTGTAAACGCTTTCTGATG	43006	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015829	5_+_85916361_85916385	GATACTGTAAACGCTTTCTGATGTA	43007	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015830	5_+_85916361_85916388	GATACTGTAAACGCTTTCTGATGTACTA	43008	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015831	5_+_85916362_85916381	ATACTGTAAACGCTTTCTGA	43009	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015832	5_+_85916362_85916382	ATACTGTAAACGCTTTCTGAT	43010	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015833	5_+_85916362_85916383	ATACTGTAAACGCTTTCTGATG	43011	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015834	5_+_85916363_85916383	TACTGTAAACGCTTTCTGATG	43012	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015835	5_+_85916363_85916386	TACTGTAAACGCTTTCTGATGTAC	43013	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015836	5_+_85916365_85916383	CTGTAAACGCTTTCTGATG	43014	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015837	5_+_85916365_85916384	CTGTAAACGCTTTCTGATGT	43015	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015838	5_+_85916365_85916388	CTGTAAACGCTTTCTGATGTACTA	43016	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015839	5_+_85916366_85916383	TGTAAACGCTTTCTGATG	43017	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015840	5_+_85916367_85916383	GTAAACGCTTTCTGATG	43018	hsa-miR-3607-3p;Derives_from=MI0015997
NovelMiR_KnownLoci_ID0015841	5_+_85916367_85916388	GTAAACGCTTTCTGATGTACTA	43019	hsa-miR-3607-3p;Derives_from=MI0015997

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015842	5_-_87962678_87962704	TAAAGCTAGATAACCGAAAGTAAAAAC	43020	hsa-miR-9-3p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015843	5_-_87962678_87962705	ATAAAGCTAGATAACCGAAAGTAAAAAC	43021	hsa-miR-9-3p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015844	5_-_87962714_87962729	AGCTGTATGAGTGTAT	43022	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015845	5_-_87962714_87962730	TAGCTGTATGAGTGTAT	43023	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015846	5_-_87962714_87962731	CTAGCTGTATGAGTGTAT	43024	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015847	5_-_87962714_87962741	CTTTGGTTATCTAGCTGTATGAGTGTAT	43025	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015848	5_-_87962715_87962734	TATCTAGCTGTATGAGTGTA	43026	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015849	5_-_87962715_87962742	TCTTTGGTTATCTAGCTGTATGAGTGTA	43027	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015850	5_-_87962716_87962740	TTTGGTTATCTAGCTGTATGAGTGT	43028	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015851	5_-_87962716_87962741	CTTTGGTTATCTAGCTGTATGAGTGT	43029	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015852	5_-_87962716_87962742	TCTTTGGTTATCTAGCTGTATGAGTGT	43030	hsa-miR-9-5p;Derives_from=MI0000467
NovelMiR_KnownLoci_ID0015853	5_-_89312456_89312478	ACTGACAGGAGAGCATTTTGACT	43031	hsa-miR-3660;Derives_from=MI0016061
NovelMiR_KnownLoci_ID0015854	5_-_89312457_89312478	ACTGACAGGAGAGCATTTTGAC	43032	hsa-miR-3660;Derives_from=MI0016061
NovelMiR_KnownLoci_ID0015855	5_-_89312458_89312476	TGACAGGAGAGCATTTTGA	43033	hsa-miR-3660;Derives_from=MI0016061
NovelMiR_KnownLoci_ID0015856	5_-_89312458_89312479	CACTGACAGGAGAGCATTTTGA	43034	hsa-miR-3660;Derives_from=MI0016061
NovelMiR_KnownLoci_ID0015857	5_-_89312461_89312478	ACTGACAGGAGAGCATTT	43035	hsa-miR-3660;Derives_from=MI0016061

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015858	5_-_9053974_9053997	ACTCGTGTTCAAAGCCTTTAGCCC	43036	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015859	5_-_9053974_9053998	AACTCGTGTTCAAAGCCTTTAGCCC	43037	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015860	5_-_9053975_9053996	CTCGTGTTCAAAGCCTTTAGCC	43038	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015861	5_-_9053975_9053997	ACTCGTGTTCAAAGCCTTTAGCC	43039	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015862	5_-_9053975_9053998	AACTCGTGTTCAAAGCCTTTAGCC	43040	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015863	5_-_9053976_9053997	ACTCGTGTTCAAAGCCTTTAGC	43041	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015864	5_-_9053976_9053998	AACTCGTGTTCAAAGCCTTTAGC	43042	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015865	5_-_9053978_9053997	ACTCGTGTTCAAAGCCTTTA	43043	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015866	5_-_9053978_9053998	AACTCGTGTTCAAAGCCTTTA	43044	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015867	5_-_9053979_9053997	ACTCGTGTTCAAAGCCTTT	43045	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015868	5_-_9053979_9053998	AACTCGTGTTCAAAGCCTTT	43046	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015869	5_-_9053980_9053998	AACTCGTGTTCAAAGCCTT	43047	hsa-miR-4636;Derives_from=MI0017263
NovelMiR_KnownLoci_ID0015870	5_-_92956412_92956436	TGACAGCGCCCTGCCTGGCTCGGCC	43048	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015871	5_-_92956413_92956436	TGACAGCGCCCTGCCTGGCTCGGC	43049	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015872	5_-_92956413_92956437	CTGACAGCGCCCTGCCTGGCTCGGC	43050	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015873	5_-_92956414_92956435	GACAGCGCCCTGCCTGGCTCGG	43051	hsa-miR-2277-3p;Derives_from=MI0011284

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015874	5_-_92956414_92956436	TGACAGCGCCCTGCCTGGCTCGG	43052	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015875	5_-_92956414_92956437	CTGACAGCGCCCTGCCTGGCTCGG	43053	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015876	5_-_92956415_92956436	TGACAGCGCCCTGCCTGGCTCG	43054	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015877	5_-_92956415_92956437	CTGACAGCGCCCTGCCTGGCTCG	43055	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015878	5_-_92956416_92956437	CTGACAGCGCCCTGCCTGGCTC	43056	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015879	5_-_92956417_92956436	TGACAGCGCCCTGCCTGGCT	43057	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015880	5_-_92956417_92956437	CTGACAGCGCCCTGCCTGGCT	43058	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015881	5_-_92956418_92956436	TGACAGCGCCCTGCCTGGC	43059	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015882	5_-_92956418_92956437	CTGACAGCGCCCTGCCTGGC	43060	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015883	5_-_92956420_92956436	TGACAGCGCCCTGCCTG	43061	hsa-miR-2277-3p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015884	5_-_92956451_92956477	AGCGCGGGCTGAGCGCTGCCAGTCAGC	43062	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015885	5_-_92956452_92956477	AGCGCGGGCTGAGCGCTGCCAGTCAG	43063	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015886	5_-_92956453_92956475	CGCGGGCTGAGCGCTGCCAGTCA	43064	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015887	5_-_92956453_92956476	GCGCGGGCTGAGCGCTGCCAGTCA	43065	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015888	5_-_92956453_92956477	AGCGCGGGCTGAGCGCTGCCAGTCA	43066	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015889	5_-_92956455_92956477	AGCGCGGGCTGAGCGCTGCCAGT	43067	hsa-miR-2277-5p;Derives_from=MI0011284

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015890	5_-_92956456_92956477	AGCGCGGGCTGAGCGCTGCCAG	43068	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015891	5_-_92956457_92956477	AGCGCGGGCTGAGCGCTGCCA	43069	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015892	5_-_92956458_92956477	AGCGCGGGCTGAGCGCTGCC	43070	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015893	5_-_92956459_92956477	AGCGCGGGCTGAGCGCTGC	43071	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015894	5_-_92956459_92956479	TTGAGCGCGGGCTGAGCGCTGC	43072	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015895	5_-_92956460_92956477	AGCGCGGGCTGAGCGCTG	43073	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015896	5_-_92956461_92956477	AGCGCGGGCTGAGCGCT	43074	hsa-miR-2277-5p;Derives_from=MI0011284
NovelMiR_KnownLoci_ID0015897	5_+_95414857_95414879	CAAAGAGGAAGGTCCCATTACTG	43075	hsa-miR-583;Derives_from=MI0003590
NovelMiR_KnownLoci_ID0015898	5_+_95414858_95414879	AAAGAGGAAGGTCCCATTACTG	43076	hsa-miR-583;Derives_from=MI0003590
NovelMiR_KnownLoci_ID0015899	5_+_95414859_95414879	AAGAGGAAGGTCCCATTACTG	43077	hsa-miR-583;Derives_from=MI0003590
NovelMiR_KnownLoci_ID0015900	5_+_95414866_95414882	AGGTCCCATTACTGCAG	43078	hsa-miR-583;Derives_from=MI0003590
NovelMiR_KnownLoci_ID0015901	6_+_10439958_10439980	AGCATACACCTGTAGTCCTAGAT	43079	hsa-miR-5689;Derives_from=MI0019294
NovelMiR_KnownLoci_ID0015902	6_+_10439958_10439981	AGCATACACCTGTAGTCCTAGATA	43080	hsa-miR-5689;Derives_from=MI0019294
NovelMiR_KnownLoci_ID0015903	6_-_119390225_119390248	CAAGAACCTCAGTTGCTTTTGTGC	43081	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015904	6_-_119390226_119390248	CAAGAACCTCAGTTGCTTTTGTG	43082	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015905	6_-_119390227_119390245	GAACCTCAGTTGCTTTTGT	43083	hsa-miR-548b-3p;Derives_from=MI0003596

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015906	6_-_119390227_119390246	AGAACCTCAGTTGCTTTTGT	43084	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015907	6_-_119390227_119390247	AAGAACCTCAGTTGCTTTTGT	43085	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015908	6_-_119390228_119390248	CAAGAACCTCAGTTGCTTTTG	43086	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015909	6_-_119390229_119390248	CAAGAACCTCAGTTGCTTTT	43087	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015910	6_-_119390230_119390248	CAAGAACCTCAGTTGCTTT	43088	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015911	6_-_119390231_119390248	CAAGAACCTCAGTTGCTT	43089	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015912	6_-_119390232_119390248	CAAGAACCTCAGTTGCT	43090	hsa-miR-548b-3p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015913	6_-_119390258_119390284	AAAAGTAATTGTGGTTTTGGCCTTTAT	43091	hsa-miR-548b-5p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015914	6_-_119390260_119390284	AAAAGTAATTGTGGTTTTGGCCTTT	43092	hsa-miR-548b-5p;Derives_from=MI0003596
NovelMiR_KnownLoci_ID0015915	6_+_120336336_120336356	AAGGGGACCAAAGAGATATAT	43093	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015916	6_+_120336336_120336357	AAGGGGACCAAAGAGATATATA	43094	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015917	6_+_120336336_120336358	AAGGGGACCAAAGAGATATATAG	43095	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015918	6_+_120336336_120336361	AAGGGGACCAAAGAGATATATAGATA	43096	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015919	6_+_120336337_120336359	AGGGGACCAAAGAGATATATAGA	43097	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015920	6_+_120336337_120336361	AGGGGACCAAAGAGATATATAGATA	43098	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015921	6_+_120336338_120336358	GGGGACCAAAGAGATATATAG	43099	hsa-miR-3144-5p;Derives_from=MI0014169

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015922	6_+_120336339_120336358	GGGACCAAAGAGATATATAG	43100	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015923	6_+_120336341_120336358	GACCAAAGAGATATATAG	43101	hsa-miR-3144-5p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015924	6_+_120336371_120336388	TATATACCTGTTCGGTCT	43102	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015925	6_+_120336371_120336390	TATATACCTGTTCGGTCTCT	43103	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015926	6_+_120336371_120336391	TATATACCTGTTCGGTCTCTT	43104	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015927	6_+_120336371_120336392	TATATACCTGTTCGGTCTCTTT	43105	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015928	6_+_120336371_120336393	TATATACCTGTTCGGTCTCTTTA	43106	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015929	6_+_120336372_120336390	ATATACCTGTTCGGTCTCT	43107	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015930	6_+_120336372_120336391	ATATACCTGTTCGGTCTCTT	43108	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015931	6_+_120336372_120336392	ATATACCTGTTCGGTCTCTTT	43109	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015932	6_+_120336372_120336394	ATATACCTGTTCGGTCTCTTTAA	43110	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015933	6_+_120336373_120336391	TATACCTGTTCGGTCTCTT	43111	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015934	6_+_120336373_120336392	TATACCTGTTCGGTCTCTTT	43112	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015935	6_+_120336373_120336393	TATACCTGTTCGGTCTCTTTA	43113	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015936	6_+_120336373_120336394	TATACCTGTTCGGTCTCTTTAA	43114	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015937	6_+_120336374_120336392	ATACCTGTTCGGTCTCTTT	43115	hsa-miR-3144-3p;Derives_from=MI0014169

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015938	6_+_120336374_120336394	ATACCTGTTCGGTCTCTTTAA	43116	hsa-miR-3144-3p;Derives_from=MI0014169
NovelMiR_KnownLoci_ID0015939	6_+_126805793_126805810	TGGCCACAATGGGTTAGA	43117	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015940	6_+_126805793_126805811	TGGCCACAATGGGTTAGAA	43118	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015941	6_+_126805793_126805812	TGGCCACAATGGGTTAGAAC	43119	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015942	6_+_126805793_126805813	TGGCCACAATGGGTTAGAACA	43120	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015943	6_+_126805793_126805814	TGGCCACAATGGGTTAGAACAC	43121	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015944	6_+_126805793_126805815	TGGCCACAATGGGTTAGAACACT	43122	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015945	6_+_126805793_126805818	TGGCCACAATGGGTTAGAACACTA TT	43123	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015946	6_+_126805794_126805813	GGCCACAATGGGTTAGAACA	43124	hsa-miR-588;Derives_from=MI0003597
NovelMiR_KnownLoci_ID0015947	6_+_132113311_132113336	CACAAAAGTAATCGCCGTTTTTGT CA	43125	hsa-miR-548h-5p;Derives_from=MI0016751
NovelMiR_KnownLoci_ID0015948	6_-_135300488_135300510	GATGAGTAGTGACTGATGAAGCA	43126	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015949	6_-_135300489_135300510	GATGAGTAGTGACTGATGAAGC	43127	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015950	6_-_135300489_135300516	GAAAATGATGAGTAGTGACTGATG AAGC	43128	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015951	6_-_135300491_135300516	GAAAATGATGAGTAGTGACTGATG AA	43129	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015952	6_-_135300492_135300517	TGAAAATGATGAGTAGTGACTGAT GA	43130	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015953	6_-_135300493_135300510	GATGAGTAGTGACTGATG	43131	hsa-miR-3662;Derives_from=MI0016063

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015954	6_-_135300493_135300515	AAAATGATGAGTAGTGACTGATG	43132	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015955	6_-_135300493_135300517	TGAAAATGATGAGTAGTGACTGATG	43133	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015956	6_-_135300494_135300516	GAAAATGATGAGTAGTGACTGAT	43134	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015957	6_-_135300496_135300516	GAAAATGATGAGTAGTGACTG	43135	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015958	6_-_135300497_135300516	GAAAATGATGAGTAGTGACT	43136	hsa-miR-3662;Derives_from=MI0016063
NovelMiR_KnownLoci_ID0015959	6_-_138756354_138756373	AGTGTTTGGAATTGAACTCG	43137	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015960	6_-_138756355_138756380	TATTTTGAGTGTTTGGAATTGAACTC	43138	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015961	6_-_138756356_138756377	TTTGAGTGTTTGGAATTGAACT	43139	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015962	6_-_138756357_138756383	AGATATTTTGAGTGTTTGGAATTGAAC	43140	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015963	6_-_138756358_138756380	TATTTTGAGTGTTTGGAATTGAA	43141	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015964	6_-_138756359_138756379	ATTTTGAGTGTTTGGAATTCA	43142	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015965	6_-_138756359_138756380	TATTTTGAGTGTTTGGAATTGA	43143	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015966	6_-_138756359_138756383	AGATATTTTGAGTGTTTGGAATTGA	43144	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015967	6_-_138756360_138756380	TATTTTGAGTGTTTGGAATTG	43145	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015968	6_-_138756361_138756383	AGATATTTTGAGTGTTTGGAATT	43146	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015969	6_-_138756362_138756383	AGATATTTTGAGTGTTTGGAAT	43147	hsa-miR-3145-3p;Derives_from=MI0014170

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015970	6_-_138756363_138756383	AGATATTTTGAGTGTTTGGAA	43148	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015971	6_-_138756364_138756383	AGATATTTTGAGTGTTTGGA	43149	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015972	6_-_138756365_138756383	AGATATTTTGAGTGTTTGG	43150	hsa-miR-3145-3p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015973	6_-_138756397_138756419	ACTCCAAACACTCAAAACTCATT	43151	hsa-miR-3145-5p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015974	6_-_138756397_138756420	AACTCCAAACACTCAAAACTCATT	43152	hsa-miR-3145-5p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015975	6_-_138756398_138756420	AACTCCAAACACTCAAAACTCAT	43153	hsa-miR-3145-5p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015976	6_-_138756400_138756420	AACTCCAAACACTCAAAACTC	43154	hsa-miR-3145-5p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015977	6_-_138756401_138756420	AACTCCAAACACTCAAAACT	43155	hsa-miR-3145-5p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015978	6_-_138756402_138756420	AACTCCAAACACTCAAAAC	43156	hsa-miR-3145-5p;Derives_from=MI0014170
NovelMiR_KnownLoci_ID0015979	6_-_1390554_1390580	CGCGCCTGCAGGAACTGGTAGATCTCG	43157	hsa-miR-6720-3p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015980	6_-_1390556_1390580	CGCGCCTGCAGGAACTGGTAGATCT	43158	hsa-miR-6720-3p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015981	6_-_1390557_1390580	CGCGCCTGCAGGAACTGGTAGATC	43159	hsa-miR-6720-3p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015982	6_-_1390558_1390580	CGCGCCTGCAGGAACTGGTAGAT	43160	hsa-miR-6720-3p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015983	6_-_1390560_1390580	CGCGCCTGCAGGAACTGGTAG	43161	hsa-miR-6720-3p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015984	6_-_1390561_1390580	CGCGCCTGCAGGAACTGGTA	43162	hsa-miR-6720-3p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015985	6_-_1390563_1390580	CGCGCCTGCAGGAACTGG	43163	hsa-miR-6720-3p;Derives_from=MI0022555

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015986	6_-_1390591_1390616	TTCCAGCCCTGGTAGGCGCCGCGGAA	43164	hsa-miR-6720-5p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015987	6_-_1390592_1390616	TTCCAGCCCTGGTAGGCGCCGCGGA	43165	hsa-miR-6720-5p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015988	6_-_1390593_1390616	TTCCAGCCCTGGTAGGCGCCGCGG	43166	hsa-miR-6720-5p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015989	6_-_1390595_1390616	TTCCAGCCCTGGTAGGCGCCGC	43167	hsa-miR-6720-5p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015990	6_-_1390596_1390616	TTCCAGCCCTGGTAGGCGCCG	43168	hsa-miR-6720-5p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015991	6_-_1390598_1390616	TTCCAGCCCTGGTAGGCGC	43169	hsa-miR-6720-5p;Derives_from=MI0022555
NovelMiR_KnownLoci_ID0015992	6_+_141004993_141005013	TCAAGTAGTCTGACCAGGGGA	43170	hsa-miR-4465;Derives_from=MI0016816
NovelMiR_KnownLoci_ID0015993	6_+_155174503_155174522	GGCGACAAAACGAGACCCTG	43171	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0015994	6_+_155174503_155174523	GGCGACAAAACGAGACCCTGT	43172	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0015995	6_+_155174503_155174526	GGCGACAAAACGAGACCCTGTCTT	43173	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0015996	6_+_155174503_155174527	GGCGACAAAACGAGACCCTGTCTTT	43174	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0015997	6_+_155174503_155174528	GGCGACAAAACGAGACCCTGTCTTTT	43175	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0015998	6_+_155174504_155174526	GCGACAAAACGAGACCCTGTCTT	43176	hsa-miR-1273c;Derives_from=MI0014171

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0015999	6_+_155174505_155174526	CGACAAAACGAGACCCTGTCTT	43177	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0016000	6_+_155174505_155174527	CGACAAAACGAGACCCTGTCTTT	43178	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0016001	6_+_155174505_155174529	CGACAAAACGAGACCCTGTCTTTTT	43179	hsa-miR-1273c;Derives_from=MI0014171
NovelMiR_KnownLoci_ID0016002	6_-_157100838_157100853	GCCGGCGGGGTAGAAG	43180	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016003	6_-_157100838_157100861	GGGTGCGGGCCGGCGGGGTAGAAG	43181	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016004	6_-_157100839_157100860	GGTGCGGGCCGGCGGGGTAGAA	43182	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016005	6_-_157100839_157100861	GCGTGCGGGCCGGCGGGGTAGAA	43183	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016006	6_-_157100840_157100861	GGGTGCGGGCCGGCGGGCTAGA	43184	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016007	6_-_157100841_157100861	GGGTGCGGGCCGGCGGGGTAG	43185	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016008	6_-_157100842_157100861	GGGTGCGGGCCGGCGGGGTA	43186	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016009	6_-_157100843_157100860	GGTGCGGGCCGGCGGGGT	43187	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016010	6_-_157100843_157100861	GGGTGCGGGCCGGCGGGGT	43188	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016011	6_-_157100843_157100864	CGCGGGTGCGGGCCGGCGGGGT	43189	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016012	6_-_157100843_157100865	ACGCGGGTGCGGGCCGGCGGGGT	43190	hsa-miR-4466;Derives_from=MI0016817

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016013	6_-_157100844_157100863	GCGGGTGCGGGCCGGCGGGG	43191	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016014	6_-_157100845_157100865	ACGCGGGTGCGGGCCGGCGGG	43192	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016015	6_-_157100848_157100864	CGCGGGTGCGGGCCGGC	43193	hsa-miR-4466;Derives_from=MI0016817
NovelMiR_KnownLoci_ID0016016	6_+_157950169_157950188	CCTGCTGGTCAGGAGTGGAT	43194	hsa-miR-3692-5p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016017	6_+_157950169_157950189	CCTGCTGGTCAGGAGTGGATA	43195	hsa-miR-3692-5p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016018	6_+_157950169_157950190	CCTGCTGGTCAGGAGTGGATAC	43196	hsa-miR-3692-5p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016019	6_+_157950169_157950193	CCTGCTGGTCAGGAGTGGATACTGG	43197	hsa-miR-3692-5p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016020	6_+_157950207_157950224	GTTCCACACTGACACTGC	43198	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016021	6_+_157950207_157950226	GTTCCACACTGACACTGCAG	43199	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016022	6_+_157950207_157950227	GTTCCACACTGACACTGCAGA	43200	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016023	6_+_157950207_157950228	GTTCCACACTGACACTGCAGAA	43201	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016024	6_+_157950207_157950229	GTTCCACACTGACACTGCAGAAG	43202	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016025	6_+_157950208_157950229	TTCCACACTGACACTGCAGAAG	43203	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016026	6_+_157950208_157950230	TTCCACACTGACACTGCAGAAGT	43204	hsa-miR-3692-3p;Derives_from=MI0016093
NovelMiR_KnownLoci_ID0016027	6_+_159030733_159030757	TCTGCTTAAAGACTGTAGAGGCAAC	43205	hsa-miR-7161-5p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016028	6_+_159030734_159030757	CTGCTTAAAGACTGTAGAGGCAAC	43206	hsa-miR-7161-5p;Derives_from=MI0023619

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016029	6_+_159030742_159030766	AGACTGTAGAGGCAACTGGTGTTCT	43207	hsa-miR-7161-5p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016030	6_+_159030790_159030807	GAGACTAGATCTTTGACT	43208	hsa-miR-7161-3p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016031	6_+_159030802_159030823	TTGACTCTGGCAGTCTCCAGGA	43209	hsa-miR-7161-3p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016032	6_+_159030802_159030825	TTGACTCTGGCAGTCTCCAGGACT	43210	hsa-miR-7161-3p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016033	6_+_159030808_159030828	CTGGCAGTCTCCAGGACTGTA	43211	hsa-miR-7161-3p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016034	6_+_159030809_159030825	TGGCAGTCTCCAGGACT	43212	hsa-miR-7161-3p;Derives_from=MI0023619
NovelMiR_KnownLoci_ID0016035	6_-_159185745_159185767	ACAGGGCCGCAGATGGAGACTGC	43213	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016036	6_-_159185747_159185768	GACAGGGCCGCAGATGGAGACT	43214	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016037	6_-_159185748_159185765	AGGGCCGCAGATGGAGAC	43215	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016038	6_-_159185748_159185767	ACAGGGCCGCAGATGGAGAC	43216	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016039	6_-_159185748_159185768	GACAGGGCCGCAGATGGAGAC	43217	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016040	6_-_159185749_159185767	ACAGGGCCGCAGATGGAGA	43218	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016041	6_-_159185749_159185768	GACAGGGCCGCAGATGGAGA	43219	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016042	6_-_159185750_159185768	GACAGGGCCGCAGATGGAG	43220	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016043	6_-_159185753_159185773	CATGGGACAGGGCCGCAGATG	43221	hsa-miR-3918;Derives_from=MI0016424
NovelMiR_KnownLoci_ID0016044	6_+_16141786_16141806	ATTGCTAAGTAGGCTGAGATT	43222	hsa-miR-4639-5p;Derives_from=MI0017266

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016045	6_+_16141786_16141807	ATTGCTAAGTAGGCTGAGATTG	43223	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016046	6_+_16141787_16141807	TTGCTAAGTAGGCTGAGATTG	43224	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016047	6_+_16141787_16141810	TTGCTAAGTAGGCTGAGATTGATG	43225	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016048	6_+_16141788_16141808	TGCTAAGTAGGCTGAGATTGA	43226	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016049	6_+_16141788_16141809	TGCTAAGTAGGCTGAGATTGAT	43227	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016050	6_+_16141788_16141810	TGCTAAGTAGGCTGAGATTGATG	43228	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016051	6_+_16141788_16141811	TGCTAAGTAGGCTGAGATTGATGT	43229	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016052	6_+_16141788_16141813	TGCTAAGTAGGCTGAGATTGATGT CA	43230	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016053	6_+_16141791_16141811	TAAGTAGGCTGAGATTGATGT	43231	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016054	6_+_16141791_16141813	TAAGTAGGCTGAGATTGATGTCA	43232	hsa-miR-4639-5p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016055	6_+_16141828_16141855	ATAACCTCACTCTCACCTTGCTTT GCAG	43233	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016056	6_+_16141832_16141853	CCTCACTCTCACCTTGCTTTGC	43234	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016057	6_+_16141833_16141854	CTCACTCTCACCTTGCTTTGCA	43235	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016058	6_+_16141833_16141856	CTCACTCTCACCTTGCTTTGCAGG	43236	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016059	6_+_16141834_16141854	TCACTCTCACCTTGCTTTGCA	43237	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016060	6_+_16141834_16141855	TCACTCTCACCTTGCTTTGCAG	43238	hsa-miR-4639-3p;Derives_from=MI0017266

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016061	6_+_16141834_16141856	TCACTCTCACCTTGCTTTGCAGG	43239	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016062	6_+_16141835_16141856	CACTCTCACCTTGCTTTGCAGG	43240	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016063	6_+_16141836_16141854	ACTCTCACCTTGCTTTGCA	43241	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016064	6_+_16141836_16141856	ACTCTCACCTTGCTTTGCAGG	43242	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016065	6_+_16141836_16141857	ACTCTCACCTTGCTTTGCAGGC	43243	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016066	6_+_16141836_16141858	ACTCTCACCTTGCTTTGCAGGCA	43244	hsa-miR-4639-3p;Derives_from=MI0017266
NovelMiR_KnownLoci_ID0016067	6_-_166922849_166922873	TCTGCCCCCTCCGCTGCTGCCAAGT	43245	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016068	6_-_166922850_166922873	TCTGCCCCCTCCGCTGCTGCCAAG	43246	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016069	6_-_166922851_166922872	CTGCCCCCTCCGCTGCTGCCAA	43247	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016070	6_-_166922851_166922873	TCTGCCCCCTCCGCTGCTGCCAA	43248	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016071	6_-_166922853_166922873	TCTGCCCCCTCCGCTGCTGCC	43249	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016072	6_-_166922854_166922873	TCTGCCCCCTCCGCTGCTGC	43250	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016073	6_-_166922855_166922873	TCTGCCCCCTCCGCTGCTG	43251	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016074	6_-_166922864_166922879	CAAAACTCTGCCCCCT	43252	hsa-miR-1913;Derives_from=MI0008334
NovelMiR_KnownLoci_ID0016075	6_-_167411317_167411339	TACGCGCAGACCACAGGATGTCC	43253	hsa-miR-3939;Derives_from=MI0016596
NovelMiR_KnownLoci_ID0016076	6_-_167411319_167411339	TACGCGCAGACCACAGGATGT	43254	hsa-miR-3939;Derives_from=MI0016596

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016077	6_-_167411319_167411341	TGTACGCGCAGACCACAGGATGT	43255	hsa-miR-3939;Derives_from=MI0016596
NovelMiR_KnownLoci_ID0016078	6_-_167411320_167411339	TACGCGCAGACCACAGGATG	43256	hsa-miR-3939;Derives_from=MI0016596
NovelMiR_KnownLoci_ID0016079	6_-_167411321_167411339	TACGCGCAGACCACAGGAT	43257	hsa-miR-3939;Derives_from=MI0016596
NovelMiR_KnownLoci_ID0016080	6_-_167411322_167411339	TACGCGCAGACCACAGGA	43258	hsa-miR-3939;Derives_from=MI0016596
NovelMiR_KnownLoci_ID0016081	6_+_170639900_170639921	GTGGAGAGAGAAAAGAGACAGA	43259	hsa-miR-4644;Derives_from=MI0017271
NovelMiR_KnownLoci_ID0016082	6_+_170639901_170639921	TGGAGAGAGAAAAGAGACAGA	43260	hsa-miR-4644;Derives_from=MI0017271
NovelMiR_KnownLoci_ID0016083	6_+_170639901_170639924	TGGAGAGAGAAAAGAGACAGAAGG	43261	hsa-miR-4644;Derives_from=MI0017271
NovelMiR_KnownLoci_ID0016084	6_+_170639901_170639927	TGGAGAGAGAAAAGAGACAGAAGGATG	43262	hsa-miR-4644;Derives_from=MI0017271
NovelMiR_KnownLoci_ID0016085	6_+_170639902_170639924	GGAGAGAGAAAAGAGACAGAAGG	43263	hsa-miR-4644;Derives_from=MI0017271
NovelMiR_KnownLoci_ID0016086	6_+_170639912_170639929	AAGAGACAGAAGGATGGC	43264	hsa-miR-4644;Derives_from=MI0017271
NovelMiR_KnownLoci_ID0016087	6_+_18572074_18572097	ACAAAACTGGCAATTACTTTTGCA	43265	hsa-miR-548a-3p;Derives_from=MI0003593
NovelMiR_KnownLoci_ID0016088	6_+_18572080_18572100	CTGGCAATTACTTTTGCACCA	43266	hsa-miR-548a-3p;Derives_from=MI0003593
NovelMiR_KnownLoci_ID0016089	6_+_27115402_27115417	CGCTAGATAACATTGT	43267	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016090	6_+_27115402_27115421	CGCTAGATAACATTGTAAAG	43268	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016091	6_+_27115403_27115422	GCTAGATAACATTGTAAAGC	43269	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016092	6_+_27115403_27115423	GCTAGATAACATTGTAAAGCG	43270	hsa-miR-3143;Derives_from=MI0014167

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016093	6_+_27115403_27115424	GCTAGATAACATTGTAAAGCGC	43271	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016094	6_+_27115403_27115425	GCTAGATAACATTGTAAAGCGCT	43272	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016095	6_+_27115403_27115426	GCTAGATAACATTGTAAAGCGCTT	43273	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016096	6_+_27115406_27115428	AGATAACATTGTAAAGCGCTTCT	43274	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016097	6_+_27115407_27115425	GATAACATTGTAAAGCGCT	43275	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016098	6_+_27115407_27115428	GATAACATTGTAAAGCGCTTCT	43276	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016099	6_+_27115407_27115429	GATAACATTGTAAAGCGCTTCTT	43277	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016100	6_+_27115407_27115430	GATAACATTGTAAAGCGCTTCTTT	43278	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016101	6_+_27115407_27115431	GATAACATTGTAAAGCGCTTCTTTC	43279	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016102	6_+_27115408_27115423	ATAACATTGTAAAGCG	43280	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016103	6_+_27115408_27115426	ATAACATTGTAAAGCGCTT	43281	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016104	6_+_27115408_27115427	ATAACATTGTAAAGCGCTTC	43282	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016105	6_+_27115408_27115428	ATAACATTGTAAAGCGCTTCT	43283	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016106	6_+_27115408_27115429	ATAACATTGTAAAGCGCTTCTT	43284	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016107	6_+_27115408_27115430	ATAACATTGTAAAGCGCTTCTTT	43285	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016108	6_+_27115408_27115431	ATAACATTGTAAAGCGCTTCTTTC	43286	hsa-miR-3143;Derives_from=MI0014167

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016109	6_+_27115408_27115434	ATAACATTGTAAAGCGCTTCTTTCGCG	43287	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016110	6_+_27115409_27115431	TAACATTGTAAAGCGCTTCTTTC	43288	hsa-miR-3143;Derives_from=MI0014167
NovelMiR_KnownLoci_ID0016111	6_-_2854268_2854283	TTGCCTGGTTTCTCTA	43289	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016112	6_-_2854268_2854288	AGTTCTTGCCTGGTTTCTCTA	43290	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016113	6_-_2854269_2854290	GTAGTTCTTGCCTGGTTTCTCT	43291	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016114	6_-_2854270_2854294	GACAGTAGTTCTTGCCTGGTTTCTC	43292	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016115	6_-_2854270_2854295	AGACAGTAGTTCTTGCCTGGTTTCTC	43293	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016116	6_-_2854271_2854293	ACAGTAGTTCTTGCCTGGTTTCT	43294	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016117	6_-_2854272_2854295	AGACAGTAGTTCTTGCCTGGTTTC	43295	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016118	6_-_2854272_2854296	GAGACAGTAGTTCTTGCCTGGTTTC	43296	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016119	6_-_2854272_2854297	CGAGACAGTAGTTCTTGCCTGGTTTC	43297	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016120	6_-_2854273_2854294	GACAGTAGTTCTTGCCTGGTTT	43298	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016121	6_-_2854273_2854295	AGACAGTAGTTCTTGCCTGGTTT	43299	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016122	6_-_2854273_2854297	CGAGACAGTAGTTCTTGCCTGGTTT	43300	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016123	6_-_2854274_2854293	ACAGTAGTTCTTGCCTGGTT	43301	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016124	6_-_2854274_2854294	GACAGTAGTTCTTGCCTGGTT	43302	hsa-miR-4645-3p;Derives_from=MI0017272

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016125	6_-_2854274_2854297	CGAGACAGTAGTTCTTGCCTGGTT	43303	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016126	6_-_2854275_2854295	AGACAGTAGTTCTTGCCTGGT	43304	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016127	6_-_2854275_2854296	GAGACAGTAGTTCTTGCCTGGT	43305	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016128	6_-_2854275_2854297	CGAGACAGTAGTTCTTGCCTGGT	43306	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016129	6_-_2854276_2854295	AGACAGTAGTTCTTGCCTGG	43307	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016130	6_-_2854276_2854297	CGAGACAGTAGTTCTTGCCTGG	43308	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016131	6_-_2854277_2854293	ACAGTAGTTCTTGCCTG	43309	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016132	6_-_2854278_2854296	GAGACAGTAGTTCTTGCCT	43310	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016133	6_-_2854279_2854297	CGAGACAGTAGTTCTTGCC	43311	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016134	6_-_2854280_2854301	GCGACGAGACAGTAGTTCTTGC	43312	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016135	6_-_2854282_2854297	CGAGACAGTAGTTCTT	43313	hsa-miR-4645-3p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016136	6_-_2854307_2854331	ACCAGGCAACAAATATTGTCTCCTC	43314	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016137	6_-_2854309_2854330	CCAGGCAAGAAATATTGTCTCC	43315	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016138	6_-_2854309_2854331	ACCAGGCAAGAAATATTGTCTCC	43316	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016139	6_-_2854310_2854331	ACCAGGCAAGAAATATTGTCTC	43317	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016140	6_-_2854311_2854331	ACCAGGCAAGAAATATTGTCT	43318	hsa-miR-4645-5p;Derives_from=MI0017272

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016141	6_-_2854312_2854331	ACCAGGCAAGAAATATTGTC	43319	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016142	6_-_2854312_2854332	AACCAGGCAAGAAATATTGTC	43320	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016143	6_-_2854312_2854334	GAAACCAGGCAAGAAATATTGTC	43321	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016144	6_-_2854313_2854332	AACCAGGCAAGAAATATTGT	43322	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016145	6_-_2854313_2854333	AAACCAGGCAAGAAATATTGT	43323	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016146	6_-_2854314_2854331	ACCAGGCAAGAAATATTG	43324	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016147	6_-_2854314_2854333	AAACCAGGCAAGAAATATTG	43325	hsa-miR-4645-5p;Derives_from=MI0017272
NovelMiR_KnownLoci_ID0016148	6_+_30552109_30552124	GTAGAGGAGATGGCGC	43326	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016149	6_+_30552109_30552125	GTAGAGGACATGGCGCA	43327	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016150	6_+_30552109_30552126	GTAGAGGAGATGGCGCAG	43328	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016151	6_+_30552109_30552127	GTAGAGGAGATGGCGCAGG	43329	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016152	6_+_30552109_30552129	GTAGAGGAGATGGCGCAGGGG	43330	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016153	6_+_30552109_30552130	GTAGAGGAGATGGCGCAGGGGA	43331	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016154	6_+_30552109_30552131	GTAGAGGAGATGGCGCAGGGGAC	43332	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016155	6_+_30552109_30552132	GTAGAGGAGATGGCGCAGGGGACA	43333	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016156	6_+_30552109_30552133	GTAGAGGAGATGGCGCAGGGGACAC	43334	hsa-miR-877-5p;Derives_from=MI0005561

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016157	6_+_30552109_30552134	GTAGAGGAGATGGCGCAGGGGACACG	43335	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016158	6_+_30552110_30552131	TAGAGGAGATGGCGCAGGGGAC	43336	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016159	6_+_30552110_30552132	TAGAGGAGATGGCGCAGGGGACA	43337	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016160	6_+_30552111_30552130	AGAGGAGATGGCGCAGGGGA	43338	hsa-miR-877-5p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016161	6_+_30552172_30552191	TGTCCTCTTCTCCCTCCTCC	43339	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016162	6_+_30552172_30552193	TGTCCTCTTCTCCCTCCTCCCA	43340	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016163	6_+_30552172_30552194	TGTCCTCTTCTCCCTCCTCCCAG	43341	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016164	6_+_30552173_30552193	GTCCTCTTCTCCCTCCTCCCA	43342	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016165	6_+_30552174_30552195	TCCTCTTCTCCCTCCTCCCAGG	43343	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016166	6_+_30552174_30552196	TCCTCTTCTCCCTCCTCCCAGGT	43344	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016167	6_+_30552174_30552197	TCCTCTTCTCCCTCCTCCCAGGTG	43345	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016168	6_+_30552175_30552195	CCTCTTCTCCCTCCTCCCAGG	43346	hsa-miR-877-3p;Derives_from=MI0005561
NovelMiR_KnownLoci_ID0016169	6_+_30858667_30858689	CTGGGCCAGGGAGCAGCTGGTGG	43347	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016170	6_+_30858667_30858690	CTGGGCCAGGGAGCAGCTGGTGGG	43348	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016171	6_+_30858667_30858692	CTGGGCCAGGGAGCAGCTGGTGGGTG	43349	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016172	6_+_30858667_30858693	CTGGGCCAGGGAGCAGCTGGTGGGTGG	43350	hsa-miR-4640-5p;Derives_from=MI0017267

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016173	6_+_30858668_30858688	TGGGCCAGGGAGCAGCCTGGTG	43351	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016174	6_+_30858668_30858689	TGGGCCAGGGAGCAGCTGGTGG	43352	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016175	6_+_30858668_30858691	TGGGCCAGGGAGCAGCTGGTGGGT	43353	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016176	6_+_30858668_30858692	TGGGCCAGGGAGCAGCTGGTGGGT G	43354	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016177	6_+_30858668_30858693	TGGGCCAGGGAGCAGCTGGTGGGT GG	43355	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016178	6_+_30858669_30858689	GGGCCAGGGAGCAGCTGGTGG	43356	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016179	6_+_30858669_30858690	GGGCCAGGGAGCAGCTGGTGGG	43357	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016180	6_+_30858670_30858689	GGCCAGGGAGCAGCTGGTGG	43358	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016181	6_+_30858670_30858696	GGCCAGGGAGCAGCTGGTGGGTGG GAA	43359	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016182	6_+_30858672_30858696	CCAGGGAGCAGCTGGTGGGTGGGA A	43360	hsa-miR-4640-5p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016183	6_+_30858722_30858739	CACCCACCCCCTGTTTCC	43361	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016184	6_+_30858722_30858744	CACCCACCCCCTGTTTCCTGGCC	43362	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016185	6_+_30858723_30858745	ACCCACCCCCTGTTTCCTGGCCC	43363	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016186	6_+_30858724_30858745	CCCACCCCCTGTTTCCTGGCCC	43364	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016187	6_+_30858724_30858746	CCCACCCCCTGTTTCCTGGCCCA	43365	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016188	6_+_30858724_30858747	CCCACCCCCTGTTTCCTGGCCCAC	43366	hsa-miR-4640-3p;Derives_from=MI0017267

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016189	6_+_30858724_30858748	CCCACCCCCTGTTTCCTGGCCCAC A	43367	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016190	6_+_30858725_30858746	CCACCCCCTGTTTCCTGGCCCA	43368	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016191	6_+_30858725_30858748	CCACCCCCTGTTTCCTGGCCCACA	43369	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016192	6_+_30858725_30858749	CCACCCCCTGTTTCCTGGCCCACA G	43370	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016193	6_+_30858726_30858742	CACCCCCTGTTTCCTGG	43371	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016194	6_+_30858726_30858744	CACCCCCTGTTTCCTGGCC	43372	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016195	6_+_30858726_30858746	CACCCCCTGTTTCCTGGCCCA	43373	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016196	6_+_30858726_30858748	CACCCCCTGTTTCCTGGCCCACA	43374	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016197	6_+_30858726_30858749	CACCCCCTGTTTCCTGGCCCACAG	43375	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016198	6_+_30858726_30858750	CACCCCCTGTTTCCTGGCCCACAG G	43376	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016199	6_+_30858727_30858748	ACCCCCTGTTTCCTGGCCCACA	43377	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016200	6_+_30858727_30858749	ACCCCCTGTTTCCTGGCCCACAG	43378	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016201	6_+_30858728_30858750	CCCCCTGTTTCCTGGCCCACAGG	43379	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016202	6_+_30858729_30858750	CCCCTGTTTCCTGGCCCACAGG	43380	hsa-miR-4640-3p;Derives_from=MI0017267
NovelMiR_KnownLoci_ID0016203	6_-_31323001_31323025	CCCTCATCTTCCCCTCCTTTCCCA G	43381	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016204	6_-_31323002_31323024	CCTCATCTTCCCCTCCTTTCCCA	43382	hsa-miR-6891-3p;Derives_from=MI0022738

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016205	6_-_31323003_31323025	CCCTCATCTTCCCCTCCTTTCCC	43383	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016206	6_-_31323003_31323028	GGCCCCTCATCTTCCCCTCCTTTCCC	43384	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016207	6_-_31323004_31323024	CCTCATCTTCCCCTCCTTTCC	43385	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016208	6_-_31323004_31323025	CCCTCATCTTCCCCTCCTTTCC	43386	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016209	6_-_31323005_31323024	CCTCATCTTCCCCTCCTTTC	43387	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016210	6_-_31323005_31323026	CCCCTCATCTTCCCCTCCTTTC	43388	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016211	6_-_31323005_31323029	GGGCCCCTCATCTTCCCCTCCTTTC	43389	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016212	6_-_31323006_31323025	CCCTCATCTTCCCCTCCTTT	43390	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016213	6_-_31323006_31323026	CCCCTCATCTTCCCCTCCTTT	43391	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016214	6_-_31323006_31323031	CAGGGCCCCTCATCTTCCCCTCCTTT	43392	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016215	6_-_31323007_31323031	CAGGGCCCCTCATCTTCCCCTCCTT	43393	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016216	6_-_31323008_31323031	CAGGGCCCCTCATCTTCCCCTCCT	43394	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016217	6_-_31323009_31323031	CAGGGCCCCTCATCTTCCCCTCC	43395	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016218	6_-_31323011_31323031	CAGGGCCCCTCATCTTCCCCT	43396	hsa-miR-6891-3p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016219	6_-_31323068_31323083	GGATGAGGGGTCATAT	43397	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016220	6_-_31323068_31323092	TAAGGAGGGGGATGAGGGGTCATAT	43398	hsa-miR-6891-5p;Derives_from=MI0022738

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016221	6_-_31323068_31323093	GTAAGGAGGGGGGATGAGGGGTCATAT	43399	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016222	6_-_31323069_31323093	GTAAGGAGGGGGGATGAGGGGTCATA	43400	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016223	6_-_31323070_31323092	TAAGGAGGGGGGATGAGGGGTCAT	43401	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016224	6_-_31323070_31323093	GTAAGGAGGGGGGATGAGGGGTCAT	43402	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016225	6_-_31323071_31323092	TAAGGAGGGGGGATGAGGGGTCA	43403	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016226	6_-_31323071_31323093	GTAAGGAGGGGGGATGAGGGGTCA	43404	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016227	6_-_31323072_31323092	TAAGGAGGGGGGATGAGGGGTC	43405	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016228	6_-_31323072_31323093	GTAAGGAGGGGGGATGAGGGGTC	43406	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016229	6_-_31323073_31323092	TAAGGAGGGGGGATGAGGGGT	43407	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016230	6_-_31323073_31323093	GTAAGGAGGGGGGATGAGGGGT	43408	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016231	6_-_31323074_31323093	GTAAGGAGGGGGGATGAGGGG	43409	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016232	6_-_31323075_31323093	GTAAGGAGGGGGGATGAGGG	43410	hsa-miR-6891-5p;Derives_from=MI0022738
NovelMiR_KnownLoci_ID0016233	6_+_31601563_31601580	AGGTGGAGTAGAGAGGAA	43411	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016234	6_+_31601565_31601587	GTGGAGTAGAGAGGAAAAGTTAG	43412	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016235	6_+_31601566_31601587	TGGAGTAGAGAGGAAAAGTTAG	43413	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016236	6_+_31601566_31601588	TGGAGTAGAGAGGAAAAGTTAGG	43414	hsa-miR-6832-5p;Derives_from=MI0022677

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016237	6_+_31601566_31601589	TGGAGTAGAGAGGAAAAGTTAGGG	43415	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016238	6_+_31601566_31601590	TGGAGTAGAGAGGAAAAGTTAGGGT	43416	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016239	6_+_31601566_31601591	TGGAGTAGAGAGGAAAAGTTAGGGTC	43417	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016240	6_+_31601566_31601592	TGGAGTAGAGAGGAAAAGTTAGGGTCA	43418	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016241	6_+_31601567_31601592	GGAGTAGAGAGGAAAAGTTAGGGTCA	43419	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016242	6_+_31601568_31601588	GAGTAGAGAGGAAAAGTTAGG	43420	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016243	6_+_31601568_31601592	GAGTAGAGAGGAAAAGTTAGGGTCA	43421	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016244	6_+_31601569_31601587	AGTAGAGAGGAAAAGTTAG	43422	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016245	6_+_31601569_31601590	AGTAGAGAGGAAAAGTTAGGGT	43423	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016246	6_+_31601569_31601592	AGTAGAGAGGAAAAGTTAGGGTCA	43424	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016247	6_+_31601569_31601594	AGTAGAGAGGAAAAGTTAGGGTCAGT	43425	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016248	6_+_31601571_31601594	TAGAGAGGAAAAGTTAGGGTCAGT	43426	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016249	6_+_31601571_31601597	TAGAGAGGAAAAGTTAGGGTCAGTGGC	43427	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016250	6_+_31601572_31601594	AGAGAGGAAAAGTTAGGGTCAGT	43428	hsa-miR-6832-5p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016251	6_+_31601610_31601630	ATGCTGACCCTTTTTCTCTTT	43429	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016252	6_+_31601610_31601635	ATGCTGACCCTTTTTCTCTTTCCCAG	43430	hsa-miR-6832-3p;Derives_from=MI0022677

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016253	6_+_31601611_31601636	TGCTGACCCTTTTCTCTTTCCCA GA	43431	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016254	6_+_31601614_31601632	TGACCCTTTTTCTCTTTCC	43432	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016255	6_+_31601614_31601633	TGACCCTTTTTCTCTTTCCC	43433	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016256	6_+_31601614_31601634	TGACCCTTTTTCTCTTTCCCA	43434	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016257	6_+_31601614_31601635	TGACCCTTTTTCTCTTTCCCAG	43435	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016258	6_+_31601614_31601636	TGACCCTTTTTCTCTTTCCCAGA	43436	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016259	6_+_31601614_31601637	TGACCCTTTTTCTCTTTCCCAGAC	43437	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016260	6_+_31601615_31601636	GACCCTTTTTCTCTTTCCCAGA	43438	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016261	6_+_31601616_31601636	ACCCTTTTTCTCTTTCCCAGA	43439	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016262	6_+_31601616_31601637	ACCCTTTTTCTCTTTCCCAGAC	43440	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016263	6_+_31601616_31601638	ACCCTTTTTCTCTTTCCCAGACC	43441	hsa-miR-6832-3p;Derives_from=MI0022677
NovelMiR_KnownLoci_ID0016264	6_-_31668802_31668826	ATTGTCCCTCTCCCTTCCCAGGTT A	43442	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016265	6_-_31668803_31668824	TGTCCCTCTCCCTTCCCAGGTT	43443	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016266	6_-_31668803_31668825	TTGTCCCTCTCCCTTCCCAGGTT	43444	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016267	6_-_31668803_31668826	ATTGTCCCTCTCCCTTCCCAGGTT	43445	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016268	6_-_31668804_31668824	TGTCCCTCTCCCTTCCCAGGT	43446	hsa-miR-4646-3p;Derives_from=MI0017273

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016269	6_-_31668804_31668825	TTGTCCCTCTCCCTTCCCAGGT	43447	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016270	6_-_31668804_31668826	ATTGTCCCCTCTCCCTTCCCAGGT	43448	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016271	6_-_31668805_31668825	TTGTCCCTCTCCCTTCCCAGG	43449	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016272	6_-_31668805_31668826	ATTGTCCCTCTCCCTTCCCAGG	43450	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016273	6_-_31668805_31668827	CATTGTCCCTCTCCCTTCCCAGG	43451	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016274	6_-_31668806_31668827	CATTGTCCCTCTCCCTTCCCAG	43452	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016275	6_-_31668807_31668825	TTGTCCCTCTCCCTTCCCA	43453	hsa-miR-4646-3p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016276	6_-_31668841_31668859	AGGAGCTGAGGGACATTGC	43454	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016277	6_-_31668841_31668860	GAGGAGCTGAGGGACATTGC	43455	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016278	6_-_31668841_31668861	AGAGGAGCTGAGGGACATTGC	43456	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016279	6_-_31668841_31668862	AAGAGGAGCTGAGGGACATTGC	43457	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016280	6_-_31668842_31668866	TGGGAAGAGGAGCTGAGGGACATTG	43458	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016281	6_-_31668842_31668867	CTGGGAAGAGGAGCTGAGGGACATTG	43459	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016282	6_-_31668843_31668866	TGGGAAGAGGAGCTGAGGGACATT	43460	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016283	6_-_31668843_31668867	CTGGGAAGAGGAGCTGAGGGACATT	43461	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016284	6_-_31668843_31668868	ACTGGGAAGAGGAGCTGAGGGACATT	43462	hsa-miR-4646-5p;Derives_from=MI0017273

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016285	6_-_31668844_31668866	TGGGAAGAGGAGCTGAGGGACAT	43463	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016286	6_-_31668845_31668869	AACTGGGAAGAGGAGCTGAGGGACA	43464	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016287	6_-_31668845_31668870	GAACTGGGAAGAGGAGCTGAGGGACA	43465	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016288	6_-_31668846_31668866	TGGGAAGAGGAGCTGAGGGAC	43466	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016289	6_-_31668846_31668867	CTGGGAAGAGGAGCTGAGGGAC	43467	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016290	6_-_31668846_31668868	ACTGGGAAGAGGAGCTGAGGGAC	43468	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016291	6_-_31668847_31668866	TGGGAAGAGGAGCTGAGGGA	43469	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016292	6_-_31668847_31668869	AACTGGGAAGAGGAGCTGAGGGA	43470	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016293	6_-_31668851_31668868	ACTGGGAAGAGGAGCTGA	43471	hsa-miR-4646-5p;Derives_from=MI0017273
NovelMiR_KnownLoci_ID0016294	6_-_31924613_31924635	TCTTCCCCTTGTCTCTCCAGCAC	43472	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016295	6_-_31924614_31924635	TCTTCCCCTTGTCTCTCCAGCA	43473	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016296	6_-_31924614_31924636	CTCTTCCCCTTGTCTCTCCAGCA	43474	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016297	6_-_31924614_31924637	CCTCTTCCCCTTGTCTCTCCAGCA	43475	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016298	6_-_31924615_31924635	TCTTCCCCTTGTCTCTCCAGC	43476	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016299	6_-_31924615_31924636	CTCTTCCCCTTGTCTCTCCAGC	43477	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016300	6_-_31924615_31924637	CCTCTTCCCCTTGTCTCTCCAGC	43478	hsa-miR-1236-3p;Derives_from=MI0006326

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016301	6_-_31924616_31924635	TCTTCCCCTTGTCTCTCCAG	43479	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016302	6_-_31924616_31924642	TAATGCCTCTTCCCCTTGTCTCTCCAG	43480	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016303	6_-_31924618_31924637	CCTCTTCCCCTTGTCTCTCC	43481	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016304	6_-_31924623_31924643	ATAATGCCTCTTCCCCTTGTC	43482	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016305	6_-_31924625_31924643	ATAATGCCTCTTCCCCTTG	43483	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016306	6_-_31924626_31924643	ATAATGCCTCTTCCCCTT	43484	hsa-miR-1236-3p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016307	6_-_31924689_31924714	AGTGACAGGGGAAATGGGGATGGACT	43485	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016308	6_-_31924689_31924715	GAGTGACAGGGGAAATGGGGATGGACT	43486	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016309	6_-_31924691_31924717	GTGAGTGACAGGGGAAATGGGGATGGA	43487	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016310	6_-_31924692_31924716	TGAGTGACAGGGGAAATGGGGATGG	43488	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016311	6_-_31924693_31924717	GTGAGTGACAGGGGAAATGGGGATG	43489	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016312	6_-_31924694_31924716	TGAGTGACAGGGGAAATGGGGAT	43490	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016313	6_-_31924694_31924717	GTGAGTGACAGGGGAAATGGGGAT	43491	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016314	6_-_31924695_31924717	GTGAGTGACAGGGGAAATGGGGA	43492	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016315	6_-_31924696_31924716	TGAGTGACAGGGGAAATGGGG	43493	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016316	6_-_31924696_31924717	GTGAGTGACAGGGGAAATGGGG	43494	hsa-miR-1236-5p;Derives_from=MI0006326

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016317	6_-_31924697_31924716	TGAGTGACAGGGGAAATGGG	43495	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016318	6_-_31924697_31924717	GTGAGTGACAGGGGAAATGGG	43496	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016319	6_-_31924698_31924717	GTGAGTGACAGGGGAAATGG	43497	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016320	6_-_31924700_31924716	TGAGTGACAGGGGAAAT	43498	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016321	6_-_31924701_31924717	GTGAGTGACAGGGGAAA	43499	hsa-miR-1236-5p;Derives_from=MI0006326
NovelMiR_KnownLoci_ID0016322	6_-_32137857_32137876	GGGCTTATTGTAGGAGTCTC	43500	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016323	6_-_32137857_32137883	TGGGCAGGGGCTTATTGTAGGAGTCTC	43501	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016324	6_-_32137858_32137883	TGGGCAGGGGCTTATTGTAGGAGTCT	43502	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016325	6_-_32137859_32137883	TGGGCAGGGGCTTATTGTAGGAGTC	43503	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016326	6_-_32137859_32137884	CTGGGCAGGGGCTTATTGTAGGAGTC	43504	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016327	6_-_32137860_32137883	TGGGCAGGGGCTTATTGTAGGAGT	43505	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016328	6_-_32137862_32137883	TGGGCAGGGGCTTATTGTAGGA	43506	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016329	6_-_32137863_32137883	TGGGCAGGGGCTTATTGTAGG	43507	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016330	6_-_32137867_32137883	TGGGCAGGGGCTTATTG	43508	hsa-miR-6721-5p;Derives_from=MI0022556
NovelMiR_KnownLoci_ID0016331	6_+_32147598_32147617	GTGTGGAAGATGGGAGGAGA	43509	hsa-miR-6833-5p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016332	6_+_32147598_32147618	GTGTGGAAGATGGGAGGAGAA	43510	hsa-miR-6833-5p;Derives_from=MI0022678

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016333	6_+_32147598_32147620	GTGTGGAAGATGGGAGGAGAAAA	43511	hsa-miR-6833-5p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016334	6_+_32147599_32147617	TGTGGAAGATGGGAGGAGA	43512	hsa-miR-6833-5p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016335	6_+_32147599_32147618	TGTGGAAGATGGGAGGAGAA	43513	hsa-miR-6833-5p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016336	6_+_32147599_32147619	TGTGGAAGATGGGAGGAGAAA	43514	hsa-miR-6833-5p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016337	6_+_32147633_32147654	TTTCTCTCTCCACTTCCTCAGA	43515	hsa-miR-6833-3p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016338	6_+_32147633_32147656	TTTCTCTCTCCACTTCCTCAGATT	43516	hsa-miR-6833-3p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016339	6_+_32147634_32147653	TTCTCTCTCCACTTCCTCAG	43517	hsa-miR-6833-3p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016340	6_+_32147634_32147654	TTCTCTCTCCACTTCCTCAGA	43518	hsa-miR-6833-3p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016341	6_+_32147634_32147656	TTCTCTCTCCACTTCCTCAGATT	43519	hsa-miR-6833-3p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016342	6_+_32147635_32147656	TCTCTCTCCACTTCCTCAGATT	43520	hsa-miR-6833-3p;Derives_from=MI0022678
NovelMiR_KnownLoci_ID0016343	6_-_32717727_32717750	GGCTGGAGCGAGTGCAGTGGTGCA	43521	hsa-miR-3135b;Derives_from=MI0016809
NovelMiR_KnownLoci_ID0016344	6_+_33175630_33175654	CCTGATTGTCCAAACGCAATTCTCG	43522	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016345	6_+_33175632_33175653	TGATTGTCCAAACGCAATTCTC	43523	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016346	6_+_33175632_33175654	TGATTGTCCAAACGCAATTCTCG	43524	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016347	6_+_33175632_33175655	TGATTGTCCAAACGCAATTCTCGA	43525	hsa-miR-219a-5p;Derives_from=MI0000296

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016348	6_+_33175632_33175656	TGATTGTCCAAACGCAATTCTCGAG	43526	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016349	6_+_33175632_33175657	TGATTGTCCAAACGCAATTCTCGAGT	43527	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016350	6_+_33175632_33175658	TGATTGTCCAAACGCAATTCTCGAGTC	43528	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016351	6_+_33175633_33175653	GATTGTCCAAACGCAATTCTC	43529	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016352	6_+_33175633_33175654	GATTGTCCAAACGCAATTCTCG	43530	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016353	6_+_33175633_33175655	GATTGTCCAAACGCAATTCTCGA	43531	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016354	6_+_33175634_33175654	ATTGTCCAAACGCAATTCTCG	43532	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016355	6_+_33175634_33175658	ATTGTCCAAACGCAATTCTCGAGTC	43533	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016356	6_+_33175637_33175656	GTCCAAACGCAATTCTCGAG	43534	hsa-miR-219a-5p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016357	6_+_33175667_33175687	CGGCCGAGAGTTGAGTCTGGA	43535	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016358	6_+_33175667_33175691	CGGCCGAGAGTTGAGTCTGGACGTC	43536	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016359	6_+_33175670_33175692	CCGAGAGTTGAGTCTGGACGTCC	43537	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016360	6_+_33175671_33175692	CGAGAGTTGAGTCTGGACGTCC	43538	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016361	6_+_33175672_33175694	GAGAGTTGAGTCTGGACGTCCCG	43539	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016362	6_+_33175673_33175691	AGAGTTGAGTCTGGACGTC	43540	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016363	6_+_33175673_33175692	AGAGTTGAGTCTGGACGTCC	43541	hsa-miR-219a-1-3p;Derives_from=MI0000296

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016364	6_+_33175673_33175693	AGAGTTGAGTCTGGACGTCCC	43542	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016365	6_+_33175673_33175695	AGAGTTGAGTCTGGACGTCCCGA	43543	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016366	6_+_33175673_33175696	AGAGTTGAGTCTGGACGTCCCGAG	43544	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016367	6_+_33175673_33175697	AGAGTTGAGTCTGGACGTCCCGAG C	43545	hsa-miR-219a-1-3p;Derives_from=MI0000296
NovelMiR_KnownLoci_ID0016368	6_-_33255001_33255026	TTCTCTCTGTCTTTCTCTCTCAGT CA	43546	hsa-miR-6873-3p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016369	6_-_33255038_33255061	CAGAGGGAATACAGAGGGCAATCA	43547	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016370	6_-_33255039_33255061	CAGAGGGAATACAGAGGGCAATC	43548	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016371	6_-_33255040_33255062	GCAGAGGGAATACAGAGGGCAAT	43549	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016372	6_-_33255041_33255060	AGAGGGAATACAGAGGGCAA	43550	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016373	6_-_33255041_33255061	CAGAGGGAATACAGAGGGCAA	43551	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016374	6_-_33255041_33255062	GCAGACGGAATACAGAGGGCAA	43552	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016375	6_-_33255041_33255064	CAGCAGAGGGAATACAGAGGGCAA	43553	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016376	6_-_33255042_33255060	AGAGGGAATACAGAGGGCA	43554	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016377	6_-_33255042_33255061	CAGAGGGAATACAGAGGGCA	43555	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016378	6_-_33255042_33255063	AGCAGAGGGAATACAGAGGGCA	43556	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016379	6_-_33255042_33255064	CAGCAGAGGGAATACAGAGGGCA	43557	hsa-miR-6873-5p;Derives_from=MI0022720

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016380	6_-_33255043_33255063	AGCAGAGGGAATACAGAGGGC	43558	hsa-miR-6873-5p;Derives_from=MI0022720
NovelMiR_KnownLoci_ID0016381	6_+_33258022_33258037	GTGAGGGACTGGGATT	43559	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016382	6_+_33258022_33258038	GTGAGGGACTGGGATTT	43560	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016383	6_+_33258022_33258039	GTGAGGGACTGGGATTTG	43561	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016384	6_+_33258022_33258041	GTGAGGGACTGGGATTTGTG	43562	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016385	6_+_33258022_33258043	GTGAGGGACTGGGATTTGTGGG	43563	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016386	6_+_33258022_33258044	GTGAGGGACTGGGATTTGTGGGG	43564	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016387	6_+_33258022_33258046	GTGAGGGACTGGGATTTGTGGGGC G	43565	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016388	6_+_33258022_33258047	GTGAGGGACTGGGATTTGTGGGGC GA	43566	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016389	6_+_33258022_33258048	GTGAGGGACTGGGATTTGTGGGGC GAG	43567	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016390	6_+_33258023_33258042	TGAGGGACTGGGATTTGTGG	43568	hsa-miR-6834-5p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016391	6_+_33258076_33258098	ATCACATATGTCCCATCCCTCCA	43569	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016392	6_+_33258076_33258099	ATCACATATGTCCCATCCCTCCAT	43570	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016393	6_+_33258076_33258101	ATCACATATGTCCCATCCCTCCAT CA	43571	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016394	6_+_33258079_33258099	ACATATGTCCCATCCCTCCAT	43572	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016395	6_+_33258079_33258100	ACATATGTCCCATCCCTCCATC	43573	hsa-miR-6834-3p;Derives_from=MI0022679

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016396	6_+_33258079_33258101	ACATATGTCCCATCCCTCCATCA	43574	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016397	6_+_33258079_33258105	ACATATGTCCCATCCCTCCATCAGGAA	43575	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016398	6_+_33258080_33258100	CATATGTCCCATCCCTCCATC	43576	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016399	6_+_33258080_33258103	CATATGTCCCATCCCTCCATCAGG	43577	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016400	6_+_33258080_33258106	CATATGTCCCATCCCTCCATCAGGAAC	43578	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016401	6_+_33258082_33258100	TATGTCCCATCCCTCCATC	43579	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016402	6_+_33258082_33258102	TATGTCCCATCCCTCCATCAG	43580	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016403	6_+_33258082_33258103	TATGTCCCATCCCTCCATCAGG	43581	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016404	6_+_33258082_33258105	TATGTCCCATCCCTCCATCAGGAA	43582	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016405	6_+_33258084_33258103	TGTCCCATCCCTCCATCAGG	43583	hsa-miR-6834-3p;Derives_from=MI0022679
NovelMiR_KnownLoci_ID0016406	6_+_33406128_33406148	TGAGGACAGGGCAAATTCACG	43584	hsa-miR-5004-5p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016407	6_+_33406128_33406150	TGAGGACAGGGCAAATTCACGAG	43585	hsa-miR-5004-5p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016408	6_+_33406128_33406151	TGAGGACAGGGCAAATTCACGAGA	43586	hsa-miR-5004-5p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016409	6_+_33406128_33406153	TGAGGACAGGGCAAATTCACGAGATT	43587	hsa-miR-5004-5p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016410	6_+_33406174_33406196	CTTGGATTTTCCTGGGCCTCAGG	43588	hsa-miR-5004-3p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016411	6_+_33406174_33406197	CTTGGATTTTCCTGGGCCTCAGGA	43589	hsa-miR-5004-3p;Derives_from=MI0017870

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016412	6_+_33406174_33406198	CTTGGATTTTCCTGGGCCTCAGGAC	43590	hsa-miR-5004-3p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016413	6_+_33406175_33406192	TTGGATTTTCCTGGGCCT	43591	hsa-miR-5004-3p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016414	6_+_33406175_33406196	TTGGATTTTCCTGGGCCTCAGG	43592	hsa-miR-5004-3p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016415	6_+_33406175_33406197	TTGGATTTTCCTGGGCCTCAGGA	43593	hsa-miR-5004-3p;Derives_from=MI0017870
NovelMiR_KnownLoci_ID0016416	6_+_33665923_33665943	CAGTTTTCAGGTGTGGAAACT	43594	hsa-miR-3934-5p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016417	6_+_33665928_33665949	TTCAGGTGTGGAAACTGAGGCA	43595	hsa-miR-3934-5p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016418	6_+_33665929_33665949	TCAGGTGTGGAAACTGAGGCA	43596	hsa-miR-3934-5p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016419	6_+_33665929_33665951	TCAGGTGTGGAAACTGAGGCAGG	43597	hsa-miR-3934-5p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016420	6_+_33665929_33665952	TCAGGTGTGGAAACTGAGGCAGGA	43598	hsa-miR-3934-5p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016421	6_+_33665929_33665953	TCAGGTGTGGAAACTGAGGCAGGAG	43599	hsa-miR-3934-5p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016422	6_+_33665967_33665989	TTGCTCAGGTTGCACAGCTGGGA	43600	hsa-miR-3934-3p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016423	6_+_33665968_33665987	TGCTCAGGTTGCACAGCTGG	43601	hsa-miR-3934-3p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016424	6_+_33665968_33665988	TGCTCAGGTTGCACAGCTGGG	43602	hsa-miR-3934-3p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016425	6_+_33665968_33665990	TGCTCAGGTTGCACAGCTGGGAA	43603	hsa-miR-3934-3p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016426	6_+_33665968_33665991	TGCTCAGGTTGCACAGCTGGGAAG	43604	hsa-miR-3934-3p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016427	6_+_33665968_33665992	TGCTCAGGTTGCACAGCTGGGAAGT	43605	hsa-miR-3934-3p;Derives_from=MI0016590

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016428	6_+_33665974_33665995	GGTTGCACAGCTGGGAAGTGGA	43606	hsa-miR-3934-3p;Derives_from=MI0016590
NovelMiR_KnownLoci_ID0016429	6_-_33967789_33967811	GTGGGGGAGAGGCTGTCTTGTGT	43607	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016430	6_-_33967790_33967811	GTGGGGGAGAGGCTGTCTTGTG	43608	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016431	6_-_33967790_33967813	GTGTGGGGGAGAGGCTGTCTTGTG	43609	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016432	6_-_33967791_33967811	GTGGGGGAGAGGCTGTCTTGT	43610	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016433	6_-_33967791_33967813	GTGTGGGGGAGAGGCTGTCTTGT	43611	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016434	6_-_33967792_33967811	GTGGGGGAGAGGCTGTCTTG	43612	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016435	6_-_33967793_33967811	GTGGGGGAGAGGCTGTCTT	43613	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016436	6_-_33967793_33967813	GTGTGGGGGAGAGGCTGTCTT	43614	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016437	6_-_33967794_33967811	GTGGGGGAGAGGCTGTCT	43615	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016438	6_-_33967794_33967813	GTGTGGGGGAGAGGCTGTCT	43616	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016439	6_-_33967795_33967812	TGTGGGGGAGAGGCTCTC	43617	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016440	6_-_33967795_33967813	GTGTGGGGGAGAGGCTGTC	43618	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016441	6_-_33967796_33967812	TGTGGGGGAGAGGCTGT	43619	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016442	6_-_33967796_33967813	GTGTGGGGGAGAGGCTGT	43620	hsa-miR-1275;Derives_from=MI0006415
NovelMiR_KnownLoci_ID0016443	6_+_34208452_34208470	A'TGAGGGGGTAGAAAGTGG	43621	hsa-miR-6835-5p;Derives_from=MI0022680

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016444	6_+_34208452_34208474	ATGAGGGGGTAGAAAGTGGCTGA	43622	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016445	6_+_34208452_34208477	ATGAGGGGGTAGAAAGTGGCTGAAGC	43623	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016446	6_+_34208453_34208474	TGAGGGGGTAGAAAGTGGCTGA	43624	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016447	6_+_34208453_34208475	TGAGGGGGTAGAAAGTGGCTGAA	43625	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016448	6_+_34208453_34208477	TGAGGGGGTAGAAAGTGGCTGAAGC	43626	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016449	6_+_34208455_34208477	AGGGGGTAGAAAGTGGCTGAAGC	43627	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016450	6_+_34208460_34208481	GTAGAAAGTGGCTGAAGCGAGA	43628	hsa-miR-6835-5p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016451	6_+_34208487_34208512	GTCTAAAAGCACTTTTCTGTCTCCCA	43629	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016452	6_+_34208491_34208512	AAAAGCACTTTTCTGTCTCCCA	43630	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016453	6_+_34208491_34208514	AAAAGCACTTTTCTGTCTCCCAGC	43631	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016454	6_+_34208493_34208513	AAGCACTTTTCTGTCTCCCAG	43632	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016455	6_+_34208493_34208514	AAGCACTTTTCTGTCTCCCAGC	43633	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016456	6_+_34208493_34208516	AAGCACTTTTCTGTCTCCCAGCAT	43634	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016457	6_+_34208494_34208513	AGCACTTTTCTGTCTCCCAG	43635	hsa-miR-6835-3p;Derives_from=MI0022680
NovelMiR_KnownLoci_ID0016458	6_+_35438283_35438304	CACTGGGGGAGGAAGGACAGGC	43636	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016459	6_+_35438284_35438304	ACTGGGGGAGGAAGGACAGGC	43637	hsa-miR-7111-5p;Derives_from=MI0022962

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016460	6_+_35438284_35438306	ACTGGGGGAGGAAGGACAGGCCA	43638	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016461	6_+_35438284_35438307	ACTGGGGGAGGAAGGACAGGCCAT	43639	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016462	6_+_35438285_35438306	CTGGGGGAGGAAGGACAGGCCA	43640	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016463	6_+_35438285_35438307	CTGGGGGAGGAAGGACAGGCCAT	43641	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016464	6_+_35438285_35438309	CTGGGGGAGGAAGGACAGGCCATC T	43642	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016465	6_+_35438286_35438305	TGGGGGAGGAAGGACAGGCC	43643	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016466	6_+_35438286_35438306	TGGGGGAGGAAGGACAGGCCA	43644	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016467	6_+_35438286_35438308	TGGGGGAGGAAGGACAGGCCATC	43645	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016468	6_+_35438286_35438309	TGGGGGAGGAAGGACAGGCCATCT	43646	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016469	6_+_35438295_35438313	AAGGACAGGCCATCTCCTA	43647	hsa-miR-7111-5p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016470	6_+_35438329_35438347	GACTTGATCCTCTCTTCCC	43648	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016471	6_+_35438329_35438348	GACTTGATCCTCTCTTCCCT	43649	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016472	6_+_35438329_35438349	GACTTGATCCTCTCTTCCCTC	43650	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016473	6_+_35438329_35438350	GACTTGATCCTCTCTTCCCTCC	43651	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016474	6_+_35438329_35438351	GACTTGATCCTCTCTTCCCTCCT	43652	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016475	6_+_35438330_35438351	ACTTGATCCTCTCTTCCCTCCT	43653	hsa-miR-7111-3p;Derives_from=MI0022962

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016476	6_+_35438333_35438359	TGATCCTCTCTTCCCTCCTCCCAGGTG	43654	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016477	6_+_35438335_35438354	ATCCTCTCTTCCCTCCTCCC	43655	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016478	6_+_35438335_35438357	ATCCTCTCTTCCCTCCTCCCAGG	43656	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016479	6_+_35438335_35438358	ATCCTCTCTTCCCTCCTCCCAGGT	43657	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016480	6_+_35438335_35438359	ATCCTCTCTTCCCTCCTCCCAGGTG	43658	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016481	6_+_35438336_35438355	TCCTCTCTTCCCTCCTCCCA	43659	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016482	6_+_35438336_35438357	TCCTCTCTTCCCTCCTCCCAGG	43660	hsa-miR-7111-3p;Derives_from=MI0022962
NovelMiR_KnownLoci_ID0016483	6_-_35632533_35632556	CAGCTACTACCTCTATTAGGATTT	43661	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016484	6_-_35632533_35632557	TCAGCTACTACCTCTATTAGGATTT	43662	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016485	6_-_35632534_35632557	TCAGCTACTACCTCTATTAGGATT	43663	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016486	6_-_35632534_35632558	TTCAGCTACTACCTCTATTAGGATT	43664	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016487	6_-_35632535_35632557	TCAGCTACTACCTCTATTAGGAT	43665	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016488	6_-_35632536_35632556	CAGCTACTACCTCTATTAGGA	43666	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016489	6_-_35632536_35632557	TCAGCTACTACCTCTATTAGGA	43667	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016490	6_-_35632536_35632558	TTCAGCTACTACCTCTATTAGGA	43668	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016491	6_-_35632538_35632557	TCAGCTACTACCTCTATTAG	43669	hsa-miR-5690;Derives_from=MI0019295

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016492	6_-_35632539_35632557	TCAGCTACTACCTCTATTA	43670	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016493	6_-_35632540_35632557	TCAGCTACTACCTCTATT	43671	hsa-miR-5690;Derives_from=MI0019295
NovelMiR_KnownLoci_ID0016494	6_-_36590221_36590243	ACTCCAGTTTTAGTTCTCTTGCT	43672	hsa-miR-3925-3p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016495	6_-_36590222_36590243	ACTCCAGTTTTAGTTCTCTTGC	43673	hsa-miR-3925-3p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016496	6_-_36590222_36590244	GACTCCAGTTTTAGTTCTCTTGC	43674	hsa-miR-3925-3p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016497	6_-_36590223_36590242	CTCCAGTTTTAGTTCTCTTG	43675	hsa-miR-3925-3p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016498	6_-_36590223_36590244	GACTCCAGTTTTAGTTCTCTTG	43676	hsa-miR-3925-3p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016499	6_-_36590224_36590244	GACTCCAGTTTTAGTTCTCTT	43677	hsa-miR-3925-3p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016500	6_-_36590254_36590278	AAGAGAACTGAAAGTGGAGCCTGTC	43678	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016501	6_-_36590255_36590276	GAGAACTGAAAGTGGAGCCTGT	43679	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016502	6_-_36590255_36590277	AGAGAACTGAAAGTGGAGCCTGT	43680	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016503	6_-_36590256_36590277	AGAGAACTGAAAGTGGAGCCTG	43681	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016504	6_-_36590258_36590278	AAGAGAACTGAAAGTGGAGCC	43682	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016505	6_-_36590259_36590277	AGAGAACTGAAAGTGGAGC	43683	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016506	6_-_36590259_36590278	AAGAGAACTGAAAGTGGAGC	43684	hsa-miR-3925-5p;Derives_from=MI0016433
NovelMiR_KnownLoci_ID0016507	6_-_36590259_36590281	AGCAAGAGAACTGAAAGTGGAGC	43685	hsa-miR-3925-5p;Derives_from=MI0016433

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016508	6_-_37523141_37523162	ACACGGAGGGTGGCTTGGGAAA	43686	hsa-miR-4462;Derives_from=MI0016810
NovelMiR_KnownLoci_ID0016509	6_-_37523141_37523164	TGACACGGAGGGTGGCTTGGGAAA	43687	hsa-miR-4462;Derives_from=MI0016810
NovelMiR_KnownLoci_ID0016510	6_+_41566502_41566521	TGCCCATGCCATACTTTTGC	43688	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016511	6_+_41566502_41566522	TGCCCATGCCATACTTTTGCC	43689	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016512	6_+_41566502_41566523	TGCCCATGCCATACTTTTGCCT	43690	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016513	6_+_41566502_41566524	TGCCCATGCCATACTTTTGCCTC	43691	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016514	6_+_41566502_41566526	TGCCCATGCCATACTTTTGCCTCA G	43692	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016515	6_+_41566502_41566527	TGCCCATGCCATACTTTTGCCTCA GC	43693	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016516	6_+_41566505_41566521	CCATGCCATACTTTTGC	43694	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016517	6_+_41566505_41566527	CCATGCCATACTTTTGCCTCAGC	43695	hsa-miR-4641;Derives_from=MI0017268
NovelMiR_KnownLoci_ID0016518	6_+_43402283_43402304	CCTGGGGAAGGCTTGGCAGGGA	43696	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016519	6_+_43402283_43402305	CCTGGGGAAGGCTTGGCAGGGAA	43697	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016520	6_+_43402283_43402306	CCTGGGGAAGGCTTGGCAGGGAAG	43698	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016521	6_+_43402283_43402307	CCTGGGGAAGGCTTGGCAGGGAAG A	43699	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016522	6_+_43402283_43402308	CCTGGGGAAGGCTTGGCAGGGAAG AC	43700	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016523	6_+_43402284_43402304	CTGGGGAAGGCTTGGCAGGGA	43701	hsa-miR-6780b-5p;Derives_from=MI0022681

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016524	6_+_43402284_43402306	CTGGGGAAGGCTTGGCAGGGAAG	43702	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016525	6_+_43402284_43402308	CTGGGGAAGGCTTGGCAGGGAAGAC	43703	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016526	6_+_43402285_43402303	TGGGGAAGGCTTGGCAGGG	43704	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016527	6_+_43402285_43402305	TGGGGAAGGCTTGGCAGGGAA	43705	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016528	6_+_43402285_43402306	TGGGGAAGGCTTGGCAGGGAAG	43706	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016529	6_+_43402285_43402308	TGGGGAAGGCTTGGCAGGGAAGAC	43707	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016530	6_+_43402285_43402310	TGGGGAAGGCTTGGCAGGGAAGACAC	43708	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016531	6_+_43402290_43402307	AAGGCTTGGCAGGGAAGA	43709	hsa-miR-6780b-5p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016532	6_+_43402338_43402354	TCCCTTGTCTCCTTTCC	43710	hsa-miR-6780b-3p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016533	6_+_43402338_43402357	TCCCTTGTCTCCTTTCCCTA	43711	hsa-miR-6780b-3p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016534	6_+_43402338_43402359	TCCCTTGTCTCCTTTCCCTAGC	43712	hsa-miR-6780b-3p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016535	6_+_43402338_43402360	TCCCTTGTCTCCTTTCCCTAGCT	43713	hsa-miR-6780b-3p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016536	6_+_43402338_43402361	TCCCTTGTCTCCTTTCCCTAGCTT	43714	hsa-miR-6780b-3p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016537	6_+_43402339_43402359	CCCTTGTCTCCTTTCCCTAGC	43715	hsa-miR-6780b-3p;Derives_from=MI0022681
NovelMiR_KnownLoci_ID0016538	6_-_44221984_44221999	TGCTGAGGAAAGGGGA	43716	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016539	6_-_44221985_44222008	ATGGTGCTGTGCTGAGGAAAGGGG	43717	hsa-miR-4647;Derives_from=MI0017274

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016540	6_-_44221986_44222010	AGATGGTGCTGTGCTGAGGAAAGG G	43718	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016541	6_-_44221986_44222012	GAAGATGGTGCTGTGCTGAGGAAA GGG	43719	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016542	6_-_44221987_44222009	GATGGTGCTGTGCTGAGGAAAGG	43720	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016543	6_-_44221988_44222011	AAGATGGTGCTGTGCTGAGGAAAG	43721	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016544	6_-_44221988_44222012	GAAGATGGTGCTGTGCTGAGGAAA G	43722	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016545	6_-_44221989_44222009	GATGGTGCTGTGCTGAGGAAA	43723	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016546	6_-_44221989_44222011	AAGATGGTGCTGTGCTGAGGAAA	43724	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016547	6_-_44221989_44222012	GAAGATGGTGCTGTGCTGAGGAAA	43725	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016548	6_-_44221990_44222011	AAGATGGTGCTGTGCTCAGGAA	43726	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016549	6_-_44221990_44222013	TGAAGATGGTGCTGTGCTGAGGAA	43727	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016550	6_-_44221991_44222012	GAAGATGGTGCTGTGCTGAGGA	43728	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016551	6_-_44221992_44222012	GAAGATGGTGCTGTGCTGAGG	43729	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016552	6_-_44221993_44222012	GAAGATGGTGCTGTGCTGAG	43730	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016553	6_-_44221994_44222012	GAAGATGGTGCTGTGCTGA	43731	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016554	6_-_44221995_44222012	GAAGATGGTGCTGTGCTG	43732	hsa-miR-4647;Derives_from=MI0017274
NovelMiR_KnownLoci_ID0016555	6_-_44222003_44222018	GAGGGTGAAGATGGTG	43733	hsa-miR-4647;Derives_from=MI0017274

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016556	6_+_44403382_44403399	ACTGCATGGCATCGTCCC	43734	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016557	6_+_44403382_44403400	ACTGCATGGCATCGTCCCC	43735	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016558	6_+_44403384_44403406	TGCATGGCATCGTCCCCTGGTGG	43736	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016559	6_+_44403384_44403407	TGCATGGCATCGTCCCCTGGTGGC	43737	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016560	6_+_44403386_44403401	CATGGCATCGTCCCCT	43738	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016561	6_+_44403387_44403405	ATGGCATCGTCCCCTGGTG	43739	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016562	6_+_44403387_44403406	ATGGCATCGTCCCCTGGTGG	43740	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016563	6_+_44403387_44403407	ATGGCATCGTCCCCTGGTGGC	43741	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016564	6_+_44403387_44403409	ATGGCATCGTCCCCTGGTGGCTG	43742	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016565	6_+_44403387_44403410	ATGGCATCGTCCCCTGGTGGCTGT	43743	hsa-miR-4642;Derives_from=MI0017269
NovelMiR_KnownLoci_ID0016566	6_-_45165470_45165491	ATGCATTGTATTTTTAGGTCCC	43744	hsa-miR-586;Derives_from=MI0003594
NovelMiR_KnownLoci_ID0016567	6_-_45165471_45165491	ATGCATTGTATTTTTAGGTCC	43745	hsa-miR-586;Derives_from=MI0003594
NovelMiR_KnownLoci_ID0016568	6_-_45165472_45165492	TATGCATTGTATTTTTAGGTC	43746	hsa-miR-586;Derives_from=MI0003594
NovelMiR_KnownLoci_ID0016569	6_-_45165472_45165493	TTATGCATTGTATTTTTAGGTC	43747	hsa-miR-586;Derives_from=MI0003594
NovelMiR_KnownLoci_ID0016570	6_-_45165473_45165492	TATGCATTGTATTTTTAGGT	43748	hsa-miR-586;Derives_from=MI0003594
NovelMiR_KnownLoci_ID0016571	6_-_5148479_5148500	CCAAGTCTGCGTCATCCTCTCC	43749	hsa-miR-3691-3p;Derives_from=MI0016092

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016572	6_-_5148479_5148501	ACCAAGTCTGCGTCATCCTCTCC	43750	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016573	6_-_5148481_5148500	CCAAGTCTGCGTCATCCTCT	43751	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016574	6_-_5148481_5148501	ACCAAGTCTGCGTCATCCTCT	43752	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016575	6_-_5148481_5148502	GACCAAGTCTGCGTCATCCTCT	43753	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016576	6_-_5148481_5148503	GGACCAAGTCTGCGTCATCCTCT	43754	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016577	6_-_5148483_5148503	GGACCAAGTCTGCGTCATCCT	43755	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016578	6_-_5148484_5148503	GGACCAAGTCTGCGTCATCC	43756	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016579	6_-_5148484_5148506	TGGGGACCAAGTCTGCGTCATCC	43757	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016580	6_-_5148485_5148503	GGACCAAGTCTGCGTCATC	43758	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016581	6_-_5148485_5148506	TGGGGACCAAGTCTGCGTCATC	43759	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016582	6_-_5148486_5148506	TGGGGACCAAGTCTGCGTCAT	43760	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016583	6_-_5148487_5148503	GGACCAAGTCTGCGTCA	43761	hsa-miR-3691-3p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016584	6_-_5148516_5148539	GGATGATGGAGACTCGGTACCCAC	43762	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016585	6_-_5148516_5148540	TGGATGATGGAGACTCGGTACCCA C	43763	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016586	6_-_5148516_5148541	GTGGATGATGGAGACTCGGTACCC AC	43764	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016587	6_-_5148516_5148542	AGTGGATGATGGAGACTCGGTACC CAC	43765	hsa-miR-3691-5p;Derives_from=MI0016092

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016588	6_-_5148517_5148540	TGGATGATGGAGACTCGGTACCCA	43766	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016589	6_-_5148518_5148540	TGGATGATGGAGACTCGGTACCC	43767	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016590	6_-_5148518_5148543	TAGTGGATGATGGAGACTCGGTAC CC	43768	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016591	6_-_5148519_5148540	TGGATGATGGAGACTCGGTACC	43769	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016592	6_-_5148519_5148541	GTGGATGATGGAGACTCGGTACC	43770	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016593	6_-_5148519_5148542	AGTGGATGATGGAGACTCGGTACC	43771	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016594	6_-_5148519_5148543	TAGTGGATGATGGAGACTCGGTAC C	43772	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016595	6_-_5148520_5148540	TGGATGATGGAGACTCGGTAC	43773	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016596	6_-_5148520_5148541	GTGGATGATGGAGACTCGGTAC	43774	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016597	6_-_5148520_5148543	TAGTGGATGATGGAGACTCGGTAC	43775	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016598	6_-_5148521_5148540	TGGATGATGGAGACTCGGTA	43776	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016599	6_-_5148521_5148541	GTGGATGATGGAGACTCGGTA	43777	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016600	6_-_5148521_5148542	AGTGGATGATGGAGACTCGGTA	43778	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016601	6_-_5148521_5148543	TAGTGGATGATGGAGACTCGGTA	43779	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016602	6_-_5148522_5148541	GTGGATGATGGAGACTCGGT	43780	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016603	6_-_5148522_5148542	AGTGGATGATGGAGACTCGGT	43781	hsa-miR-3691-5p;Derives_from=MI0016092

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016604	6_-_5148522_5148543	TAGTGGATGATGGAGACTCGGT	43782	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016605	6_-_5148523_5148541	GTGGATGATGGAGACTCGG	43783	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016606	6_-_5148523_5148542	AGTGGATGATGGAGACTCGG	43784	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016607	6_-_5148523_5148543	TAGTGGATGATGGAGACTCGG	43785	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016608	6_-_5148524_5148543	TAGTGGATGATGGAGACTCG	43786	hsa-miR-3691-5p;Derives_from=MI0016092
NovelMiR_KnownLoci_ID0016609	6_+_52009199_52009217	TGGAATGTAAGGAAGTGTG	43787	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016610	6_+_52009199_52009218	TGGAATGTAAGGAAGTGTGT	43788	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016611	6_+_52009199_52009219	TGGAATGTAAGGAAGTGTGTG	43789	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016612	6_+_52009199_52009221	TGGAATGTAAGGAAGTGTGTGGT	43790	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016613	6_+_52009199_52009222	TGGAATGTAAGGAAGTGTGTGGTT	43791	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016614	6_+_52009199_52009224	TGGAATGTAAGGAAGTGTCTGGTTTC	43792	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016615	6_+_52009200_52009220	GGAATGTAAGGAAGTGTGTGG	43793	hsa-miR-206;Derives_from=MI0000490
NovelMiR_KnownLoci_ID0016616	6_+_52013783_52013806	AGGTTTGGTCCCCTTCAACCAGCT	43794	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016617	6_+_52013785_52013806	GTTTGGTCCCCTTCAACCAGCT	43795	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016618	6_+_52013786_52013808	TTTGGTCCCCTTCAACCAGCTAC	43796	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016619	6_+_52013786_52013809	TTTGGTCCCCTTCAACCAGCTACA	43797	hsa-miR-133b;Derives_from=MI0000822

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016620	6_+_52013786_52013810	TTTGGTCCCCTTCAACCAGCTACAG	43798	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016621	6_+_52013787_52013807	TTGGTCCCCTTCAACCAGCTA	43799	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016622	6_+_52013787_52013808	TTGGTCCCCTTCAACCAGCTAC	43800	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016623	6_+_52013787_52013809	TTGGTCCCCTTCAACCAGCTACA	43801	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016624	6_+_52013788_52013808	TGGTCCCCTTCAACCAGCTAC	43802	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016625	6_+_52013790_52013807	GTCCCCTTCAACCAGCTA	43803	hsa-miR-133b;Derives_from=MI0000822
NovelMiR_KnownLoci_ID0016626	6_+_53141794_53141810	TACATCACAGCCCAGCA	43804	hsa-miR-5685;Derives_from=MI0019287
NovelMiR_KnownLoci_ID0016627	6_+_53141798_53141816	TCACAGCCCAGCAGTTATC	43805	hsa-miR-5685;Derives_from=MI0019287
NovelMiR_KnownLoci_ID0016628	6_+_53141800_53141822	ACAGCCCAGCAGTTATCACGGGC	43806	hsa-miR-5685;Derives_from=MI0019287
NovelMiR_KnownLoci_ID0016629	6_+_53141801_53141824	CAGCCCAGCAGTTATCACGGGCCC	43807	hsa-miR-5685;Derives_from=MI0019287
NovelMiR_KnownLoci_ID0016630	6_+_53141802_53141821	AGCCCAGCAGTTATCACGGG	43808	hsa-miR-5685;Derives_from=MI0019287
NovelMiR_KnownLoci_ID0016631	6_+_57254978_57255001	CAAAGACTGCAATTACTTTTGCGC	43809	hsa-miR-548u;Derives_from=MI0014168
NovelMiR_KnownLoci_ID0016632	6_+_57254979_57255000	AAAGACTGCAATTACTTTTGCG	43810	hsa-miR-548u;Derives_from=MI0014168
NovelMiR_KnownLoci_ID0016633	6_+_57254979_57255001	AAAGACTGCAATTACTTTTGCGC	43811	hsa-miR-548u;Derives_from=MI0014168
NovelMiR_KnownLoci_ID0016634	6_+_57254980_57255000	AAGACTGCAATTACTTTTGCG	43812	hsa-miR-548u;Derives_from=MI0014168
NovelMiR_KnownLoci_ID0016635	6_+_57254980_57255001	AAGACTGCAATTACTTTTGCGC	43813	hsa-miR-548u;Derives_from=MI0014168

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016636	6_+_6169576_6169595	TACAGATGCAGATTCTCTGA	43814	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016637	6_+_6169576_6169596	TACAGATGCAGATTCTCTGAC	43815	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016638	6_+_6169576_6169597	TACAGATGCAGATTCTCTGACT	43816	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016639	6_+_6169576_6169598	TACAGATGCAGATTCTCTGACTT	43817	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016640	6_+_6169576_6169600	TACAGATGCAGATTCTCTGACTTCT	43818	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016641	6_+_6169576_6169602	TACAGATGCAGATTCTCTGACTTCTTA	43819	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016642	6_+_6169577_6169597	ACAGATGCAGATTCTCTGACT	43820	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016643	6_+_6169577_6169599	ACAGATGCAGATTCTCTGACTTC	43821	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016644	6_+_6169580_6169598	GATGCAGATTCTCTGACTT	43822	hsa-miR-5683;Derives_from=MI0019284
NovelMiR_KnownLoci_ID0016645	6_-_6169611_6169633	TCAAATGCAGATCCTGACTTCAC	43823	hsa-miR-7853-5p;Derives_from=MI0025523
NovelMiR_KnownLoci_ID0016646	6_-_6169612_6169633	TCAAATGCAGATCCTGACTTCA	43824	hsa-miR-7853-5p;Derives_from=MI0025523
NovelMiR_KnownLoci_ID0016647	6_-_6169614_6169633	TCAAATGCAGATCCTGACTT	43825	hsa-miR-7853-5p;Derives_from=MI0025523
NovelMiR_KnownLoci_ID0016648	6_-_6169615_6169633	TCAAATGCAGATCCTGACT	43826	hsa-miR-7853-5p;Derives_from=MI0025523
NovelMiR_KnownLoci_ID0016649	6_-_72086662_72086687	TGGGAGAAGGCTGTTTACTCTTTCTG	43827	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016650	6_-_72086662_72086688	CTGGGAGAAGGCTGTTTACTCTTTCTG	43828	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016651	6_-_72086663_72086688	CTGGGAGAAGGCTGTTTACTCTTTCT	43829	hsa-miR-30c-2-3p;Derives_from=MI0000254

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016652	6_-_72086664_72086687	TGGGAGAAGGCTGTTTACTCTTTC	43830	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016653	6_-_72086664_72086688	CTGGGAGAAGGCTGTTTACTCTTTC	43831	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016654	6_-_72086665_72086688	CTGGGAGAAGGCTGTTTACTCTTT	43832	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016655	6_-_72086666_72086687	TGGGAGAAGGCTGTTTACTCTT	43833	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016656	6_-_72086666_72086688	CTGGGAGAAGGCTGTTTACTCTT	43834	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016657	6_-_72086667_72086687	TGGGAGAAGGCTGTTTACTCT	43835	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016658	6_-_72086668_72086688	CTGGGAGAAGGCTGTTTACTC	43836	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016659	6_-_72086669_72086688	CTGGGAGAAGGCTGTTTACT	43837	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016660	6_-_72086670_72086688	CTGGGAGAAGGCTGTTTAC	43838	hsa-miR-30c-2-3p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016661	6_-_72086701_72086728	TGTAAACATCCTACACTCTCAGCTGTGG	43839	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016662	6_-_72086703_72086729	CTGTAAACATCCTACACTCTCAGCTGT	43840	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016663	6_-_72086704_72086728	TGTAAACATCCTACACTCTCAGCTG	43841	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016664	6_-_72086704_72086729	CTGTAAACATCCTACACTCTCAGCTG	43842	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016665	6_-_72086705_72086727	GTAAACATCCTACACTCTCAGCT	43843	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016666	6_-_72086705_72086728	TGTAAACATCCTACACTCTCAGCT	43844	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016667	6_-_72086705_72086729	CTGTAAACATCCTACACTCTCAGCT	43845	hsa-miR-30c-5p;Derives_from=MI0000254

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016668	6_-_72086705_72086730	ACTGTAAACATCCTACACTCTCAGCT	43846	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016669	6_-_72086706_72086729	CTGTAAACATCCTACACTCTCAGC	43847	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016670	6_-_72086706_72086730	ACTGTAAACATCCTACACTCTCAGC	43848	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016671	6_-_72086707_72086728	TGTAAACATCCTACACTCTCAG	43849	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016672	6_-_72086707_72086733	GATACTGTAAACATCCTACACTCTCAG	43850	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016673	6_-_72086708_72086728	TGTAAACATCCTACACTCTCA	43851	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016674	6_-_72086708_72086729	CTGTAAACATCCTACACTCTCA	43852	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016675	6_-_72086708_72086731	TACTGTAAACATCCTACACTCTCA	43853	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016676	6_-_72086711_72086729	CTGTAAACATCCTACACTC	43854	hsa-miR-30c-5p;Derives_from=MI0000254
NovelMiR_KnownLoci_ID0016677	6_-_72113254_72113278	CTTTCAGTCGGATGTTTGCAGCTGC	43855	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016678	6_-_72113255_72113277	TTTCAGTCGGATGTTTGCAGCTG	43856	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016679	6_-_72113255_72113278	CTTTCAGTCGGATGTTTGCAGCTG	43857	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016680	6_-_72113256_72113277	TTTCAGTCGGATGTTTGCAGCT	43858	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016681	6_-_72113256_72113278	CTTTCAGTCGGATGTTTGCAGCT	43859	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016682	6_-_72113257_72113277	TTTCAGTCGGATGTTTGCAGC	43860	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016683	6_-_72113258_72113278	CTTTCAGTCGGATGTTTGCAG	43861	hsa-miR-30a-3p;Derives_from=MI0000088

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016684	6_-_72113259_72113277	TTTCAGTCGGATGTTTGCA	43862	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016685	6_-_72113259_72113278	CTTTCAGTCGGATGTTTGCA	43863	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016686	6_-_72113260_72113278	CTTTCAGTCGGATGTTTGC	43864	hsa-miR-30a-3p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016687	6_-_72113292_72113319	TGTAAACATCCTCGACTGGAAGCT GTGA	43865	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016688	6_-_72113295_72113319	TGTAAACATCCTCGACTGGAAGCT G	43866	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016689	6_-_72113296_72113319	TGTAAACATCCTCGACTGGAAGCT	43867	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016690	6_-_72113297_72113319	TGTAAACATCCTCGACTGGAAGC	43868	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016691	6_-_72113299_72113319	TGTAAACATCCTCGACTGGAA	43869	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016692	6_-_72113300_72113319	TGTAAACATCCTCGACTGGA	43870	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016693	6_-_72113301_72113319	TGTAAACATCCTCGACTGG	43871	hsa-miR-30a-5p;Derives_from=MI0000088
NovelMiR_KnownLoci_ID0016694	6_+_91022471_91022489	TAAGGTTTGCATAGATGCA	43872	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016695	6_+_91022471_91022493	TAAGGTTTGGATAGATGCAATAA	43873	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016696	6_+_91022475_91022496	GTTTGGATAGATGCAATAAAGT	43874	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016697	6_+_91022476_91022495	TTTGGATAGATGCAATAAAG	43875	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016698	6_+_91022476_91022496	TTTGGATAGATGCAATAAAGT	43876	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016699	6_+_91022476_91022497	TTTGGATAGATGCAATAAAGTA	43877	hsa-miR-4464;Derives_from=MI0016812

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016700	6_+_91022476_91022498	TTTGGATAGATGCAATAAAGTAT	43878	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016701	6_+_91022477_91022496	TTGGATAGATGCAATAAAGT	43879	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016702	6_+_91022478_91022498	TGGATAGATGCAATAAAGTAT	43880	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016703	6_+_91022483_91022498	AGATGCAATAAAGTAT	43881	hsa-miR-4464;Derives_from=MI0016812
NovelMiR_KnownLoci_ID0016704	6_+_92231427_92231446	GACACATGACCATAAATGCT	43882	hsa-miR-4643;Derives_from=MI0017270
NovelMiR_KnownLoci_ID0016705	6_+_92231427_92231447	GACACATGACCATAAATGCTA	43883	hsa-miR-4643;Derives_from=MI0017270
NovelMiR_KnownLoci_ID0016706	6_+_92231435_92231453	ACCATAAATGCTAAAGCAC	43884	hsa-miR-4643;Derives_from=MI0017270
NovelMiR_KnownLoci_ID0016707	6_+_92231435_92231454	ACCATAAATGCTAAAGCACA	43885	hsa-miR-4643;Derives_from=MI0017270
NovelMiR_KnownLoci_ID0016708	6_+_92231437_92231454	CATAAATGCTAAAGCACA	43886	hsa-miR-4643;Derives_from=MI0017270
NovelMiR_KnownLoci_ID0016709	6_+_98472462_98472480	ATTTGTGCTTGGCTCTGTC	43887	hsa-miR-2113;Derives_from=MI0003939
NovelMiR_KnownLoci_ID0016710	6_+_98472462_98472481	ATTTGTGCTTGGCTCTGTCA	43888	hsa-miR-2113;Derives_from=MI0003939
NovelMiR_KnownLoci_ID0016711	6_+_98472462_98472483	ATTTGTGCTTGGCTCTGTCACA	43889	hsa-miR-2113;Derives_from=MI0003939
NovelMiR_KnownLoci_ID0016712	6_+_98472464_98472485	TTGTGCTTGGCTCTGTCACATG	43890	hsa-miR-2113;Derives_from=MI0003939
NovelMiR_KnownLoci_ID0016713	6_+_98472465_98472486	TGTGCTTGGCTCTGTCACATGC	43891	hsa-miR-2113;Derives_from=MI0003939
NovelMiR_KnownLoci_ID0016714	6_+_99572500_99572527	AAAGGTAATTGCAGTTTTTCCCAT TTAA	43892	hsa-miR-548ai;Derives_from=MI0016813

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016715	7_+_100465657_100465672	CGAGTCTGAGGGACCC	43893	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016716	7_+_100465660_100465680	GTCTGAGGGACCCAGGACAGG	43894	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016717	7_+_100465660_100465681	GTCTGAGGGACCCAGGACAGGA	43895	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016718	7_+_100465660_100465682	GTCTGAGGGACCCAGGACAGGAG	43896	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016719	7_+_100465661_100465682	TCTGAGGGACCCAGGACAGGAG	43897	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016720	7_+_100465661_100465683	TCTGAGGGACCCAGGACAGGAGA	43898	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016721	7_+_100465661_100465687	TCTGAGGGACCCAGGACAGGAGAAGGC	43899	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016722	7_+_100465662_100465681	CTGAGGGACCCAGGACAGGA	43900	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016723	7_+_100465662_100465682	CTGAGGGACCCAGGACAGGAG	43901	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016724	7_+_100465662_100465683	CTGAGGGACCCAGGACAGGAGA	43902	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016725	7_+_100465663_100465682	TGAGGGACCCAGGACAGGAG	43903	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016726	7_+_100465663_100465684	TGAGGGACCCAGGACAGGAGAA	43904	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016727	7_+_100465663_100465685	TGAGGGACCCAGGACAGGAGAAG	43905	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016728	7_+_100465664_100465684	GAGGGACCCAGGACAGGAGAA	43906	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016729	7_+_100465665_100465683	AGGGACCCAGGACAGGAGA	43907	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016730	7_+_100465665_100465684	AGGGACCCAGGACAGGAGAA	43908	hsa-miR-6875-5p;Derives_from=MI0022722

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016731	7_+_100465665_100465685	AGGGACCCAGGACAGGAGAAG	43909	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016732	7_+_100465665_100465686	AGGGACCCAGGACAGGAGAAGG	43910	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016733	7_+_100465666_100465687	GGGACCCAGGACAGGAGAAGGC	43911	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016734	7_+_100465666_100465688	GGGACCCAGGACAGGAGAAGGCC	43912	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016735	7_+_100465666_100465689	GGGACCCAGGACAGGAGAAGGCCT	43913	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016736	7_+_100465667_100465689	GGACCCAGGACAGGAGAAGGCCT	43914	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016737	7_+_100465668_100465687	GACCCAGGACAGGAGAAGGC	43915	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016738	7_+_100465668_100465688	GACCCAGGACAGGAGAAGGCC	43916	hsa-miR-6875-5p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016739	7_+_100465702_100465721	ATTCTTCCTGCCCTGGCTCC	43917	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016740	7_+_100465702_100465722	ATTCTTCCTGCCCTGGCTCCA	43918	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016741	7_+_100465702_100465724	ATTCTTCCTGCCCTGGCTCCATC	43919	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016742	7_+_100465702_100465725	ATTCTTCCTGCCCTGGCTCCATCC	43920	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016743	7_+_100465703_100465725	TTCTTCCTGCCCTGGCTCCATCC	43921	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016744	7_+_100465704_100465723	TCTTCCTGCCCTGGCTCCAT	43922	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016745	7_+_100465705_100465726	CTTCCTGCCCTGGCTCCATCCT	43923	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016746	7_+_100465705_100465728	CTTCCTGCCCTGGCTCCATCCTCA	43924	hsa-miR-6875-3p;Derives_from=MI0022722

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016747	7_+_100465705_100465729	CTTCCTGCCCTGGCTCCATCCTCAG	43925	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016748	7_+_100465706_100465724	TTCCTGCCCTGGCTCCATC	43926	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016749	7_+_100465706_100465726	TTCCTGCCCTGGCTCCATCCT	43927	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016750	7_+_100465706_100465729	TTCCTGCCCTGGCTCCATCCTCAG	43928	hsa-miR-6875-3p;Derives_from=MI0022722
NovelMiR_KnownLoci_ID0016751	7_+_100802765_100802784	TCTGAGCAAGGCTTAACACC	43929	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016752	7_+_100802765_100802785	TCTGAGCAAGGCTTAACACCA	43930	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016753	7_+_100802765_100802786	TCTGAGCAAGGCTTAACACCAA	43931	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016754	7_+_100802765_100802787	TCTGAGCAAGGCTTAACACCAAA	43932	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016755	7_+_100802767_100802787	TGAGCAAGGCTTAACACCAAA	43933	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016756	7_+_100802767_100802788	TGAGCAAGGCTTAACACCAAAG	43934	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016757	7_+_100802767_100802789	TGAGCAAGGCTTAACACCAAAGG	43935	hsa-miR-4653-5p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016758	7_+_100802804_100802823	CTGGAGTTAAGGGTTGCTTG	43936	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016759	7_+_100802805_100802825	TGGAGTTAAGGGTTGCTTGGA	43937	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016760	7_+_100802805_100802826	TGGAGTTAAGGGTTGCTTGGAG	43938	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016761	7_+_100802805_100802830	TGGAGTTAAGGGTTGCTTGGAGAATT	43939	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016762	7_+_100802806_100802827	GGAGTTAAGGGTTGCTTGGAGA	43940	hsa-miR-4653-3p;Derives_from=MI0017281

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016763	7_+_100802806_100802829	GGAGTTAAGGGTTGCTTGGAGAAT	43941	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016764	7_+_100802806_100802830	GGAGTTAAGGGTTGCTTGGAGAAT	43942	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016765	7_+_100802807_100802827	GAGTTAAGGGTTGCTTGGAGA	43943	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016766	7_+_100802807_100802828	GAGTTAAGGGTTGCTTGGAGAA	43944	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016767	7_+_100802807_100802829	GAGTTAAGGGTTGCTTGGAGAAT	43945	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016768	7_+_100802817_100802833	TTGCTTGGAGAATTGGA	43946	hsa-miR-4653-3p;Derives_from=MI0017281
NovelMiR_KnownLoci_ID0016769	7_+_101936373_101936393	GCTGGGGCGGCGAGTCCGACT	43947	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016770	7_+_101936378_101936394	GGCGGCGAGTCCGACTC	43948	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016771	7_+_101936378_101936397	GGCGGCGAGTCCGACTCATC	43949	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016772	7_+_101936378_101936398	GGCGGCGAGTCCGACTCATCA	43950	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016773	7_+_101936378_101936399	GCGGCGAGTCCGACTCATCAA	43951	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016774	7_+_101936378_101936401	GGCGGCGAGTCCGACTCATCAATA	43952	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016775	7_+_101936378_101936402	GGCGGCGAGTCCGACTCATCAATA T	43953	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016776	7_+_101936379_101936399	GCGGCGAGTCCGACTCATCAA	43954	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016777	7_+_101936379_101936401	GCGGCGAGTCCGACTCATCAATA	43955	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016778	7_+_101936380_101936401	CGGCGAGTCCGACTCATCAATA	43956	hsa-miR-4285;Derives_from=MI0015891

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016779	7_+_101936381_101936401	GGCGAGTCCGACTCATCAATA	43957	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016780	7_+_101936381_101936402	GGCGAGTCCGACTCATCAATAT	43958	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016781	7_+_101936383_101936401	CGAGTCCGACTCATCAATA	43959	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016782	7_+_101936385_101936402	AGTCCGACTCATCAATAT	43960	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016783	7_+_101936386_101936402	GTCCGACTCATCAATAT	43961	hsa-miR-4285;Derives_from=MI0015891
NovelMiR_KnownLoci_ID0016784	7_-_102046194_102046216	CCAAAACTGCAGTTACTTTTGCA	43962	hsa-miR-548o-3p;Derives_from=MI0006402
NovelMiR_KnownLoci_ID0016785	7_+_102106198_102106214	CCCGGGGCAGATTGGTG	43963	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016786	7_+_102106198_102106215	CCCGGGGCAGATTGGTGT	43964	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016787	7_+_102106198_102106216	CCCGGGGCAGATTGGTGTA	43965	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016788	7_+_102106198_102106217	CCCGGGGCAGATTGGTGTAG	43966	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016789	7_+_102106198_102106218	CCCGGGGCAGATTGGTGTAGG	43967	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016790	7_+_102106198_102106219	CCCGGGGCAGATTGGTGTAGGG	43968	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016791	7_+_102106198_102106220	CCCGGGGCAGATTGGTGTAGGGT	43969	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016792	7_+_102106198_102106221	CCCGGGGCAGATTGGTGTAGGGTG	43970	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016793	7_+_102106198_102106222	CCCGGGGCAGATTGGTGTAGGGTGC	43971	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016794	7_+_102106198_102106224	CCCGGGGCAGATTGGTGTAGGGTGCAA	43972	hsa-miR-5090;Derives_from=MI0017979

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016795	7_+_102106199_102106217	CCGGGGCAGATTGGTGTAG	43973	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016796	7_+_102106199_102106218	CCGGGGCAGATTGGTGTAGG	43974	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016797	7_+_102106199_102106219	CCGGGGCAGATTGGTGTAGGG	43975	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016798	7_+_102106199_102106220	CCGGGGCAGATTGGTGTAGGGT	43976	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016799	7_+_102106199_102106222	CCGGGGCAGATTGGTGTAGGGTGC	43977	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016800	7_+_102106200_102106222	CGGGGCAGATTGGTGTAGGGTGC	43978	hsa-miR-5090;Derives_from=MI0017979
NovelMiR_KnownLoci_ID0016801	7_+_102111919_102111935	TGGCGGCGGTAGTTATG	43979	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016802	7_+_102111919_102111938	TGGCGGCGGTAGTTATGGGC	43980	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016803	7_+_102111919_102111939	TGGCGGCGGTAGTTATGGGCT	43981	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016804	7_+_102111919_102111941	TGGCGGCGGTAGTTATGGGCTTC	43982	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016805	7_+_102111919_102111942	TGGCGGCGGTAGTTATGGGCTTCT	43983	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016806	7_+_102111919_102111943	TGGCGGCGGTAGTTATGGGCTTCT C	43984	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016807	7_+_102111919_102111944	TGGCGGCGGTAGTTATGGGCTTCT CT	43985	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016808	7_+_102111919_102111945	TGGCGGCGGTAGTTATGGGCTTCT CTT	43986	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016809	7_+_102111920_102111936	GGCGGCGGTAGTTATGG	43987	hsa-miR-4467;Derives_from=MI0016818
NovelMiR_KnownLoci_ID0016810	7_-_1062589_1062613	TGAGCGCCTCGACGACAGAGCCGG C	43988	hsa-miR-339-3p;Derives_from=MI0000815

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016811	7_-_1062591_1062611	AGCGCCTCGACGACAGAGCCG	43989	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016812	7_-_1062592_1062613	TGAGCGCCTCGACGACAGAGCC	43990	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016813	7_-_1062593_1062613	TGAGCGCCTCGACGACAGAGC	43991	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016814	7_-_1062594_1062613	TGAGCGCCTCGACGACAGAG	43992	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016815	7_-_1062595_1062613	TGAGCGCCTCGACGACAGA	43993	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016816	7_-_1062597_1062613	TGAGCGCCTCGACGACA	43994	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016817	7_-_1062598_1062613	TGAGCGCCTCGACGAC	43995	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016818	7_-_1062621_1062648	TCCCTGTCCTCCAGGAGCTCACGTGTGC	43996	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016819	7_-_1062623_1062648	TCCCTGTCCTCCAGGAGCTCACGTGT	43997	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016820	7_-_1062624_1062648	TCCCTGTCCTCCAGGAGCTCACGTG	43998	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016821	7_-_1062625_1062647	CCCTGTCCTCCAGGAGCTCACGT	43999	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016822	7_-_1062625_1062648	TCCCTGTCCTCCAGGAGCTCACGT	44000	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016823	7_-_1062626_1062646	CCTGTCCTCCAGGAGCTCACG	44001	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016824	7_-_1062626_1062647	CCCTGTCCTCCAGGAGCTCACG	44002	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016825	7_-_1062629_1062650	TCTCCCTGTCCTCCAGGAGCTC	44003	hsa-miR-339-5p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0016826	7_+_116660279_116660298	TGCTACAGCAGGGCTGGGGA	44004	hsa-miR-6132;Derives_from=MI0021277

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016827	7_+_116660283_116660303	ACAGCAGGGCTGGGGATTGCA	44005	hsa-miR-6132;Derives_from=MI0021277
NovelMiR_KnownLoci_ID0016828	7_+_116660283_116660304	ACAGCAGGGCTGGGGATTGCAG	44006	hsa-miR-6132;Derives_from=MI0021277
NovelMiR_KnownLoci_ID0016829	7_+_116660283_116660305	ACAGCAGGGCTGGGGATTGCAGT	44007	hsa-miR-6132;Derives_from=MI0021277
NovelMiR_KnownLoci_ID0016830	7_+_116660285_116660305	AGCAGGGCTGGGGATTGCAGT	44008	hsa-miR-6132;Derives_from=MI0021277
NovelMiR_KnownLoci_ID0016831	7_+_116660285_116660307	AGCAGGGCTGGGGATTGCAGTAT	44009	hsa-miR-6132;Derives_from=MI0021277
NovelMiR_KnownLoci_ID0016832	7_+_116660286_116660309	GCAGGGCTGGGGATTGCAGTATCC	44010	hsa-miR-6132;Derives_from=MI0021277
NovelMiR_KnownLoci_ID0016833	7_-_126698198_126698223	TTGTGTCAATATGCGATGATGTGT	44011	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016834	7_-_126698200_126698223	TTGTGTCAATATGCGATGATGTGT	44012	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016835	7_-_126698201_126698223	TTGTGTCAATATGCGATGATGTG	44013	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016836	7_-_126698201_126698224	ATTGTGTCAATATGCGATGATGTG	44014	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016837	7_-_126698202_126698222	TGTGTCAATATGCGATGATGT	44015	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016838	7_-_126698202_126698224	ATTGTGTCAATATGCCATGATGT	44016	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016839	7_-_126698203_126698223	TTGTGTCAATATGCGATGATG	44017	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016840	7_-_126698203_126698224	ATTGTGTCAATATGCGATGATG	44018	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016841	7_-_126698204_126698223	TTGTGTCAATATGCGATGAT	44019	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016842	7_-_126698204_126698224	ATTGTGTCAATATGCGATGAT	44020	hsa-miR-592;Derives_from=MI0003604

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016843	7_-_126698205_126698223	TTGTGTCAATATGCGATGA	44021	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016844	7_-_126698206_126698223	TTGTGTCAATATGCGATG	44022	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016845	7_-_126698206_126698224	ATTGTGTCAATATGCGATG	44023	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016846	7_-_126698207_126698223	TTGTGTCAATATGCGAT	44024	hsa-miR-592;Derives_from=MI0003604
NovelMiR_KnownLoci_ID0016847	7_+_127721934_127721952	CAGCCAGGCATTGCTCAGC	44025	hsa-miR-593-5p;Derives_from=MI0003605
NovelMiR_KnownLoci_ID0016848	7_+_127721936_127721952	GCCAGGCATTGCTCAGC	44026	hsa-miR-593-5p;Derives_from=MI0003605
NovelMiR_KnownLoci_ID0016849	7_+_127847929_127847953	CTTTTTGCGGTCTGGGCTTGCTGT	44027	hsa-miR-129-5p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016850	7_+_127847929_127847954	CTTTTTGCGGTCTGGGCTTGCTGTT	44028	hsa-miR-129-5p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016851	7_+_127847929_127847955	CTTTTTGCGGTCTGGGCTTGCTGTTCC	44029	hsa-miR-129-5p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016852	7_+_127847930_127847954	TTTTTGCGGTCTGGGCTTGCTGTTC	44030	hsa-miR-129-5p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016853	7_+_127847971_127847992	GGAAGCCCTTACCCCAAAAAGT	44031	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016854	7_+_127847971_127847993	GGAAGCCCTTACCCCAAAAAGTA	44032	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016855	7_+_127847971_127847995	GGAAGCCCTTACCCCAAAAAGTATC	44033	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016856	7_+_127847972_127847992	GAAGCCCTTACCCCAAAAAGT	44034	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016857	7_+_127847972_127847993	GAAGCCCTTACCCCAAAAAGTA	44035	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016858	7_+_127847972_127847994	GAAGCCCTTACCCCAAAAAGTAT	44036	hsa-miR-129-1-3p;Derives_from=MI0000252

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016859	7_+_127847972_127847995	GAAGCCCTTACCCCAAAAAGTATC	44037	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016860	7_+_127847973_127847992	AAGCCCTTACCCCAAAAAGT	44038	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016861	7_+_127847973_127847993	AAGCCCTTACCCCAAAAAGTA	44039	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016862	7_+_127847973_127847995	AAGCCCTTACCCCAAAAAGTATC	44040	hsa-miR-129-1-3p;Derives_from=MI0000252
NovelMiR_KnownLoci_ID0016863	7_-_129410244_129410266	TGGTTCTAGACTTGCCAACTATG	44041	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016864	7_-_129410244_129410267	GTGGTTCTAGACTTGCCAACTATG	44042	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016865	7_-_129410244_129410268	GGTGGTTCTAGACTTGCCAACTATG	44043	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016866	7_-_129410245_129410266	TGGTTCTAGACTTGCCAACTAT	44044	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016867	7_-_129410245_129410268	GGTGGTTCTAGACTTGCCAACTAT	44045	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016868	7_-_129410246_129410267	GTGGTTCTAGACTTGCCAACTA	44046	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016869	7_-_129410246_129410268	GGTGGTTCTAGACTTGCCAACTA	44047	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016870	7_-_129410246_129410269	CGGTGGTTCTAGACTTGCCAACTA	44048	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016871	7_-_129410247_129410265	GCTTCTAGACTTGCCAACT	44049	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016872	7_-_129410247_129410266	TGGTTCTAGACTTGCCAACT	44050	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016873	7_-_129410247_129410267	GTGGTTCTAGACTTGCCAACT	44051	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016874	7_-_129410247_129410268	GGTGGTTCTAGACTTGCCAACT	44052	hsa-miR-182-3p;Derives_from=MI0000272

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016875	7_-_129410247_129410270	CCGGTGGTTCTAGACTTGCCAACT	44053	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016876	7_-_129410248_129410266	TGGTTCTAGACTTGCCAAC	44054	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016877	7_-_129410248_129410268	GGTGGTTCTAGACTTGCCAAC	44055	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016878	7_-_129410249_129410267	GTGGTTCTAGACTTGCCAA	44056	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016879	7_-_129410249_129410268	GGTGGTTCTAGACTTGCCAA	44057	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016880	7_-_129410250_129410268	GGTGGTTCTAGACTTGCCA	44058	hsa-miR-182-3p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016881	7_-_129410284_129410310	TTTGGCAATGGTAGAACTCACACT GGT	44059	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016882	7_-_129410285_129410310	TTTGGCAATGGTAGAACTCACACT GG	44060	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016883	7_-_129410286_129410310	TTTGGCAATGGTAGAACTCACACT G	44061	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016884	7_-_129410288_129410310	TTTGGCAATGGTAGAACTCACAC	44062	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016885	7_-_129410289_129410310	TTTGGCAATGGTAGAACTCACA	44063	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016886	7_-_129410291_129410310	TTTGGCAATGGTAGAACTCA	44064	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016887	7_-_129410293_129410310	TTTGGCAATGGTAGAACT	44065	hsa-miR-182-5p;Derives_from=MI0000272
NovelMiR_KnownLoci_ID0016888	7_-_129414534_129414558	AATCATGTGCAGTGCCAATATGGG A	44066	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016889	7_-_129414537_129414557	ATCATGTGCAGTGCCAATATG	44067	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016890	7_-_129414537_129414559	CAATCATGTGCAGTGCCAATATG	44068	hsa-miR-96-3p;Derives_from=MI0000098

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016891	7_-_129414538_129414558	AATCATGTGCAGTGCCAATAT	44069	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016892	7_-_129414538_129414559	CAATCATGTGCAGTGCCAATAT	44070	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016893	7_-_129414539_129414558	AATCATGTGCAGTGCCAATA	44071	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016894	7_-_129414539_129414559	CAATCATGTGCAGTGCCAATA	44072	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016895	7_-_129414540_129414558	AATCATGTGCAGTGCCAAT	44073	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016896	7_-_129414540_129414559	CAATCATGTGCAGTGCCAAT	44074	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016897	7_-_129414543_129414559	CAATCATGTGCAGTGCC	44075	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016898	7_-_129414544_129414564	CTGAGCAATCATGTGCAGTGC	44076	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016899	7_-_129414545_129414564	CTGAGCAATCATGTGCAGTG	44077	hsa-miR-96-3p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016900	7_-_129414574_129414601	TTTGGCACTAGCACATTTTTGCTTGTGT	44078	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016901	7_-_129414577_129414601	TTTGGCACTAGCACATTTTTGCTTG	44079	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016902	7_-_129414578_129414601	TTTGGCACTAGCACATTTTTGCTT	44080	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016903	7_-_129414579_129414600	TTGGCACTAGCACATTTTTGCT	44081	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016904	7_-_129414580_129414601	TTTGGCACTAGCACATTTTTGC	44082	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016905	7_-_129414581_129414601	TTTGGCACTAGCACATTTTTG	44083	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016906	7_-_129414582_129414601	TTTGGCACTAGCACATTTTT	44084	hsa-miR-96-5p;Derives_from=MI0000098

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016907	7_-_129414585_129414601	TTTGGCACTAGCACATT	44085	hsa-miR-96-5p;Derives_from=MI0000098
NovelMiR_KnownLoci_ID0016908	7_-_129414766_129414788	TGAATTACCGAAGGGCCATAAAC	44086	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016909	7_-_129414766_129414789	GTGAATTACCGAAGGGCCATAAAC	44087	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016910	7_-_129414767_129414788	TGAATTACCGAAGGGCCATAAA	44088	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016911	7_-_129414767_129414789	GTGAATTACCGAAGGGCCATAAA	44089	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016912	7_-_129414768_129414788	TGAATTACCGAAGGGCCATAA	44090	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016913	7_-_129414768_129414790	AGTGAATTACCGAAGGGCCATAA	44091	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016914	7_-_129414769_129414788	TGAATTACCGAAGGGCCATA	44092	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016915	7_-_129414769_129414789	GTGAATTACCGAAGGGCCATA	44093	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016916	7_-_129414770_129414788	TGAATTACCGAAGGGCCAT	44094	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016917	7_-_129414772_129414788	TGAATTACCGAAGGGCC	44095	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016918	7_-_129414773_129414788	TGAATTACCGAAGGGC	44096	hsa-miR-183-3p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016919	7_-_129414804_129414828	TATGGCACTGGTAGAATTCACTGTG	44097	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016920	7_-_129414805_129414827	ATGGCACTGGTAGAATTCACTGT	44098	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016921	7_-_129414805_129414828	TATGGCACTGGTAGAATTCACTGT	44099	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016922	7_-_129414806_129414827	ATGGCACTGGTAGAATTCACTG	44100	hsa-miR-183-5p;Derives_from=MI0000273

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016923	7_-_129414806_129414828	TATGGCACTGGTAGAATTCACTG	44101	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016924	7_-_129414807_129414827	ATGGCACTGGTAGAATTCACT	44102	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016925	7_-_129414809_129414827	ATGGCACTGGTAGAATTCA	44103	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016926	7_-_129414809_129414828	TATGGCACTGGTAGAATTCA	44104	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016927	7_-_129414810_129414828	TATGGCACTGGTAGAATTC	44105	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016928	7_-_129414812_129414828	TATGGCACTGGTAGAAT	44106	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016929	7_-_129414813_129414828	TATGGCACTGGTAGAA	44107	hsa-miR-183-5p;Derives_from=MI0000273
NovelMiR_KnownLoci_ID0016930	7_+_130135967_130135982	TCAAGAGCAATAACGA	44108	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016931	7_+_130135967_130135984	TCAAGAGCAATAACGAAA	44109	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016932	7_+_130135967_130135986	TCAAGAGCAATAACGAAAAA	44110	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016933	7_+_130135967_130135987	TCAAGAGCAATAACGAAAAAT	44111	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016934	7_+_130135967_130135988	TCAAGAGCAATAACGAAAAATG	44112	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016935	7_+_130135967_130135990	TCAAGAGCAATAACGAAAAATGTT	44113	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016936	7_+_130135967_130135991	TCAAGAGCAATAACGAAAAATGTTT	44114	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016937	7_+_130135967_130135993	TCAAGAGCAATAACGAAAAATGTTTGT	44115	hsa-miR-335-5p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016938	7_+_130136002_130136020	GTTTTTCATTATTGCTCCT	44116	hsa-miR-335-3p;Derives_from=MI0000816

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016939	7_+_130136002_130136022	GTTTTTCATTATTGCTCCTGA	44117	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016940	7_+_130136002_130136023	GTTTTTCATTATTGCTCCTGAC	44118	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016941	7_+_130136002_130136024	GTTTTTCATTATTGCTCCTGACC	44119	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016942	7_+_130136002_130136025	GTTTTTCATTATTGCTCCTGACCT	44120	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016943	7_+_130136002_130136026	GTTTTTCATTATTGCTCCTGACCT C	44121	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016944	7_+_130136002_130136027	GTTTTTCATTATTGCTCCTGACCT CC	44122	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016945	7_+_130136002_130136029	GTTTTTCATTATTGCTCCTGACCT CCTC	44123	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016946	7_+_130136003_130136022	TTTTTCATTATTGCTCCTGA	44124	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016947	7_+_130136003_130136023	TTTTTCATTATTGCTCCTGAC	44125	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016948	7_+_130136003_130136025	TTTTTCATTATTGCTCCTGACCT	44126	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016949	7_+_130136003_130136026	TTTTTCATTATTGCTCCTGACCTC	44127	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016950	7_+_130136003_130136027	TTTTTCATTATTGCTCCTGACCTC C	44128	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016951	7_+_130136003_130136029	TTTTTCATTATTGCTCCTGACCTC CTC	44129	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016952	7_+_130136005_130136025	TTTCATTATTGCTCCTGACCT	44130	hsa-miR-335-3p;Derives_from=MI0000816
NovelMiR_KnownLoci_ID0016953	7_-_130561502_130561525	CACCATCTGAAATCGGTTATAATG	44131	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016954	7_-_130561505_130561525	CACCATCTGAAATCGGTTATA	44132	hsa-miR-29a-3p;Derives_from=MI0000087

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016955	7_-_130561506_130561525	CACCATCTGAAATCGGTTAT	44133	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016956	7_-_130561506_130561528	TAGCACCATCTGAAATCGGTTAT	44134	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016957	7_-_130561507_130561525	CACCATCTGAAATCGGTTA	44135	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016958	7_-_130561507_130561529	CTAGCACCATCTGAAATCGGTTA	44136	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016959	7_-_130561508_130561525	CACCATCTGAAATCGGTT	44137	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016960	7_-_130561508_130561528	TAGCACCATCTGAAATCGGTT	44138	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016961	7_-_130561508_130561529	CTAGCACCATCTGAAATCGGTT	44139	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016962	7_-_130561509_130561525	CACCATCTGAAATCGGT	44140	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016963	7_-_130561509_130561528	TAGCACCATCTGAAATCGGT	44141	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016964	7_-_130561510_130561528	TAGCACCATCTGAAATCGG	44142	hsa-miR-29a-3p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016965	7_-_130561541_130561564	TGATTTCTTTGGTGTTCAGAGTC	44143	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016966	7_-_130561541_130561566	ACTGATTTCTTTGGTGTTCAGAGTC	44144	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016967	7_-_130561542_130561566	ACTGATTTCTTTGGTGTTCAGAGT	44145	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016968	7_-_130561543_130561566	ACTGATTTCTTTGGTGTTCAGAG	44146	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016969	7_-_130561544_130561566	ACTGATTTCTTTGGTGTTCAGA	44147	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016970	7_-_130561546_130561566	ACTGATTTCTTTGGTGTTCA	44148	hsa-miR-29a-5p;Derives_from=MI0000087

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016971	7_-_130561547_130561566	ACTGATTTCTTTTGGTGTTC	44149	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016972	7_-_130561548_130561566	ACTGATTTCTTTTGGTGTT	44150	hsa-miR-29a-5p;Derives_from=MI0000087
NovelMiR_KnownLoci_ID0016973	7_-_130562220_130562245	CACCATTTGAAATCAGTGTTCTTG GG	44151	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016974	7_-_130562221_130562248	TAGCACCATTTGAAATCAGTGTTC TTGG	44152	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016975	7_-_130562222_130562248	TAGCACCATTTGAAATCAGTGTTC TTG	44153	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016976	7_-_130562223_130562245	CACCATTTGAAATCAGTGTTCTT	44154	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016977	7_-_130562223_130562248	TAGCACCATTTGAAATCAGTGTTC TT	44155	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016978	7_-_130562224_130562245	CACCATTTGAAATCAGTGTTCT	44156	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016979	7_-_130562224_130562248	TAGCACCATTTGAAATCAGTGTTC T	44157	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016980	7_-_130562225_130562245	CACCATTTGAAATCAGTGTTC	44158	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016981	7_-_130562225_130562247	AGCACCATTTGAAATCAGTGTTC	44159	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016982	7_-_130562225_130562248	TAGCACCATTTGAAATCAGTGTTC	44160	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016983	7_-_130562225_130562249	CTAGCACCATTTGAAATCAGTGTT C	44161	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016984	7_-_130562226_130562251	GTCTAGCACCATTTGAAATCAGTG TT	44162	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016985	7_-_130562226_130562252	TGTCTAGCACCATTTGAAATCAGT GTT	44163	hsa-miR-29b-3p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016986	7_-_130562227_130562248	TAGCACCATTTGAAATCAGTGT	44164	hsa-miR-29b-3p;Derives_from=MI0000105

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0016987	7_-_130562263_130562289	GCTGGTTTCATATGGTGGTTTAGATTT	44165	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016988	7_-_130562264_130562288	CTGGTTTCATATGGTGGTTTAGATT	44166	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016989	7_-_130562264_130562289	GCTGGTTTCATATGGTGGTTTAGATT	44167	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016990	7_-_130562265_130562289	GCTGGTTTCATATGGTGGTTTAGAT	44168	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016991	7_-_130562266_130562288	CTGGTTTCATATGGTGGTTTAGA	44169	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016992	7_-_130562267_130562289	GCTGGTTTCATATGGTGGTTTAG	44170	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016993	7_-_130562268_130562289	GCTGGTTTCATATGGTGGTTTA	44171	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016994	7_-_130562269_130562289	GCTGGTTTCATATGGTGGTTT	44172	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016995	7_-_130562270_130562289	GCTGGTTTCATATGGTGGTT	44173	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016996	7_-_130562272_130562289	GCTGGTTTCATATGGTGG	44174	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016997	7_-_130562273_130562289	GCTGGTTTCATATGGTG	44175	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016998	7_-_130562274_130562289	GCTGGTTTCATATGGT	44176	hsa-miR-29b-1-5p;Derives_from=MI0000105
NovelMiR_KnownLoci_ID0016999	7_-_132719626_132719644	TCCAGCGACTGGACAAGCT	44177	hsa-miR-3654;Derives_from=MI0016054
NovelMiR_KnownLoci_ID0017000	7_-_132719627_132719644	TCCAGCGACTGGACAAGC	44178	hsa-miR-3654;Derives_from=MI0016054
NovelMiR_KnownLoci_ID0017001	7_+_132975704_132975724	GTGAGGGAGGAGGTTGGGTAT	44179	hsa-miR-6133;Derives_from=MI0021278
NovelMiR_KnownLoci_ID0017002	7_+_132975704_132975725	GTGAGGGAGGAGGTTGGGTATT	44180	hsa-miR-6133;Derives_from=MI0021278

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017003	7_+_132975705_132975725	TGAGGGAGGAGGTTGGGTATT	44181	hsa-miR-6133;Derives_from=MI0021278
NovelMiR_KnownLoci_ID0017004	7_-_134891755_134891778	TCCACTGCCACTACCTAATTTCTC	44182	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017005	7_-_134891755_134891779	TTCCACTGCCACTACCTAATTTCTC	44183	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017006	7_-_134891757_134891781	GTTTCCACTGCCACTACCTAATTTC	44184	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017007	7_-_134891758_134891780	TTTCCACTGCCACTACCTAATTT	44185	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017008	7_-_134891759_134891780	TTTCCACTGCCACTACCTAATT	44186	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017009	7_-_134891760_134891780	TTTCCACTGCCACTACCTAAT	44187	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017010	7_-_134891760_134891781	GTTTCCACTGCCACTACCTAAT	44188	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017011	7_-_134891761_134891781	GTTTCCACTGCCACTACCTAA	44189	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017012	7_-_134891761_134891782	GGTTTCCACTGCCACTACCTAA	44190	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017013	7_-_134891762_134891780	TTTCCACTGCCACTACCTA	44191	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017014	7_-_134891763_134891781	GTTTCCACTGCCACTACCT	44192	hsa-miR-6509-3p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017015	7_-_134891790_134891816	ATTAGGTAGTGGCAGTGGAACACT ATA	44193	hsa-miR-6509-5p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017016	7_-_134891793_134891814	TAGGTAGTGGCAGTGGAACACT	44194	hsa-miR-6509-5p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017017	7_-_134891793_134891816	ATTAGGTAGTGGCAGTGGAACACT	44195	hsa-miR-6509-5p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017018	7_-_134891794_134891815	TTAGGTAGTGGCAGTGGAACAC	44196	hsa-miR-6509-5p;Derives_from=MI0022221

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017019	7_-_134891794_134891816	ATTAGGTAGTGGCAGTGGAACAC	44197	hsa-miR-6509-5p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017020	7_-_134891795_134891816	ATTAGGTAGTGGCAGTGGAACA	44198	hsa-miR-6509-5p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017021	7_-_134891796_134891815	TTAGGTAGTGGCAGTGGAAC	44199	hsa-miR-6509-5p;Derives_from=MI0022221
NovelMiR_KnownLoci_ID0017022	7_+_136587952_136587969	CCATGGATCTCCAGGTGG	44200	hsa-miR-490-5p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017023	7_+_136587952_136587970	CCATGGATCTCCAGGTGGG	44201	hsa-miR-490-5p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017024	7_+_136587952_136587972	CCATGGATCTCCAGGTGGGTC	44202	hsa-miR-490-5p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017025	7_+_136587952_136587973	CCATGGATCTCCAGGTGGGTCA	44203	hsa-miR-490-5p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017026	7_+_136587952_136587974	CCATGGATCTCCAGGTGGGTCAA	44204	hsa-miR-490-5p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017027	7_+_136587952_136587976	CCATGGATCTCCAGGTGGGTCAAGT	44205	hsa-miR-490-5p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017028	7_+_136587986_136588008	CACCAACCTGGAGGACTCCATGC	44206	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017029	7_+_136587988_136588010	CCAACCTGGAGGACTCCATGCTG	44207	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017030	7_+_136587988_136588011	CCAACCTGGAGGACTCCATGCTGT	44208	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017031	7_+_136587989_136588005	CAACCTGGAGGACTCCA	44209	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017032	7_+_136587989_136588009	CAACCTGGAGGACTCCATGCT	44210	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017033	7_+_136587989_136588011	CAACCTGGAGGACTCCATGCTGT	44211	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017034	7_+_136587989_136588012	CAACCTGGAGGACTCCATGCTGTT	44212	hsa-miR-490-3p;Derives_from=MI0003125

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017035	7_+_136587989_136588013	CAACCTGGAGGACTCCATGCTGTTG	44213	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017036	7_+_136587990_136588010	AACCTGGAGGACTCCATGCTG	44214	hsa-miR-490-3p;Derives_from=MI0003125
NovelMiR_KnownLoci_ID0017037	7_+_137808543_137808563	CCACTCAGAGCAGAAGGATGA	44215	hsa-miR-4468;Derives_from=MI0016819
NovelMiR_KnownLoci_ID0017038	7_+_143079779_143079795	GTAAGGGACCGGAGAGT	44216	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017039	7_+_143079779_143079796	GTAAGGGACCGGAGAGTA	44217	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017040	7_+_143079779_143079797	GTAAGGGACCGGAGAGTAG	44218	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017041	7_+_143079779_143079798	GTAAGGGACCGGAGAGTAGG	44219	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017042	7_+_143079779_143079800	GTAAGGGACCGGAGAGTAGGAA	44220	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017043	7_+_143079779_143079801	GTAAGGGACCGGAGAGTAGGAAA	44221	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017044	7_+_143079779_143079802	GTAAGGGACCGGAGAGTAGGAAAA	44222	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017045	7_+_143079779_143079803	GTAAGGGACCGGAGAGTAGGAAAAG	44223	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017046	7_+_143079779_143079804	GTAAGGGACCGGAGAGTAGGAAAAGC	44224	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017047	7_+_143079779_143079805	GTAAGGGACCGGAGAGTAGGAAAAGCA	44225	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017048	7_+_143079780_143079799	TAAGGGACCGGAGAGTAGGA	44226	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017049	7_+_143079780_143079801	TAAGGGACCGGAGAGTAGGAAA	44227	hsa-miR-6892-5p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017050	7_+_143079780_143079804	TAAGGGACCGGAGAGTAGGAAAAGC	44228	hsa-miR-6892-5p;Derives_from=MI0022739

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017051	7_+_143079867_143079892	CTCTCTTCCCTCTCCCACCCCTTGCA	44229	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017052	7_+_143079868_143079888	TCTCTTCCCTCTCCCACCCCT	44230	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017053	7_+_143079868_143079893	TCTCTTCCCTCTCCCACCCCTTGCAG	44231	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017054	7_+_143079869_143079892	CTCTTCCCTCTCCCACCCCTTGCA	44232	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017055	7_+_143079871_143079890	CTTCCCTCTCCCACCCCTTG	44233	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017056	7_+_143079872_143079890	TTCCCTCTCCCACCCCTTG	44234	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017057	7_+_143079872_143079893	TTCCCTCTCCCACCCCTTGCAG	44235	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017058	7_+_143079872_143079894	TTCCCTCTCCCACCCCTTGCAGG	44236	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017059	7_+_143079872_143079895	TTCCCTCTCCCACCCCTTGCAGGT	44237	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017060	7_+_143079873_143079894	TCCCTCTCCCACCCCTTGCAGG	44238	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017061	7_+_143079873_143079895	TCCCTCTCCCACCCCTTGCAGGT	44239	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017062	7_+_143079874_143079895	CCCTCTCCCACCCCTTGCAGGT	44240	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017063	7_+_143079876_143079893	CTCTCCCACCCCTTGCAG	44241	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017064	7_+_143079877_143079897	TCTCCCACCCCTTGCAGGTGT	44242	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017065	7_+_143079877_143079898	TCTCCCACCCCTTGCAGGTGTC	44243	hsa-miR-6892-3p;Derives_from=MI0022739
NovelMiR_KnownLoci_ID0017066	7_-_147075129_147075149	AAACTGTAATTACTTTTGGAA	44244	hsa-miR-548f-3p;Derives_from=MI0006377

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017067	7_-_147075129_147075150	AAAACTGTAATTACTTTTGGAA	44245	hsa-miR-548f-3p;Derives_from=MI0006377
NovelMiR_KnownLoci_ID0017068	7_-_147075129_147075151	AAAAACTGTAATTACTTTTGGAA	44246	hsa-miR-548f-3p;Derives_from=MI0006377
NovelMiR_KnownLoci_ID0017069	7_+_150935535_150935552	AGGAAGCCCTGGAGGGGC	44247	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017070	7_+_150935535_150935553	AGGAAGCCCTGGAGGGGCT	44248	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017071	7_+_150935535_150935554	AGGAAGCCCTGGAGGGGCTG	44249	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017072	7_+_150935535_150935555	AGGAAGCCCTGGAGGGGCTGG	44250	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017073	7_+_150935535_150935556	AGGAAGCCCTGGAGGGGCTGGA	44251	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017074	7_+_150935535_150935558	AGGAAGCCCTGGAGGGGCTGGAGG	44252	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017075	7_+_150935535_150935559	AGGAAGCCCTGGAGGGGCTGGAGG T	44253	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017076	7_+_150935535_150935560	AGGAAGCCCTGGAGGGGCTGGAGG TG	44254	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017077	7_+_150935535_150935561	AGGAAGCCCTGGAGGGGCTGCAGG TGA	44255	hsa-miR-671-5p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017078	7_+_150935573_150935594	CTCCGGTTCTCAGGGCTCCACC	44256	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017079	7_+_150935574_150935591	TCCGGTTCTCAGGGCTCC	44257	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017080	7_+_150935574_150935592	TCCGGTTCTCAGGGCTCCA	44258	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017081	7_+_150935574_150935593	TCCGGTTCTCAGGGCTCCAC	44259	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017082	7_+_150935574_150935595	TCCGGTTCTCAGGGCTCCACCT	44260	hsa-miR-671-3p;Derives_from=MI0003760

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017083	7_+_150935574_150935596	TCCGGTTCTCAGGGCTCCACCTC	44261	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017084	7_+_150935574_150935597	TCCGGTTCTCAGGGCTCCACCTCT	44262	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017085	7_+_150935576_150935596	CGGTTCTCAGGGCTCCACCTC	44263	hsa-miR-671-3p;Derives_from=MI0003760
NovelMiR_KnownLoci_ID0017086	7_-_151130610_151130631	GTGCTCCAGGCTGGCTCACACC	44264	hsa-miR-3907;Derives_from=MI0016410
NovelMiR_KnownLoci_ID0017087	7_-_151130612_151130632	GGTGCTCCAGGCTGGCTCACA	44265	hsa-miR-3907;Derives_from=MI0016410
NovelMiR_KnownLoci_ID0017088	7_-_151130614_151130633	AGGTGCTCCAGGCTGGCTCA	44266	hsa-miR-3907;Derives_from=MI0016410
NovelMiR_KnownLoci_ID0017089	7_-_157367035_157367061	TGCATAGTCACAAAAGTGATCATTGGA	44267	hsa-miR-153-3p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017090	7_-_157367035_157367062	TTGCATAGTCACAAAAGTGATCATTGGA	44268	hsa-miR-153-3p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017091	7_-_157367045_157367068	GCCCAGTTGCATAGTCACAAAAGT	44269	hsa-miR-153-3p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017092	7_-_157367049_157367068	GCCCAGTTGCATAGTCACAA	44270	hsa-miR-153-3p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017093	7_-_157367077_157367101	GTCATTTTTGTGATGTTGCAGCTAG	44271	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017094	7_-_157367078_157367101	GTCATTTTTGTGATGTTGCAGCTA	44272	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017095	7_-_157367079_157367099	CATTTTTGTGATGTTGCAGCT	44273	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017096	7_-_157367079_157367101	GTCATTTTTGTGATGTTGCAGCT	44274	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017097	7_-_157367080_157367101	GTCATTTTTGTGATGTTGCAGC	44275	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017098	7_-_157367081_157367101	GTCATTTTTGTGATGTTGCAG	44276	hsa-miR-153-5p;Derives_from=MI0000464

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017099	7_-_157367082_157367101	GTCATTTTTGTGATGTTGCA	44277	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017100	7_-_157367085_157367101	GTCATTTTTGTGATGTT	44278	hsa-miR-153-5p;Derives_from=MI0000464
NovelMiR_KnownLoci_ID0017101	7_+_158384311_158384328	AAGAACACGTTTGAATGC	44279	hsa-miR-5707;Derives_from=MI0019315
NovelMiR_KnownLoci_ID0017102	7_+_158384311_158384330	AAGAACACGTTTGAATGCTG	44280	hsa-miR-5707;Derives_from=MI0019315
NovelMiR_KnownLoci_ID0017103	7_+_158384311_158384333	AAGAACACGTTTGAATGCTGTAC	44281	hsa-miR-5707;Derives_from=MI0019315
NovelMiR_KnownLoci_ID0017104	7_-_1883819_1883834	GTCCCCGGGGAGCCCC	44282	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017105	7_-_1883822_1883844	CCCTCGTCAGGTCCCCGGGGAGC	44283	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017106	7_-_1883822_1883845	ACCCTCGTCAGGTCCCCGGGGAGC	44284	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017107	7_-_1883823_1883844	CCCTCGTCAGGTCCCCGGGGAG	44285	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017108	7_-_1883823_1883845	ACCCTCGTCAGGTCCCCGGGGAG	44286	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017109	7_-_1883826_1883845	ACCCTCGTCAGGTCCCCGGG	44287	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017110	7_-_1883827_1883842	CTCGTCAGGTCCCCGG	44288	hsa-miR-4655-3p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017111	7_-_1883857_1883880	CACCGGGGATGGCAGAGGGTCGTG	44289	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017112	7_-_1883857_1883881	ACACCGGGGATGGCAGAGGGTCGTG	44290	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017113	7_-_1883859_1883881	ACACCGGGGATGGCAGAGGGTCG	44291	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017114	7_-_1883860_1883880	CACCGGGGATGGCAGAGGGTC	44292	hsa-miR-4655-5p;Derives_from=MI0017283

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017115	7_-_1883860_1883881	ACACCGGGGATGGCAGAGGGTC	44293	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017116	7_-_1883861_1883881	ACACCGGGGATGGCAGAGGGT	44294	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017117	7_-_1883862_1883881	ACACCGGGGATGGCAGAGGG	44295	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017118	7_-_1883863_1883880	CACCGGGGATGGCAGAGG	44296	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017119	7_-_1883863_1883881	ACACCGGGGATGGCAGAGG	44297	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017120	7_-_1883863_1883882	CACACCGGGGATGGCAGAGG	44298	hsa-miR-4655-5p;Derives_from=MI0017283
NovelMiR_KnownLoci_ID0017121	7_-_19744986_19745010	CATGCTAGGATAGAAAGAATGGGAC	44299	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017122	7_-_19744987_19745010	CATGCTAGGATAGAAAGAATGGGA	44300	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017123	7_-_19744988_19745010	CATGCTAGGATAGAAAGAATGGG	44301	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017124	7_-_19744989_19745007	GCTAGGATAGAAAGAATGG	44302	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017125	7_-_19744989_19745008	TGCTAGGATAGAAAGAATGG	44303	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017126	7_-_19744989_19745009	ATGCTAGGATAGAAAGAATGG	44304	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017127	7_-_19744989_19745011	TCATGCTAGGATAGAAAGAATGG	44305	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017128	7_-_19744993_19745010	CATGCTAGGATAGAAAGA	44306	hsa-miR-3146;Derives_from=MI0014172
NovelMiR_KnownLoci_ID0017129	7_-_2297147_2297170	ATGCCTCCCCCGGCCCCCGCAGGAC	44307	hsa-miR-6836-3p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017130	7_-_2297148_2297169	TGCCTCCCCCGGCCCCCGCAGGA	44308	hsa-miR-6836-3p;Derives_from=MI0022682

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017131	7_-_2297148_2297170	ATGCCTCCCCCGGCCCCGCAGGA	44309	hsa-miR-6836-3p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017132	7_-_2297149_2297169	TGCCTCCCCCGGCCCCGCAGG	44310	hsa-miR-6836-3p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017133	7_-_2297149_2297170	ATGCCTCCCCCGGCCCCGCAGG	44311	hsa-miR-6836-3p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017134	7_-_2297150_2297169	TGCCTCCCCCGGCCCCGCAG	44312	hsa-miR-6836-3p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017135	7_-_2297151_2297170	ATGCCTCCCCCGGCCCCGCA	44313	hsa-miR-6836-3p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017136	7_-_2297184_2297205	CAGGGCCCTGGCGCAGGCATCC	44314	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017137	7_-_2297184_2297207	CGCAGGGCCCTGGCGCAGGCATCC	44315	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017138	7_-_2297184_2297208	CCGCAGGGCCCTGGCGCAGGCATCC	44316	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017139	7_-_2297184_2297209	TCCGCAGGGCCCTGGCGCAGGCATCC	44317	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017140	7_-_2297185_2297205	CAGGGCCCTGGCGCAGGCATC	44318	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017141	7_-_2297185_2297207	CGCAGGGCCCTGGCGCAGGCATC	44319	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017142	7_-_2297185_2297209	TCCGCAGGGCCCTGGCGCAGGCATC	44320	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017143	7_-_2297186_2297208	CCGCAGGGCCCTGGCGCAGGCAT	44321	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017144	7_-_2297186_2297209	TCCGCAGGGCCCTGGCGCAGGCAT	44322	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017145	7_-_2297187_2297207	CGCAGGGCCCTGGCGCAGGCA	44323	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017146	7_-_2297187_2297209	TCCGCAGGGCCCTGGCGCAGGCA	44324	hsa-miR-6836-5p;Derives_from=MI0022682

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017147	7_-_2297188_2297207	CGCAGGGCCCTGGCGCAGGC	44325	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017148	7_-_2297189_2297209	TCCGCAGGGCCCTGGCGCAGG	44326	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017149	7_-_2297190_2297209	TCCGCAGGGCCCTGGCGCAG	44327	hsa-miR-6836-5p;Derives_from=MI0022682
NovelMiR_KnownLoci_ID0017150	7_+_2566707_2566725	TTGTGGGACTGCAAATGGG	44328	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017151	7_+_2566707_2566727	TTGTGGGACTGCAAATGGGAG	44329	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017152	7_+_2566707_2566728	TTGTGGGACTGCAAATGGGAGC	44330	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017153	7_+_2566707_2566730	TTGTGGGACTGCAAATGGGAGCTC	44331	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017154	7_+_2566708_2566728	TGTGGGACTGCAAATGGGAGC	44332	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017155	7_+_2566708_2566729	TGTGGGACTGCAAATGGGAGCT	44333	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017156	7_+_2566708_2566730	TGTGGGACTGCAAATGGGAGCTC	44334	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017157	7_+_2566708_2566731	TGTGGGACTGCAAATGGGAGCTCA	44335	hsa-miR-4648;Derives_from=MI0017275
NovelMiR_KnownLoci_ID0017158	7_-_25989538_25989563	TCAGTGCACTACAGAACTTTGTCT CT	44336	hsa-miR-148a-3p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017159	7_-_25989539_25989563	TCAGTGCACTACAGAACTTTGTCT C	44337	hsa-miR-148a-3p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017160	7_-_25989540_25989563	TCAGTGCACTACAGAACTTTGTCT	44338	hsa-miR-148a-3p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017161	7_-_25989541_25989563	TCAGTGCACTACAGAACTTTGTC	44339	hsa-miR-148a-3p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017162	7_-_25989543_25989563	TCAGTGCACTACAGAACTTTG	44340	hsa-miR-148a-3p;Derives_from=MI0000253

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017163	7_-_25989544_25989563	TCAGTGCACTACAGAACTTT	44341	hsa-miR-148a-3p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017164	7_-_25989574_25989601	AAAGTTCTGAGACACTCCGACTCTGAGT	44342	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017165	7_-_25989578_25989601	AAAGTTCTGAGACACTCCGACTCT	44343	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017166	7_-_25989579_25989600	AAGTTCTGAGACACTCCGACTC	44344	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017167	7_-_25989579_25989601	AAAGTTCTGAGACACTCCGACTC	44345	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017168	7_-_25989579_25989602	CAAAGTTCTGAGACACTCCGACTC	44346	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017169	7_-_25989580_25989602	CAAAGTTCTGAGACACTCCGACT	44347	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017170	7_-_25989581_25989601	AAAGTTCTGAGACACTCCGAC	44348	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017171	7_-_25989581_25989602	CAAAGTTCTGACACACTCCGAC	44349	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017172	7_-_25989582_25989601	AAAGTTCTGAGACACTCCGA	44350	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017173	7_-_25989582_25989602	CAAAGTTCTGAGACACTCCGA	44351	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017174	7_-_25989583_25989601	AAAGTTCTGAGACACTCCG	44352	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017175	7_-_25989584_25989601	AAAGTTCTGAGACACTCC	44353	hsa-miR-148a-5p;Derives_from=MI0000253
NovelMiR_KnownLoci_ID0017176	7_-_27209109_27209131	GACAGCACGACACTGCCTTCATT	44354	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017177	7_-_27209109_27209132	CGACAGCACGACACTGCCTTCATT	44355	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017178	7_-_27209109_27209133	TCGACAGCACGACACTGCCTTCATT	44356	hsa-miR-196b-3p;Derives_from=MI0001150

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017179	7_-_27209109_27209135	TCTCGACAGCACGACACTGCCTTCATT	44357	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017180	7_-_27209110_27209133	TCGACAGCACGACACTGCCTTCAT	44358	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017181	7_-_27209111_27209132	CGACAGCACGACACTGCCTTCA	44359	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017182	7_-_27209111_27209133	TCGACAGCACGACACTGCCTTCA	44360	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017183	7_-_27209114_27209133	TCGACAGCACGACACTGCCT	44361	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017184	7_-_27209115_27209133	TCGACAGCACGACACTGCC	44362	hsa-miR-196b-3p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017185	7_-_27209141_27209165	GTAGTTTCCTGTTGTTGGGATCCAC	44363	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017186	7_-_27209141_27209167	AGGTAGTTTCCTGTTGTTGGGATCCAC	44364	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017187	7_-_27209144_27209165	GTAGTTTCCTGTTGTTGGGATC	44365	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017188	7_-_27209144_27209168	TAGGTAGTTTCCTGTTGTTGGGATC	44366	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017189	7_-_27209145_27209165	GTAGTTTCCTGTTGTTGGGAT	44367	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017190	7_-_27209145_27209168	TAGGTAGTTTCCTGTTGTTGGGAT	44368	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017191	7_-_27209146_27209165	GTAGTTTCCTGTTGTTGGGA	44369	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017192	7_-_27209146_27209168	TAGGTAGTTTCCTGTTGTTGGGA	44370	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017193	7_-_27209148_27209165	GTAGTTTCCTGTTGTTGG	44371	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017194	7_-_27209148_27209167	AGGTAGTTTCCTGTTGTTGG	44372	hsa-miR-196b-5p;Derives_from=MI0001150

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017195	7_-_27209148_27209168	TAGGTAGTTCCTGTTGTTGG	44373	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017196	7_-_27209149_27209168	TAGGTAGTTCCTGTTGTTG	44374	hsa-miR-196b-5p;Derives_from=MI0001150
NovelMiR_KnownLoci_ID0017197	7_-_29720362_29720383	TCTTACTCCCTCAGGCACATCT	44375	hsa-miR-550a-3p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017198	7_-_29720362_29720384	GTCTTACTCCCTCAGGCACATCT	44376	hsa-miR-550a-3p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017199	7_-_29720363_29720385	TGTCTTACTCCCTCAGGCACATC	44377	hsa-miR-550a-3p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017200	7_-_29720364_29720384	GTCTTACTCCCTCAGGCACAT	44378	hsa-miR-550a-3p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017201	7_-_29720365_29720385	TGTCTTACTCCCTCAGGCACA	44379	hsa-miR-550a-3p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017202	7_-_29720399_29720422	TGCCTGAGGGAGTAAGAGTCCTGT	44380	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017203	7_-_29720399_29720423	GTGCCTGAGGGAGTAAGAGTCCTG T	44381	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017204	7_-_29720400_29720422	TGCCTGAGGGAGTAAGAGTCCTG	44382	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017205	7_-_29720400_29720424	AGTGCCTGAGGGACTAAGAGTCCT G	44383	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017206	7_-_29720401_29720422	TGCCTGAGGGAGTAAGAGTCCT	44384	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017207	7_-_29720401_29720423	GTGCCTGAGGGAGTAAGAGTCCT	44385	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017208	7_-_29720401_29720424	AGTGCCTGAGGGAGTAAGAGTCCT	44386	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017209	7_-_29720402_29720422	TGCCTGAGGGAGTAAGAGTCC	44387	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017210	7_-_29720402_29720423	GTGCCTGAGGGAGTAAGAGTCC	44388	hsa-miR-550a-3-5p;Derives_from=MI0003762

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017211	7_-_29720402_29720424	AGTGCCTGAGGGAGTAAGAGTCC	44389	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017212	7_-_29720403_29720422	TGCCTGAGGGAGTAAGAGTC	44390	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017213	7_-_29720403_29720423	GTGCCTGAGGGAGTAAGAGTC	44391	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017214	7_-_29720403_29720424	AGTGCCTGAGGGAGTAAGAGTC	44392	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017215	7_-_29720404_29720422	TGCCTGAGGGAGTAAGAGT	44393	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017216	7_-_29720404_29720423	GTGCCTGAGGGAGTAAGAGT	44394	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017217	7_-_29720404_29720424	AGTGCCTGAGGGAGTAAGAGT	44395	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017218	7_-_29720404_29720425	CAGTGCCTGAGGGAGTAAGAGT	44396	hsa-miR-550a-3-5p;Derives_from=MI0003762
NovelMiR_KnownLoci_ID0017219	7_+_32772627_32772642	GTAAGAGCCCTGTTGT	44397	hsa-miR-550a-5p;Derives_from=MI0003601
NovelMiR_KnownLoci_ID0017220	7_+_32772647_32772673	AGATAGTGTCTTACTCCCTCAGGCACA	44398	hsa-miR-550a-3p;Derives_from=MI0003601
NovelMiR_KnownLoci_ID0017221	7_-_34980412_34980437	CAAAAGTAATTGTGGATTTTGTCGTT	44399	hsa-miR-548n;Derives_from=MI0006399
NovelMiR_KnownLoci_ID0017222	7_-_34980414_34980436	AAAAGTAATTGTGGATTTTGTCG	44400	hsa-miR-548n;Derives_from=MI0006399
NovelMiR_KnownLoci_ID0017223	7_-_34980415_34980436	AAAAGTAATTGTGGATTTTGTC	44401	hsa-miR-548n;Derives_from=MI0006399
NovelMiR_KnownLoci_ID0017224	7_-_34980416_34980436	AAAAGTAATTGTGGATTTTGT	44402	hsa-miR-548n;Derives_from=MI0006399
NovelMiR_KnownLoci_ID0017225	7_-_36959009_36959030	TCTCCTGAGCCATTCTGAGCCT	44403	hsa-miR-1200;Derives_from=MI0006332
NovelMiR_KnownLoci_ID0017226	7_-_36959009_36959033	ACTTCTCCTGAGCCATTCTGAGCCT	44404	hsa-miR-1200;Derives_from=MI0006332

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017227	7_+_43190516_43190533	TAGCCCCCAGGCTTCACT	44405	hsa-miR-3943;Derives_from=MI0016600
NovelMiR_KnownLoci_ID0017228	7_+_43190516_43190535	TAGCCCCCAGGCTTCACTTG	44406	hsa-miR-3943;Derives_from=MI0016600
NovelMiR_KnownLoci_ID0017229	7_+_43190516_43190536	TAGCCCCCAGGCTTCACTTGG	44407	hsa-miR-3943;Derives_from=MI0016600
NovelMiR_KnownLoci_ID0017230	7_+_43190516_43190537	TAGCCCCCAGGCTTCACTTGGC	44408	hsa-miR-3943;Derives_from=MI0016600
NovelMiR_KnownLoci_ID0017231	7_+_43190516_43190539	TAGCCCCCAGGCTTCACTTGGCGT	44409	hsa-miR-3943;Derives_from=MI0016600
NovelMiR_KnownLoci_ID0017232	7_+_43190516_43190540	TAGCCCCCAGGCTTCACTTGGCGTG	44410	hsa-miR-3943;Derives_from=MI0016600
NovelMiR_KnownLoci_ID0017233	7_+_44091365_44091389	GTGGGACCAGGGCCAGCAGGGAATG	44411	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017234	7_+_44091368_44091391	GGACCAGGGCCAGCAGGGAATGTC	44412	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017235	7_+_44091369_44091390	GACCAGGGCCAGCAGGGAATGT	44413	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017236	7_+_44091369_44091391	GACCAGGGCCAGCAGGGAATGTC	44414	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017237	7_+_44091369_44091392	GACCAGGGCCAGCAGGGAATGTCA	44415	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017238	7_+_44091370_44091388	ACCAGGGCCAGCAGGGAAT	44416	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017239	7_+_44091370_44091389	ACCAGGGCCAGCAGGGAATG	44417	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017240	7_+_44091370_44091391	ACCAGGGCCAGCAGGGAATGTC	44418	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017241	7_+_44091370_44091392	ACCAGGGCCAGCAGGGAATGTCA	44419	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017242	7_+_44091371_44091390	CCAGGGCCAGCAGGGAATGT	44420	hsa-miR-6837-5p;Derives_from=MI0022683

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017243	7_+_44091371_44091391	CCAGGGCCAGCAGGGAATGTC	44421	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017244	7_+_44091372_44091394	CAGGGCCAGCAGGGAATGTCAGG	44422	hsa-miR-6837-5p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017245	7_+_44091401_44091427	CCTGACCTTCACTGTGACTCTGCTGCA	44423	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017246	7_+_44091403_44091423	TGACCTTCACTGTGACTCTGC	44424	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017247	7_+_44091403_44091424	TGACCTTCACTGTGACTCTGCT	44425	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017248	7_+_44091406_44091425	CCTTCACTGTGACTCTGCTG	44426	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017249	7_+_44091406_44091426	CCTTCACTGTGACTCTGCTGC	44427	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017250	7_+_44091406_44091427	CCTTCACTGTGACTCTGCTGCA	44428	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017251	7_+_44091406_44091429	CCTTCACTGTGACTCTGCTGCAGA	44429	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017252	7_+_44091412_44091431	CTGTGACTCTGCTGCAGAGG	44430	hsa-miR-6837-3p;Derives_from=MI0022683
NovelMiR_KnownLoci_ID0017253	7_-_44112974_44112995	AGTCCTGCTTCTGTTGCAGAAG	44431	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017254	7_-_44112974_44112996	AAGTCCTGCTTCTGTTGCAGAAG	44432	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017255	7_-_44112975_44112996	AAGTCCTGCTTCTGTTGCAGAA	44433	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017256	7_-_44112975_44112997	GAAGTCCTGCTTCTGTTGCAGAA	44434	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017257	7_-_44112976_44112996	AAGTCCTGCTTCTGTTGCAGA	44435	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017258	7_-_44112976_44112997	GAAGTCCTGCTTCTGTTGCAGA	44436	hsa-miR-6838-3p;Derives_from=MI0022684

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017259	7_-_44112976_44113000	ACGGAAGTCCTGCTTCTGTTGCAG A	44437	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017260	7_-_44112976_44113002	TCACGGAAGTCCTGCTTCTGTTGC AGA	44438	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017261	7_-_44112978_44112996	AAGTCCTGCTTCTGTTGCA	44439	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017262	7_-_44112984_44113002	TCACGGAAGTCCTGCTTCT	44440	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017263	7_-_44112985_44113002	TCACGGAAGTCCTGCTTC	44441	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017264	7_-_44112986_44113002	TCACGGAAGTCCTGCTT	44442	hsa-miR-6838-3p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017265	7_-_44113003_44113026	AGCAGCAGTGGCAAGACTCCTAGG	44443	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017266	7_-_44113004_44113024	CAGCAGTGGCAAGACTCCTAG	44444	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017267	7_-_44113004_44113026	AGCAGCAGTGGCAAGACTCCTAG	44445	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017268	7_-_44113004_44113027	AAGCAGCAGTGGCAAGACTCCTAG	44446	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017269	7_-_44113005_44113026	AGCAGCAGTGGCAAGACTCCTA	44447	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017270	7_-_44113006_44113026	AGCAGCAGTGGCAAGACTCCT	44448	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017271	7_-_44113006_44113028	GAAGCAGCAGTGGCAAGACTCCT	44449	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017272	7_-_44113007_44113027	AAGCAGCAGTGGCAAGACTCC	44450	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017273	7_-_44113007_44113028	GAAGCAGCAGTGGCAAGACTCC	44451	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017274	7_-_44113008_44113027	AAGCAGCAGTGGCAAGACTC	44452	hsa-miR-6838-5p;Derives_from=MI0022684

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017275	7_-_44113008_44113028	GAAGCAGCAGTGGCAAGACTC	44453	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017276	7_-_44113009_44113026	AGCAGCAGTGGCAAGACT	44454	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017277	7_-_44113009_44113027	AAGCAGCAGTGGCAAGACT	44455	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017278	7_-_44113009_44113028	GAAGCAGCAGTGGCAAGACT	44456	hsa-miR-6838-5p;Derives_from=MI0022684
NovelMiR_KnownLoci_ID0017279	7_+_44150444_44150462	ATTGTCTGGGCGAGGGGTG	44457	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017280	7_+_44150447_44150470	GTCTGGGCGAGGGGTGGGCTCTCA	44458	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017281	7_+_44150448_44150472	TCTGGGCGAGGGGTGGGCTCTCAGA	44459	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017282	7_+_44150449_44150471	CTGGGCGAGGGGTGGGCTCTCAG	44460	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017283	7_+_44150449_44150472	CTGGGCGAGGGGTGGGCTCTCAGA	44461	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017284	7_+_44150450_44150467	TGGGCGAGGGGTGGGCTC	44462	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017285	7_+_44150450_44150471	TGGGCGAGGGGTGGGCTCTCAG	44463	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017286	7_+_44150450_44150472	TGGGCGAGGGGTGGGCTCTCAGA	44464	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017287	7_+_44150450_44150474	TGGGCGAGGGGTGGGCTCTCAGAGG	44465	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017288	7_+_44150450_44150475	TGGGCGAGGGGTGGGCTCTCAGAGGG	44466	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017289	7_+_44150451_44150470	GGGCGAGGGGTGGGCTCTCA	44467	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017290	7_+_44150454_44150474	CGAGGGGTGGGCTCTCAGAGG	44468	hsa-miR-4649-5p;Derives_from=MI0017276

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017291	7_+_44150454_44150476	CGAGGGGTGGGCTCTCAGAGGGG	44469	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017292	7_+_44150454_44150477	CGAGGGGTGGGCTCTCAGAGGGGC	44470	hsa-miR-4649-5p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017293	7_+_44150489_44150510	CTCTGAGGCCTGCCTCTCCCCA	44471	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017294	7_+_44150490_44150509	TCTGAGGCCTGCCTCTCCCC	44472	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017295	7_+_44150490_44150511	TCTGAGGCCTGCCTCTCCCCAG	44473	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017296	7_+_44150490_44150512	TCTGAGGCCTGCCTCTCCCCAGA	44474	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017297	7_+_44150490_44150514	TCTGAGGCCTGCCTCTCCCCAGAC C	44475	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017298	7_+_44150491_44150509	CTGAGGCCTGCCTCTCCCC	44476	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017299	7_+_44150491_44150510	CTGAGGCCTGCCTCTCCCCA	44477	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017300	7_+_44150491_44150511	CTGAGGCCTGCCTCTCCCCAG	44478	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017301	7_+_44150491_44150512	CTGAGGCCTGCCTCTCCCCAGA	44479	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017302	7_+_44150491_44150513	CTGAGGCCTGCCTCTCCCCAGAC	44480	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017303	7_+_44150491_44150514	CTGAGGCCTGCCTCTCCCCAGACC	44481	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017304	7_+_44150492_44150509	TGAGGCCTGCCTCTCCCC	44482	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017305	7_+_44150492_44150511	TGAGGCCTGCCTCTCCCCAG	44483	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017306	7_+_44150492_44150512	TGAGGCCTGCCTCTCCCCAGA	44484	hsa-miR-4649-3p;Derives_from=MI0017276

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017307	7_+_44150492_44150513	TGAGGCCTGCCTCTCCCCAGAC	44485	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017308	7_+_44150492_44150514	TGAGGCCTGCCTCTCCCCAGACC	44486	hsa-miR-4649-3p;Derives_from=MI0017276
NovelMiR_KnownLoci_ID0017309	7_-_44921371_44921393	GAAGTGGTCTGAGGCATATAGAG	44487	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017310	7_-_44921374_44921396	GTGGAAGTGGTCTGAGGCATATA	44488	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017311	7_-_44921374_44921399	AATGTGGAAGTGGTCTGAGGCATATA	44489	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017312	7_-_44921375_44921399	AATGTGGAAGTGGTCTGAGGCATAT	44490	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017313	7_-_44921376_44921398	ATGTGGAAGTGGTCTGAGGCATA	44491	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017314	7_-_44921376_44921399	AATGTGGAAGTGGTCTGAGGCATA	44492	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017315	7_-_44921376_44921402	AAGAATGTGGAAGTGGTCTGAGGCATA	44493	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017316	7_-_44921378_44921399	AATGTGGAAGTGGTCTGAGGCA	44494	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017317	7_-_44921378_44921402	AAGAATGTGGAAGTGGTCTGAGGCA	44495	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017318	7_-_44921379_44921399	AATGTGGAAGTGGTCTGAGGC	44496	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017319	7_-_44921379_44921402	AAGAATGTGGAAGTGGTCTGAGGC	44497	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017320	7_-_44921380_44921399	AATGTGGAAGTGGTCTGAGG	44498	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017321	7_-_44921381_44921402	AAGAATGTGGAAGTGGTCTGAG	44499	hsa-miR-4657;Derives_from=MI0017285
NovelMiR_KnownLoci_ID0017322	7_-_4828236_4828261	TGGGCTGAGGGCAGGAGGCCTGTGGC	44500	hsa-miR-4656;Derives_from=MI0017284

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017323	7_-_4828237_4828261	TGGGCTGAGGGCAGGAGGCCTGTGG	44501	hsa-miR-4656;Derives_from=MI0017284
NovelMiR_KnownLoci_ID0017324	7_-_4828238_4828261	TGGGCTGAGGGCAGGAGGCCTGTG	44502	hsa-miR-4656;Derives_from=MI0017284
NovelMiR_KnownLoci_ID0017325	7_-_4828240_4828261	TGGGCTGAGGGCAGGAGGCCTG	44503	hsa-miR-4656;Derives_from=MI0017284
NovelMiR_KnownLoci_ID0017326	7_-_4828241_4828261	TGGGCTGAGGGCAGGAGGCCT	44504	hsa-miR-4656;Derives_from=MI0017284
NovelMiR_KnownLoci_ID0017327	7_-_5535462_5535488	TCAGAACAAATGCCGGTTCCCAGACGC	44505	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017328	7_-_5535464_5535488	TCAGAACAAATGCCGGTTCCCAGAC	44506	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017329	7_-_5535465_5535486	AGAACAAATGCCGGTTCCCAGA	44507	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017330	7_-_5535466_5535486	AGAACAAATGCCGGTTCCCAG	44508	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017331	7_-_5535466_5535488	TCAGAACAAATGCCGGTTCCCAG	44509	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017332	7_-_5535467_5535486	AGAACAAATGCCGGTTCCCA	44510	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017333	7_-_5535467_5535487	CAGAACAAATGCCGGTTCCCA	44511	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017334	7_-_5535467_5535488	TCAGAACAAATGCCGGTTCCCA	44512	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017335	7_-_5535468_5535488	TCAGAACAAATGCCGGTTCCC	44513	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017336	7_-_5535469_5535488	TCAGAACAAATGCCGGTTCC	44514	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017337	7_-_5535470_5535488	TCAGAACAAATGCCGGTTC	44515	hsa-miR-589-3p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017338	7_-_5535471_5535488	TCAGAACAAATGCCGGTT	44516	hsa-miR-589-3p;Derives_from=MI0003599

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017339	7_-_5535501_5535525	TGAGAACCACGTCTGCTCTGAGCTG	44517	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017340	7_-_5535502_5535525	TGAGAACCACGTCTGCTCTGAGCT	44518	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017341	7_-_5535503_5535524	GAGAACCACGTCTGCTCTGAGC	44519	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017342	7_-_5535503_5535525	TGAGAACCACGTCTGCTCTGAGC	44520	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017343	7_-_5535505_5535524	GAGAACCACGTCTGCTCTGA	44521	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017344	7_-_5535505_5535525	TGAGAACCACGTCTGCTCTGA	44522	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017345	7_-_5535506_5535525	TGAGAACCACGTCTGCTCTG	44523	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017346	7_-_5535508_5535525	TGAGAACCACGTCTGCTC	44524	hsa-miR-589-5p;Derives_from=MI0003599
NovelMiR_KnownLoci_ID0017347	7_-_5751470_5751493	CAGTTCTGCTGTTCTGACTCTAGG	44525	hsa-miR-6874-3p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017348	7_-_5751472_5751493	CAGTTCTGCTGTTCTGACTCTA	44526	hsa-miR-6874-3p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017349	7_-_5751473_5751493	CAGTTCTGCTGTTCTGACTCT	44527	hsa-miR-6874-3p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017350	7_-_5751474_5751493	CAGTTCTGCTGTTCTGACTC	44528	hsa-miR-6874-3p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017351	7_-_5751475_5751493	CAGTTCTGCTGTTCTGACT	44529	hsa-miR-6874-3p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017352	7_-_5751512_5751536	ATGGAGCTGGAACCAGATCAGGCTT	44530	hsa-miR-6874-5p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017353	7_-_5751513_5751536	ATGGAGCTGGAACCAGATCAGGCT	44531	hsa-miR-6874-5p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017354	7_-_5751514_5751535	TGGAGCTGGAACCAGATCAGGC	44532	hsa-miR-6874-5p;Derives_from=MI0022721

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017355	7_-_5751514_5751537	CATGGAGCTGGAACCAGATCAGGC	44533	hsa-miR-6874-5p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017356	7_-_5751515_5751535	TGGAGCTGGAACCAGATCAGG	44534	hsa-miR-6874-5p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017357	7_-_5751515_5751536	ATGGAGCTGGAACCAGATCAGG	44535	hsa-miR-6874-5p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017358	7_-_5751517_5751542	AGCCACATGGAGCTGGAACCAGAT CA	44536	hsa-miR-6874-5p;Derives_from=MI0022721
NovelMiR_KnownLoci_ID0017359	7_+_64139447_64139464	TCTGGATTGAAGAGACGA	44537	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017360	7_+_64139447_64139465	TCTGGATTGAAGAGACGAC	44538	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017361	7_+_64139447_64139466	TCTGGATTGAAGAGACGACC	44539	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017362	7_+_64139447_64139467	TCTGGATTGAAGAGACGACCC	44540	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017363	7_+_64139447_64139469	TCTGGATTGAAGAGACGACCCAA	44541	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017364	7_+_64139447_64139471	TCTGGATTGAAGAGACGACCCAAG C	44542	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017365	7_+_64139448_64139469	CTGGATTGAAGAGACGACCCAA	44543	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017366	7_+_64139448_64139471	CTGGATTGAAGAGACGACCCAAGC	44544	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017367	7_+_64139449_64139468	TGGATTGAAGAGACGACCCA	44545	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017368	7_+_64139449_64139469	TGGATTGAAGAGACGACCCAA	44546	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017369	7_+_64139449_64139470	TGGATTGAAGAGACGACCCAAG	44547	hsa-miR-6839-5p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017370	7_+_64139449_64139471	TGGATTGAAGAGACGACCCAAGC	44548	hsa-miR-6839-5p;Derives_from=MI0022685

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017371	7_+_64139533_64139552	TTGGGTTTTCTCTTCAATCC	44549	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017372	7_+_64139533_64139553	TTGGGTTTTCTCTTCAATCCA	44550	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017373	7_+_64139533_64139555	TTGGGTTTTCTCTTCAATCCAGA	44551	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017374	7_+_64139534_64139554	TGGGTTTTCTCTTCAATCCAG	44552	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017375	7_+_64139534_64139555	TGGGTTTTCTCTTCAATCCAGA	44553	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017376	7_+_64139543_64139559	TCTTCAATCCAGACTGT	44554	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017377	7_+_64139543_64139560	TCTTCAATCCAGACTGTG	44555	hsa-miR-6839-3p;Derives_from=MI0022685
NovelMiR_KnownLoci_ID0017378	7_-_70772671_70772693	AGGAACCAGAAAATGAGAAGTTG	44556	hsa-miR-3914;Derives_from=MI0016419
NovelMiR_KnownLoci_ID0017379	7_-_7106639_7106662	TGCGACATTGGAAGTAGTATCATC	44557	hsa-miR-3683;Derives_from=MI0016084
NovelMiR_KnownLoci_ID0017380	7_-_7106642_7106662	TGCGACATTGGAAGTAGTATC	44558	hsa-miR-3683;Derives_from=MI0016084
NovelMiR_KnownLoci_ID0017381	7_-_7106642_7106665	CCCTGCGACATTGGAAGTAGTATC	44559	hsa-miR-3683;Derives_from=MI0016084
NovelMiR_KnownLoci_ID0017382	7_-_7106643_7106662	TGCGACATTGGAAGTAGTAT	44560	hsa-miR-3683;Derives_from=MI0016084
NovelMiR_KnownLoci_ID0017383	7_-_7106644_7106662	TGCGACATTGGAAGTAGTA	44561	hsa-miR-3683;Derives_from=MI0016084
NovelMiR_KnownLoci_ID0017384	7_-_7106645_7106664	CCTGCGACATTGGAAGTAGT	44562	hsa-miR-3683;Derives_from=MI0016084
NovelMiR_KnownLoci_ID0017385	7_+_73125654_73125672	GAGGGGCTCACATCACCCC	44563	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017386	7_+_73125655_73125670	AGGGGCTCACATCACC	44564	hsa-miR-4284;Derives_from=MI0015893

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017387	7_+_73125657_73125675	GGGCTCACATCACCCCATC	44565	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017388	7_+_73125657_73125676	GGGCTCACATCACCCCATCA	44566	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017389	7_+_73125657_73125677	GGGCTCACATCACCCCATCAA	44567	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017390	7_+_73125657_73125678	GGGCTCACATCACCCCATCAAA	44568	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017391	7_+_73125657_73125680	GGGCTCACATCACCCCATCAAAGT	44569	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017392	7_+_73125658_73125675	GGCTCACATCACCCCATC	44570	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017393	7_+_73125658_73125676	GGCTCACATCACCCCATCA	44571	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017394	7_+_73125658_73125677	GGCTCACATCACCCCATCAA	44572	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017395	7_+_73125658_73125678	GGCTCACATCACCCCATCAAA	44573	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017396	7_+_73125658_73125680	GGCTCACATCACCCCATCAAAGT	44574	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017397	7_+_73125659_73125675	GCTCACATCACCCCATC	44575	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017398	7_+_73125659_73125676	GCTCACATCACCCCATCA	44576	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017399	7_+_73125659_73125680	GCTCACATCACCCCATCAAAGT	44577	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017400	7_+_73125661_73125677	TCACATCACCCCATCAA	44578	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017401	7_+_73125662_73125677	CACATCACCCCATCAA	44579	hsa-miR-4284;Derives_from=MI0015893
NovelMiR_KnownLoci_ID0017402	7_+_73605542_73605562	TGAGCTTATTCATAAAAGTGC	44580	hsa-miR-590-5p;Derives_from=MI0003602

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017403	7_+_73605542_73605563	TGAGCTTATTCATAAAAGTGCA	44581	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017404	7_+_73605542_73605564	TGAGCTTATTCATAAAAGTGCAG	44582	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017405	7_+_73605542_73605568	TGAGCTTATTCATAAAAGTGCAGT ATG	44583	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017406	7_+_73605543_73605561	GAGCTTATTCATAAAAGTG	44584	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017407	7_+_73605543_73605562	GAGCTTATTCATAAAAGTGC	44585	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017408	7_+_73605543_73605563	GAGCTTATTCATAAAAGTGCA	44586	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017409	7_+_73605543_73605565	GAGCTTATTCATAAAAGTGCAGT	44587	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017410	7_+_73605543_73605566	GAGCTTATTCATAAAAGTGCAGTA	44588	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017411	7_+_73605543_73605567	GAGCTTATTCATAAAAGTGCAGTA T	44589	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017412	7_+_73605543_73605568	GAGCTTATTCATAAAAGTGCAGTA TG	44590	hsa-miR-590-5p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017413	7_+_73605582_73605600	GTAATTTTATGTATAAGCT	44591	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017414	7_+_73605582_73605601	GTAATTTTATGTATAAGCTA	44592	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017415	7_+_73605582_73605602	GTAATTTTATGTATAAGCTAG	44593	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017416	7_+_73605582_73605603	GTAATTTTATGTATAAGCTAGT	44594	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017417	7_+_73605582_73605604	GTAATTTTATGTATAAGCTAGTC	44595	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017418	7_+_73605582_73605605	GTAATTTTATGTATAAGCTAGTCT	44596	hsa-miR-590-3p;Derives_from=MI0003602

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017419	7_+_73605582_73605606	GTAATTTTATGTATAAGCTAGTCTC	44597	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017420	7_+_73605583_73605601	TAATTTTATGTATAAGCTA	44598	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017421	7_+_73605583_73605602	TAATTTTATGTATAAGCTAG	44599	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017422	7_+_73605583_73605604	TAATTTTATGTATAAGCTAGTC	44600	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017423	7_+_73605583_73605605	TAATTTTATGTATAAGCTAGTCT	44601	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017424	7_+_73605583_73605606	TAATTTTATGTATAAGCTAGTCTC	44602	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017425	7_+_73605583_73605609	TAATTTTATGTATAAGCTAGTCTCTGA	44603	hsa-miR-590-3p;Derives_from=MI0003602
NovelMiR_KnownLoci_ID0017426	7_+_75544518_75544539	CGACGGCGGGGTGGGTGAGGTC	44604	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017427	7_+_75544521_75544541	CGGCGGGGTGGGTGAGGTCGG	44605	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017428	7_+_75544523_75544541	GCGGGGTGGGTGAGGTCGG	44606	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017429	7_+_75544524_75544541	CGGGGTGGGTGAGGTCGG	44607	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017430	7_+_75544524_75544542	CGGGGTGGGTGAGGTCGGG	44608	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017431	7_+_75544524_75544544	CGGGGTGGGTGAGGTCGGGCC	44609	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017432	7_+_75544524_75544545	CGGGGTGGGTGAGGTCGGGCCC	44610	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017433	7_+_75544524_75544548	CGGGGTGGGTGAGGTCGGGCCCCAA	44611	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017434	7_+_75544525_75544543	GGGGTGGGTGAGGTCGGGC	44612	hsa-miR-4651;Derives_from=MI0017279

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017435	7_+_75544526_75544544	GGGTGGGTGAGGTCGGGCC	44613	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017436	7_+_75544526_75544549	GGGTGGGTGAGGTCGGGCCCCAAG	44614	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017437	7_+_75544527_75544548	GGTGGGTGAGGTCGGGCCCCAA	44615	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017438	7_+_75544529_75544546	TGGGTGAGGTCGGGCCCC	44616	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017439	7_+_75544532_75544549	GTGAGGTCGGGCCCCAAG	44617	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017440	7_+_75544533_75544549	TGAGGTCGGGCCCCAAG	44618	hsa-miR-4651;Derives_from=MI0017279
NovelMiR_KnownLoci_ID0017441	7_-_91833335_91833362	TCTGGGCAACAAAGTGAGACCTTA TCTC	44619	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017442	7_-_91833336_91833362	TCTGGGCAACAAAGTGAGACCTTA TCT	44620	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017443	7_-_91833337_91833362	TCTGGGCAACAAAGTGAGACCTTA TC	44621	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017444	7_-_91833338_91833362	TCTGGGCAACAAAGTGAGACCTTA T	44622	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017445	7_-_91833339_91833362	TCTGGGCAACAAAGTGAGACCTTA	44623	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017446	7_-_91833342_91833366	CTGGTCTGGGCAACAAAGTGAGAC C	44624	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017447	7_-_91833344_91833365	TGGTCTGGGCAACAAAGTGAGA	44625	hsa-miR-1285-3p;Derives_from=MI0006346
NovelMiR_KnownLoci_ID0017448	7_-_93112090_93112114	ACTGGAGTTTGTTTCAATATTGCA A	44626	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017449	7_-_93112091_93112117	CTCACTGGAGTTTGTTTCAATATT GCA	44627	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017450	7_-_93112092_93112114	ACTGGAGTTTGTTTCAATATTGC	44628	hsa-miR-653-3p;Derives_from=MI0003674

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017451	7_-_93112093_93112114	ACTGGAGTTTGTTTCAATATTG	44629	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017452	7_-_93112093_93112117	TTCACTGGAGTTTGTTTCAATATTG	44630	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017453	7_-_93112094_93112114	ACTGGAGTTTGTTTCAATATT	44631	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017454	7_-_93112094_93112116	TCACTGGAGTTTGTTTCAATATT	44632	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017455	7_-_93112094_93112117	TTCACTGGAGTTTGTTTCAATATT	44633	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017456	7_-_93112095_93112116	TCACTGGAGTTTGTTTCAATAT	44634	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017457	7_-_93112095_93112117	TTCACTGGAGTTTGTTTCAATAT	44635	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017458	7_-_93112096_93112116	TCACTGGAGTTTGTTTCAATA	44636	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017459	7_-_93112097_93112117	TTCACTGGAGTTTGTTTCAAT	44637	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017460	7_-_93112097_93112120	AAGTTCACTGGAGTTTGTTTCAAT	44638	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017461	7_-_93112098_93112117	TTCACTGGAGTTTGTTTCAA	44639	hsa-miR-653-3p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017462	7_-_93112129_93112151	TGAAACAATCTCTACTGAACCAG	44640	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017463	7_-_93112129_93112152	TTGAAACAATCTCTACTGAACCAG	44641	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017464	7_-_93112130_93112152	TTGAAACAATCTCTACTGAACCA	44642	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017465	7_-_93112131_93112151	TGAAACAATCTCTACTGAACC	44643	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017466	7_-_93112131_93112152	TTGAAACAATCTCTACTGAACC	44644	hsa-miR-653-5p;Derives_from=MI0003674

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017467	7_-_93112131_93112154	TGTTGAAACAATCTCTACTGAACC	44645	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017468	7_-_93112132_93112152	TTGAAACAATCTCTACTGAAC	44646	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017469	7_-_93112132_93112154	TGTTGAAACAATCTCTACTGAAC	44647	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017470	7_-_93112133_93112152	TTGAAACAATCTCTACTGAA	44648	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017471	7_-_93112133_93112155	GTGTTGAAACAATCTCTACTGAA	44649	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017472	7_-_93112134_93112155	GTGTTGAAACAATCTCTACTGA	44650	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017473	7_-_93112135_93112152	TTGAAACAATCTCTACTG	44651	hsa-miR-653-5p;Derives_from=MI0003674
NovelMiR_KnownLoci_ID0017474	7_-_93113254_93113279	TGACATCACATATACGGCAGCTAAAC	44652	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017475	7_-_93113256_93113279	TGACATCACATATACGGCAGCTAA	44653	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017476	7_-_93113257_93113279	TGACATCACATATACGGCAGCTA	44654	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017477	7_-_93113257_93113280	GTGACATCACATATACGGCAGCTA	44655	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017478	7_-_93113258_93113279	TGACATCACATATACGGCAGCT	44656	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017479	7_-_93113258_93113280	GTGACATCACATATACGGCAGCT	44657	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017480	7_-_93113259_93113279	TGACATCACATATACGGCAGC	44658	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017481	7_-_93113260_93113279	TGACATCACATATACGGCAG	44659	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017482	7_-_93113260_93113280	GTGACATCACATATACGGCAG	44660	hsa-miR-489-3p;Derives_from=MI0003124

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017483	7_-_93113261_93113280	GTGACATCACATATACGGCA	44661	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017484	7_-_93113262_93113280	GTGACATCACATATACGGC	44662	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017485	7_-_93113264_93113280	GTGACATCACATATACG	44663	hsa-miR-489-3p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017486	7_-_93113296_93113318	GGTCGTATGTGTGACGCCATTTA	44664	hsa-miR-489-5p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017487	7_-_93113298_93113318	GGTCGTATGTGTGACGCCATT	44665	hsa-miR-489-5p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017488	7_-_93113298_93113319	TGGTCGTATGTGTGACGCCATT	44666	hsa-miR-489-5p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017489	7_-_93113299_93113318	GGTCGTATGTGTGACGCCAT	44667	hsa-miR-489-5p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017490	7_-_93113302_93113318	GGTCGTATGTGTGACGC	44668	hsa-miR-489-5p;Derives_from=MI0003124
NovelMiR_KnownLoci_ID0017491	7_+_93346246_93346266	ACGAGGGGACTGGTTAATAGA	44669	hsa-miR-4652-5p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017492	7_+_93346249_93346268	AGGGGACTGGTTAATAGAAC	44670	hsa-miR-4652-5p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017493	7_+_93346249_93346269	AGGGGACTGGTTAATAGAACT	44671	hsa-miR-4652-5p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017494	7_+_93346249_93346272	AGGGGACTGGTTAATAGAACTAAC	44672	hsa-miR-4652-5p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017495	7_+_93346250_93346269	GGGGACTGGTTAATAGAACT	44673	hsa-miR-4652-5p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017496	7_+_93346288_93346309	TGTTCTGTTAACCCATCCCCTC	44674	hsa-miR-4652-3p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017497	7_+_93346289_93346309	GTTCTGTTAACCCATCCCCTC	44675	hsa-miR-4652-3p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017498	7_+_93346289_93346311	GTTCTGTTAACCCATCCCCTCAT	44676	hsa-miR-4652-3p;Derives_from=MI0017280

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017499	7_+_93346291_93346310	TCTGTTAACCCATCCCCTCA	44677	hsa-miR-4652-3p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017500	7_+_93346291_93346311	TCTGTTAACCCATCCCCTCAT	44678	hsa-miR-4652-3p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017501	7_+_93346291_93346314	TCTGTTAACCCATCCCCTCATCTA	44679	hsa-miR-4652-3p;Derives_from=MI0017280
NovelMiR_KnownLoci_ID0017502	7_-_95849044_95849059	TGAGGTAGACCATGGG	44680	hsa-miR-591;Derives_from=MI0003603
NovelMiR_KnownLoci_ID0017503	7_-_97593723_97593745	TAGGAATAATATCACAGTAGGTG	44681	hsa-miR-5692c;Derives_from=MI0019289
NovelMiR_KnownLoci_ID0017504	7_-_97593724_97593745	TAGGAATAATATCACAGTAGGT	44682	hsa-miR-5692c;Derives_from=MI0019289
NovelMiR_KnownLoci_ID0017505	7_-_97593725_97593745	TAGGAATAATATCACAGTAGG	44683	hsa-miR-5692c;Derives_from=MI0019289
NovelMiR_KnownLoci_ID0017506	7_+_98479320_98479344	AAGCAAAGTGATGAGTAATACTGGC	44684	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017507	7_+_98479322_98479340	GCAAAGTGATGAGTAATAC	44685	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017508	7_+_98479322_98479341	GCAAAGTGATGAGTAATACT	44686	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017509	7_+_98479322_98479342	GCAAAGTGATGAGTAATACTG	44687	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017510	7_+_98479322_98479343	GCAAAGTGATGAGTAATACTGG	44688	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017511	7_+_98479322_98479344	GCAAAGTGATGAGTAATACTGGC	44689	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017512	7_+_98479322_98479345	GCAAAGTGATGAGTAATACTGGCT	44690	hsa-miR-3609;Derives_from=MI0015999

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017513	7_+_98479322_98479346	GCAAAGTGATGAGTAATACTGGCTG	44691	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017514	7_+_98479322_98479347	GCAAAGTGATGAGTAATACTGGCTGG	44692	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017515	7_+_98479322_98479348	GCAAAGTGATGAGTAATACTGGCTGGA	44693	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017516	7_+_98479322_98479349	GCAAAGTGATGAGTAATACTGGCTGGAG	44694	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017517	7_+_98479323_98479340	CAAAGTGATGAGTAATAC	44695	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017518	7_+_98479323_98479341	CAAAGTGATGAGTAATACT	44696	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017519	7_+_98479323_98479342	CAAAGTGATGAGTAATACTG	44697	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017520	7_+_98479323_98479343	CAAAGTGATGAGTAATACTGG	44698	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017521	7_+_98479323_98479344	CAAAGTGATGAGTAATACTGGC	44699	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017522	7_+_98479323_98479345	CAAAGTGATGAGTAATACTGGCT	44700	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017523	7_+_98479323_98479347	CAAAGTGATGAGTAATACTGGCTGG	44701	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017524	7_+_98479323_98479348	CAAAGTGATGAGTAATACTGGCTGGA	44702	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017525	7_+_98479323_98479349	CAAAGTGATGAGTAATACTGGCTGGAG	44703	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017526	7_+_98479323_98479350	CAAAGTGATGAGTAATACTGGCTGGAGC	44704	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017527	7_+_98479324_98479343	AAAGTGATGAGTAATACTGG	44705	hsa-miR-3609;Derives_from=MI0015999
NovelMiR_KnownLoci_ID0017528	7_-_99691193_99691215	CATTGCACTTGTCTCGGTCTGAC	44706	hsa-miR-25-3p;Derives_from=MI0000082

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017529	7_-_99691195_99691215	CATTGCACTTGTCTCGGTCTG	44707	hsa-miR-25-3p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017530	7_-_99691196_99691215	CATTGCACTTGTCTCGGTCT	44708	hsa-miR-25-3p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017531	7_-_99691197_99691215	CATTGCACTTGTCTCGGTC	44709	hsa-miR-25-3p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017532	7_-_99691199_99691215	CATTGCACTTGTCTCGG	44710	hsa-miR-25-3p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017533	7_-_99691229_99691253	AGGCGGAGACTTGGGCAATTGCTGG	44711	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017534	7_-_99691230_99691253	AGGCGGAGACTTGGGCAATTGCTG	44712	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017535	7_-_99691231_99691253	AGGCGGAGACTTGGGCAATTGCT	44713	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017536	7_-_99691232_99691253	AGGCGGAGACTTGGGCAATTGC	44714	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017537	7_-_99691234_99691253	AGGCGGAGACTTGGGCAATT	44715	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017538	7_-_99691235_99691253	AGGCGGAGACTTGGGCAAT	44716	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017539	7_-_99691237_99691253	AGGCGGAGACTTGGGCA	44717	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017540	7_-_99691238_99691253	AGGCGGAGACTTGGGC	44718	hsa-miR-25-5p;Derives_from=MI0000082
NovelMiR_KnownLoci_ID0017541	7_-_99691397_99691417	CTGAGCTAGCACTTCCCGAGC	44719	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017542	7_-_99691397_99691420	CTGCTGAGCTAGCACTTCCCGAGC	44720	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017543	7_-_99691397_99691421	ACTGCTGAGCTAGCACTTCCCGAGC	44721	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017544	7_-_99691398_99691421	ACTGCTGAGCTAGCACTTCCCGAG	44722	hsa-miR-93-3p;Derives_from=MI0000095

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017545	7_-_99691399_99691420	CTGCTGAGCTAGCACTTCCCGA	44723	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017546	7_-_99691399_99691421	ACTGCTGAGCTAGCACTTCCCGA	44724	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017547	7_-_99691401_99691421	ACTGCTGAGCTAGCACTTCCC	44725	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017548	7_-_99691402_99691421	ACTGCTGAGCTAGCACTTCC	44726	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017549	7_-_99691402_99691422	TACTGCTGAGCTAGCACTTCC	44727	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017550	7_-_99691403_99691421	ACTGCTGAGCTAGCACTTC	44728	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017551	7_-_99691404_99691421	ACTGCTGAGCTAGCACTT	44729	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017552	7_-_99691411_99691427	CAACCTACTGCTGAGCT	44730	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017553	7_-_99691433_99691460	CAAAGTGCTGTTCGTGCAGGTAGTGTGA	44731	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017554	7_-_99691436_99691460	CAAAGTGCTGTTCGTGCAGGTAGTG	44732	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017555	7_-_99691437_99691460	CAAACTGCTGTTCGTGCAGGTAGT	44733	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017556	7_-_99691439_99691460	CAAAGTGCTGTTCGTGCAGGTA	44734	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017557	7_-_99691440_99691460	CAAAGTGCTGTTCGTGCAGGT	44735	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017558	7_-_99691441_99691460	CAAAGTGCTGTTCGTGCAGG	44736	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017559	7_-_99691442_99691460	CAAAGTGCTGTTCGTGCAG	44737	hsa-miR-93-5p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0017560	7_-_99691444_99691460	CAAAGTGCTGTTCGTGC	44738	hsa-miR-93-5p;Derives_from=MI0000095

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017561	7_-_99691620_99691646	CCGCACTGTGGGTACTTGCTGCTC CAG	44739	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017562	7_-_99691622_99691646	CCGCACTGTGGGTACTTGCTGCTC C	44740	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017563	7_-_99691623_99691646	CCGCACTGTGGGTACTTGCTGCTC	44741	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017564	7_-_99691623_99691647	ACCGCACTGTGGGTACTTGCTGCT C	44742	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017565	7_-_99691623_99691648	TACCGCACTGTGGGTACTTGCTGC TC	44743	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017566	7_-_99691624_99691646	CCGCACTGTGGGTACTTGCTGCT	44744	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017567	7_-_99691626_99691646	CCGCACTGTGGGTACTTGCTG	44745	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017568	7_-_99691627_99691646	CCGCACTGTGGGTACTTGCT	44746	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017569	7_-_99691627_99691648	TACCGCACTGTGGGTACTTGCT	44747	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017570	7_-_99691628_99691648	TACCGCACTGTGGGTACTTGC	44748	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017571	7_-_99691630_99691646	CCGCACTGTGGGTACTT	44749	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017572	7_-_99691660_99691686	TAAAGTGCTGACAGTGCAGATAGT GGT	44750	hsa-miR-106b-5p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017573	7_-_99691662_99691686	TAAAGTGCTGACAGTGCAGATAGT G	44751	hsa-miR-106b-5p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017574	7_-_99691663_99691686	TAAAGTGCTGACAGTGCAGATAGT	44752	hsa-miR-106b-5p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017575	7_-_99691664_99691686	TAAAGTGCTGACAGTGCAGATAG	44753	hsa-miR-106b-5p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017576	7_-_99691665_99691686	TAAAGTGCTGACAGTGCAGATA	44754	hsa-miR-106b-5p;Derives_from=MI0000734

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017577	7_-_99691667_99691686	TAAAGTGCTGACAGTGCAGA	44755	hsa-miR-106b-5p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0017578	7_-_99754228_99754252	GTGTGGATCCTGGAGGAATCGTGGC	44756	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017579	7_-_99754230_99754251	TGTGGATCCTGGAGGAATCGTG	44757	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017580	7_-_99754230_99754256	GTGAGTGTGGATCCTGGAGGAATCGTG	44758	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017581	7_-_99754232_99754255	TGAGTGTGGATCCTGGAGGAATCG	44759	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017582	7_-_99754232_99754256	GTGAGTGTGGATCCTGGAGGAATCG	44760	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017583	7_-_99754233_99754256	GTGAGTGTGGATCCTGGAGGAATC	44761	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017584	7_-_99754235_99754256	GTGAGTGTGGATCCTGGAGGAA	44762	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017585	7_-_99754236_99754256	GTGAGTGTGGATCCTGGAGGA	44763	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017586	7_-_99754237_99754256	GTGAGTGTGGATCCTGGAGG	44764	hsa-miR-4658;Derives_from=MI0017286
NovelMiR_KnownLoci_ID0017587	7_+_99954276_99954296	ACCACCCCCGGGCAAAGACCT	44765	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017588	7_+_99954276_99954297	ACCACCCCCGGGCAAAGACCTG	44766	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017589	7_+_99954276_99954298	ACCACCCCCGGGCAAAGACCTGC	44767	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017590	7_+_99954276_99954300	ACCACCCCCGGGCAAAGACCTGCAG	44768	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017591	7_+_99954278_99954297	CACCCCCGGGCAAAGACCTG	44769	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017592	7_+_99954278_99954299	CACCCCCGGGCAAAGACCTGCA	44770	hsa-miR-6840-5p;Derives_from=MI0022686

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017593	7_+_99954278_99954300	CACCCCCGGGCAAAGACCTGCAG	44771	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017594	7_+_99954278_99954301	CACCCCCGGGCAAAGACCTGCAGA	44772	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017595	7_+_99954278_99954302	CACCCCCGGGCAAAGACCTGCAGAT	44773	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017596	7_+_99954278_99954303	CACCCCCGGGCAAAGACCTGCAGATC	44774	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017597	7_+_99954279_99954296	ACCCCCGGGCAAAGACCT	44775	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017598	7_+_99954279_99954299	ACCCCCGGGCAAAGACCTGCA	44776	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017599	7_+_99954279_99954300	ACCCCCGGGCAAAGACCTGCAG	44777	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017600	7_+_99954279_99954301	ACCCCCGGGCAAAGACCTGCAGA	44778	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017601	7_+_99954279_99954303	ACCCCCGGGCAAAGACCTGCAGATC	44779	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017602	7_+_99954279_99954305	ACCCCCGGGCAAAGACCTGCAGATCCC	44780	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017603	7_+_99954280_99954300	CCCCCGGGCAAAGACCTGCAG	44781	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017604	7_+_99954280_99954302	CCCCCGGGCAAAGACCTGCAGAT	44782	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017605	7_+_99954281_99954298	CCCCGGGCAAAGACCTGC	44783	hsa-miR-6840-5p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017606	7_+_99954314_99954336	GACGGGCCCAGGACTTTGTGCGG	44784	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017607	7_+_99954319_99954337	GCCCAGGACTTTGTGCGGG	44785	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017608	7_+_99954319_99954338	GCCCAGGACTTTGTGCGGGG	44786	hsa-miR-6840-3p;Derives_from=MI0022686

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017609	7_+_99954319_99954339	GCCCAGGACTTTGTGCGGGGT	44787	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017610	7_+_99954319_99954341	GCCCAGGACTTTGTGCGGGGTGC	44788	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017611	7_+_99954319_99954342	GCCCAGGACTTTGTGCGGGGTGCC	44789	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017612	7_+_99954319_99954343	GCCCAGGACTTTGTGCGGGGTGCC C	44790	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017613	7_+_99954320_99954342	CCCAGGACTTTGTGCGGGGTGCC	44791	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017614	7_+_99954322_99954341	CAGGACTTTGTGCGGGGTGC	44792	hsa-miR-6840-3p;Derives_from=MI0022686
NovelMiR_KnownLoci_ID0017615	8_-_100548873_100548894	TGTCAGTTTATCAAACCCATAC	44793	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017616	8_-_100548875_100548896	TGTGTCAGTTTATCAAACCCAT	44794	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017617	8_-_100548875_100548897	TTGTGTCAGTTTATCAAACCCAT	44795	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017618	8_-_100548875_100548898	GTTGTGTCAGTTTATCAAACCCAT	44796	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017619	8_-_100548876_100548894	TGTCAGTTTATCAAACCCA	44797	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017620	8_-_100548876_100548897	TTGTGTCAGTTTATCAAACCCA	44798	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017621	8_-_100548876_100548898	GTTGTGTCAGTTTATCAAACCCA	44799	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017622	8_-_100548877_100548894	TGTCAGTTTATCAAACCC	44800	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017623	8_-_100548877_100548898	GTTGTGTCAGTTTATCAAACCC	44801	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017624	8_-_100548878_100548897	TTGTGTCAGTTTATCAAACC	44802	hsa-miR-599;Derives_from=MI0003611

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017625	8_-_100548878_100548898	GTTGTGTCAGTTTATCAAACC	44803	hsa-miR-599;Derives_from=MI0003611
NovelMiR_KnownLoci_ID0017626	8_-_100549021_100549045	CCTGGAAACACTGAGGTTGTGTCTC	44804	hsa-miR-875-3p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017627	8_-_100549024_100549045	CCTGGAAACACTGAGGTTGTGT	44805	hsa-miR-875-3p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017628	8_-_100549027_100549045	CCTGGAAACACTGAGGTTG	44806	hsa-miR-875-3p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017629	8_-_100549052_100549079	TATACCTCAGTTTTATCAGGTGTTCTTA	44807	hsa-miR-875-5p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017630	8_-_100549057_100549079	TATACCTCAGTTTTATCAGGTGT	44808	hsa-miR-875-5p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017631	8_-_100549057_100549080	CTATACCTCAGTTTTATCAGGTGT	44809	hsa-miR-875-5p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017632	8_-_100549059_100549079	TATACCTCAGTTTTATCAGGT	44810	hsa-miR-875-5p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017633	8_-_100549060_100549079	TATACCTCAGTTTTATCAGG	44811	hsa-miR-875-5p;Derives_from=MI0005541
NovelMiR_KnownLoci_ID0017634	8_-_101036213_101036234	CGACAAAGCAAGACTCTTTCTT	44812	hsa-miR-1273a;Derives_from=MI0006409
NovelMiR_KnownLoci_ID0017635	8_-_101036213_101036238	TGGGCGACAAAGCAAGACTCTTTTCTT	44813	hsa-miR-1273a;Derives_from=MI0006409
NovelMiR_KnownLoci_ID0017636	8_-_101036213_101036239	CTGGGCGACAAAGCAAGACTCTTTCTTT	44814	hsa-miR-1273a;Derives_from=MI0006409
NovelMiR_KnownLoci_ID0017637	8_+_101395038_101395057	ATGGGAACTTAGTAGAGGTT	44815	hsa-miR-4471;Derives_from=MI0016822
NovelMiR_KnownLoci_ID0017638	8_+_101395038_101395058	ATGGGAACTTAGTAGAGGTTT	44816	hsa-miR-4471;Derives_from=MI0016822

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017639	8_+_101395039_101395059	TGGGAACTTAGTAGAGGTTTA	44817	hsa-miR-4471;Derives_from=MI0016822
NovelMiR_KnownLoci_ID0017640	8_+_101395039_101395061	TGGGAACTTAGTAGAGGTTTAAG	44818	hsa-miR-4471;Derives_from=MI0016822
NovelMiR_KnownLoci_ID0017641	8_-_101715227_101715249	AGCTCAGAATGTCAGTTCTGTTT	44819	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017642	8_-_101715227_101715252	AATAGCTCAGAATGTCAGTTCTGTTT	44820	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017643	8_-_101715228_101715251	ATAGCTCAGAATGTCAGTTCTGTT	44821	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017644	8_-_101715229_101715249	AGCTCAGAATGTCAGTTCTGT	44822	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017645	8_-_101715229_101715251	ATAGCTCAGAATGTCAGTTCTGT	44823	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017646	8_-_101715229_101715252	AATAGCTCAGAATGTCAGTTCTGT	44824	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017647	8_-_101715230_101715251	ATAGCTCAGAATGTCAGTTCTG	44825	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017648	8_-_101715230_101715256	GTGGAATAGCTCAGAATGTCAGTTCTG	44826	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017649	8_-_101715231_101715251	ATAGCTCAGAATGTCAGTTCT	44827	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017650	8_-_101715231_101715252	AATAGCTCAGAATGTCAGTTCT	44828	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017651	8_-_101715231_101715255	TGGAATAGCTCAGAATGTCAGTTCT	44829	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017652	8_-_101715231_101715258	CTGTGGAATAGCTCAGAATGTCAGTTCT	44830	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017653	8_-_101715232_101715251	ATAGCTCAGAATGTCAGTTC	44831	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017654	8_-_101715232_101715252	AATAGCTCAGAATGTCAGTTC	44832	hsa-miR-7705;Derives_from=MI0025241

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017655	8_-_101715233_101715250	TAGCTCAGAATGTCAGTT	44833	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017656	8_-_101715233_101715251	ATAGCTCAGAATGTCAGTT	44834	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017657	8_-_101715233_101715252	AATAGCTCAGAATGTCAGTT	44835	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017658	8_-_101715234_101715252	AATAGCTCAGAATGTCAGT	44836	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017659	8_-_101715235_101715251	ATAGCTCAGAATGTCAG	44837	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017660	8_-_101715235_101715252	AATAGCTCAGAATGTCAG	44838	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017661	8_-_101715239_101715258	CTGTGGAATAGCTCAGAATG	44839	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017662	8_-_101715243_101715258	CTGTGGAATAGCTCAG	44840	hsa-miR-7705;Derives_from=MI0025241
NovelMiR_KnownLoci_ID0017663	8_+_103137706_103137727	AGGAGGAGAAATGCTGGACTAA	44841	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017664	8_+_103137709_103137731	AGGAGAAATGCTGGACTAATCTG	44842	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017665	8_+_103137709_103137732	AGGAGAAATGCTGGACTAATCTGC	44843	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017666	8_+_103137711_103137729	GAGAAATGCTGGACTAATC	44844	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017667	8_+_103137711_103137731	GAGAAATGCTGGACTAATCTG	44845	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017668	8_+_103137711_103137733	GAGAAATGCTGGACTAATCTGCT	44846	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017669	8_+_103137711_103137734	GAGAAATGCTGGACTAATCTGCTA	44847	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017670	8_+_103137711_103137736	GAGAAATGCTGGACTAATCTGCTA AT	44848	hsa-miR-5680;Derives_from=MI0019280

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017671	8_+_103137711_103137737	GAGAAATGCTGGACTAATCTGCTAATC	44849	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017672	8_+_103137712_103137731	AGAAATGCTGGACTAATCTG	44850	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017673	8_+_103137712_103137732	AGAAATGCTGGACTAATCTGC	44851	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017674	8_+_103137712_103137733	AGAAATGCTGGACTAATCTGCT	44852	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017675	8_+_103137712_103137737	AGAAATGCTGGACTAATCTGCTAATC	44853	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017676	8_+_103137714_103137732	AAATGCTGGACTAATCTGC	44854	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017677	8_+_103137715_103137736	AATGCTGGACTAATCTGCTAAT	44855	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017678	8_+_103137715_103137737	AATGCTGGACTAATCTGCTAATC	44856	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017679	8_+_103137720_103137738	TGGACTAATCTGCTAATCC	44857	hsa-miR-5680;Derives_from=MI0019280
NovelMiR_KnownLoci_ID0017680	8_+_104166850_104166870	GGGTGGGGCAATGGGATCAGG	44858	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017681	8_+_104166851_104166872	GGTGGGGCAATGGGATCAGGTG	44859	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017682	8_+_104166851_104166873	GGTGGGGCAATGGGATCAGGTGC	44860	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017683	8_+_104166851_104166874	GGTGGGGCAATGGGATCAGGTGCC	44861	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017684	8_+_104166852_104166870	GTGGGGCAATGGGATCAGG	44862	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017685	8_+_104166852_104166871	GTGGGGCAATGGGATCAGGT	44863	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017686	8_+_104166852_104166872	GTGGGGCAATGGGATCAGGTG	44864	hsa-miR-3151-5p;Derives_from=MI0014178

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017687	8_+_104166852_104166873	GTGGGGCAATGGGATCAGGTGC	44865	hsa-miR-3151-5p;Derives_from=MI0014178
NovelMiR_KnownLoci_ID0017688	8_+_10524497_10524517	CACCCCACTCCTGGTACCATA	44866	hsa-miR-4286;Derives_from=MI0015894
NovelMiR_KnownLoci_ID0017689	8_+_10524498_10524517	ACCCCACTCCTGGTACCATA	44867	hsa-miR-4286;Derives_from=MI0015894
NovelMiR_KnownLoci_ID0017690	8_+_10524498_10524518	ACCCCACTCCTGGTACCATAG	44868	hsa-miR-4286;Derives_from=MI0015894
NovelMiR_KnownLoci_ID0017691	8_+_10524498_10524519	ACCCCACTCCTGGTACCATAGT	44869	hsa-miR-4286;Derives_from=MI0015894
NovelMiR_KnownLoci_ID0017692	8_+_10524498_10524520	ACCCCACTCCTGGTACCATAGTC	44870	hsa-miR-4286;Derives_from=MI0015894
NovelMiR_KnownLoci_ID0017693	8_+_10524499_10524518	CCCCACTCCTGGTACCATAG	44871	hsa-miR-4286;Derives_from=MI0015894
NovelMiR_KnownLoci_ID0017694	8_-_105496606_105496627	TGGCAATTACTTTTGCACCAAC	44872	hsa-miR-548a-3p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017695	8_-_105496645_105496669	AAAAGTAATTGCGACTTTTACCATT	44873	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017696	8_-_105496646_105496667	AAGTAATTGCGACTTTTACCAT	44874	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017697	8_-_105496647_105496669	AAAAGTAATTGCGACTTTTACCA	44875	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017698	8_-_105496649_105496669	AAAAGTAATTGCGACTTTTAC	44876	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017699	8_-_105496650_105496669	AAAAGTAATTGCGACTTTTA	44877	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017700	8_-_105496652_105496675	CGGTGCAAAAGTAATTGCGACTTT	44878	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017701	8_-_105496654_105496675	CGGTGCAAAAGTAATTGCGACT	44879	hsa-miR-548a-5p;Derives_from=MI0003612
NovelMiR_KnownLoci_ID0017702	8_-_10682885_10682909	AAGCGTGATGATGCTGCTGATGCTG	44880	hsa-miR-1322;Derives_from=MI0006653

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017703	8_-_10682888_10682909	AAGCGTGATGATGCTGCTGATG	44881	hsa-miR-1322;Derives_from=MI0006653
NovelMiR_KnownLoci_ID0017704	8_-_10682890_10682909	AAGCGTGATGATGCTGCTGA	44882	hsa-miR-1322;Derives_from=MI0006653
NovelMiR_KnownLoci_ID0017705	8_-_10892726_10892752	TACGTCATCGTTGTCATCGTCATCATC	44883	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017706	8_-_10892728_10892751	ACGTCATCGTTGTCATCGTCATCA	44884	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017707	8_-_10892729_10892752	TACGTCATCGTTGTCATCGTCATC	44885	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017708	8_-_10892730_10892752	TACGTCATCGTTGTCATCGTCAT	44886	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017709	8_-_10892731_10892751	ACGTCATCGTTGTCATCGTCA	44887	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017710	8_-_10892732_10892752	TACGTCATCGTTGTCATCGTC	44888	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017711	8_-_10892733_10892752	TACGTCATCGTTGTCATCGT	44889	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017712	8_-_10892734_10892752	TACGTCATCGTTGTCATCG	44890	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017713	8_-_10892735_10892752	TACGTCATCGTTGTCATC	44891	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017714	8_-_10892737_10892752	TACGTCATCGTTGTCA	44892	hsa-miR-598-3p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017715	8_-_10892764_10892789	GCGGTGATCCCGATGGTGTGAGCTGG	44893	hsa-miR-598-5p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017716	8_-_10892765_10892789	GCGGTGATCCCGATGGTGTGAGCTG	44894	hsa-miR-598-5p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017717	8_-_10892766_10892789	GCGGTGATCCCGATGGTGTGAGCT	44895	hsa-miR-598-5p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017718	8_-_10892768_10892789	GCGGTGATCCCGATGGTGTGAG	44896	hsa-miR-598-5p;Derives_from=MI0003610

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017719	8_-_10892769_10892789	GCGGTGATCCCGATGGTGTGA	44897	hsa-miR-598-5p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017720	8_-_10892770_10892789	GCGGTGATCCCGATGGTGTG	44898	hsa-miR-598-5p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017721	8_-_10892772_10892789	GCGGTGATCCCGATGGTG	44899	hsa-miR-598-5p;Derives_from=MI0003610
NovelMiR_KnownLoci_ID0017722	8_-_117886973_117886989	AGGAGGCGCCGGCTGTG	44900	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017723	8_-_117886973_117886990	AAGGAGGCGCCGGCTGTG	44901	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017724	8_-_117886973_117886991	AAAGGAGGCGCCGGCTGTG	44902	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017725	8_-_117886973_117886994	CGGAAAGGAGGCGCCGGCTGTG	44903	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017726	8_-_117886975_117886994	CGGAAAGGAGGCGCCGGCTG	44904	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017727	8_-_117886975_117886996	ATCGGAAAGGAGGCGCCGGCTG	44905	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017728	8_-_117886976_117886993	GGAAAGGAGGCGCCGGCT	44906	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017729	8_-_117886976_117886998	GAATCGGAAAGCAGCGCCGGCT	44907	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017730	8_-_117886978_117886996	ATCGGAAAGGAGGCGCCGG	44908	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017731	8_-_117886978_117886997	AATCGGAAAGGAGGCGCCGG	44909	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017732	8_-_117886978_117886998	GAATCGGAAAGGAGGCGCCGG	44910	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017733	8_-_117886980_117886996	ATCGGAAAGGAGGCGCC	44911	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017734	8_-_117886980_117886997	AATCGGAAAGGAGGCGCC	44912	hsa-miR-3610;Derives_from=MI0016000

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017735	8_-_117886980_117886998	GAATCGGAAAGGAGGCGCC	44913	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017736	8_-_117886980_117886999	TGAATCGGAAAGGAGGCGCC	44914	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017737	8_-_117886980_117887000	GTGAATCGGAAAGGAGGCGCC	44915	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017738	8_-_117886981_117886999	TGAATCGGAAAGGAGGCGC	44916	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017739	8_-_117886982_117886999	TGAATCGGAAAGGAGGCG	44917	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017740	8_-_117886982_117887002	GAGTGAATCGGAAAGGAGGCG	44918	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017741	8_-_117886983_117886998	GAATCGGAAAGGAGGC	44919	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017742	8_-_117886983_117887000	GTGAATCGGAAAGGAGGC	44920	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017743	8_-_117886983_117887001	AGTGAATCGGAAAGGAGGC	44921	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017744	8_-_117886983_117887002	GAGTGAATCGGAAAGGAGCC	44922	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017745	8_-_117886983_117887004	TTGAGTGAATCGGAAAGGAGGC	44923	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017746	8_-_117886984_117887000	GTGAATCGGAAAGGAGG	44924	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017747	8_-_117886984_117887002	GAGTGAATCGGAAAGGAGG	44925	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017748	8_-_117886984_117887003	TGAGTGAATCGGAAAGGAGG	44926	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017749	8_-_117886984_117887004	TTGAGTGAATCGGAAAGGAGG	44927	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017750	8_-_117886985_117887002	GAGTGAATCGGAAAGGAG	44928	hsa-miR-3610;Derives_from=MI0016000

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017751	8_-_117886985_117887004	TTGAGTGAATCGGAAAGGAG	44929	hsa-miR-3610;Derives_from=MI0016000
NovelMiR_KnownLoci_ID0017752	8_-_124228065_124228083	ATGGACGTGCAGTGGCATC	44930	hsa-miR-4663;Derives_from=MI0017292
NovelMiR_KnownLoci_ID0017753	8_-_124228069_124228094	AGCTGAGCTCCATGGACGTGCAGT GG	44931	hsa-miR-4663;Derives_from=MI0017292
NovelMiR_KnownLoci_ID0017754	8_-_124228070_124228094	AGCTGAGCTCCATGGACGTGCAGT G	44932	hsa-miR-4663;Derives_from=MI0017292
NovelMiR_KnownLoci_ID0017755	8_-_124228072_124228094	AGCTGAGCTCCATGGACGTGCAG	44933	hsa-miR-4663;Derives_from=MI0017292
NovelMiR_KnownLoci_ID0017756	8_-_124228082_124228100	TGGTGGAGCTGAGCTCCAT	44934	hsa-miR-4663;Derives_from=MI0017292
NovelMiR_KnownLoci_ID0017757	8_-_124360283_124360308	AAAACCACAGTTTCTTTTGCACCA GA	44935	hsa-miR-548d-3p;Derives_from=MI0003668
NovelMiR_KnownLoci_ID0017758	8_-_124360321_124360342	GTAATTGTGGTTTTTGCCTGTA	44936	hsa-miR-548d-5p;Derives_from=MI0003668
NovelMiR_KnownLoci_ID0017759	8_-_125520754_125520776	TTCTTTGTTTTTTAATTCACAGAC	44937	hsa-miR-6844;Derives_from=MI0022690
NovelMiR_KnownLoci_ID0017760	8_-_125520755_125520775	TCTTTGTTTTTTAATTCACAGA	44938	hsa-miR-6844;Derives_from=MI0022690
NovelMiR_KnownLoci_ID0017761	8_-_125520755_125520776	TTCTTTGTTTTTTAATTCACAGA	44939	hsa-miR-6844;Derives_from=MI0022690
NovelMiR_KnownLoci_ID0017762	8_-_125520755_125520777	GTTCTTTGTTTTTTAATTCACAGA	44940	hsa-miR-6844;Derives_from=MI0022690
NovelMiR_KnownLoci_ID0017763	8_-_125520757_125520776	TTCTTTGTTTTTTAATTCACA	44941	hsa-miR-6844;Derives_from=MI0022690
NovelMiR_KnownLoci_ID0017764	8_-_125520757_125520777	GTTCTTTGTTTTTTAATTCACA	44942	hsa-miR-6844;Derives_from=MI0022690
NovelMiR_KnownLoci_ID0017765	8_-_125520759_125520782	TAAAAGTTCTTTGTTTTTTAATTCA	44943	hsa-miR-6844;Derives_from=MI0022690

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017766	8_-_125834229_125834251	AAAGATGGACAATTGGCTAAATA	44944	hsa-miR-4662b;Derives_from=MI0017293
NovelMiR_KnownLoci_ID0017767	8_-_125834231_125834251	AAAGATGGACAATTGGCTAAA	44945	hsa-miR-4662b;Derives_from=MI0017293
NovelMiR_KnownLoci_ID0017768	8_+_125834232_125834249	TTAGCCAATTGTCCATCT	44946	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017769	8_+_125834232_125834250	TTAGCCAATTGTCCATCTT	44947	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017770	8_+_125834232_125834251	TTAGCCAATTGTCCATCTTT	44948	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017771	8_+_125834232_125834252	TTAGCCAATTGTCCATCTTTA	44949	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017772	8_+_125834232_125834254	TTAGCCAATTGTCCATCTTTAGC	44950	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017773	8_+_125834232_125834255	TTAGCCAATTGTCCATCTTTAGCT	44951	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017774	8_+_125834232_125834256	TTAGCCAATTGTCCATCTTTAGCTA	44952	hsa-miR-4662a-5p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017775	8_+_125834268_125834289	TAAAGATAGACAATTGGCTAAA	44953	hsa-miR-4662a-3p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017776	8_+_125834269_125834287	AAAGATAGACAATTGGCTA	44954	hsa-miR-4662a-3p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017777	8_+_125834269_125834288	AAAGATAGACAATTGGCTAA	44955	hsa-miR-4662a-3p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017778	8_+_125834269_125834291	AAAGATAGACAATTGGCTAAATA	44956	hsa-miR-4662a-3p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017779	8_+_125834269_125834294	AAAGATAGACAATTGGCTAAATAGAA	44957	hsa-miR-4662a-3p;Derives_from=MI0017290
NovelMiR_KnownLoci_ID0017780	8_+_125834270_125834290	AAGATAGACAATTGGCTAAAT	44958	hsa-miR-4662a-3p;Derives_from=MI0017290

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017781	8_+_12584745_12584760	CGGAGCTGGCCAAAAA	44959	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017782	8_+_12584745_12584762	CGGAGCTGGCCAAAAAGC	44960	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017783	8_+_12584745_12584763	CGGAGCTGGCCAAAAAGCA	44961	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017784	8_+_12584745_12584764	CGGAGCTGGCCAAAAAGCAG	44962	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017785	8_+_12584745_12584765	CGGAGCTGGCCAAAAAGCAGG	44963	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017786	8_+_12584745_12584766	CGGAGCTGGCCAAAAAGCAGGC	44964	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017787	8_+_12584745_12584767	CGGAGCTGGCCAAAAAGCAGGCA	44965	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017788	8_+_12584745_12584768	CGGAGCTGGCCAAAAAGCAGGCAG	44966	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017789	8_+_12584748_12584769	AGCTGGCCAAAAAGCAGGCAGA	44967	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017790	8_+_12584751_12584773	TGGCCAAAAAGCAGGCAGACG	44968	hsa-miR-3926;Derives_from=MI0016437
NovelMiR_KnownLoci_ID0017791	8_-_12584777_12584793	GCAGGCAGACTTTAA	44969	hsa-miR-3926;Derives_from=MI0016434
NovelMiR_KnownLoci_ID0017792	8_-_12584781_12584803	TGGCCAAAAAGCAGGCAGACT	44970	hsa-miR-3926;Derives_from=MI0016434
NovelMiR_KnownLoci_ID0017793	8_-_12584788_12584809	TGGAGCTGGCCAAAAAGCAGGC	44971	hsa-miR-3926;Derives_from=MI0016434
NovelMiR_KnownLoci_ID0017794	8_+_128808205_128808220	GAAACCTCGTGGCCTG	44972	hsa-miR-1204;Derives_from=MI0006337
NovelMiR_KnownLoci_ID0017795	8_+_128808205_128808225	GAAACCTCGTGGCCTGGTCTC	44973	hsa-miR-1204;Derives_from=MI0006337
NovelMiR_KnownLoci_ID0017796	8_+_128808205_128808226	GAAACCTCGTGGCCTGGTCTCC	44974	hsa-miR-1204;Derives_from=MI0006337

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017797	8_+_128808210_128808225	CTCGTGGCCTGGTCTC	44975	hsa-miR-1204;Derives_from=MI0006337
NovelMiR_KnownLoci_ID0017798	8_+_128808211_128808226	TCGTGGCCTGGTCTCC	44976	hsa-miR-1204;Derives_from=MI0006337
NovelMiR_KnownLoci_ID0017799	8_+_128808212_128808237	CGTGGCCTGGTCTCCATTATTTGAGA	44977	hsa-miR-1204;Derives_from=MI0006337
NovelMiR_KnownLoci_ID0017800	8_+_128972880_128972895	AAGGCCTCTGCAGGGT	44978	hsa-miR-1205;Derives_from=MI0006338
NovelMiR_KnownLoci_ID0017801	8_+_128972880_128972900	AAGGCCTCTGCAGGGTTTGCT	44979	hsa-miR-1205;Derives_from=MI0006338
NovelMiR_KnownLoci_ID0017802	8_+_128972880_128972901	AAGGCCTCTGCAGGGTTTGCTT	44980	hsa-miR-1205;Derives_from=MI0006338
NovelMiR_KnownLoci_ID0017803	8_+_129021141_129021162	TATCAGTGTTCATGTAGATGTT	44981	hsa-miR-1206;Derives_from=MI0006339
NovelMiR_KnownLoci_ID0017804	8_+_129021143_129021168	TCAGTGTTCATGTAGATGTTTAAGCT	44982	hsa-miR-1206;Derives_from=MI0006339
NovelMiR_KnownLoci_ID0017805	8_+_129021143_129021169	TCAGTGTTCATGTAGATGTTTAAGCTC	44983	hsa-miR-1206;Derives_from=MI0006339
NovelMiR_KnownLoci_ID0017806	8_+_129061399_129061414	CAGGGCTGGCAGGGAG	44984	hsa-miR-1207-5p;Derives_from=MI0006340
NovelMiR_KnownLoci_ID0017807	8_+_129061399_129061420	CAGGGCTGGCAGGGAGGCTGGG	44985	hsa-miR-1207-5p;Derives_from=MI0006340
NovelMiR_KnownLoci_ID0017808	8_+_129061408_129061431	CAGGGAGGCTGGGAGGGGCTGGCT	44986	hsa-miR-1207-5p;Derives_from=MI0006340
NovelMiR_KnownLoci_ID0017809	8_+_129061443_129061458	TGGGCATCAGCTGGCC	44987	hsa-miR-1207-3p;Derives_from=MI0006340
NovelMiR_KnownLoci_ID0017810	8_+_129061453_129061472	CTGGCCCTCATTTCTTAAGA	44988	hsa-miR-1207-3p;Derives_from=MI0006340
NovelMiR_KnownLoci_ID0017811	8_-_130496314_130496334	ATCTGTAAGAGAAAGTAAATG	44989	hsa-miR-3686;Derives_from=MI0016087
NovelMiR_KnownLoci_ID0017812	8_-_130496315_130496336	TGATCTGTAAGAGAAAGTAAAT	44990	hsa-miR-3686;Derives_from=MI0016087

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017813	8_-_130496316_130496336	TGATCTGTAAGAGAAAGTAAA	44991	hsa-miR-3686;Derives_from=MI0016087
NovelMiR_KnownLoci_ID0017814	8_-_130496319_130496340	ACAGTGATCTGTAAGAGAAAGT	44992	hsa-miR-3686;Derives_from=MI0016087
NovelMiR_KnownLoci_ID0017815	8_-_131020603_131020629	TCTGAGGGGTTTGGAATGGGATGG CAG	44993	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017816	8_-_131020605_131020627	TGAGGGGTTTGGAATGGGATGGC	44994	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017817	8_-_131020605_131020629	TCTGAGGGGTTTGGAATGGGATGG C	44995	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017818	8_-_131020606_131020629	TCTGAGGGGTTTGGAATGGGATGG	44996	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017819	8_-_131020607_131020627	TGAGGGGTTTGGAATGGGATG	44997	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017820	8_-_131020608_131020629	TCTGAGGGGTTTGGAATGGGAT	44998	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017821	8_-_131020609_131020627	TGAGGGGTTTGGAATGGGA	44999	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017822	8_-_131020610_131020629	TCTGAGGGGTTTGGAATGGG	45000	hsa-miR-5194;Derives_from=MI0018173
NovelMiR_KnownLoci_ID0017823	8_-_134058738_134058761	CTACCCTCGGTCTGCTTACCACAC	45001	hsa-miR-7848-3p;Derives_from=MI0025518
NovelMiR_KnownLoci_ID0017824	8_-_134058739_134058760	TACCCTCGGTCTGCTTACCACA	45002	hsa-miR-7848-3p;Derives_from=MI0025518
NovelMiR_KnownLoci_ID0017825	8_-_134058740_134058761	CTACCCTCGGTCTGCTTACCAC	45003	hsa-miR-7848-3p;Derives_from=MI0025518
NovelMiR_KnownLoci_ID0017826	8_-_134058741_134058761	CTACCCTCGGTCTGCTTACCA	45004	hsa-miR-7848-3p;Derives_from=MI0025518
NovelMiR_KnownLoci_ID0017827	8_-_134058742_134058761	CTACCCTCGGTCTGCTTACC	45005	hsa-miR-7848-3p;Derives_from=MI0025518
NovelMiR_KnownLoci_ID0017828	8_-_134058742_134058763	TGCTACCCTCGGTCTGCTTACC	45006	hsa-miR-7848-3p;Derives_from=MI0025518

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017829	8_-_135812772_135812795	TGGGAGGTGGATGTTTACTTCAGC	45007	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017830	8_-_135812772_135812796	CTGGGAGGTGGATGTTTACTTCAGC	45008	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017831	8_-_135812773_135812796	CTGGGAGGTGGATGTTTACTTCAG	45009	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017832	8_-_135812774_135812796	CTGGGAGGTGGATGTTTACTTCA	45010	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017833	8_-_135812776_135812796	CTGGGAGGTGGATGTTTACTT	45011	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017834	8_-_135812777_135812796	CTGGGAGGTGGATGTTTACT	45012	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017835	8_-_135812779_135812796	CTGGGAGGTGGATGTTTA	45013	hsa-miR-30b-3p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017836	8_-_135812811_135812834	TGTAAACATCCTACACTCAGCTGT	45014	hsa-miR-30b-5p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017837	8_-_135812812_135812834	TGTAAACATCCTACACTCAGCTG	45015	hsa-miR-30b-5p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017838	8_-_135812813_135812833	GTAAACATCCTACACTCAGCT	45016	hsa-miR-30b-5p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017839	8_-_135812814_135812834	TGTAAACATCCTACACTCAGC	45017	hsa-miR-30b-5p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017840	8_-_135812815_135812834	TGTAAACATCCTACACTCAG	45018	hsa-miR-30b-5p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017841	8_-_135812816_135812834	TGTAAACATCCTACACTCA	45019	hsa-miR-30b-5p;Derives_from=MI0000441
NovelMiR_KnownLoci_ID0017842	8_-_135817117_135817143	CTTTCAGTCAGATGTTTGCTGCTA CCG	45020	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017843	8_-_135817118_135817142	TTTCAGTCAGATGTTTGCTGCTAC C	45021	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017844	8_-_135817118_135817143	CTTTCAGTCAGATGTTTGCTGCTA CC	45022	hsa-miR-30d-3p;Derives_from=MI0000255

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017845	8_-_135817120_135817142	TTTCAGTCAGATGTTTGCTGCTA	45023	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017846	8_-_135817120_135817143	CTTTCAGTCAGATGTTTGCTGCTA	45024	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017847	8_-_135817121_135817142	TTTCAGTCAGATGTTTGCTGCT	45025	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017848	8_-_135817121_135817143	CTTTCAGTCAGATGTTTGCTGCT	45026	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017849	8_-_135817122_135817142	TTTCAGTCAGATGTTTGCTGC	45027	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017850	8_-_135817122_135817148	CTAAGCTTTCAGTCAGATGTTTGCTGC	45028	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017851	8_-_135817123_135817142	TTTCAGTCAGATGTTTGCTG	45029	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017852	8_-_135817123_135817143	CTTTCAGTCAGATGTTTGCTG	45030	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017853	8_-_135817124_135817143	CTTTCAGTCAGATGTTTGCT	45031	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017854	8_-_135817125_135817149	GCTAAGCTTTCAGTCAGATGTTTGC	45032	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017855	8_-_135817127_135817147	TAAGCTTTCAGTCAGATGTTT	45033	hsa-miR-30d-3p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017856	8_-_135817159_135817183	TGTAAACATCCCCGACTGGAAGCTG	45034	hsa-miR-30d-5p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017857	8_-_135817160_135817183	TGTAAACATCCCCGACTGGAAGCT	45035	hsa-miR-30d-5p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017858	8_-_135817161_135817183	TGTAAACATCCCCGACTGGAAGC	45036	hsa-miR-30d-5p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017859	8_-_135817163_135817183	TGTAAACATCCCCGACTGGAA	45037	hsa-miR-30d-5p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017860	8_-_135817164_135817183	TGTAAACATCCCCGACTGGA	45038	hsa-miR-30d-5p;Derives_from=MI0000255

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017861	8_-_135817165_135817183	TGTAAACATCCCCGACTGG	45039	hsa-miR-30d-5p;Derives_from=MI0000255
NovelMiR_KnownLoci_ID0017862	8_-_141742683_141742706	CTAGACTGAAGCTCCTTGAGGACA	45040	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017863	8_-_141742684_141742702	ACTGAAGCTCCTTGAGGAC	45041	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017864	8_-_141742684_141742704	AGACTGAAGCTCCTTGAGGAC	45042	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017865	8_-_141742684_141742706	CTAGACTGAAGCTCCTTGAGGAC	45043	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017866	8_-_141742684_141742707	ACTAGACTGAAGCTCCTTGAGGAC	45044	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017867	8_-_141742684_141742708	TACTAGACTGAAGCTCCTTGAGGAC	45045	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017868	8_-_141742685_141742702	ACTGAAGCTCCTTGAGGA	45046	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017869	8_-_141742685_141742706	CTAGACTGAAGCTCCTTGAGGA	45047	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017870	8_-_141742685_141742708	TACTAGACTGAAGCTCCTTGAGGA	45048	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017871	8_-_141742686_141742708	TACTAGACTGAAGCTCCTTGAGG	45049	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017872	8_-_141742687_141742708	TACTAGACTGAAGCTCCTTGAG	45050	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017873	8_-_141742689_141742708	TACTAGACTGAAGCTCCTTG	45051	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017874	8_-_141742690_141742708	TACTAGACTGAAGCTCCTT	45052	hsa-miR-151a-3p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017875	8_-_141742716_141742742	TCGAGGAGCTCACAGTCTAGTATGTCT	45053	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017876	8_-_141742717_141742742	TCGAGGAGCTCACAGTCTAGTATGTC	45054	hsa-miR-151a-5p;Derives_from=MI0000809

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017877	8_-_141742718_141742742	TCGAGGAGCTCACAGTCTAGTATG T	45055	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017878	8_-_141742719_141742740	GAGGAGCTCACAGTCTAGTATG	45056	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017879	8_-_141742719_141742741	CGAGGAGCTCACAGTCTAGTATG	45057	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017880	8_-_141742719_141742742	TCGAGGAGCTCACAGTCTAGTATG	45058	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017881	8_-_141742719_141742743	CTCGAGGAGCTCACAGTCTAGTAT G	45059	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017882	8_-_141742720_141742741	CGAGGAGCTCACAGTCTAGTAT	45060	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017883	8_-_141742720_141742742	TCGAGGAGCTCACAGTCTAGTAT	45061	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017884	8_-_141742720_141742743	CTCGAGGAGCTCACAGTCTAGTAT	45062	hsa-miR-151a-5p;Derives_from=MI0000809
NovelMiR_KnownLoci_ID0017885	8_-_144815255_144815280	CTTCCGGTCTGTGAGCCCCGTCCT CC	45063	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017886	8_-_144815256_144815279	TTCCGGTCTGTGAGCCCCGTCCTC	45064	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017887	8_-_144815256_144815280	CTTCCGGTCTGTGAGCCCCGTCCT C	45065	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017888	8_-_144815257_144815278	TCCGGTCTGTGAGCCCCGTCCT	45066	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017889	8_-_144815258_144815278	TCCGGTCTGTGAGCCCCGTCC	45067	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017890	8_-_144815258_144815279	TTCCGGTCTGTGAGCCCCGTCC	45068	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017891	8_-_144815258_144815280	CTTCCGGTCTGTGAGCCCCGTCC	45069	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017892	8_-_144815259_144815282	GACTTCCGGTCTGTGAGCCCCGTC	45070	hsa-miR-4664-3p;Derives_from=MI0017294

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017893	8_-_144815260_144815280	CTTCCGGTCTGTGAGCCCCGT	45071	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017894	8_-_144815265_144815280	CTTCCGGTCTGTGAGC	45072	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017895	8_-_144815265_144815286	GAGCGACTTCCGGTCTGTGAGC	45073	hsa-miR-4664-3p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017896	8_-_144815289_144815314	TGGGGTGCCCACTCCGCAAGTTAT CA	45074	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017897	8_-_144815290_144815314	TGGGGTGCCCACTCCGCAAGTTAT C	45075	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017898	8_-_144815291_144815314	TGGGGTGCCCACTCCGCAAGTTAT	45076	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017899	8_-_144815292_144815314	TGGGGTGCCCACTCCGCAAGTTA	45077	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017900	8_-_144815293_144815313	GGGGTGCCCACTCCGCAAGTT	45078	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017901	8_-_144815294_144815314	TGGGGTGCCCACTCCGCAAGT	45079	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017902	8_-_144815295_144815314	TGGGGTGCCCACTCCGCAAG	45080	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017903	8_-_144815296_144815314	TGGGGTGCCCACTCCGCAA	45081	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017904	8_-_144815297_144815314	TGGGGTGCCCACTCCGCA	45082	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017905	8_-_144815298_144815314	TGGGGTGCCCACTCCGC	45083	hsa-miR-4664-5p;Derives_from=MI0017294
NovelMiR_KnownLoci_ID0017906	8_-_144895137_144895161	TCCGCGCTCTGACTCTCTGCCCAC C	45084	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017907	8_-_144895138_144895161	TCCGCGCTCTGACTCTCTGCCCAC	45085	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017908	8_-_144895138_144895162	ATCCGCGCTCTGACTCTCTGCCCA C	45086	hsa-miR-937-3p;Derives_from=MI0005759

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017909	8_-_144895139_144895161	TCCGCGCTCTGACTCTCTGCCCA	45087	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017910	8_-_144895139_144895162	ATCCGCGCTCTGACTCTCTGCCCA	45088	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017911	8_-_144895140_144895162	ATCCGCGCTCTGACTCTCTGCCC	45089	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017912	8_-_144895142_144895159	CGCGCTCTGACTCTCTGC	45090	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017913	8_-_144895142_144895162	ATCCGCGCTCTGACTCTCTGC	45091	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017914	8_-_144895142_144895163	CATCCGCGCTCTGACTCTCTGC	45092	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017915	8_-_144895142_144895165	CCCATCCGCGCTCTGACTCTCTGC	45093	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017916	8_-_144895143_144895162	ATCCGCGCTCTGACTCTCTG	45094	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017917	8_-_144895144_144895162	ATCCGCGCTCTGACTCTCT	45095	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017918	8_-_144895144_144895165	CCCATCCGCGCCTCTGACTCTCT	45096	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017919	8_-_144895145_144895162	ATCCGCGCTCTGACTCTC	45097	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017920	8_-_144895145_144895165	CCCATCCGCGCTCTGACTCTC	45098	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017921	8_-_144895146_144895165	CCCATCCGCGCTCTGACTCT	45099	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017922	8_-_144895147_144895162	ATCCGCGCTCTGACTC	45100	hsa-miR-937-3p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017923	8_-_144895174_144895199	GTGAGTCAGGGTGGGGCTGGCCCCCT	45101	hsa-miR-937-5p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017924	8_-_144895175_144895199	GTGAGTCAGGGTGGGGCTGGCCCCC	45102	hsa-miR-937-5p;Derives_from=MI0005759

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017925	8_-_144895176_144895199	GTGAGTCAGGGTGGGGCTGGCCCC	45103	hsa-miR-937-5p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017926	8_-_144895177_144895199	GTGAGTCAGGGTGGGGCTGGCCC	45104	hsa-miR-937-5p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017927	8_-_144895178_144895199	GTGAGTCAGGGTGGGGCTGGCC	45105	hsa-miR-937-5p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017928	8_-_144895179_144895199	GTGAGTCAGGGTGGGGCTGGC	45106	hsa-miR-937-5p;Derives_from=MI0005759
NovelMiR_KnownLoci_ID0017929	8_-_144919924_144919948	CCTCTCCTCCCTGTGCCCCAGGAGT	45107	hsa-miR-6845-3p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017930	8_-_144919926_144919948	CCTCTCCTCCCTGTGCCCCAGGA	45108	hsa-miR-6845-3p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017931	8_-_144919927_144919948	CCTCTCCTCCCTGTGCCCCAGG	45109	hsa-miR-6845-3p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017932	8_-_144919929_144919948	CCTCTCCTCCCTGTGCCCCA	45110	hsa-miR-6845-3p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017933	8_-_144919959_144919983	CGGGGCCAGAGCAGAGAGCCCTTGC	45111	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017934	8_-_144919960_144919983	CGGGGCCAGAGCAGAGAGCCCTTG	45112	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017935	8_-_144919961_144919983	CGGGGCCAGAGCAGAGAGCCCTT	45113	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017936	8_-_144919961_144919985	TGCGGGGCCAGAGCAGAGAGCCCTT	45114	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017937	8_-_144919962_144919984	GCGGGGCCAGAGCAGAGAGCCCT	45115	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017938	8_-_144919963_144919985	TGCGGGGCCAGAGCAGAGAGCCC	45116	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017939	8_-_144919964_144919983	CGGGGCCAGAGCAGAGAGCC	45117	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017940	8_-_144919964_144919985	TGCGGGGCCAGAGCAGAGAGCC	45118	hsa-miR-6845-5p;Derives_from=MI0022691

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017941	8_-_144919965_144919984	GCGGGGCCAGAGCAGAGAGC	45119	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017942	8_-_144919966_144919983	CGGGGCCAGAGCAGAGAG	45120	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017943	8_-_144919966_144919985	TGCGGGGCCAGAGCAGAGAG	45121	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017944	8_-_144919966_144919987	ACTGCGGGGCCAGAGCAGAGAG	45122	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017945	8_-_144919967_144919984	GCGGGGCCAGAGCAGAGA	45123	hsa-miR-6845-5p;Derives_from=MI0022691
NovelMiR_KnownLoci_ID0017946	8_-_145019376_145019397	TGCCTGGGTCTCTGGCCTGCGC	45124	hsa-miR-661;Derives_from=MI0003669
NovelMiR_KnownLoci_ID0017947	8_-_145019376_145019400	GGCTGCCTGGGTCTCTGGCCTGCGC	45125	hsa-miR-661;Derives_from=MI0003669
NovelMiR_KnownLoci_ID0017948	8_-_145019388_145019403	TCGGGCTGCCTGGGTC	45126	hsa-miR-661;Derives_from=MI0003669
NovelMiR_KnownLoci_ID0017949	8_-_145112218_145112241	CCCCTTCTGTCTCCCTAGGCAAGA	45127	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017950	8_-_145112222_145112244	TGACCCCTTCTGTCTCCCTAGGC	45128	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017951	8_-_145112223_145112244	TGACCCCTTCTGTCTCCCTAGG	45129	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017952	8_-_145112223_145112245	CTGACCCCTTCTGTCTCCCTAGG	45130	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017953	8_-_145112224_145112243	GACCCCTTCTGTCTCCCTAG	45131	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017954	8_-_145112224_145112245	CTGACCCCTTCTGTCTCCCTAG	45132	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017955	8_-_145112225_145112247	CACTGACCCCTTCTGTCTCCCTA	45133	hsa-miR-6846-3p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017956	8_-_145112255_145112278	TGGGGGCTGGATGGGGTAGAGTAG	45134	hsa-miR-6846-5p;Derives_from=MI0022692

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017957	8_-_145112255_145112280	GCTGGGGGCTGGATGGGGTAGAGT AG	45135	hsa-miR-6846-5p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017958	8_-_145112256_145112278	TGGGGGCTGGATGGGGTAGAGTA	45136	hsa-miR-6846-5p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017959	8_-_145112257_145112279	CTGGGGGCTGGATGGGGTAGAGT	45137	hsa-miR-6846-5p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017960	8_-_145112257_145112280	GCTGGGGGCTGGATGGGGTAGAGT	45138	hsa-miR-6846-5p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017961	8_-_145112258_145112278	TGGGGGCTGGATGGGGTAGAG	45139	hsa-miR-6846-5p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017962	8_-_145112258_145112279	CTGGGGGCTGGATGGGGTAGAG	45140	hsa-miR-6846-5p;Derives_from=MI0022692
NovelMiR_KnownLoci_ID0017963	8_+_145134776_145134797	AGACCCACAGAGGACAGTGGAG	45141	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017964	8_+_145134781_145134801	CACAGAGGACAGTGGAGTGTG	45142	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017965	8_+_145134781_145134802	CACAGAGGACAGTGGAGTGTGA	45143	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017966	8_+_145134781_145134803	CACAGAGGACAGTGGAGTGTGAG	45144	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017967	8_+_145134781_145134804	CACAGAGGACAGTGGAGTGTGAGC	45145	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017968	8_+_145134781_145134805	CACAGAGGACAGTGGAGTGTGAGC T	45146	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017969	8_+_145134782_145134800	ACAGAGGACAGTGGAGTGT	45147	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017970	8_+_145134782_145134801	ACAGAGGACAGTGGAGTGTG	45148	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017971	8_+_145134782_145134802	ACAGAGGACAGTGGAGTGTGA	45149	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017972	8_+_145134782_145134803	ACAGAGGACAGTGGAGTGTGAG	45150	hsa-miR-6847-5p;Derives_from=MI0022693

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017973	8_+_145134782_145134805	ACAGAGGACAGTGGAGTGTGAGCT	45151	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017974	8_+_145134782_145134806	ACAGAGGACAGTGGAGTGTGAGCTG	45152	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017975	8_+_145134782_145134807	ACAGAGGACAGTGGAGTGTGAGCTGG	45153	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017976	8_+_145134783_145134803	CAGAGGACAGTGGAGTGTGAG	45154	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017977	8_+_145134783_145134804	CAGAGGACAGTGGAGTGTGAGC	45155	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017978	8_+_145134783_145134805	CAGAGGACAGTGGAGTGTGAGCT	45156	hsa-miR-6847-5p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017979	8_+_145134821_145134838	GGCTCATGTGTCTGTCCT	45157	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017980	8_+_145134821_145134840	GGCTCATGTGTCTGTCCTCT	45158	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017981	8_+_145134821_145134841	GGCTCATGTGTCTGTCCTCTT	45159	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017982	8_+_145134821_145134843	GGCTCATGTGTCTGTCCTCTTCC	45160	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017983	8_+_145134823_145134843	CTCATGTGTCTGTCCTCTTCC	45161	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017984	8_+_145134823_145134844	CTCATGTGTCTGTCCTCTTCCA	45162	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017985	8_+_145134824_145134846	TCATGTGTCTGTCCTCTTCCAGA	45163	hsa-miR-6847-3p;Derives_from=MI0022693
NovelMiR_KnownLoci_ID0017986	8_-_145540913_145540933	TGGTCTCTTGGCCCCCAGGAA	45164	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017987	8_-_145540913_145540934	GTGGTCTCTTGGCCCCCAGGAA	45165	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017988	8_-_145540914_145540934	GTGGTCTCTTGGCCCCCAGGA	45166	hsa-miR-6848-3p;Derives_from=MI0022694

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0017989	8_-_145540915_145540934	GTGGTCTCTTGGCCCCCAGG	45167	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017990	8_-_145540915_145540935	TGTGGTCTCTTGGCCCCCAGG	45168	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017991	8_-_145540915_145540936	CTGTGGTCTCTTGGCCCCCAGG	45169	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017992	8_-_145540916_145540937	CCTGTGGTCTCTTGGCCCCCAG	45170	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017993	8_-_145540921_145540940	CCCCCTGTGGTCTCTTGGCC	45171	hsa-miR-6848-3p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017994	8_-_145540945_145540968	GCTGGGATGGGCCATGGTGTGCTC	45172	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017995	8_-_145540949_145540973	TGGGGGCTGGGATGGGCCATGGTGT	45173	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017996	8_-_145540949_145540975	CCTGGGGGCTGGGATGGGCCATGGTGT	45174	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017997	8_-_145540949_145540976	CCCTGGGGGCTGGGATGGGCCATGGTGT	45175	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017998	8_-_145540950_145540972	GGGGGCTGGGATGGGCCATGCTG	45176	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0017999	8_-_145540950_145540973	TGGGGGCTGGGATGGGCCATGGTG	45177	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0018000	8_-_145540950_145540974	CTGGGGGCTGGGATGGGCCATGGTG	45178	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0018001	8_-_145540951_145540974	CTGGGGGCTGGGATGGGCCATGGT	45179	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0018002	8_-_145540951_145540975	CCTGGGGGCTGGGATGGGCCATGGT	45180	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0018003	8_-_145540952_145540973	TGGGGGCTGGGATGGGCCATGG	45181	hsa-miR-6848-5p;Derives_from=MI0022694
NovelMiR_KnownLoci_ID0018004	8_-_145540953_145540973	TGGGGGCTGGGATGGGCCATG	45182	hsa-miR-6848-5p;Derives_from=MI0022694

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018005	8_-_145619370_145619395	CCTGGGCCTCTGCTCCCCAGTGTC TG	45183	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018006	8_-_145619372_145619393	TGGGCCTCTGCTCCCCAGTGTC	45184	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018007	8_-_145619372_145619394	CTGGGCCTCTGCTCCCCAGTGTC	45185	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018008	8_-_145619372_145619396	CCCTGGGCCTCTGCTCCCCAGTGT C	45186	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018009	8_-_145619373_145619394	CTGGGCCTCTGCTCCCCAGTGT	45187	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018010	8_-_145619374_145619394	CTGGGCCTCTGCTCCCCAGTG	45188	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018011	8_-_145619374_145619395	CCTGGGCCTCTGCTCCCCAGTG	45189	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018012	8_-_145619374_145619396	CCCTGGGCCTCTGCTCCCCAGTG	45190	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018013	8_-_145619375_145619394	CTGGGCCTCTGCTCCCCAGT	45191	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018014	8_-_145619375_145619396	CCCTGGGCCTCTGCTCCCCAGT	45192	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018015	8_-_145619376_145619394	CTGGGCCTCTGCTCCCCAG	45193	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018016	8_-_145619377_145619394	CTGGGCCTCTGCTCCCCA	45194	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018017	8_-_145619377_145619395	CCTGGGCCTCTGCTCCCCA	45195	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018018	8_-_145619377_145619396	CCCTGGGCCTCTGCTCCCCA	45196	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018019	8_-_145619378_145619395	CCTGGGCCTCTGCTCCCC	45197	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018020	8_-_145619378_145619396	CCCTGGGCCTCTGCTCCCC	45198	hsa-miR-939-3p;Derives_from=MI0005761

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018021	8_-_145619379_145619396	CCCTGGGCCTCTGCTCCC	45199	hsa-miR-939-3p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018022	8_-_145619405_145619431	TGGGGAGCTGAGGCTCTGGGGGTGGCC	45200	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018023	8_-_145619405_145619432	CTGGGGAGCTGAGGCTCTGGGGGTGGCC	45201	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018024	8_-_145619407_145619431	TGGGGAGCTGAGGCTCTGGGGGTGG	45202	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018025	8_-_145619407_145619432	CTGGGGAGCTGAGGCTCTGGGGGTGG	45203	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018026	8_-_145619407_145619433	CCTGGGGAGCTGAGGCTCTGGGGGTGG	45204	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018027	8_-_145619409_145619431	TGGGGAGCTGAGGCTCTGGGGGT	45205	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018028	8_-_145619409_145619432	CTGGGGAGCTGAGGCTCTGGGGGT	45206	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018029	8_-_145619409_145619433	CCTGGGGAGCTGAGGCTCTGGGGGT	45207	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018030	8_-_145619409_145619435	GCCCTGGGGAGCTGAGGCTCTGGGGGT	45208	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018031	8_-_145619410_145619429	GGGAGCTGAGGCTCTGGGGG	45209	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018032	8_-_145619410_145619430	GGGGAGCTGAGGCTCTGGGGG	45210	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018033	8_-_145619410_145619431	TGGGGAGCTGAGGCTCTGGGGG	45211	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018034	8_-_145619410_145619433	CCTGGGGAGCTGAGGCTCTGGGGG	45212	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018035	8_-_145619410_145619434	CCCTGGGGAGCTGAGGCTCTGGGGG	45213	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018036	8_-_145619411_145619433	CCTGGGGAGCTGAGGCTCTGGGG	45214	hsa-miR-939-5p;Derives_from=MI0005761

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018037	8_-_145619411_145619434	CCCTGGGGAGCTGAGGCTCTGGGG	45215	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018038	8_-_145619412_145619433	CCTGGGGAGCTGAGGCTCTGGG	45216	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018039	8_-_145619412_145619434	CCCTGGGGAGCTGAGGCTCTGGC	45217	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018040	8_-_145619413_145619433	CCTGGGGAGCTGAGGCTCTGG	45218	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018041	8_-_145619413_145619434	CCCTGGGGAGCTGAGGCTCTGG	45219	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018042	8_-_145619415_145619434	CCCTGGGGAGCTGAGGCTCT	45220	hsa-miR-939-5p;Derives_from=MI0005761
NovelMiR_KnownLoci_ID0018043	8_-_145625475_145625499	TCGGCCTGACCACCCACCCCACAGG	45221	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018044	8_-_145625476_145625499	TCGGCCTGACCACCCACCCCACAG	45222	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018045	8_-_145625477_145625498	CGGCCTGACCACCCACCCCACA	45223	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018046	8_-_145625477_145625499	TCGGCCTGACCACCCACCCCACA	45224	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018047	8_-_145625478_145625498	CGGCCTGACCACCCACCCCAC	45225	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018048	8_-_145625479_145625499	TCGGCCTGACCACCCACCCCA	45226	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018049	8_-_145625480_145625499	TCGGCCTGACCACCCACCCC	45227	hsa-miR-1234-3p;Derives_from=MI0006324
NovelMiR_KnownLoci_ID0018050	8_-_145625668_145625691	CCAGCCTGTGTCCACCTCCAGGTG	45228	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018051	8_-_145625668_145625692	ACCAGCCTGTGTCCACCTCCAGGTG	45229	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018052	8_-_145625669_145625691	CCAGCCTGTGTCCACCTCCAGGT	45230	hsa-miR-6849-3p;Derives_from=MI0022695

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018053	8_-_145625669_145625692	ACCAGCCTGTGTCCACCTCCAGGT	45231	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018054	8_-_145625670_145625691	CCAGCCTGTGTCCACCTCCAGG	45232	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018055	8_-_145625670_145625692	ACCAGCCTGTGTCCACCTCCAGG	45233	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018056	8_-_145625671_145625695	CCCACCAGCCTGTGTCCACCTCCAG	45234	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018057	8_-_145625672_145625692	ACCAGCCTGTGTCCACCTCCA	45235	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018058	8_-_145625673_145625692	ACCAGCCTGTGTCCACCTCC	45236	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018059	8_-_145625673_145625695	CCCACCAGCCTGTGTCCACCTCC	45237	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018060	8_-_145625674_145625692	ACCAGCCTGTGTCCACCTC	45238	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018061	8_-_145625674_145625695	CCCACCAGCCTGTGTCCACCTC	45239	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018062	8_-_145625676_145625695	CCCACCAGCCTGTGTCCACC	45240	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018063	8_-_145625677_145625695	CCCACCAGCCTGTGTCCAC	45241	hsa-miR-6849-3p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018064	8_-_145625706_145625722	GAGTGTGTGGAGAGAGC	45242	hsa-miR-6849-5p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018065	8_-_145625710_145625733	AGTGGATAGGGGAGTGTGTGGAGA	45243	hsa-miR-6849-5p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018066	8_-_145625711_145625733	AGTGGATAGGGGAGTGTGTGGAG	45244	hsa-miR-6849-5p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018067	8_-_145625712_145625733	AGTGGATAGGGGAGTGTGTGGA	45245	hsa-miR-6849-5p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018068	8_-_145625713_145625733	AGTGGATAGGGGAGTGTGTGG	45246	hsa-miR-6849-5p;Derives_from=MI0022695

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018069	8_-_145625715_145625736	GGGAGTGGATAGGGGAGTGTGT	45247	hsa-miR-6849-5p;Derives_from=MI0022695
NovelMiR_KnownLoci_ID0018070	8_-_145660931_145660955	CCCTGCTGCCTTCACCTGCCAGGGT	45248	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018071	8_-_145660932_145660955	CCCTGCTGCCTTCACCTGCCAGGG	45249	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018072	8_-_145660933_145660955	CCCTGCTGCCTTCACCTGCCAGG	45250	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018073	8_-_145660933_145660956	GCCCTGCTGCCTTCACCTGCCAGG	45251	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018074	8_-_145660933_145660958	CAGCCCTGCTGCCTTCACCTGCCAGG	45252	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018075	8_-_145660935_145660955	CCCTGCTGCCTTCACCTGCCA	45253	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018076	8_-_145660936_145660955	CCCTGCTGCCTTCACCTGCC	45254	hsa-miR-6893-3p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018077	8_-_145660972_145660997	CAGGCAGGTGTAGGGTGGAGCCCACT	45255	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018078	8_-_145660975_145660996	AGGCAGGTGTAGGGTGGAGCCC	45256	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018079	8_-_145660975_145660997	CAGGCAGGTGTAGGGTGGAGCCC	45257	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018080	8_-_145660976_145660996	AGGCAGGTGTAGGGTGGAGCC	45258	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018081	8_-_145660976_145660997	CAGGCAGGTGTAGGGTGGAGCC	45259	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018082	8_-_145660977_145660996	AGGCAGGTGTAGGGTGGAGC	45260	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018083	8_-_145660978_145660997	CAGGCAGGTGTAGGGTGGAG	45261	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018084	8_-_145660979_145660996	AGGCAGGTGTAGGGTGGA	45262	hsa-miR-6893-5p;Derives_from=MI0022740

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018085	8_-_145660980_145660997	CAGGCAGGTGTAGGGTGG	45263	hsa-miR-6893-5p;Derives_from=MI0022740
NovelMiR_KnownLoci_ID0018086	8_-_146017314_146017334	CCGGAACGCCGCACTCACGCC	45264	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018087	8_-_146017316_146017338	CCGGCCGGAACGCCGCACTCACG	45265	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018088	8_-_146017318_146017334	CCGGAACGCCGCACTCA	45266	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018089	8_-_146017318_146017335	GCCGGAACGCCGCACTCA	45267	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018090	8_-_146017318_146017338	CCGGCCGGAACGCCGCACTCA	45268	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018091	8_-_146017318_146017339	CCCGGCCGGAACGCCGCACTCA	45269	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018092	8_-_146017319_146017334	CCGGAACGCCGCACTC	45270	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018093	8_-_146017319_146017339	CCCGGCCGGAACGCCGCACTC	45271	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018094	8_-_146017323_146017345	GGGACGCCCGGCCGGAACGCCGC	45272	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018095	8_-_146017328_146017345	GGGACGCCCGGCCGGAAC	45273	hsa-miR-6850-3p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018096	8_-_146017349_146017365	TGGCCGGGGCGGGAGGG	45274	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018097	8_-_146017349_146017368	CGCTGGCCGGGGCGGGAGGG	45275	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018098	8_-_146017354_146017376	GTGCGGAACGCTGGCCGGGGCGG	45276	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018099	8_-_146017356_146017373	CGGAACGCTGGCCGGGGC	45277	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018100	8_-_146017356_146017376	GTGCGGAACGCTGGCCGGGGC	45278	hsa-miR-6850-5p;Derives_from=MI0022696

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018101	8_-_146017357_146017376	GTGCGGAACGCTGGCCGGGG	45279	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018102	8_-_146017358_146017376	GTGCGGAACGCTGGCCGGG	45280	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018103	8_-_146017359_146017376	GTGCGGAACGCTGGCCGG	45281	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018104	8_-_146017360_146017376	GTGCGGAACGCTGGCCG	45282	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018105	8_-_146017363_146017382	GTCAAGGTGCGGAACGCTGG	45283	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018106	8_-_146017366_146017382	GTCAAGGTGCGGAACGC	45284	hsa-miR-6850-5p;Derives_from=MI0022696
NovelMiR_KnownLoci_ID0018107	8_-_14710949_14710971	CACAGCACTGCCTGGTCAGAAAG	45285	hsa-miR-383-3p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018108	8_-_14710950_14710972	CCACAGCACTGCCTGGTCAGAAA	45286	hsa-miR-383-3p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018109	8_-_14710951_14710972	CCACAGCACTGCCTGGTCAGAA	45287	hsa-miR-383-3p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018110	8_-_14710952_14710972	CCACAGCACTGCCTGGTCAGA	45288	hsa-miR-383-3p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018111	8_-_14710953_14710972	CCACAGCACTGCCTGGTCAG	45289	hsa-miR-383-3p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018112	8_-_14710986_14711004	GGTGATTGTGGCTTCGGGT	45290	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018113	8_-_14710989_14711012	GATCAGAAGGTGATTGTGGCTTTG	45291	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018114	8_-_14710989_14711013	AGATCAGAAGGTGATTGTGGCTTTG	45292	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018115	8_-_14710990_14711013	AGATCAGAAGGTGATTGTGGCTTT	45293	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018116	8_-_14710991_14711013	AGATCAGAAGGTGATTGTGGCTT	45294	hsa-miR-383-5p;Derives_from=MI0000791

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018117	8_-_14710991_14711014	CAGATCAGAAGGTGATTGTGGCTT	45295	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018118	8_-_14710992_14711014	CAGATCAGAAGGTGATTGTGGCT	45296	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018119	8_-_14710993_14711014	CAGATCAGAAGGTGATTGTGGC	45297	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018120	8_-_14710994_14711013	AGATCAGAAGGTGATTGTGG	45298	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018121	8_-_14710994_14711014	CAGATCAGAAGGTGATTGTGG	45299	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018122	8_-_14710995_14711013	AGATCAGAAGGTGATTGTG	45300	hsa-miR-383-5p;Derives_from=MI0000791
NovelMiR_KnownLoci_ID0018123	8_-_17539092_17539118	AGCTACAGTTACTTTTGCACCAGCCTA	45301	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018124	8_-_17539095_17539118	AGCTACAGTTACTTTTGCACCAGC	45302	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018125	8_-_17539095_17539119	AAGCTACAGTTACTTTTGCACCAGC	45303	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018126	8_-_17539095_17539120	AAAGCTACAGTTACTTTTGCACCAGC	45304	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018127	8_-_17539096_17539118	AGCTACAGTTACTTTTGCACCAG	45305	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018128	8_-_17539098_17539118	AGCTACAGTTACTTTTGCACC	45306	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018129	8_-_17539098_17539119	AAGCTACAGTTACTTTTGCACC	45307	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018130	8_-_17539098_17539120	AAAGCTACAGTTACTTTTGCACC	45308	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018131	8_-_17539099_17539118	AGCTACAGTTACTTTTGCAC	45309	hsa-miR-548v;Derives_from=MI0014174
NovelMiR_KnownLoci_ID0018132	8_-_17539099_17539120	AAAGCTACAGTTACTTTTGCAC	45310	hsa-miR-548v;Derives_from=MI0014174

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018133	8_+_1765406_1765421	TCTCCGAAGCCTGCCC	45311	hsa-miR-596;Derives_from=MI0003608
NovelMiR_KnownLoci_ID0018134	8_+_1765408_1765429	TCCGAAGCCTGCCCGGCTCCTC	45312	hsa-miR-596;Derives_from=MI0003608
NovelMiR_KnownLoci_ID0018135	8_+_1765412_1765431	AAGCCTGCCCGGCTCCTCGG	45313	hsa-miR-596;Derives_from=MI0003608
NovelMiR_KnownLoci_ID0018136	8_+_1765412_1765437	AAGCCTGCCCGGCTCCTCGGGAACCT	45314	hsa-miR-596;Derives_from=MI0003608
NovelMiR_KnownLoci_ID0018137	8_+_1765420_1765438	CCGGCTCCTCGGGAACCTG	45315	hsa-miR-596;Derives_from=MI0003608
NovelMiR_KnownLoci_ID0018138	8_+_2024671_2024687	CTGAGGTCCGGGCTGTG	45316	hsa-miR-7160-5p;Derives_from=MI0023621
NovelMiR_KnownLoci_ID0018139	8_+_2024699_2024723	ACAGGGCCCTGGCTTTAGCAGAATT	45317	hsa-miR-7160-3p;Derives_from=MI0023621
NovelMiR_KnownLoci_ID0018140	8_+_2024700_2024719	CAGGGCCCTGGCTTTAGCAG	45318	hsa-miR-7160-3p;Derives_from=MI0023621
NovelMiR_KnownLoci_ID0018141	8_+_2024700_2024723	CAGGGCCCTGGCTTTAGCAGAATT	45319	hsa-miR-7160-3p;Derives_from=MI0023621
NovelMiR_KnownLoci_ID0018142	8_-_22102485_22102509	AAAAGCTGGGTTGAGAGGGCGAAAA	45320	hsa-miR-320a;Derives_from=MI0000542
NovelMiR_KnownLoci_ID0018143	8_-_22102486_22102507	AAGCTGGGTTGAGAGGGCGAAA	45321	hsa-miR-320a;Derives_from=MI0000542
NovelMiR_KnownLoci_ID0018144	8_-_22102486_22102508	AAAGCTGGGTTGAGAGGGCGAAA	45322	hsa-miR-320a;Derives_from=MI0000542
NovelMiR_KnownLoci_ID0018145	8_-_22102486_22102509	AAAAGCTGGGTTGAGAGGGCGAAA	45323	hsa-miR-320a;Derives_from=MI0000542
NovelMiR_KnownLoci_ID0018146	8_-_22102487_22102509	AAAAGCTGGGTTGAGAGGGCGAA	45324	hsa-miR-320a;Derives_from=MI0000542
NovelMiR_KnownLoci_ID0018147	8_-_22102489_22102509	AAAAGCTGGGTTGAGAGGGCG	45325	hsa-miR-320a;Derives_from=MI0000542
NovelMiR_KnownLoci_ID0018148	8_-_24811309_24811330	ACCTTGCATCTGCATCCCCAGG	45326	hsa-miR-6841-3p;Derives_from=MI0022687

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018149	8_-_24811310_24811333	CTCACCTTGCATCTGCATCCCCAG	45327	hsa-miR-6841-3p;Derives_from=MI0022687
NovelMiR_KnownLoci_ID0018150	8_-_24811311_24811330	ACCTTGCATCTGCATCCCCA	45328	hsa-miR-6841-3p;Derives_from=MI0022687
NovelMiR_KnownLoci_ID0018151	8_-_24811350_24811373	GGTACTCAGAGCAAGTTGTGAAAC	45329	hsa-miR-6841-5p;Derives_from=MI0022687
NovelMiR_KnownLoci_ID0018152	8_-_24811353_24811376	TAGGGTACTCAGAGCAAGTTGTGA	45330	hsa-miR-6841-5p;Derives_from=MI0022687
NovelMiR_KnownLoci_ID0018153	8_-_24811355_24811375	AGGGTACTCAGAGCAAGTTGT	45331	hsa-miR-6841-5p;Derives_from=MI0022687
NovelMiR_KnownLoci_ID0018154	8_+_25202921_25202943	TGCAGGAAGGAGACAGGCAGTTC	45332	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018155	8_+_25202921_25202944	TGCAGGAAGGAGACAGGCAGTTCA	45333	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018156	8_+_25202922_25202946	GCAGGAAGGAGACAGGCAGTTCAGG	45334	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018157	8_+_25202923_25202942	CAGGAAGGAGACAGGCAGTT	45335	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018158	8_+_25202923_25202943	CAGGAAGGAGACAGGCAGTTC	45336	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018159	8_+_25202923_25202945	CAGGAAGGAGACAGGCAGTTCAG	45337	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018160	8_+_25202923_25202946	CAGGAAGGAGACAGGCAGTTCAGG	45338	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018161	8_+_25202924_25202942	AGGAAGGAGACAGGCAGTT	45339	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018162	8_+_25202924_25202944	AGGAAGGAGACAGGCAGTTCA	45340	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018163	8_+_25202924_25202945	AGGAAGGAGACAGGCAGTTCAG	45341	hsa-miR-6876-5p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018164	8_+_25202925_25202944	GGAAGGAGACAGGCAGTTCA	45342	hsa-miR-6876-5p;Derives_from=MI0022723

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018165	8_+_25202966_25202990	GAGCTGTCTGTGTTTTCCTTCTCAG	45343	hsa-miR-6876-3p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018166	8_+_25202967_25202987	AGCTGTCTGTGTTTTCCTTCT	45344	hsa-miR-6876-3p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018167	8_+_25202967_25202988	AGCTGTCTGTGTTTTCCTTCTC	45345	hsa-miR-6876-3p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018168	8_+_25202967_25202989	AGCTGTCTGTGTTTTCCTTCTCA	45346	hsa-miR-6876-3p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018169	8_+_25202967_25202991	AGCTGTCTGTGTTTTCCTTCTCAGA	45347	hsa-miR-6876-3p;Derives_from=MI0022723
NovelMiR_KnownLoci_ID0018170	8_+_27290889_27290912	CCCTGGGGGTGGTCTCTAGCCAAG	45348	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018171	8_+_27290889_27290913	CCCTGGGGGTGGTCTCTAGCCAAGG	45349	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018172	8_+_27290890_27290909	CCTGGGGGTGGTCTCTAGCC	45350	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018173	8_+_27290890_27290911	CCTGGGGGTGGTCTCTAGCCAA	45351	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018174	8_+_27290890_27290912	CCTGGGGGTGGTCTCTAGCCAAG	45352	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018175	8_+_27290890_27290913	CCTGGGGGTGGTCTCTAGCCAAGG	45353	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018176	8_+_27290890_27290916	CCTGGGGGTGGTCTCTAGCCAAGGCTC	45354	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018177	8_+_27290891_27290912	CTGGGGGTGGTCTCTAGCCAAG	45355	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018178	8_+_27290891_27290913	CTGGGGGTGGTCTCTAGCCAAGG	45356	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018179	8_+_27290891_27290914	CTGGGGGTGGTCTCTAGCCAAGGC	45357	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018180	8_+_27290891_27290915	CTGGGGGTGGTCTCTAGCCAAGGCT	45358	hsa-miR-6842-5p;Derives_from=MI0022688

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018181	8_+_27290891_27290916	CTGGGGGTGGTCTCTAGCCAAGGCTC	45359	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018182	8_+_27290892_27290908	TGGGGGTGGTCTCTAGC	45360	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018183	8_+_27290892_27290911	TGGGGGTGGTCTCTAGCCAA	45361	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018184	8_+_27290892_27290912	TGGGGGTGGTCTCTAGCCAAG	45362	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018185	8_+_27290892_27290914	TGGGGGTGGTCTCTAGCCAAGGC	45363	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018186	8_+_27290892_27290916	TGGGGGTGGTCTCTAGCCAAGGCTC	45364	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018187	8_+_27290893_27290914	GGGGGTGGTCTCTAGCCAAGGC	45365	hsa-miR-6842-5p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018188	8_+_27290930_27290947	TTGGCTGGTCTCTGCTCC	45366	hsa-miR-6842-3p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018189	8_+_27290930_27290949	TTGGCTGGTCTCTGCTCCGC	45367	hsa-miR-6842-3p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018190	8_+_27290930_27290950	TTGGCTGGTCTCTGCTCCGCA	45368	hsa-miR-6842-3p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018191	8_+_27290930_27290952	TTGGCTGGTCTCTGCTCCGCAGG	45369	hsa-miR-6842-3p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018192	8_+_27290930_27290953	TTGGCTGGTCTCTGCTCCGCAGGC	45370	hsa-miR-6842-3p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018193	8_+_27290930_27290954	TTGGCTGGTCTCTGCTCCGCAGGCC	45371	hsa-miR-6842-3p;Derives_from=MI0022688
NovelMiR_KnownLoci_ID0018194	8_-_27468115_27468138	ATGGTCTCCTGTTCTCTGCAGAGG	45372	hsa-miR-6843-3p;Derives_from=MI0022689
NovelMiR_KnownLoci_ID0018195	8_-_27468116_27468138	ATGGTCTCCTGTTCTCTGCAGAG	45373	hsa-miR-6843-3p;Derives_from=MI0022689
NovelMiR_KnownLoci_ID0018196	8_-_27468117_27468137	TGGTCTCCTGTTCTCTGCAGA	45374	hsa-miR-6843-3p;Derives_from=MI0022689

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018197	8_-_27468117_27468138	ATGGTCTCCTGTTCTCTGCAGA	45375	hsa-miR-6843-3p;Derives_from=MI0022689
NovelMiR_KnownLoci_ID0018198	8_-_27468119_27468138	ATGGTCTCCTGTTCTCTGCA	45376	hsa-miR-6843-3p;Derives_from=MI0022689
NovelMiR_KnownLoci_ID0018199	8_-_27559201_27559218	CTCCCGTGCCTGTGCACC	45377	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018200	8_-_27559201_27559219	GCTCCCGTGCCTGTGCACC	45378	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018201	8_-_27559201_27559220	AGCTCCCGTGCCTGTGCACC	45379	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018202	8_-_27559201_27559222	TGAGCTCCCGTGCCTGTGCACC	45380	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018203	8_-_27559202_27559220	AGCTCCCGTGCCTGTGCAC	45381	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018204	8_-_27559202_27559222	TGAGCTCCCGTGCCTGTGCAC	45382	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018205	8_-_27559203_27559220	AGCTCCCGTGCCTGTGCA	45383	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018206	8_-_27559204_27559222	TGAGCTCCCGTGCCTGTGC	45384	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018207	8_-_27559204_27559225	ACCTGAGCTCCCGTGCCTGTGC	45385	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018208	8_-_27559206_27559222	TGAGCTCCCGTGCCTGT	45386	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018209	8_-_27559206_27559227	TCACCTGAGCTCCCGTGCCTGT	45387	hsa-miR-3622b-3p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018210	8_+_27559206_27559227	ACAGGCACGGGAGCTCAGGTGA	45388	hsa-miR-3622a-5p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018211	8_+_27559207_27559226	CAGGCACGGGAGCTCAGGTG	45389	hsa-miR-3622a-5p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018212	8_+_27559207_27559227	CAGGCACGGGAGCTCAGGTGA	45390	hsa-miR-3622a-5p;Derives_from=MI0016013

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018213	8_+_27559207_27559229	CAGGCACGGGAGCTCAGGTGAGG	45391	hsa-miR-3622a-5p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018214	8_+_27559207_27559230	CAGGCACGGGAGCTCAGGTGAGGC	45392	hsa-miR-3622a-5p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018215	8_+_27559207_27559231	CAGGCACGGGAGCTCAGGTGAGGCA	45393	hsa-miR-3622a-5p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018216	8_-_27559240_27559263	CAGGCATGGGAGGTCAGGTGAGCT	45394	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018217	8_-_27559240_27559264	ACAGGCATGGGAGGTCAGGTGAGCT	45395	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018218	8_-_27559241_27559263	CAGGCATGGGAGGTCAGGTGAGC	45396	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018219	8_-_27559242_27559263	CAGGCATGGGAGGTCAGGTGAG	45397	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018220	8_-_27559242_27559264	ACAGGCATGGGAGGTCAGGTGAG	45398	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018221	8_-_27559243_27559263	CAGGCATGGGAGGTCAGGTGA	45399	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018222	8_-_27559243_27559264	ACAGGCATGGGAGGTCAGGTGA	45400	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018223	8_-_27559243_27559265	CACAGGCATGGGAGGTCAGGTGA	45401	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018224	8_+_27559244_27559261	CACCTGACCTCCCATGCC	45402	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018225	8_+_27559244_27559263	CACCTGACCTCCCATGCCTG	45403	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018226	8_+_27559244_27559264	CACCTGACCTCCCATGCCTGT	45404	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018227	8_+_27559244_27559265	CACCTGACCTCCCATGCCTGTG	45405	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018228	8_+_27559244_27559266	CACCTGACCTCCCATGCCTGTGC	45406	hsa-miR-3622a-3p;Derives_from=MI0016013

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018229	8_-_27559244_27559267	TGCACAGGCATGGGAGGTCAGGTG	45407	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018230	8_+_27559244_27559267	CACCTGACCTCCCATGCCTGTGCA	45408	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018231	8_+_27559245_27559262	ACCTGACCTCCCATGCCT	45409	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018232	8_+_27559245_27559264	ACCTGACCTCCCATGCCTGT	45410	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018233	8_-_27559245_27559266	GCACAGGCATGGGAGGTCAGGT	45411	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018234	8_+_27559245_27559266	ACCTGACCTCCCATGCCTGTGC	45412	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018235	8_+_27559245_27559267	ACCTGACCTCCCATGCCTGTGCA	45413	hsa-miR-3622a-3p;Derives_from=MI0016013
NovelMiR_KnownLoci_ID0018236	8_-_27559246_27559267	TGCACAGGCATGGGAGGTCAGG	45414	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018237	8_-_27559246_27559268	GTGCACAGGCATGGGAGGTCAGG	45415	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018238	8_-_27559247_27559267	TGCACAGGCATGGGAGGTCAG	45416	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018239	8_-_27559247_27559268	GTGCACAGGCATGGGAGGTCAG	45417	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018240	8_-_27559248_27559267	TGCACAGGCATGGGAGGTCA	45418	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018241	8_-_27559248_27559268	GTGCACAGGCATGGGAGGTCA	45419	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018242	8_-_27559249_27559268	GTGCACAGGCATGGGAGGTC	45420	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018243	8_-_27559250_27559268	GTGCACAGGCATGGGAGGT	45421	hsa-miR-3622b-5p;Derives_from=MI0016014
NovelMiR_KnownLoci_ID0018244	8_-_27559252_27559268	GTGCACAGGCATGGGAG	45422	hsa-miR-3622b-5p;Derives_from=MI0016014

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018245	8_-_28362637_28362659	TTGTCTGCTGAGTTTCCACGTCA	45423	hsa-miR-4288;Derives_from=MI0015896
NovelMiR_KnownLoci_ID0018246	8_-_28362644_28362665	GCAGTGTTGTCTGCTGAGTTTC	45424	hsa-miR-4288;Derives_from=MI0015896
NovelMiR_KnownLoci_ID0018247	8_-_29814831_29814855	TGGAAAAAACTGGTGTGTGCTTAT T	45425	hsa-miR-3148;Derives_from=MI0014175
NovelMiR_KnownLoci_ID0018248	8_-_29814833_29814855	TGGAAAAAACTGGTGTGTGCTTA	45426	hsa-miR-3148;Derives_from=MI0014175
NovelMiR_KnownLoci_ID0018249	8_-_29814835_29814855	TGGAAAAAACTGGTGTGTGCT	45427	hsa-miR-3148;Derives_from=MI0014175
NovelMiR_KnownLoci_ID0018250	8_-_29814835_29814856	ATGGAAAAAACTGGTGTGTGCT	45428	hsa-miR-3148;Derives_from=MI0014175
NovelMiR_KnownLoci_ID0018251	8_-_29814836_29814855	TGGAAAAAACTGGTGTGTGC	45429	hsa-miR-3148;Derives_from=MI0014175
NovelMiR_KnownLoci_ID0018252	8_-_41128582_41128605	AAAGACCGTGACTACTTTTGCAAC	45430	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018253	8_-_41128582_41128606	CAAAGACCGTGACTACTTTTGCAA C	45431	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018254	8_-_41128583_41128606	CAAAGACCGTGACTACTTTTGCAA	45432	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018255	8_-_41128585_41128605	AAAGACCGTGACTACTTTTGC	45433	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018256	8_-_41128585_41128606	CAAAGACCGTGACTACTTTTGC	45434	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018257	8_-_41128586_41128605	AAAGACCGTGACTACTTTTG	45435	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018258	8_-_41128588_41128605	AAAGACCGTGACTACTTTT	45436	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018259	8_-_41128596_41128611	AATGGCAAAGACCGTG	45437	hsa-miR-548ao-3p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018260	8_-_41128620_41128642	AGAAGTAACTACGGTTTTTGCAG	45438	hsa-miR-548ao-5p;Derives_from=MI0017871

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018261	8_-_41128622_41128642	AGAAGTAACTACGGTTTTTGC	45439	hsa-miR-548ao-5p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018262	8_-_41128622_41128643	CAGAAGTAACTACGGTTTTTGC	45440	hsa-miR-548ao-5p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018263	8_-_41128623_41128642	AGAAGTAACTACGGTTTTTG	45441	hsa-miR-548ao-5p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018264	8_-_41128627_41128642	AGAAGTAACTACGGTT	45442	hsa-miR-548ao-5p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018265	8_-_41128627_41128643	CAGAAGTAACTACGGTT	45443	hsa-miR-548ao-5p;Derives_from=MI0017871
NovelMiR_KnownLoci_ID0018266	8_-_41517957_41517981	CGGGGCAGCTCAGTACAGGATACTC	45444	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018267	8_-_41517958_41517981	CGGGGCAGCTCAGTACAGGATACT	45445	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018268	8_-_41517959_41517980	GGGGCAGCTCAGTACAGGATAC	45446	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018269	8_-_41517959_41517981	CGGGGCAGCTCAGTACAGGATAC	45447	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018270	8_-_41517960_41517977	GCAGCTCAGTACAGGATA	45448	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018271	8_-_41517960_41517978	GGCAGCTCAGTACAGGATA	45449	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018272	8_-_41517960_41517980	GGGGCAGCTCAGTACAGGATA	45450	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018273	8_-_41517960_41517981	CGGGGCAGCTCAGTACAGCATA	45451	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018274	8_-_41517962_41517981	CGGGGCAGCTCAGTACAGGA	45452	hsa-miR-486-3p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018275	8_-_41517997_41518023	TCCTGTACTGAGCTGCCCCGAGGCCCT	45453	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018276	8_-_41517998_41518023	TCCTGTACTGAGCTGCCCCGAGGCCC	45454	hsa-miR-486-5p;Derives_from=MI0002470

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018277	8_-_41517999_41518023	TCCTGTACTGAGCTGCCCCGAGGC C	45455	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018278	8_-_41518000_41518021	CTGTACTGAGCTGCCCCGAGGC	45456	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018279	8_-_41518000_41518022	CCTGTACTGAGCTGCCCCGAGGC	45457	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018280	8_-_41518000_41518023	TCCTGTACTGAGCTGCCCCGAGGC	45458	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018281	8_-_41518001_41518021	CTGTACTGAGCTGCCCCGAGG	45459	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018282	8_-_41518001_41518023	TCCTGTACTGAGCTGCCCCGAGG	45460	hsa-miR-486-5p;Derives_from=MI0002470
NovelMiR_KnownLoci_ID0018283	8_-_42751344_42751367	GCTCCCTCTAGGGTCGCTCGGAGC	45461	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018284	8_-_42751345_42751366	CTCCCTCTAGGGTCGCTCGGAG	45462	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018285	8_-_42751345_42751367	GCTCCCTCTAGGGTCGCTCGGAG	45463	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018286	8_-_42751347_42751367	GCTCCCTCTAGGGTCGCTCGG	45464	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018287	8_-_42751348_42751367	GCTCCCTCTAGGGTCGCTCG	45465	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018288	8_-_42751348_42751369	CCGCTCCCTCTAGGGTCGCTCG	45466	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018289	8_-_42751349_42751370	GCCGCTCCCTCTAGGGTCGCTC	45467	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018290	8_-_42751350_42751369	CCGCTCCCTCTAGGGTCGCT	45468	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018291	8_-_42751350_42751370	GCCGCTCCCTCTAGGGTCGCT	45469	hsa-miR-4469;Derives_from=MI0016820
NovelMiR_KnownLoci_ID0018292	8_+_62627387_62627404	AACGTGGCAAACGTGGAA	45470	hsa-miR-4470;Derives_from=MI0016821

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018293	8_+_62627387_62627408	AACGTGGCAAACGTGGAAGCCG	45471	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018294	8_+_62627387_62627409	AACGTGGCAAACGTGGAAGCCGA	45472	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018295	8_+_62627387_62627410	AACGTGGCAAACGTGGAAGCCGAG	45473	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018296	8_+_62627388_62627405	ACGTGGCAAACGTGGAAG	45474	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018297	8_+_62627388_62627409	ACGTGGCAAACGTGGAAGCCGA	45475	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018298	8_+_62627390_62627408	GTGGCAAACGTGGAAGCCG	45476	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018299	8_+_62627390_62627411	GTGGCAAACGTGGAAGCCGAGA	45477	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018300	8_+_62627391_62627408	TGGCAAACGTGGAAGCCG	45478	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018301	8_+_62627391_62627409	TGGCAAACGTGGAAGCCGA	45479	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018302	8_+_62627391_62627410	TGGCAAACGTGGAAGCCGAG	45480	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018303	8_+_62627391_62627412	TGGCAAACGTGGAAGCCGAGAG	45481	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018304	8_+_62627391_62627413	TGGCAAACGTGGAAGCCGAGAGG	45482	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018305	8_+_62627391_62627414	TGGCAAACGTGGAAGCCGAGAGGG	45483	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018306	8_+_62627394_62627415	CAAACGTGGAAGCCGAGAGGGC	45484	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018307	8_+_62627394_62627416	CAAACGTGGAAGCCGAGAGGGCT	45485	hsa-miR-4470;Derives_from=MI0016821
NovelMiR_KnownLoci_ID0018308	8_+_62627399_62627417	GTGGAAGCCGAGAGGGCTC	45486	hsa-miR-4470;Derives_from=MI0016821

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018309	8_-_6479649_6479671	GCACATGAGCAGACGGAGTGATC	45487	hsa-miR-8055;Derives_from=MI0025891
NovelMiR_KnownLoci_ID0018310	8_+_65291766_65291792	TTAAGGCACGCGGTGAATGCCAAGAGC	45488	hsa-miR-124-3p;Derives_from=MI0000444
NovelMiR_KnownLoci_ID0018311	8_+_65291767_65291792	TAAGGCACGCGGTGAATGCCAAGAGC	45489	hsa-miR-124-3p;Derives_from=MI0000444
NovelMiR_KnownLoci_ID0018312	8_+_65291768_65291792	AAGGCACGCGGTGAATGCCAAGAGC	45490	hsa-miR-124-3p;Derives_from=MI0000444
NovelMiR_KnownLoci_ID0018313	8_-_6602691_6602716	TTCTTCTTAGACATGGCAGCTTCAGC	45491	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018314	8_-_6602692_6602713	TTCTTAGACATGGCAGCTTCAG	45492	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018315	8_-_6602692_6602714	CTTCTTAGACATGGCAGCTTCAG	45493	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018316	8_-_6602692_6602715	TCTTCTTAGACATGGCAGCTTCAG	45494	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018317	8_-_6602693_6602714	CTTCTTAGACATGGCAGCTTCA	45495	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018318	8_-_6602693_6602715	TCTTCTTAGACATGGCAGCTTCA	45496	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018319	8_-_6602693_6602716	TTCTTCTTAGACATGGCAGCTTCA	45497	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018320	8_-_6602694_6602715	TCTTCTTAGACATGGCAGCTTC	45498	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018321	8_-_6602694_6602716	TTCTTCTTAGACATGGCAGCTTC	45499	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018322	8_-_6602694_6602717	TTTCTTCTTAGACATGGCAGCTTC	45500	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018323	8_-_6602694_6602718	TTTTCTTCTTAGACATGGCAGCTTC	45501	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018324	8_-_6602695_6602717	TTTCTTCTTAGACATGGCAGCTT	45502	hsa-miR-4659b-3p;Derives_from=MI0017291

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018325	8_+_6602696_6602715	AGCTGCCATGTCTAAGAAGA	45503	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018326	8_+_6602696_6602717	AGCTGCCATGTCTAAGAAGAAA	45504	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018327	8_-_6602696_6602718	TTTTCTTCTTAGACATGGCAGCT	45505	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018328	8_+_6602697_6602715	GCTGCCATGTCTAAGAAGA	45506	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018329	8_+_6602697_6602716	GCTGCCATGTCTAAGAAGAA	45507	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018330	8_+_6602697_6602717	GCTGCCATGTCTAAGAAGAAA	45508	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018331	8_-_6602697_6602718	TTTTCTTCTTAGACATGGCAGC	45509	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018332	8_+_6602697_6602720	GCTGCCATGTCTAAGAAGAAAACT	45510	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018333	8_+_6602698_6602717	CTGCCATGTCTAAGAAGAAA	45511	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018334	8_-_6602698_6602718	TTTTCTTCTTAGACATGGCAG	45512	hsa-miR-4659b-3p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018335	8_+_6602698_6602718	CTGCCATGTCTAAGAAGAAAA	45513	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018336	8_+_6602698_6602720	CTGCCATGTCTAAGAAGAAAACT	45514	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018337	8_+_6602698_6602721	CTGCCATGTCTAAGAAGAAAACTT	45515	hsa-miR-4659a-5p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018338	8_-_6602730_6602752	TTGCCATGTCTAAGAAGAAAATT	45516	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018339	8_+_6602730_6602753	AATTTTCTTCTTAGACATGGCAAC	45517	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018340	8_-_6602731_6602752	TTGCCATGTCTAAGAAGAAAAT	45518	hsa-miR-4659b-5p;Derives_from=MI0017291

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018341	8_+_6602732_6602752	TTTTCTTCTTAGACATGGCAA	45519	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018342	8_+_6602732_6602754	TTTTCTTCTTAGACATGGCAACG	45520	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018343	8_-_6602732_6602755	ACGTTGCCATGTCTAAGAAGAAAA	45521	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018344	8_+_6602732_6602756	TTTTCTTCTTAGACATGGCAACGT C	45522	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018345	8_+_6602732_6602759	TTTTCTTCTTAGACATGGCAACGT CAAC	45523	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018346	8_-_6602733_6602752	TTGCCATGTCTAAGAAGAAA	45524	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018347	8_+_6602733_6602753	TTTCTTCTTAGACATGGCAAC	45525	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018348	8_-_6602733_6602755	ACGTTGCCATGTCTAAGAAGAAA	45526	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018349	8_+_6602733_6602755	TTTCTTCTTAGACATGGCAACGT	45527	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018350	8_+_6602733_6602756	TTTCTTCTTAGACATGGCAACGTC	45528	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018351	8_+_6602733_6602759	TTTCTTCTTAGACATGGCAACGTC AAC	45529	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018352	8_-_6602734_6602753	GTTGCCATGTCTAAGAAGAA	45530	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018353	8_+_6602734_6602754	TTCTTCTTAGACATGGCAACG	45531	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018354	8_-_6602734_6602755	ACGTTGCCATGTCTAAGAAGAA	45532	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018355	8_+_6602734_6602755	TTCTTCTTAGACATGGCAACGT	45533	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018356	8_+_6602734_6602756	TTCTTCTTAGACATGGCAACGTC	45534	hsa-miR-4659a-3p;Derives_from=MI0017287

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018357	8_+_6602734_6602757	TTCTTCTTAGACATGGCAACGTCA	45535	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018358	8_+_6602735_6602754	TCTTCTTAGACATGGCAACG	45536	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018359	8_-_6602735_6602755	ACGTTGCCATGTCTAAGAAGA	45537	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018360	8_+_6602735_6602755	TCTTCTTAGACATGGCAACGT	45538	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018361	8_+_6602735_6602757	TCTTCTTAGACATGGCAACGTCA	45539	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018362	8_+_6602736_6602757	CTTCTTAGACATGGCAACGTCA	45540	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018363	8_-_6602742_6602758	TTGACGTTGCCATGTCT	45541	hsa-miR-4659b-5p;Derives_from=MI0017291
NovelMiR_KnownLoci_ID0018364	8_+_6602742_6602760	AGACATGGCAACGTCAACA	45542	hsa-miR-4659a-3p;Derives_from=MI0017287
NovelMiR_KnownLoci_ID0018365	8_-_75460818_75460839	GGTATTGCCACCCTTTCTAGTC	45543	hsa-miR-5681b;Derives_from=MI0019293
NovelMiR_KnownLoci_ID0018366	8_-_75460820_75460840	AGGTATTGCCACCCTTTCTAG	45544	hsa-miR-5681b;Derives_from=MI0019293
NovelMiR_KnownLoci_ID0018367	8_+_75460821_75460842	TAGAAAGGGTGGCAATACCTCT	45545	hsa-miR-5681a;Derives_from=MI0019281
NovelMiR_KnownLoci_ID0018368	8_-_75460822_75460840	AGGTATTGCCACCCTTTCT	45546	hsa-miR-5681b;Derives_from=MI0019293
NovelMiR_KnownLoci_ID0018369	8_+_75460822_75460841	AGAAAGGGTGGCAATACCTC	45547	hsa-miR-5681a;Derives_from=MI0019281

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018370	8_+_75460822_75460842	AGAAAGGGTGGCAATACCTCT	45548	hsa-miR-5681a;Derives_from=MI0019281
NovelMiR_KnownLoci_ID0018371	8_-_75460823_75460840	AGCTATTGCCACCCTTTC	45549	hsa-miR-5681b;Derives_from=MI0019293
NovelMiR_KnownLoci_ID0018372	8_+_75460823_75460842	GAAAGGGTGGCAATACCTCT	45550	hsa-miR-5681a;Derives_from=MI0019281
NovelMiR_KnownLoci_ID0018373	8_+_75460823_75460844	GAAAGGGTGGCAATACCTCTTC	45551	hsa-miR-5681a;Derives_from=MI0019281
NovelMiR_KnownLoci_ID0018374	8_+_75460824_75460847	AAAGGGTGGCAATACCTCTTCCAA	45552	hsa-miR-5681a;Derives_from=MI0019281
NovelMiR_KnownLoci_ID0018375	8_+_75460825_75460843	AAGGGTGGCAATACCTCTT	45553	hsa-miR-5681a;Derives_from=MI0019281
NovelMiR_KnownLoci_ID0018376	8_+_75617924_75617942	GTTGCTGTTTTGATAACAG	45554	hsa-miR-2052;Derives_from=MI0010486
NovelMiR_KnownLoci_ID0018377	8_-_77879013_77879036	TTTGTATGGATATGTGTGTGTATG	45555	hsa-miR-3149;Derives_from=MI0014176
NovelMiR_KnownLoci_ID0018378	8_-_77879015_77879036	TTTGTATGGATATGTGTGTGTA	45556	hsa-miR-3149;Derives_from=MI0014176
NovelMiR_KnownLoci_ID0018379	8_-_77879016_77879036	TTTGTATGGATATGTGTGTGT	45557	hsa-miR-3149;Derives_from=MI0014176
NovelMiR_KnownLoci_ID0018380	8_-_77879025_77879042	TATATGTTTGTATGGATA	45558	hsa-miR-3149;Derives_from=MI0014176
NovelMiR_KnownLoci_ID0018381	8_+_81153627_81153647	ACAGACATGAGCGACTGTGCC	45559	hsa-miR-5708;Derives_from=MI0019316
NovelMiR_KnownLoci_ID0018382	8_+_81153627_81153648	ACAGACATGAGCGACTGTGCCT	45560	hsa-miR-5708;Derives_from=MI0019316

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018383	8_+_81153629_81153651	AGACATGAGCGACTGTGCCTGAC	45561	hsa-miR-5708;Derives_from=MI0019316
NovelMiR_KnownLoci_ID0018384	8_+_81153631_81153651	ACATGAGCGACTGTGCCTGAC	45562	hsa-miR-5708;Derives_from=MI0019316
NovelMiR_KnownLoci_ID0018385	8_+_81153631_81153652	ACATGAGCGACTGTGCCTGACC	45563	hsa-miR-5708;Derives_from=MI0019316
NovelMiR_KnownLoci_ID0018386	8_+_81153634_81153654	TGAGCGACTGTGCCTGACCAA	45564	hsa-miR-5708;Derives_from=MI0019316
NovelMiR_KnownLoci_ID0018387	8_+_8905963_8905982	TGCAGCTCTGGTGGAAAATG	45565	hsa-miR-4660;Derives_from=MI0017288
NovelMiR_KnownLoci_ID0018388	8_+_8905963_8905983	TGCAGCTCTGGTGGAAAATGG	45566	hsa-miR-4660;Derives_from=MI0017288
NovelMiR_KnownLoci_ID0018389	8_+_8905963_8905984	TGCAGCTCTGGTGGAAAATGGA	45567	hsa-miR-4660;Derives_from=MI0017288
NovelMiR_KnownLoci_ID0018390	8_+_8905963_8905986	TGCAGCTCTGGTGGAAAATGGAGA	45568	hsa-miR-4660;Derives_from=MI0017288
NovelMiR_KnownLoci_ID0018391	8_+_8905963_8905987	TGCAGCTCTGGTGGAAAATGGAGAA	45569	hsa-miR-4660;Derives_from=MI0017288
NovelMiR_KnownLoci_ID0018392	8_+_8905964_8905985	GCAGCTCTGGTGGAAAATGGAG	45570	hsa-miR-4660;Derives_from=MI0017288
NovelMiR_KnownLoci_ID0018393	8_+_92217722_92217740	AACTAGCTCTGTGGATCCT	45571	hsa-miR-4661-5p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018394	8_+_92217722_92217741	AACTAGCTCTGTGGATCCTG	45572	hsa-miR-4661-5p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018395	8_+_92217722_92217742	AACTAGCTCTGTGGATCCTGA	45573	hsa-miR-4661-5p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018396	8_+_92217722_92217744	AACTAGCTCTGTGGATCCTGACA	45574	hsa-miR-4661-5p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018397	8_+_92217722_92217747	AACTAGCTCTGTGGATCCTGACAGAC	45575	hsa-miR-4661-5p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018398	8_+_92217754_92217779	ATAGACAGGATCCACAGAGCTAGTCC	45576	hsa-miR-4661-3p;Derives_from=MI0017289

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018399	8_+_92217759_92217778	CAGGATCCACAGAGCTAGTC	45577	hsa-miR-4661-3p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018400	8_+_92217759_92217779	CAGGATCCACAGAGCTAGTCC	45578	hsa-miR-4661-3p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018401	8_+_92217760_92217778	AGGATCCACAGAGCTAGTC	45579	hsa-miR-4661-3p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018402	8_+_92217760_92217779	AGGATCCACAGAGCTAGTCC	45580	hsa-miR-4661-3p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018403	8_+_92217760_92217780	AGGATCCACAGAGCTAGTCCA	45581	hsa-miR-4661-3p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018404	8_+_92217769_92217786	AGAGCTAGTCCAGAGTAA	45582	hsa-miR-4661-3p;Derives_from=MI0017289
NovelMiR_KnownLoci_ID0018405	8_+_94042001_94042017	AAAAATCAGTATGGATT	45583	hsa-miR-8084;Derives_from=MI0025920
NovelMiR_KnownLoci_ID0018406	8_-_94928301_94928325	CTGGACTTGGAGTCAGAAAACTTTC	45584	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018407	8_-_94928301_94928326	ACTGGACTTGGAGTCAGAAAACTTTC	45585	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018408	8_-_94928303_94928325	CTGGACTTGGAGTCAGAAAACTT	45586	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018409	8_-_94928303_94928326	ACTGGACTTGGAGTCAGAAAACTT	45587	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018410	8_-_94928304_94928325	CTGGACTTGGAGTCAGAAAACT	45588	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018411	8_-_94928304_94928326	ACTGGACTTGGAGTCAGAAAACT	45589	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018412	8_-_94928305_94928325	CTGGACTTGGAGTCAGAAAAC	45590	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018413	8_-_94928305_94928326	ACTGGACTTGGAGTCAGAAAAC	45591	hsa-miR-378d;Derives_from=MI0003840
NovelMiR_KnownLoci_ID0018414	8_+_9599195_9599212	TGTGTGTCACTCGATGAC	45592	hsa-miR-597-5p;Derives_from=MI0003609

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018415	8_+_9599195_9599213	TGTGTGTCACTCGATGACC	45593	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018416	8_+_9599195_9599214	TGTGTGTCACTCGATGACCA	45594	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018417	8_+_9599195_9599217	TGTGTGTCACTCGATGACCACTG	45595	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018418	8_+_9599196_9599216	GTGTGTCACTCGATGACCACT	45596	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018419	8_+_9599196_9599218	GTGTGTCACTCGATGACCACTGT	45597	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018420	8_+_9599197_9599212	TGTGTCACTCGATGAC	45598	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018421	8_+_9599197_9599214	TGTGTCACTCGATGACCA	45599	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018422	8_+_9599197_9599215	TGTGTCACTCGATGACCAC	45600	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018423	8_+_9599197_9599217	TGTGTCACTCGATGACCACTG	45601	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018424	8_+_9599197_9599219	TGTGTCACTCGATGACCACTGTG	45602	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018425	8_+_9599197_9599220	TGTGTCACTCGATGACCACTGTGA	45603	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018426	8_+_9599198_9599218	GTGTCACTCGATGACCACTGT	45604	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018427	8_+_9599201_9599218	TCACTCGATGACCACTGT	45605	hsa-miR-597-5p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018428	8_+_9599236_9599258	CAGTGGTTCTCTTGTGGCTCAAG	45606	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018429	8_+_9599237_9599254	AGTGGTTCTCTTGTGGCT	45607	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018430	8_+_9599237_9599255	AGTGGTTCTCTTGTGGCTC	45608	hsa-miR-597-3p;Derives_from=MI0003609

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018431	8_+_9599237_9599256	AGTGGTTCTCTTGTGGCTCA	45609	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018432	8_+_9599237_9599257	AGTGGTTCTCTTGTGGCTCAA	45610	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018433	8_+_9599237_9599258	AGTGGTTCTCTTGTGGCTCAAG	45611	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018434	8_+_9599237_9599259	AGTGGTTCTCTTGTGGCTCAAGC	45612	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018435	8_+_9599237_9599260	AGTGGTTCTCTTGTGGCTCAAGCG	45613	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018436	8_+_9599238_9599259	GTGGTTCTCTTGTGGCTCAAGC	45614	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018437	8_+_9599238_9599260	GTGGTTCTCTTGTGGCTCAAGCG	45615	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018438	8_+_9599239_9599257	TGGTTCTCTTGTGGCTCAA	45616	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018439	8_+_9599239_9599259	TGGTTCTCTTGTGGCTCAAGC	45617	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018440	8_+_9599239_9599260	TGGTTCTCTTGTGGCTCAAGCG	45618	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018441	8_+_9599240_9599265	GGTTCTCTTGTGGCTCAAGCGTAATG	45619	hsa-miR-597-3p;Derives_from=MI0003609
NovelMiR_KnownLoci_ID0018442	8_-_96085146_96085169	GGAGATCGTCGAGGTTGGCCTGCT	45620	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018443	8_+_96085147_96085165	GCAGGCCAACCTCGACGAT	45621	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018444	8_-_96085147_96085167	AGATCGTCGAGGTTGGCCTGC	45622	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018445	8_+_96085147_96085167	GCAGGCCAACCTCGACGATCT	45623	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018446	8_-_96085147_96085169	GGAGATCGTCGAGGTTGGCCTGC	45624	hsa-miR-3150b-3p;Derives_from=MI0016426

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018447	8_-_96085147_96085171	GAGGAGATCGTCGAGGTTGGCCTGC	45625	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018448	8_+_96085148_96085169	CAGGCCAACCTCGACGATCTCC	45626	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018449	8_-_96085148_96085171	GAGGAGATCGTCGAGGTTGGCCTG	45627	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018450	8_-_96085148_96085172	TGAGGAGATCGTCGAGGTTGGCCTG	45628	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018451	8_-_96085149_96085171	GAGGAGATCGTCGAGGTTGGCCT	45629	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018452	8_-_96085149_96085172	TGAGGAGATCGTCGAGGTTGGCCT	45630	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018453	8_-_96085150_96085171	GAGGAGATCGTCGAGGTTGGCC	45631	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018454	8_-_96085150_96085172	TGAGGAGATCGTCGAGGTTGGCC	45632	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018455	8_-_96085151_96085171	GAGGAGATCGTCGAGGTTGGC	45633	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018456	8_-_96085151_96085172	TGAGGAGATCGTCGAGGTTGGC	45634	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018457	8_-_96085152_96085171	GAGGAGATCGTCGAGGTTGG	45635	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018458	8_-_96085152_96085173	CTGAGGAGATCGTCGAGGTTGG	45636	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018459	8_+_96085152_96085173	CCAACCTCGACGATCTCCTCAG	45637	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018460	8_+_96085152_96085177	CCAACCTCGACGATCTCCTCAGCACC	45638	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018461	8_-_96085153_96085172	TGAGGAGATCGTCGAGGTTG	45639	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018462	8_+_96085153_96085172	CAACCTCGACGATCTCCTCA	45640	hsa-miR-3150a-5p;Derives_from=MI0014177

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018463	8_+_96085153_96085173	CAACCTCGACGATCTCCTCAG	45641	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018464	8_-_96085153_96085175	TGCTGAGGAGATCGTCGAGGTTG	45642	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018465	8_+_96085153_96085175	CAACCTCGACGATCTCCTCAGCA	45643	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018466	8_+_96085153_96085176	CAACCTCGACGATCTCCTCAGCAC	45644	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018467	8_+_96085153_96085177	CAACCTCGACGATCTCCTCAGCACC	45645	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018468	8_-_96085154_96085172	TGAGGAGATCGTCGAGGTT	45646	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018469	8_+_96085154_96085173	AACCTCGACGATCTCCTCAG	45647	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018470	8_+_96085154_96085174	AACCTCGACGATCTCCTCAGC	45648	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018471	8_+_96085154_96085175	AACCTCGACGATCTCCTCAGCA	45649	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018472	8_+_96085154_96085176	AACCTCGACGATCTCCTCAGCAC	45650	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018473	8_+_96085154_96085177	AACCTCGACGATCTCCTCAGCACC	45651	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018474	8_-_96085155_96085172	TGAGGAGATCGTCGAGGT	45652	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018475	8_-_96085156_96085171	GAGGAGATCGTCGAGG	45653	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018476	8_-_96085156_96085172	TGAGGAGATCGTCGAGG	45654	hsa-miR-3150b-3p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018477	8_+_96085161_96085180	ACGATCTCCTCAGCACCTGA	45655	hsa-miR-3150a-5p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018478	8_-_96085184_96085209	AACCTCGAGGATCTCCCCAGCCTTGG	45656	hsa-miR-3150b-5p;Derives_from=MI0016426

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018479	8_-_96085185_96085209	AACCTCGAGGATCTCCCCAGCCTTG	45657	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018480	8_-_96085186_96085209	AACCTCGAGGATCTCCCCAGCCTT	45658	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018481	8_-_96085187_96085209	AACCTCGAGGATCTCCCCAGCCT	45659	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018482	8_-_96085187_96085210	CAACCTCGAGGATCTCCCCAGCCT	45660	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018483	8_-_96085188_96085209	AACCTCGAGGATCTCCCCAGCC	45661	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018484	8_-_96085188_96085210	CAACCTCGAGGATCTCCCCAGCC	45662	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018485	8_-_96085188_96085211	CCAACCTCGAGGATCTCCCCAGCC	45663	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018486	8_-_96085189_96085209	AACCTCGAGGATCTCCCCAGC	45664	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018487	8_-_96085189_96085211	CCAACCTCGAGGATCTCCCCAGC	45665	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018488	8_-_96085190_96085209	AACCTCGAGGATCTCCCCAG	45666	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018489	8_+_96085190_96085210	CTGGGGAGATCCTCGAGGTTG	45667	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018490	8_+_96085191_96085211	TGGGGAGATCCTCGAGGTTGG	45668	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018491	8_+_96085191_96085212	TGGGGAGATCCTCGAGGTTGGC	45669	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018492	8_+_96085191_96085213	TGGGGAGATCCTCGAGGTTGGCC	45670	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018493	8_-_96085192_96085211	CCAACCTCGAGGATCTCCCC	45671	hsa-miR-3150b-5p;Derives_from=MI0016426
NovelMiR_KnownLoci_ID0018494	8_+_96085194_96085216	GGAGATCCTCGAGGTTGGCCTGC	45672	hsa-miR-3150a-3p;Derives_from=MI0014177

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018495	8_+_96085195_96085214	GAGATCCTCGAGGTTGGCCT	45673	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018496	8_+_96085195_96085216	GAGATCCTCGAGGTTGGCCTGC	45674	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018497	8_+_96085195_96085217	GAGATCCTCGAGGTTGGCCTGCT	45675	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018498	8_+_96085197_96085217	GATCCTCGAGGTTGGCCTGCT	45676	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018499	8_+_96085198_96085217	ATCCTCGAGGTTGGCCTGCT	45677	hsa-miR-3150a-3p;Derives_from=MI0014177
NovelMiR_KnownLoci_ID0018500	8_-_9760905_9760929	AAGGCACGCGGTGAATGCCAAGAAT	45678	hsa-miR-124-3p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018501	8_-_9760905_9760930	TAAGGCACGCGGTGAATGCCAAGAAT	45679	hsa-miR-124-3p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018502	8_-_9760906_9760930	TAAGGCACGCGGTGAATGCCAAGAA	45680	hsa-miR-124-3p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018503	8_-_9760910_9760929	AAGGCACGCGGTGAATGCCA	45681	hsa-miR-124-3p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018504	8_-_9760910_9760930	TAAGGCACGCGGTGAATGCCA	45682	hsa-miR-124-3p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018505	8_-_9760943_9760969	CGTGTTCACAGCGGACCTTGATTTAAA	45683	hsa-miR-124-5p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018506	8_-_9760949_9760969	CGTGTTCACAGCGGACCTTGA	45684	hsa-miR-124-5p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018507	8_-_9760950_9760969	CGTGTTCACAGCGGACCTTG	45685	hsa-miR-124-5p;Derives_from=MI0000443
NovelMiR_KnownLoci_ID0018508	9_-_100991429_100991451	TGCGTTTCTCCTCTTGAGCAGGG	45686	hsa-miR-6854-3p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018509	9_-_100991430_100991451	TGCGTTTCTCCTCTTGAGCAGG	45687	hsa-miR-6854-3p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018510	9_-_100991432_100991451	TGCGTTTCTCCTCTTGAGCA	45688	hsa-miR-6854-3p;Derives_from=MI0022700

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018511	9_-_100991433_100991451	TGCGTTTCTCCTCTTGAGC	45689	hsa-miR-6854-3p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018512	9_-_100991465_100991483	TGAGAACTGCTGATGTCAT	45690	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018513	9_-_100991469_100991493	AGCTCAGGTTTGAGAACTGCTGATG	45691	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018514	9_-_100991469_100991494	AAGCTCAGGTTTGAGAACTGCTGATG	45692	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018515	9_-_100991469_100991495	CAAGCTCAGGTTTGAGAACTGCTGATG	45693	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018516	9_-_100991471_100991491	CTCAGGTTTGAGAACTGCTGA	45694	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018517	9_-_100991471_100991493	AGCTCAGGTTTGAGAACTGCTGA	45695	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018518	9_-_100991472_100991493	AGCTCAGGTTTGAGAACTGCTG	45696	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018519	9_-_100991472_100991494	AAGCTCAGGTTTGAGAACTGCTG	45697	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018520	9_-_100991473_100991494	AAGCTCAGGTTTGAGAACTGCT	45698	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018521	9_-_100991473_100991495	CAAGCTCAGGTTTGAGAACTGCT	45699	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018522	9_-_100991474_100991492	GCTCAGGTTTGAGAACTGC	45700	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018523	9_-_100991474_100991494	AAGCTCAGGTTTGAGAACTGC	45701	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018524	9_-_100991474_100991495	CAAGCTCAGGTTTGAGAACTGC	45702	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018525	9_-_100991476_100991494	AAGCTCAGGTTTGAGAACT	45703	hsa-miR-6854-5p;Derives_from=MI0022700
NovelMiR_KnownLoci_ID0018526	9_-_111808506_111808532	CAATTTAGTGTGTGTGATATTTTCACA	45704	hsa-miR-32-3p;Derives_from=MI0000090

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018527	9_-_111808507_111808532	CAATTTAGTGTGTGTGATATTTTC AC	45705	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018528	9_-_111808509_111808532	CAATTTAGTGTGTGTGATATTTTC	45706	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018529	9_-_111808509_111808533	GCAATTTAGTGTGTGTGATATTTT C	45707	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018530	9_-_111808510_111808532	CAATTTAGTGTGTGTGATATTTT	45708	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018531	9_-_111808510_111808533	GCAATTTAGTGTGTGTGATATTTT	45709	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018532	9_-_111808512_111808532	CAATTTAGTGTGTGTGATATT	45710	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018533	9_-_111808512_111808533	GCAATTTAGTGTGTGTGATATT	45711	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018534	9_-_111808513_111808532	CAATTTAGTGTGTGTGATAT	45712	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018535	9_-_111808513_111808534	TGCAATTTAGTGTGTGTGATAT	45713	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018536	9_-_111808513_111808535	ATGCAATTTAGTGTGTGTGATAT	45714	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018537	9_-_111808514_111808532	CAATTTAGTGTGTGTGATA	45715	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018538	9_-_111808514_111808534	TGCAATTTAGTGTGTGTGATA	45716	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018539	9_-_111808514_111808535	ATGCAATTTAGTGTGTGTGATA	45717	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018540	9_-_111808515_111808535	ATGCAATTTAGTGTGTGTGAT	45718	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018541	9_-_111808516_111808532	CAATTTAGTGTGTGTGA	45719	hsa-miR-32-3p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018542	9_-_111808516_111808535	ATGCAATTTAGTGTGTGTGA	45720	hsa-miR-32-3p;Derives_from=MI0000090

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018543	9_-_111808547_111808573	TATTGCACATTACTAAGTTGCATGTTG	45721	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018544	9_-_111808550_111808569	GCACATTACTAAGTTGCATG	45722	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018545	9_-_111808550_111808573	TATTGCACATTACTAAGTTGCATG	45723	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018546	9_-_111808550_111808574	ATATTGCACATTACTAAGTTGCATG	45724	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018547	9_-_111808551_111808573	TATTGCACATTACTAAGTTGCAT	45725	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018548	9_-_111808552_111808572	ATTGCACATTACTAAGTTGCA	45726	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018549	9_-_111808553_111808572	ATTGCACATTACTAAGTTGC	45727	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018550	9_-_111808553_111808573	TATTGCACATTACTAAGTTGC	45728	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018551	9_-_111808554_111808573	TATTGCACATTACTAAGTTG	45729	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018552	9_-_111808555_111808573	TATTGCACATTACTAAGTT	45730	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018553	9_-_111808556_111808573	TATTGCACATTACTAAGT	45731	hsa-miR-32-5p;Derives_from=MI0000090
NovelMiR_KnownLoci_ID0018554	9_-_112273758_112273780	AGGTAGATATTTGATAGGCATTG	45732	hsa-miR-3927-3p;Derives_from=MI0016435
NovelMiR_KnownLoci_ID0018555	9_-_112273758_112273781	CAGGTAGATATTTGATAGGCATTG	45733	hsa-miR-3927-3p;Derives_from=MI0016435
NovelMiR_KnownLoci_ID0018556	9_-_112273759_112273781	CAGGTAGATATTTGATAGGCATT	45734	hsa-miR-3927-3p;Derives_from=MI0016435
NovelMiR_KnownLoci_ID0018557	9_-_114033471_114033494	CTTAGACTGCCAGACTCCCTGAGG	45735	hsa-miR-7702;Derives_from=MI0025238
NovelMiR_KnownLoci_ID0018558	9_-_114033472_114033494	CTTAGACTGCCAGACTCCCTGAG	45736	hsa-miR-7702;Derives_from=MI0025238

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018559	9_-_114033474_114033494	CTTAGACTGCCAGACTCCCTG	45737	hsa-miR-7702;Derives_from=MI0025238
NovelMiR_KnownLoci_ID0018560	9_-_114033476_114033494	CTTAGACTGCCAGACTCCC	45738	hsa-miR-7702;Derives_from=MI0025238
NovelMiR_KnownLoci_ID0018561	9_-_114033476_114033495	TCTTAGACTGCCAGACTCCC	45739	hsa-miR-7702;Derives_from=MI0025238
NovelMiR_KnownLoci_ID0018562	9_-_114033479_114033500	GCCACTCTTAGACTGCCAGACT	45740	hsa-miR-7702;Derives_from=MI0025238
NovelMiR_KnownLoci_ID0018563	9_+_114694374_114694392	TATTTGAGGGAAAAAAAAA	45741	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018564	9_+_114694374_114694393	TATTTGAGGGAAAAAAAAAA	45742	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018565	9_+_114694374_114694394	TATTTGAGGGAAAAAAAAAAG	45743	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018566	9_+_114694378_114694402	TGAGGGAAAAAAAAAAGGATTTGTC	45744	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018567	9_+_114694380_114694399	AGGGAAAAAAAAAAGGATTT	45745	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018568	9_+_114694380_114694400	AGGGAAAAAAAAAAGGATTTG	45746	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018569	9_+_114694380_114694401	AGGGAAAAAAAAAAGGATTTGT	45747	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018570	9_+_114694381_114694401	GGGAAAAAAAAAAGGATTTGT	45748	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018571	9_+_114694381_114694404	GGGAAAAAAAAAAGGATTTGTCTT	45749	hsa-miR-4668-5p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018572	9_+_114694427_114694445	GAAAATCCTTTTTGTTTTT	45750	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018573	9_+_114694427_114694446	GAAAATCCTTTTTGTTTTTC	45751	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018574	9_+_114694427_114694448	GAAAATCCTTTTTGTTTTTCCA	45752	hsa-miR-4668-3p;Derives_from=MI0017298

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018575	9_+_114694427_114694450	GAAAATCCTTTTTTGTTTTTTCCAGG	45753	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018576	9_+_114694427_114694451	GAAAATCCTTTTTTGTTTTTTCCAGGT	45754	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018577	9_+_114694428_114694448	AAAATCCTTTTTTGTTTTTTCCA	45755	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018578	9_+_114694428_114694449	AAAATCCTTTTTTGTTTTTTCCAG	45756	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018579	9_+_114694428_114694450	AAAATCCTTTTTTGTTTTTTCCAGG	45757	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018580	9_+_114694429_114694450	AAATCCTTTTTTGTTTTTTCCAGG	45758	hsa-miR-4668-3p;Derives_from=MI0017298
NovelMiR_KnownLoci_ID0018581	9_+_116971728_116971743	GTATGTGCCTTTGGAC	45759	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018582	9_+_116971728_116971747	GTATGTGCCTTTGGACTACA	45760	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018583	9_+_116971728_116971748	GTATGTGCCTTTGGACTACAT	45761	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018584	9_+_116971728_116971749	GTATGTGCCTTTGGACTACATC	45762	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018585	9_+_116971728_116971750	GTATGTGCCTTTGGACTACATCG	45763	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018586	9_+_116971729_116971745	TATGTGCCTTTGGACTA	45764	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018587	9_+_116971729_116971747	TATGTGCCTTTGGACTACA	45765	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018588	9_+_116971729_116971748	TATGTGCCTTTGGACTACAT	45766	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018589	9_+_116971729_116971749	TATGTGCCTTTGGACTACATC	45767	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018590	9_+_116971729_116971751	TATGTGCCTTTGGACTACATCGT	45768	hsa-miR-455-5p;Derives_from=MI0003513

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018591	9_+_116971730_116971751	ATGTGCCTTTGGACTACATCGT	45769	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018592	9_+_116971731_116971750	TGTGCCTTTGGACTACATCG	45770	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018593	9_+_116971731_116971751	TGTGCCTTTGGACTACATCGT	45771	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018594	9_+_116971731_116971752	TGTGCCTTTGGACTACATCGTG	45772	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018595	9_+_116971731_116971753	TGTGCCTTTGGACTACATCGTGG	45773	hsa-miR-455-5p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018596	9_+_116971765_116971782	ATGCAGTCCATGGGCATA	45774	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018597	9_+_116971765_116971783	ATGCAGTCCATGGGCATAC	45775	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018598	9_+_116971765_116971784	ATGCAGTCCATGGGCATATA	45776	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018599	9_+_116971765_116971785	ATGCAGTCCATGGGCATATAC	45777	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018600	9_+_116971765_116971786	ATGCAGTCCATGGGCATATACA	45778	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018601	9_+_116971765_116971787	ATGCAGTCCATGGGCATATACAC	45779	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018602	9_+_116971766_116971788	TGCAGTCCATGGGCATATACACT	45780	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018603	9_+_116971767_116971784	GCAGTCCATGGGCATATA	45781	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018604	9_+_116971767_116971786	GCAGTCCATGGGCATATACA	45782	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018605	9_+_116971767_116971788	GCAGTCCATGGGCATATACACT	45783	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018606	9_+_116971767_116971789	GCAGTCCATGGGCATATACACTT	45784	hsa-miR-455-3p;Derives_from=MI0003513

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018607	9_+_116971767_116971790	GCAGTCCATGGGCATATACACTTG	45785	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018608	9_+_116971768_116971788	CAGTCCATGGGCATATACACT	45786	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018609	9_+_116971768_116971789	CAGTCCATGGGCATATACACTT	45787	hsa-miR-455-3p;Derives_from=MI0003513
NovelMiR_KnownLoci_ID0018610	9_-_123007258_123007282	GTGTGTGGAAATGCTTCTGCTAGAT	45788	hsa-miR-147a;Derives_from=MI0000262
NovelMiR_KnownLoci_ID0018611	9_-_123007260_123007282	GTGTGTGGAAATGCTTCTGCTAG	45789	hsa-miR-147a;Derives_from=MI0000262
NovelMiR_KnownLoci_ID0018612	9_-_123007261_123007282	GTGTGTGGAAATGCTTCTGCTA	45790	hsa-miR-147a;Derives_from=MI0000262
NovelMiR_KnownLoci_ID0018613	9_-_123007262_123007282	GTGTGTGGAAATGCTTCTGCT	45791	hsa-miR-147a;Derives_from=MI0000262
NovelMiR_KnownLoci_ID0018614	9_-_123007264_123007282	GTGTGTGGAAATGCTTCTG	45792	hsa-miR-147a;Derives_from=MI0000262
NovelMiR_KnownLoci_ID0018615	9_-_124882423_124882441	AGGCTGAGCTGAGGAGCCT	45793	hsa-miR-4478;Derives_from=MI0016831
NovelMiR_KnownLoci_ID0018616	9_-_124882425_124882442	GAGGCTGAGCTGAGGAGC	45794	hsa-miR-4478;Derives_from=MI0016831
NovelMiR_KnownLoci_ID0018617	9_-_125873836_125873857	CAGACAAGAGCCTTGCTCAGGC	45795	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018618	9_-_125873836_125873858	ACAGACAAGAGCCTTGCTCAGGC	45796	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018619	9_-_125873837_125873858	ACAGACAAGAGCCTTGCTCAGG	45797	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018620	9_-_125873837_125873859	TACAGACAAGAGCCTTGCTCAGG	45798	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018621	9_-_125873837_125873860	TTACAGACAAGAGCCTTGCTCAGG	45799	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018622	9_-_125873838_125873858	ACAGACAAGAGCCTTGCTCAG	45800	hsa-miR-600;Derives_from=MI0003613

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018623	9_-_125873838_125873859	TACAGACAAGAGCCTTGCTCAG	45801	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018624	9_-_125873838_125873860	TTACAGACAAGAGCCTTGCTCAG	45802	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018625	9_-_125873841_125873862	ACTTACAGACAAGAGCCTTGCT	45803	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018626	9_-_125873841_125873863	TACTTACAGACAAGAGCCTTGCT	45804	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018627	9_-_125873842_125873862	ACTTACAGACAAGAGCCTTGC	45805	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018628	9_-_125873842_125873863	TACTTACAGACAAGAGCCTTGC	45806	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018629	9_-_125873843_125873860	TTACAGACAAGAGCCTTG	45807	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018630	9_-_125873843_125873862	ACTTACAGACAAGAGCCTTG	45808	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018631	9_-_125873843_125873863	TACTTACAGACAAGAGCCTTG	45809	hsa-miR-600;Derives_from=MI0003613
NovelMiR_KnownLoci_ID0018632	9_+_127454756_127454772	AGGAACATTCAACGCTG	45810	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018633	9_+_127454756_127454778	AGGAACATTCAACGCTGTCGGTG	45811	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018634	9_+_127454756_127454779	AGGAACATTCAACGCTGTCGGTGA	45812	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018635	9_+_127454756_127454781	AGGAACATTCAACGCTGTCGGTGAGT	45813	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018636	9_+_127454757_127454776	GGAACATTCAACGCTGTCGG	45814	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018637	9_+_127454757_127454780	GGAACATTCAACGCTGTCGGTGAG	45815	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018638	9_+_127454757_127454781	GGAACATTTCAACGCTGTCGGTGAGT	45816	hsa-miR-181a-5p;Derives_from=MI0000269

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018639	9_+_127454757_127454782	GGAACATTCAACGCTGTCGGTGAGTT	45817	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018640	9_+_127454759_127454774	AACATTCAACGCTGTC	45818	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018641	9_+_127454759_127454776	AACATTCAACGCTGTCGG	45819	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018642	9_+_127454759_127454779	AACATTCAACGCTGTCGGTGA	45820	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018643	9_+_127454759_127454780	AACATTCAACGCTGTCGGTGAG	45821	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018644	9_+_127454759_127454782	AACATTCAACGCTGTCGGTGAGTT	45822	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018645	9_+_127454759_127454786	AACATTCAACGCTGTCGGTGAGTTTGGG	45823	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018646	9_+_127454760_127454781	ACATTCAACGCTGTCGGTGAGT	45824	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018647	9_+_127454760_127454786	ACATTCAACGCTGTCGGTGAGTTTGGG	45825	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018648	9_+_127454761_127454787	CATTCAACGCTGTCGGTGAGTTTGGGA	45826	hsa-miR-181a-5p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018649	9_+_127454797_127454813	ACCACTGACCGTTGACT	45827	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018650	9_+_127454797_127454814	ACCACTGACCGTTGACTG	45828	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018651	9_+_127454797_127454815	ACCACTGACCGTTGACTGT	45829	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018652	9_+_127454797_127454816	ACCACTGACCGTTGACTGTA	45830	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018653	9_+_127454797_127454817	ACCACTGACCGTTGACTGTAC	45831	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018654	9_+_127454797_127454819	ACCACTGACCGTTGACTGTACCT	45832	hsa-miR-181a-2-3p;Derives_from=MI0000269

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018655	9_+_127454797_127454820	ACCACTGACCGTTGACTGTACCTT	45833	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018656	9_+_127454797_127454823	ACCACTGACCGTTGACTGTACCTTGGG	45834	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018657	9_+_127454800_127454821	ACTGACCGTTGACTGTACCTTG	45835	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018658	9_+_127454802_127454821	TGACCGTTGACTGTACCTTG	45836	hsa-miR-181a-2-3p;Derives_from=MI0000269
NovelMiR_KnownLoci_ID0018659	9_+_127456003_127456028	CAACATTCATTGCTGTCGGTGGGTTT	45837	hsa-miR-181b-5p;Derives_from=MI0000683
NovelMiR_KnownLoci_ID0018660	9_+_127456004_127456028	AACATTCATTGCTGTCGGTGGGTTT	45838	hsa-miR-181b-5p;Derives_from=MI0000683
NovelMiR_KnownLoci_ID0018661	9_+_127456004_127456029	AACATTCATTGCTGTCGGTGGGTTTG	45839	hsa-miR-181b-5p;Derives_from=MI0000683
NovelMiR_KnownLoci_ID0018662	9_+_127456004_127456030	AACATTCATTGCTGTCGGTGGGTTTGA	45840	hsa-miR-181b-5p;Derives_from=MI0000683
NovelMiR_KnownLoci_ID0018663	9_+_127456004_127456031	AACATTCATTGCTGTCGGTGGGTTTGAG	45841	hsa-miR-181b-5p;Derives_from=MI0000683
NovelMiR_KnownLoci_ID0018664	9_+_127456005_127456028	ACATTCATTGCTGTCGGTGGGTTT	45842	hsa-miR-181b-5p;Derives_from=MI0000683
NovelMiR_KnownLoci_ID0018665	9_-_130453039_130453063	TGTGTGGATCCTGGAGGAGGCAGAG	45843	hsa-miR-3911;Derives_from=MI0016415
NovelMiR_KnownLoci_ID0018666	9_-_130453040_130453063	TGTGTGGATCCTGGAGGAGGCAGA	45844	hsa-miR-3911;Derives_from=MI0016415
NovelMiR_KnownLoci_ID0018667	9_-_130453041_130453063	TGTGTGGATCCTGGAGGAGGCAG	45845	hsa-miR-3911;Derives_from=MI0016415
NovelMiR_KnownLoci_ID0018668	9_-_130453043_130453063	TGTGTGGATCCTGGAGGAGGC	45846	hsa-miR-3911;Derives_from=MI0016415
NovelMiR_KnownLoci_ID0018669	9_-_130453044_130453063	TGTGTGGATCCTGGAGGAGG	45847	hsa-miR-3911;Derives_from=MI0016415
NovelMiR_KnownLoci_ID0018670	9_-_130453045_130453063	TGTGTGGATCCTGGAGGAG	45848	hsa-miR-3911;Derives_from=MI0016415

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018671	9_+_130548156_130548179	GTGGCGGCGGCGGAGGCGGGGGCA	45849	hsa-miR-3960;Derives_from=MI0016964
NovelMiR_KnownLoci_ID0018672	9_+_130548160_130548180	CGGCGGCGGAGGCGGGGGCAG	45850	hsa-miR-3960;Derives_from=MI0016964
NovelMiR_KnownLoci_ID0018673	9_+_130548160_130548181	CGGCGGCGGAGGCGGGGGCAGC	45851	hsa-miR-3960;Derives_from=MI0016964
NovelMiR_KnownLoci_ID0018674	9_+_130548163_130548183	CGGCGGAGGCGGGGGCAGCGG	45852	hsa-miR-3960;Derives_from=MI0016964
NovelMiR_KnownLoci_ID0018675	9_+_130548255_130548274	CTGGCGGTGGGCGGCGGGCG	45853	hsa-miR-2861;Derives_from=MI0013006
NovelMiR_KnownLoci_ID0018676	9_+_130548257_130548274	GGCGGTGGGCGGCGGGCG	45854	hsa-miR-2861;Derives_from=MI0013006
NovelMiR_KnownLoci_ID0018677	9_-_130631698_130631723	TACACAGCTGGACAGAGGCACGAAAC	45855	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018678	9_-_130631698_130631724	TTACACAGCTGGACAGAGGCACGAAAC	45856	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018679	9_-_130631701_130631723	TACACAGCTGGACAGAGGCACGA	45857	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018680	9_-_130631701_130631724	TTACACAGCTGGACAGAGGCACGA	45858	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018681	9_-_130631702_130631724	TTACACAGCTGGACAGAGGCACG	45859	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018682	9_-_130631703_130631724	TTACACAGCTGGACAGAGGCAC	45860	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018683	9_-_130631706_130631724	TTACACAGCTGGACAGAGG	45861	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018684	9_-_130631711_130631730	TCTTGGTTACACAGCTGGAC	45862	hsa-miR-4672;Derives_from=MI0017303
NovelMiR_KnownLoci_ID0018685	9_-_131007024_131007050	ATTGTACAGTAGTCTGCACATTGGTTA	45863	hsa-miR-199b-3p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018686	9_-_131007024_131007051	AATTGTACAGTAGTCTGCACATTGGTTA	45864	hsa-miR-199b-3p;Derives_from=MI0000282

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018687	9_-_131007025_131007046	TACAGTAGTCTGCACATTGGTT	45865	hsa-miR-199b-3p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018688	9_-_131007025_131007050	ATTGTACAGTAGTCTGCACATTGGTT	45866	hsa-miR-199b-3p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018689	9_-_131007031_131007051	AATTGTACAGTAGTCTGCACA	45867	hsa-miR-199b-3p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018690	9_-_131007058_131007084	CCCAGTGTTTAGACTATCTGTTCAGGA	45868	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018691	9_-_131007060_131007084	CCCAGTGTTTAGACTATCTGTTCAG	45869	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018692	9_-_131007061_131007084	CCCAGTGTTTAGACTATCTGTTCA	45870	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018693	9_-_131007063_131007084	CCCAGTGTTTAGACTATCTGTT	45871	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018694	9_-_131007064_131007084	CCCAGTGTTTAGACTATCTGT	45872	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018695	9_-_131007065_131007084	CCCAGTGTTTAGACTATCTG	45873	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018696	9_-_131007066_131007084	CCCAGTGTTTAGACTATCT	45874	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018697	9_-_131007067_131007084	CCCAGTGTTTAGACTATC	45875	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018698	9_-_131007068_131007084	CCCAGTGTTTAGACTAT	45876	hsa-miR-199b-5p;Derives_from=MI0000282
NovelMiR_KnownLoci_ID0018699	9_-_131007233_131007256	CAGAAGGGGAGTTGGGAGCAGAGA	45877	hsa-miR-3154;Derives_from=MI0014182
NovelMiR_KnownLoci_ID0018700	9_-_131007234_131007256	CAGAAGGGGAGTTGGGAGCAGAG	45878	hsa-miR-3154;Derives_from=MI0014182
NovelMiR_KnownLoci_ID0018701	9_-_131007236_131007256	CAGAAGGGGAGTTGGGAGCAG	45879	hsa-miR-3154;Derives_from=MI0014182
NovelMiR_KnownLoci_ID0018702	9_-_131007237_131007256	CAGAAGGGGAGTTGGGAGCA	45880	hsa-miR-3154;Derives_from=MI0014182

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018703	9_-_131007238_131007256	CAGAAGGGGAGTTGGGAGC	45881	hsa-miR-3154;Derives_from=MI0014182
NovelMiR_KnownLoci_ID0018704	9_-_131154909_131154932	AGAATTGTGGCTGGACATCTGTGG	45882	hsa-miR-219a-2-3p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018705	9_-_131154912_131154932	AGAATTGTGGCTGGACATCTG	45883	hsa-miR-219a-2-3p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018706	9_-_131154912_131154933	GAGAATTGTGGCTGGACATCTG	45884	hsa-miR-219a-2-3p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018707	9_+_131154913_131154928	AGATGTCCAGCCACAA	45885	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018708	9_+_131154913_131154929	AGATGTCCAGCCACAAT	45886	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018709	9_+_131154913_131154930	AGATGTCCAGCCACAATT	45887	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018710	9_+_131154913_131154931	AGATGTCCAGCCACAATTC	45888	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018711	9_-_131154913_131154932	AGAATTGTGGCTGGACATCT	45889	hsa-miR-219a-2-3p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018712	9_+_131154913_131154932	AGATGTCCAGCCACAATTCT	45890	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018713	9_-_131154913_131154933	GAGAATTGTGGCTGGACATCT	45891	hsa-miR-219a-2-3p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018714	9_+_131154913_131154933	AGATGTCCAGCCACAATTCTC	45892	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018715	9_-_131154913_131154934	CGAGAATTGTGGCTGGACATCT	45893	hsa-miR-219a-2-3p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018716	9_+_131154913_131154935	AGATGTCCAGCCACAATTCTCGG	45894	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018717	9_+_131154913_131154936	AGATGTCCAGCCACAATTCTCGGT	45895	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018718	9_-_131154914_131154932	AGAATTGTGGCTGGACATC	45896	hsa-miR-219a-2-3p;Derives_from=MI0000740

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018719	9_+_131154914_131154934	GATGTCCAGCCACAATTCTCG	45897	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018720	9_+_131154914_131154935	GATGTCCAGCCACAATTCTCGG	45898	hsa-miR-219b-5p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018721	9_-_131154949_131154966	AAACGCAATTCTTGTACG	45899	hsa-miR-219a-5p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018722	9_+_131154949_131154969	CGTACAAGAATTGCGTTTGGA	45900	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018723	9_+_131154950_131154974	GTACAAGAATTGCGTTTGGACAATC	45901	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018724	9_+_131154951_131154971	TACAAGAATTGCGTTTGGACA	45902	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018725	9_+_131154951_131154972	TACAAGAATTGCGTTTGGACAA	45903	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018726	9_+_131154951_131154974	TACAAGAATTGCGTTTGGACAATC	45904	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018727	9_-_131154952_131154975	TGATTGTCCAAACGCAATTCTTGT	45905	hsa-miR-219a-5p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018728	9_-_131154953_131154975	TGATTGTCCAAACGCAATTCTTG	45906	hsa-miR-219a-5p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018729	9_+_131154954_131154973	AAGAATTGCGTTTGGACAAT	45907	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018730	9_+_131154954_131154974	AAGAATTGCGTTTGGACAATC	45908	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018731	9_-_131154954_131154975	TGATTGTCCAAACGCAATTCTT	45909	hsa-miR-219a-5p;Derives_from=MI0000740
NovelMiR_KnownLoci_ID0018732	9_+_131154954_131154975	AAGAATTGCGTTTGGACAATCA	45910	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018733	9_+_131154954_131154976	AAGAATTGCGTTTGGACAATCAG	45911	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018734	9_+_131154954_131154977	AAGAATTGCGTTTGGACAATCAGT	45912	hsa-miR-219b-3p;Derives_from=MI0017299

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018735	9_+_131154957_131154977	AATTGCGTTTGGACAATCAGT	45913	hsa-miR-219b-3p;Derives_from=MI0017299
NovelMiR_KnownLoci_ID0018736	9_+_132631887_132631910	GCTTGGGGTTTGGGGTGCAGACAT	45914	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018737	9_+_132631888_132631910	CTTGGGGTTTGGGGTGCAGACAT	45915	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018738	9_+_132631888_132631911	CTTGGGGTTTGGGGTGCAGACATT	45916	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018739	9_+_132631889_132631909	TTGGGGTTTGGGGTGCAGACA	45917	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018740	9_+_132631889_132631910	TTGGGGTTTGGGGTGCAGACAT	45918	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018741	9_+_132631889_132631911	TTGGGGTTTGGGGTGCAGACATT	45919	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018742	9_+_132631889_132631912	TTGGGGTTTGGGGTGCAGACATTG	45920	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018743	9_+_132631889_132631914	TTGGGGTTTGGGGTGCAGACATTGCC	45921	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018744	9_+_132631890_132631912	TGGGGTTTGGGGTGCAGACATTG	45922	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018745	9_+_132631890_132631913	TGGGGTTTGGGGTGCAGACATTGC	45923	hsa-miR-6855-5p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018746	9_+_132631927_132631951	GCAGACTGACCTTCAACCCCACAGG	45924	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018747	9_+_132631928_132631949	CAGACTGACCTTCAACCCCACA	45925	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018748	9_+_132631928_132631950	CAGACTGACCTTCAACCCCACAG	45926	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018749	9_+_132631928_132631951	CAGACTGACCTTCAACCCCACAGG	45927	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018750	9_+_132631929_132631945	AGACTGACCTTCAACCC	45928	hsa-miR-6855-3p;Derives_from=MI0022701

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018751	9_+_132631929_132631947	AGACTGACCTTCAACCCCA	45929	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018752	9_+_132631929_132631948	AGACTGACCTTCAACCCCAC	45930	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018753	9_+_132631929_132631949	AGACTGACCTTCAACCCCACA	45931	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018754	9_+_132631929_132631951	AGACTGACCTTCAACCCCACAGG	45932	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018755	9_+_132631929_132631952	AGACTGACCTTCAACCCCACAGGT	45933	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018756	9_+_132631929_132631953	AGACTGACCTTCAACCCCACAGGTA	45934	hsa-miR-6855-3p;Derives_from=MI0022701
NovelMiR_KnownLoci_ID0018757	9_+_133501689_133501709	AAGAGAGGAGCAGTGGTGCTG	45935	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018758	9_+_133501689_133501710	AAGAGAGGAGCAGTGGTGCTGT	45936	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018759	9_+_133501689_133501713	AAGAGAGGAGCAGTGGTGCTGTGGC	45937	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018760	9_+_133501690_133501709	AGAGAGGAGCAGTGGTGCTG	45938	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018761	9_+_133501690_133501712	AGAGAGGAGCAGTGGTGCTGTGG	45939	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018762	9_+_133501690_133501713	AGAGAGGAGCAGTGGTGCTGTGGC	45940	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018763	9_+_133501691_133501712	GAGAGGAGCAGTGGTGCTGTGG	45941	hsa-miR-6856-5p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018764	9_+_133501725_133501750	TCGCTACAGCCCTGTGATCTTTCCAG	45942	hsa-miR-6856-3p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018765	9_+_133501729_133501751	TACAGCCCTGTGATCTTTCCAGG	45943	hsa-miR-6856-3p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018766	9_+_133501730_133501750	ACAGCCCTGTGATCTTTCCAG	45944	hsa-miR-6856-3p;Derives_from=MI0022702

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018767	9_+_133501730_133501751	ACAGCCCTGTGATCTTTCCAGC	45945	hsa-miR-6856-3p;Derives_from=MI0022702
NovelMiR_KnownLoci_ID0018768	9_+_135821095_135821114	AGGTCGGTGCAAAAGTCATC	45946	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018769	9_+_135821095_135821117	AGGTCGGTGCAAAAGTCATCACG	45947	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018770	9_+_135821096_135821117	GGTCGGTGCAAAAGTCATCACG	45948	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018771	9_+_135821097_135821115	GTCGGTGCAAAAGTCATCA	45949	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018772	9_+_135821097_135821117	GTCGGTGCAAAAGTCATCACG	45950	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018773	9_+_135821097_135821118	GTCGGTGCAAAAGTCATCACGG	45951	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018774	9_+_135821097_135821119	GTCGGTGCAAAAGTCATCACGGT	45952	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018775	9_+_135821097_135821120	GTCGGTGCAAAAGTCATCACGGTT	45953	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018776	9_+_135821097_135821121	GTCGGTGCAAAAGTCATCACGGTTT	45954	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018777	9_+_135821098_135821119	TCGGTGCAAAAGTCATCACGGT	45955	hsa-miR-548aw;Derives_from=MI0019283

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018778	9_+_135821098_135821120	TCGGTGCAAAAGTCATCACGGTT	45956	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018779	9_+_135821099_135821119	CGGTGCAAAAGTCATCACGGT	45957	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018780	9_+_135821099_135821120	CGGTGCAAAAGTCATCACGGTT	45958	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018781	9_+_135821099_135821121	CGGTGCAAAAGTCATCACGGTTT	45959	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018782	9_+_135821100_135821119	GGTGCAAAAGTCATCACGGT	45960	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018783	9_+_135821100_135821120	GGTGCAAAAGTCATCACGGTT	45961	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018784	9_+_135821101_135821121	GTGCAAAAGTCATCACGGTTT	45962	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018785	9_+_135821101_135821122	GTGCAAAAGTCATCACGGTTTT	45963	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018786	9_+_135821102_135821120	TGCAAAAGTCATCACGGTT	45964	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018787	9_+_135821106_135821126	AAAGTCATCACGGTTTTTACC	45965	hsa-miR-548aw;Derives_from=MI0019283
NovelMiR_KnownLoci_ID0018788	9_+_135927385_135927407	TTCAGGGCCGAAGGGTGGAAGCT	45966	hsa-miR-6877-5p;Derives_from=MI0022724

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018789	9_+_135927386_135927405	TCAGGGCCGAAGGGTGGAAG	45967	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018790	9_+_135927386_135927406	TCAGGGCCGAAGGGTGGAAGC	45968	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018791	9_+_135927386_135927407	TCAGGGCCGAAGGGTGGAAGCT	45969	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018792	9_+_135927386_135927408	TCAGGGCCGAAGGGTGGAAGCTG	45970	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018793	9_+_135927386_135927409	TCAGGGCCGAAGGGTGGAAGCTGC	45971	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018794	9_+_135927387_135927405	CAGGGCCGAAGGGTGGAAG	45972	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018795	9_+_135927387_135927406	CAGGGCCGAAGGGTGGAAGC	45973	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018796	9_+_135927387_135927407	CAGGGCCGAAGGGTGGAAGCT	45974	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018797	9_+_135927387_135927408	CAGGGCCGAAGGGTGGAAGCTG	45975	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018798	9_+_135927387_135927409	CAGGGCCGAAGGGTGGAAGCTGC	45976	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018799	9_+_135927388_135927405	AGGGCCGAACGGTGGAAG	45977	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018800	9_+_135927388_135927407	AGGGCCGAAGGGTGGAAGCT	45978	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018801	9_+_135927388_135927408	AGGGCCGAAGGGTGGAAGCTG	45979	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018802	9_+_135927388_135927410	AGGGCCGAAGGGTGGAAGCTGCT	45980	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018803	9_+_135927388_135927412	AGGGCCGAAGGGTGGAAGCTGCTG	45981	hsa-miR-6877-5p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018804	9_+_135927388_135927414	AGGGCCGAAGGGTGGAAGCTGCTG GTG	45982	hsa-miR-6877-5p;Derives_from=MI0022724

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018805	9_+_135927422_135927443	CAGCCTCTGCCCTTGGCCTCCC	45983	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018806	9_+_135927423_135927443	AGCCTCTGCCCTTGGCCTCCC	45984	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018807	9_+_135927423_135927445	AGCCTCTGCCCTTGGCCTCCCCA	45985	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018808	9_+_135927425_135927446	CCTCTGCCCTTGGCCTCCCCAG	45986	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018809	9_+_135927425_135927447	CCTCTGCCCTTGGCCTCCCCAGC	45987	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018810	9_+_135927425_135927448	CCTCTGCCCTTGGCCTCCCCAGCT	45988	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018811	9_+_135927426_135927447	CTCTGCCCTTGGCCTCCCCAGC	45989	hsa-miR-6877-3p;Derives_from=MI0022724
NovelMiR_KnownLoci_ID0018812	9_+_137271295_137271312	TGTGTCCGGGAAGTGGAG	45990	hsa-miR-4669;Derives_from=MI0017300
NovelMiR_KnownLoci_ID0018813	9_+_137271295_137271314	TGTGTCCGGGAAGTGGAGGA	45991	hsa-miR-4669;Derives_from=MI0017300
NovelMiR_KnownLoci_ID0018814	9_+_137271295_137271315	TGTGTCCGGGAAGTGGAGGAG	45992	hsa-miR-4669;Derives_from=MI0017300
NovelMiR_KnownLoci_ID0018815	9_+_137271295_137271320	TGTGTCCGGGAAGTGGAGGAGGGCCC	45993	hsa-miR-4669;Derives_from=MI0017300
NovelMiR_KnownLoci_ID0018816	9_-_137742628_137742650	TGTGATATCGTGCTTCCTGGGAC	45994	hsa-miR-3689f;Derives_from=MI0016837
NovelMiR_KnownLoci_ID0018817	9_-_137742629_137742649	GTGATATCGTGCTTCCTGGGA	45995	hsa-miR-3689f;Derives_from=MI0016837
NovelMiR_KnownLoci_ID0018818	9_-_137742630_137742650	TGTGATATCGTGCTTCCTGGG	45996	hsa-miR-3689f;Derives_from=MI0016837

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018819	9_-_137742631_137742650	TGTGATATCGTGCTTCCTGG	45997	hsa-miR-3689f;Derives_from=MI0016837
NovelMiR_KnownLoci_ID0018820	9_-_139414052_139414074	AGGCAGGAGCCGGACTGGACCTC	45998	hsa-miR-4673;Derives_from=MI0017304
NovelMiR_KnownLoci_ID0018821	9_-_139414054_139414077	TCCAGGCAGGAGCCGGACTGGACC	45999	hsa-miR-4673;Derives_from=MI0017304
NovelMiR_KnownLoci_ID0018822	9_-_139414055_139414077	TCCAGGCAGGAGCCGGACTGGAC	46000	hsa-miR-4673;Derives_from=MI0017304
NovelMiR_KnownLoci_ID0018823	9_-_139414057_139414077	TCCAGGCAGGAGCCGGACTGG	46001	hsa-miR-4673;Derives_from=MI0017304
NovelMiR_KnownLoci_ID0018824	9_-_139414058_139414077	TCCAGGCAGGAGCCGGACTG	46002	hsa-miR-4673;Derives_from=MI0017304
NovelMiR_KnownLoci_ID0018825	9_-_139440629_139440654	CTGGGCTCGGGACGCGCGGCTCAGCT	46003	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018826	9_-_139440631_139440650	GCTCGGGACGCGCGGCTCAG	46004	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018827	9_-_139440631_139440654	CTGGGCTCGGGACGCGCGGCTCAG	46005	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018828	9_-_139440632_139440654	CTGGGCTCGGGACGCGCGGCTCA	46006	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018829	9_-_139440633_139440654	CTGGGCTCGGGACGCGCGGCTC	46007	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018830	9_-_139440635_139440654	CTGGGCTCGGGACGCGCGGC	46008	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018831	9_-_139440636_139440654	CTGGGCTCGGGACGCGCGG	46009	hsa-miR-4674;Derives_from=MI0017305
NovelMiR_KnownLoci_ID0018832	9_+_139565068_139565085	CATTATTACTTTTGGTAC	46010	hsa-miR-126-5p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018833	9_+_139565068_139565086	CATTATTACTTTTGGTACG	46011	hsa-miR-126-5p;Derives_from=MI0000471

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018834	9_+_139565068_139565087	CATTATTACTTTTGGTACGC	46012	hsa-miR-126-5p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018835	9_+_139565068_139565089	CATTATTACTTTTGGTACGCGC	46013	hsa-miR-126-5p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018836	9_+_139565068_139565090	CATTATTACTTTTGGTACGCGCT	46014	hsa-miR-126-5p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018837	9_+_139565104_139565125	CTCGTACCGTGAGTAATAATGC	46015	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018838	9_+_139565105_139565121	TCGTACCGTGAGTAATA	46016	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018839	9_+_139565105_139565122	TCGTACCGTGAGTAATAA	46017	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018840	9_+_139565105_139565123	TCGTACCGTGAGTAATAAT	46018	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018841	9_+_139565105_139565124	TCGTACCGTGAGTAATAATG	46019	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018842	9_+_139565105_139565125	TCGTACCGTGAGTAATAATGC	46020	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018843	9_+_139565105_139565127	TCGTACCGTGAGTAATAATGCGC	46021	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018844	9_+_139565105_139565128	TCGTACCGTGAGTAATAATGCGCC	46022	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018845	9_+_139565106_139565123	CGTACCGTGAGTAATAAT	46023	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018846	9_+_139565106_139565125	CGTACCGTGAGTAATAATGC	46024	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018847	9_+_139565106_139565126	CGTACCGTGAGTAATAATGCG	46025	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018848	9_+_139565106_139565127	CGTACCGTGAGTAATAATGCGC	46026	hsa-miR-126-3p;Derives_from=MI0000471
NovelMiR_KnownLoci_ID0018849	9_-_139641390_139641412	AGGCGCACCCGACCACATGCATG	46027	hsa-miR-6722-5p;Derives_from=MI0022557

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018850	9_-_139641392_139641412	AGGCGCACCCGACCACATGCA	46028	hsa-miR-6722-5p;Derives_from=MI0022557
NovelMiR_KnownLoci_ID0018851	9_+_139725444_139725462	GGTGCCCCTGGGCCGGCCT	46029	hsa-miR-4292;Derives_from=MI0015897
NovelMiR_KnownLoci_ID0018852	9_+_139781223_139781242	GGAACGCGCGCGGCCGTGCT	46030	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018853	9_+_139781229_139781244	CGCGCGGCCGTGCTCG	46031	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018854	9_+_139781229_139781246	CGCGCGGCCGTGCTCGGA	46032	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018855	9_+_139781229_139781247	CGCGCGGCCGTGCTCGGAG	46033	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018856	9_+_139781229_139781248	CGCGCGGCCGTGCTCGGAGC	46034	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018857	9_+_139781229_139781249	CGCGCGGCCGTGCTCGGAGCA	46035	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018858	9_+_139781229_139781251	CGCGCGGCCGTGCTCGGAGCAGC	46036	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018859	9_+_139781229_139781252	CGCGCGGCCGTGCTCGGAGCAGCG	46037	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018860	9_+_139781233_139781251	CGGCCGTGCTCGGAGCAGC	46038	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018861	9_+_139781235_139781252	GCCGTGCTCGGAGCAGCG	46039	hsa-miR-4479;Derives_from=MI0016838
NovelMiR_KnownLoci_ID0018862	9_-_140063682_140063699	GGGGTCTGCAGGGCGGTG	46040	hsa-miR-3621;Derives_from=MI0016012
NovelMiR_KnownLoci_ID0018863	9_-_140063684_140063705	CGGGTCGGGGTCTGCAGGGCGG	46041	hsa-miR-3621;Derives_from=MI0016012
NovelMiR_KnownLoci_ID0018864	9_-_140063697_140063713	TGGGGACGCGGGTCGGG	46042	hsa-miR-3621;Derives_from=MI0016012
NovelMiR_KnownLoci_ID0018865	9_-_140344474_140344498	TGACCCACCCCTCTCCACCAGCTTC	46043	hsa-miR-7114-3p;Derives_from=MI0022965

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018866	9_-_140344475_140344498	TGACCCACCCCTCTCCACCAGCTT	46044	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018867	9_-_140344476_140344498	TGACCCACCCCTCTCCACCAGCT	46045	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018868	9_-_140344476_140344503	CTGGGTGACCCACCCCTCTCCACCAGCT	46046	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018869	9_-_140344477_140344497	GACCCACCCCTCTCCACCAGC	46047	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018870	9_-_140344477_140344498	TGACCCACCCCTCTCCACCAGC	46048	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018871	9_-_140344477_140344499	GTGACCCACCCCTCTCCACCAGC	46049	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018872	9_-_140344478_140344499	GTGACCCACCCCTCTCCACCAG	46050	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018873	9_-_140344479_140344499	GTGACCCACCCCTCTCCACCA	46051	hsa-miR-7114-3p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018874	9_-_140344507_140344531	TGTGGAGTGGGGTGCCTGTCCCCTG	46052	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018875	9_-_140344507_140344533	TCTGTGGAGTGGCGTGCCTGTCCCCTG	46053	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018876	9_-_140344508_140344531	TGTGGAGTGGGGTGCCTGTCCCCT	46054	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018877	9_-_140344509_140344531	TGTGGAGTGGGGTGCCTGTCCCC	46055	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018878	9_-_140344510_140344531	TGTGGAGTGGGGTGCCTGTCCC	46056	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018879	9_-_140344511_140344531	TGTGGAGTGGGGTGCCTGTCC	46057	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018880	9_-_140344512_140344531	TGTGGAGTGGGGTGCCTGTC	46058	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018881	9_-_140344513_140344531	TGTGGAGTGGGGTGCCTGT	46059	hsa-miR-7114-5p;Derives_from=MI0022965

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018882	9_-_140344515_140344533	TCTGTGGAGTGGGGTGCCT	46060	hsa-miR-7114-5p;Derives_from=MI0022965
NovelMiR_KnownLoci_ID0018883	9_+_140732885_140732905	TGACACGGGCGACAGCTGCGG	46061	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018884	9_+_140732885_140732908	TGACACGGGCGACAGCTGCGGCCC	46062	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018885	9_+_140732886_140732902	GACACGGGCGACAGCTG	46063	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018886	9_+_140732886_140732903	GACACGGGCGACAGCTGC	46064	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018887	9_+_140732886_140732904	GACACGGGCGACAGCTGCG	46065	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018888	9_+_140732886_140732905	GACACGGGCGACAGCTGCGG	46066	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018889	9_+_140732886_140732909	GACACGGGCGACAGCTGCGGCCCG	46067	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018890	9_+_140732886_140732910	GACACGGGCGACAGCTGCGGCCCGC	46068	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018891	9_+_140732886_140732911	GACACGGGCGACAGCTGCGGCCCGCT	46069	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018892	9_+_140732887_140732906	ACACGGGCGACAGCTGCGGC	46070	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018893	9_+_140732887_140732907	ACACGGGCGACAGCTGCGGCC	46071	hsa-miR-602;Derives_from=MI0003615
NovelMiR_KnownLoci_ID0018894	9_+_18573308_18573323	AGAGTTATTGCCTCTG	46072	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018895	9_+_18573312_18573333	TTATTGCCTCTGTTCTAACACA	46073	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018896	9_+_18573312_18573334	TTATTGCCTCTGTTCTAACACAA	46074	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018897	9_+_18573314_18573332	ATTGCCTCTGTTCTAACAC	46075	hsa-miR-3152-5p;Derives_from=MI0014179

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018898	9_+_18573314_18573333	ATTGCCTCTGTTCTAACACA	46076	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018899	9_+_18573314_18573334	ATTGCCTCTGTTCTAACACAA	46077	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018900	9_+_18573314_18573336	ATTGCCTCTGTTCTAACACAAGA	46078	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018901	9_+_18573315_18573336	TTGCCTCTGTTCTAACACAAGA	46079	hsa-miR-3152-5p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018902	9_+_18573347_18573367	CTGTGTTAGAATAGGGGCAAT	46080	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018903	9_+_18573347_18573368	CTGTGTTAGAATAGGGGCAATA	46081	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018904	9_+_18573348_18573364	TGTGTTAGAATAGGGGC	46082	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018905	9_+_18573348_18573370	TGTGTTAGAATAGGGGCAATAAC	46083	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018906	9_+_18573349_18573369	GTGTTAGAATAGGGGCAATAA	46084	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018907	9_+_18573350_18573371	TGTTAGAATAGGGGCAATAACT	46085	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018908	9_+_18573351_18573369	GTTAGAATAGGGGCAATAA	46086	hsa-miR-3152-3p;Derives_from=MI0014179
NovelMiR_KnownLoci_ID0018909	9_-_20411154_20411176	TGCTCTCCGTTACAAGTATCCCC	46087	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018910	9_-_20411157_20411176	TGCTCTCCGTTACAAGTATC	46088	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018911	9_-_20411157_20411178	AGTGCTCTCCGTTACAAGTATC	46089	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018912	9_-_20411157_20411179	TAGTGCTCTCCGTTACAAGTATC	46090	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018913	9_-_20411158_20411178	AGTGCTCTCCGTTACAAGTAT	46091	hsa-miR-4473;Derives_from=MI0016825

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018914	9_-_20411158_20411179	TAGTGCTCTCCGTTACAAGTAT	46092	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018915	9_-_20411158_20411180	CTAGTGCTCTCCGTTACAAGTAT	46093	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018916	9_-_20411159_20411176	TGCTCTCCGTTACAAGTA	46094	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018917	9_-_20411159_20411179	TAGTGCTCTCCGTTACAAGTA	46095	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018918	9_-_20411160_20411179	TAGTGCTCTCCGTTACAAGT	46096	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018919	9_-_20411160_20411180	CTAGTGCTCTCCGTTACAAGT	46097	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018920	9_-_20411161_20411180	CTAGTGCTCTCCGTTACAAG	46098	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018921	9_-_20411164_20411180	CTAGTGCTCTCCGTTAC	46099	hsa-miR-4473;Derives_from=MI0016825
NovelMiR_KnownLoci_ID0018922	9_-_20502273_20502295	TGTGGCTGGTCATGAGGCTAACA	46100	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018923	9_-_20502274_20502295	TGTGGCTGGTCATGAGGCTAAC	46101	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018924	9_-_20502274_20502296	TTGTGGCTGGTCATGAGGCTAAC	46102	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018925	9_-_20502275_20502295	TGTGGCTGGTCATGAGGCTAA	46103	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018926	9_-_20502276_20502296	TTGTGGCTGGTCATGAGGCTA	46104	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018927	9_-_20502277_20502296	TTGTGGCTGGTCATGAGGCT	46105	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018928	9_-_20502278_20502296	TTGTGGCTGGTCATGAGGC	46106	hsa-miR-4474-3p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018929	9_-_20502279_20502296	TTGTGGCTGGTCATGAGG	46107	hsa-miR-4474-3p;Derives_from=MI0016826

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018930	9_-_20502304_20502326	AGTCTCATGATCAGACACAAATA	46108	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018931	9_-_20502305_20502326	AGTCTCATGATCAGACACAAAT	46109	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018932	9_-_20502306_20502328	TTAGTCTCATGATCAGACACAAA	46110	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018933	9_-_20502307_20502327	TAGTCTCATGATCAGACACAA	46111	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018934	9_-_20502307_20502328	TTAGTCTCATGATCAGACACAA	46112	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018935	9_-_20502308_20502326	AGTCTCATGATCAGACACA	46113	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018936	9_-_20502309_20502330	TGTTAGTCTCATGATCAGACAC	46114	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018937	9_-_20502310_20502328	TTAGTCTCATGATCAGACA	46115	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018938	9_-_20502310_20502331	TTGTTAGTCTCATGATCAGACA	46116	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018939	9_-_20502312_20502330	TGTTAGTCTCATGATCAGA	46117	hsa-miR-4474-5p;Derives_from=MI0016826
NovelMiR_KnownLoci_ID0018940	9_+_20716119_20716137	AGTGGGGAACCCTTCCATG	46118	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018941	9_+_20716119_20716138	AGTGGGGAACCCTTCCATGA	46119	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018942	9_+_20716119_20716139	AGTGGGGAACCCTTCCATGAG	46120	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018943	9_+_20716119_20716141	AGTGGGGAACCCTTCCATGAGGA	46121	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018944	9_+_20716119_20716142	AGTGGGGAACCCTTCCATGAGGAG	46122	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018945	9_+_20716119_20716143	AGTGGGGAACCCTTCCATGAGGAGT	46123	hsa-miR-491-5p;Derives_from=MI0003126

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018946	9_+_20716120_20716142	GTGGGGAACCCTTCCATGAGGAG	46124	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018947	9_+_20716121_20716142	TGGGGAACCCTTCCATGAGGAG	46125	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018948	9_+_20716121_20716143	TGGGGAACCCTTCCATGAGGAGT	46126	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018949	9_+_20716121_20716144	TGGGGAACCCTTCCATGAGGAGTA	46127	hsa-miR-491-5p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018950	9_+_20716151_20716172	TCCTTATGCAAGATTCCCTTCT	46128	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018951	9_+_20716151_20716175	TCCTTATGCAAGATTCCCTTCTAC C	46129	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018952	9_+_20716153_20716171	CTTATGCAAGATTCCCTTC	46130	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018953	9_+_20716153_20716172	CTTATGCAAGATTCCCTTCT	46131	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018954	9_+_20716153_20716173	CTTATGCAAGATTCCCTTCTA	46132	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018955	9_+_20716153_20716175	CTTATGCAAGATTCCCTTCTACC	46133	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018956	9_+_20716153_20716176	CTTATGCAAGATTCCCTTCTACCT	46134	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018957	9_+_20716154_20716173	TTATGCAAGATTCCCTTCTA	46135	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018958	9_+_20716154_20716174	TTATGCAAGATTCCCTTCTAC	46136	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018959	9_+_20716154_20716175	TTATGCAAGATTCCCTTCTACC	46137	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018960	9_+_20716154_20716176	TTATGCAAGATTCCCTTCTACCT	46138	hsa-miR-491-3p;Derives_from=MI0003126
NovelMiR_KnownLoci_ID0018961	9_-_21512115_21512138	TATGCCAACATATTGCCATCTTTC	46139	hsa-miR-31-3p;Derives_from=MI0000089

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018962	9_-_21512115_21512141	TGCTATGCCAACATATTGCCATCTTTC	46140	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018963	9_-_21512116_21512141	TGCTATGCCAACATATTGCCATCTTT	46141	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018964	9_-_21512117_21512141	TGCTATGCCAACATATTGCCATCTT	46142	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018965	9_-_21512118_21512138	TATGCCAACATATTGCCATCT	46143	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018966	9_-_21512118_21512141	TGCTATGCCAACATATTGCCATCT	46144	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018967	9_-_21512119_21512140	GCTATGCCAACATATTGCCATC	46145	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018968	9_-_21512119_21512141	TGCTATGCCAACATATTGCCATC	46146	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018969	9_-_21512121_21512141	TGCTATGCCAACATATTGCCA	46147	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018970	9_-_21512122_21512141	TGCTATGCCAACATATTGCC	46148	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018971	9_-_21512123_21512141	TGCTATGCCAACATATTGC	46149	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018972	9_-_21512124_21512141	TGCTATGCCAACATATTG	46150	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018973	9_-_21512125_21512141	TGCTATGCCAACATATT	46151	hsa-miR-31-3p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018974	9_-_21512153_21512177	AGGCAAGATGCTGGCATAGCTGTTG	46152	hsa-miR-31-5p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018975	9_-_21512154_21512177	AGGCAAGATGCTGGCATAGCTGTT	46153	hsa-miR-31-5p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018976	9_-_21512155_21512177	AGGCAAGATGCTGGCATAGCTGT	46154	hsa-miR-31-5p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018977	9_-_21512156_21512176	GGCAAGATGCTGGCATAGCTG	46155	hsa-miR-31-5p;Derives_from=MI0000089

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018978	9_-_21512156_21512177	AGGCAAGATGCTGGCATAGCTG	46156	hsa-miR-31-5p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018979	9_-_21512158_21512177	AGGCAAGATGCTGGCATAGC	46157	hsa-miR-31-5p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018980	9_-_21512159_21512177	AGGCAAGATGCTGGCATAG	46158	hsa-miR-31-5p;Derives_from=MI0000089
NovelMiR_KnownLoci_ID0018981	9_-_28863629_28863655	TGGTGGTTTACAAAGTAATTCATAGTG	46159	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018982	9_-_28863631_28863655	TGGTGGTTTACAAAGTAATTCATAG	46160	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018983	9_-_28863632_28863653	GTGGTTTACAAAGTAATTCATA	46161	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018984	9_-_28863632_28863655	TGGTGGTTTACAAAGTAATTCATA	46162	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018985	9_-_28863633_28863653	GTGGTTTACAAAGTAATTCAT	46163	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018986	9_-_28863634_28863650	GTTTACAAAGTAATTCA	46164	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018987	9_-_28863634_28863653	GTGGTTTACAAAGTAATTCA	46165	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018988	9_-_28863635_28863653	GTGGTTTACAAAGTAATTC	46166	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018989	9_-_28863635_28863655	TGGTGGTTTACAAAGTAATTC	46167	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018990	9_-_28863636_28863655	TGGTGGTTTACAAAGTAATT	46168	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018991	9_-_28863637_28863655	TGGTGGTTTACAAAGTAAT	46169	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018992	9_-_28863638_28863655	TGGTGGTTTACAAAGTAA	46170	hsa-miR-876-3p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018993	9_-_28863640_28863660	TGTGGTGGTGGTTTACAAAGT	46171	hsa-miR-876-3p;Derives_from=MI0005542

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0018994	9_-_28863668_28863693	GGATTTCTTTGTGAATCACCATATCT	46172	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018995	9_-_28863669_28863694	TGGATTTCTTTGTGAATCACCATATC	46173	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018996	9_-_28863671_28863692	GATTTCTTTGTGAATCACCATA	46174	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018997	9_-_28863671_28863694	TGGATTTCTTTGTGAATCACCATA	46175	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018998	9_-_28863672_28863689	TTCTTTGTGAATCACCAT	46176	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0018999	9_-_28863672_28863692	GATTTCTTTGTGAATCACCAT	46177	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019000	9_-_28863672_28863694	TGGATTTCTTTGTGAATCACCAT	46178	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019001	9_-_28863674_28863692	GATTTCTTTGTGAATCACC	46179	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019002	9_-_28863674_28863693	GGATTTCTTTGTGAATCACC	46180	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019003	9_-_28863674_28863694	TGGATTTCTTTGTGAATCACC	46181	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019004	9_-_28863675_28863694	TGGATTTCTTTGTGAATCAC	46182	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019005	9_-_28863676_28863694	TGGATTTCTTTGTGAATCA	46183	hsa-miR-876-5p;Derives_from=MI0005542
NovelMiR_KnownLoci_ID0019006	9_-_28888885_28888907	GAGACTGATGAGTTCCCGGGAAC	46184	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019007	9_-_28888885_28888908	GGAGACTGATGAGTTCCCGGGAAC	46185	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019008	9_-_28888886_28888907	GAGACTGATGAGTTCCCGGGAA	46186	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019009	9_-_28888886_28888908	GGAGACTGATGAGTTCCCGGGAA	46187	hsa-miR-873-3p;Derives_from=MI0005564

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019010	9_-_28888886_28888910	CAGGAGACTGATGAGTTCCCGGGAA	46188	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019011	9_-_28888887_28888907	GAGACTGATGAGTTCCCGGGA	46189	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019012	9_-_28888888_28888907	GAGACTGATGAGTTCCCGGG	46190	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019013	9_-_28888891_28888908	GGAGACTGATGAGTTCCC	46191	hsa-miR-873-3p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019014	9_-_28888920_28888942	CAGGAACTTGTGAGTCTCCTATT	46192	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019015	9_-_28888920_28888943	GCAGGAACTTGTGAGTCTCCTATT	46193	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019016	9_-_28888920_28888944	TGCAGGAACTTGTGAGTCTCCTATT	46194	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019017	9_-_28888921_28888943	GCAGGAACTTGTGAGTCTCCTAT	46195	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019018	9_-_28888922_28888943	GCAGGAACTTGTGAGTCTCCTA	46196	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019019	9_-_28888922_28888944	TGCAGGAACTTGTGAGTCTCCTA	46197	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019020	9_-_28888923_28888944	TGCAGGAACTTGTGAGTCTCCT	46198	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019021	9_-_28888924_28888943	GCAGGAACTTGTGAGTCTCC	46199	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019022	9_-_28888924_28888944	TGCAGGAACTTGTGAGTCTCC	46200	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019023	9_-_28888925_28888943	GCAGGAACTTGTGAGTCTC	46201	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019024	9_-_28888925_28888944	TGCAGGAACTTGTGAGTCTC	46202	hsa-miR-873-5p;Derives_from=MI0005564
NovelMiR_KnownLoci_ID0019025	9_-_33467861_33467882	CTTTGTACCCCTCCAGTCTCCG	46203	hsa-miR-6851-3p;Derives_from=MI0022697

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019026	9_-_33467863_33467886	GGCCCTTTGTACCCCTCCAGTCTC	46204	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019027	9_-_33467863_33467887	TGGCCCTTTGTACCCCTCCAGTCT C	46205	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019028	9_-_33467864_33467887	TGGCCCTTTGTACCCCTCCAGTCT	46206	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019029	9_-_33467865_33467885	GCCCTTTGTACCCCTCCAGTC	46207	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019030	9_-_33467865_33467887	TGGCCCTTTGTACCCCTCCAGTC	46208	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019031	9_-_33467866_33467886	GGCCCTTTGTACCCCTCCAGT	46209	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019032	9_-_33467866_33467887	TGGCCCTTTGTACCCCTCCAGT	46210	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019033	9_-_33467868_33467886	GGCCCTTTGTACCCCTCCA	46211	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019034	9_-_33467868_33467887	TGGCCCTTTGTACCCCTCCA	46212	hsa-miR-6851-3p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019035	9_-_33467901_33467928	AGGAGGTGGTACTAGGGGCCAGCA ACCT	46213	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019036	9_-_33467903_33467928	AGGAGGTGGTACTAGGGGCCAGCA AC	46214	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019037	9_-_33467904_33467925	AGGTGGTACTAGGGGCCAGCAA	46215	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019038	9_-_33467904_33467928	AGGAGGTGGTACTAGGGGCCAGCA A	46216	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019039	9_-_33467904_33467929	GAGGAGGTGGTACTAGGGGCCAGC AA	46217	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019040	9_-_33467905_33467928	AGGAGGTGGTACTAGGGGCCCAGCA	46218	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019041	9_-_33467905_33467929	GAGGAGGTGGTACTAGGGGCCAGC A	46219	hsa-miR-6851-5p;Derives_from=MI0022697

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019042	9_-_33467905_33467930	GGAGGAGGTGGTACTAGGGGCCAGCA	46220	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019043	9_-_33467906_33467926	GAGGTGGTACTAGGGGCCAGC	46221	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019044	9_-_33467906_33467929	GAGGAGGTGGTACTAGGGGCCAGC	46222	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019045	9_-_33467906_33467930	GGAGGAGGTGGTACTAGGGGCCAGC	46223	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019046	9_-_33467907_33467929	GAGGAGGTGGTACTAGGGGCCAG	46224	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019047	9_-_33467907_33467930	GGAGGAGGTGGTACTAGGGGCCAG	46225	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019048	9_-_33467908_33467929	GAGGAGGTGGTACTAGGGGCCA	46226	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019049	9_-_33467910_33467928	AGGAGGTGGTACTAGGGGC	46227	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019050	9_-_33467910_33467929	GAGGAGGTGGTACTAGGGGC	46228	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019051	9_-_33467910_33467930	GGAGGAGGTGGTACTAGGGGC	46229	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019052	9_-_33467911_33467929	GAGGAGGTGGTACTAGGGG	46230	hsa-miR-6851-5p;Derives_from=MI0022697
NovelMiR_KnownLoci_ID0019053	9_+_35608089_35608111	TCTGACTGGGGAGCAGAAGGAGA	46231	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019054	9_+_35608091_35608110	TGACTGGGGAGCAGAAGGAG	46232	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019055	9_+_35608091_35608111	TGACTGGGGAGCAGAAGGAGA	46233	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019056	9_+_35608091_35608113	TGACTGGGGAGCAGAAGGAGAAC	46234	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019057	9_+_35608091_35608114	TGACTGGGGAGCAGAAGGAGAACC	46235	hsa-miR-4667-5p;Derives_from=MI0017297

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019058	9_+_35608092_35608111	GACTGGGGAGCAGAAGGAGA	46236	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019059	9_+_35608092_35608112	GACTGGGGAGCAGAAGGAGAA	46237	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019060	9_+_35608092_35608113	GACTGGGGAGCAGAAGGAGAAC	46238	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019061	9_+_35608092_35608114	GACTGGGGAGCAGAAGGAGAACC	46239	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019062	9_+_35608092_35608115	GACTGGGGAGCAGAAGGAGAACCC	46240	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019063	9_+_35608093_35608110	ACTGGGGAGCAGAAGGAG	46241	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019064	9_+_35608093_35608111	ACTGGGGAGCAGAAGGAGA	46242	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019065	9_+_35608093_35608112	ACTGGGGAGCAGAAGGAGAA	46243	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019066	9_+_35608093_35608113	ACTGGGGAGCAGAAGGAGAAC	46244	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019067	9_+_35608093_35608115	ACTGGGGAGCAGAAGGAGAACCC	46245	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019068	9_+_35608093_35608116	ACTGGGGAGCAGAAGGAGAACCCA	46246	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019069	9_+_35608093_35608117	ACTGGCGACCAGAAGGAGAACCCAA	46247	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019070	9_+_35608093_35608118	ACTGGGGAGCAGAAGGAGAACCCAAG	46248	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019071	9_+_35608093_35608119	ACTGGGGAGCAGAAGGAGAACCCAAGA	46249	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019072	9_+_35608094_35608112	CTGGGGAGCAGAAGGAGAA	46250	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019073	9_+_35608094_35608114	CTGGGGAGCAGAAGGAGAACC	46251	hsa-miR-4667-5p;Derives_from=MI0017297

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019074	9_+_35608094_35608116	CTGGGGAGCAGAAGGAGAACCCA	46252	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019075	9_+_35608094_35608117	CTGGGGAGCAGAAGGAGAACCCAA	46253	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019076	9_+_35608095_35608113	TGGGGAGCAGAAGGAGAAC	46254	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019077	9_+_35608095_35608116	TGGGGAGCAGAAGGAGAACCCA	46255	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019078	9_+_35608095_35608117	TGGGGAGCAGAAGGAGAACCCAA	46256	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019079	9_+_35608095_35608118	TGGGGAGCAGAAGGAGAACCCAAG	46257	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019080	9_+_35608095_35608119	TGGGGAGCAGAAGGAGAACCCAAGA	46258	hsa-miR-4667-5p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019081	9_+_35608135_35608157	GTCCCTCCTTCTGTCCCCACAGG	46259	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019082	9_+_35608136_35608154	TCCCTCCTTCTGTCCCCAC	46260	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019083	9_+_35608136_35608155	TCCCTCCTTCTGTCCCCACA	46261	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019084	9_+_35608136_35608157	TCCCTCCTTCTGTCCCCACAGG	46262	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019085	9_+_35608136_35608158	TCCCTCCTTCTGTCCCCACAGGA	46263	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019086	9_+_35608136_35608159	TCCCTCCTTCTGTCCCCACAGGAC	46264	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019087	9_+_35608137_35608157	CCCTCCTTCTGTCCCCACAGG	46265	hsa-miR-4667-3p;Derives_from=MI0017297
NovelMiR_KnownLoci_ID0019088	9_-_35710677_35710697	TGTCCTCTGTTCCTCAGGTGC	46266	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019089	9_-_35710678_35710699	GATGTCCTCTGTTCCTCAGGTG	46267	hsa-miR-6852-3p;Derives_from=MI0022698

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019090	9_-_35710679_35710699	GATGTCCTCTGTTCCTCAGGT	46268	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019091	9_-_35710679_35710700	TGATGTCCTCTGTTCCTCAGGT	46269	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019092	9_-_35710680_35710701	CTGATGTCCTCTGTTCCTCAGG	46270	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019093	9_-_35710680_35710703	CCCTGATGTCCTCTGTTCCTCAGG	46271	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019094	9_-_35710681_35710700	TGATGTCCTCTGTTCCTCAG	46272	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019095	9_-_35710681_35710703	CCCTGATGTCCTCTGTTCCTCAG	46273	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019096	9_-_35710682_35710702	CCTGATGTCCTCTGTTCCTCA	46274	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019097	9_-_35710683_35710699	GATGTCCTCTGTTCCTC	46275	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019098	9_-_35710687_35710703	CCCTGATGTCCTCTGTT	46276	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019099	9_-_35710688_35710703	CCCTGATGTCCTCTGT	46277	hsa-miR-6852-3p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019100	9_-_35710710_35710733	CCCTGGGGTTCTGAGGACATGCTC	46278	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019101	9_-_35710710_35710734	GCCCTGGGGTTCTGAGGACATGCTC	46279	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019102	9_-_35710711_35710732	CCTGGGGTTCTGAGGACATGCT	46280	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019103	9_-_35710711_35710733	CCCTGGGGTTCTGAGGACATGCT	46281	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019104	9_-_35710711_35710735	TGCCCTGGGGTTCTGAGGACATGCT	46282	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019105	9_-_35710712_35710732	CCTGGGGTTCTGAGGACATGC	46283	hsa-miR-6852-5p;Derives_from=MI0022698

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019106	9_-_35710712_35710733	CCCTGGGGTTCTGAGGACATGC	46284	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019107	9_-_35710712_35710734	GCCCTGGGGTTCTGAGGACATGC	46285	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019108	9_-_35710712_35710735	TGCCCTGGGGTTCTGAGGACATGC	46286	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019109	9_-_35710713_35710734	GCCCTGGGGTTCTGAGGACATG	46287	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019110	9_-_35710714_35710733	CCCTGGGGTTCTGAGGACAT	46288	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019111	9_-_35710715_35710733	CCCTGGGGTTCTGAGGACA	46289	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019112	9_-_35710716_35710733	CCCTGGGGTTCTGAGGAC	46290	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019113	9_-_35710716_35710734	GCCCTGGGGTTCTGAGGAC	46291	hsa-miR-6852-5p;Derives_from=MI0022698
NovelMiR_KnownLoci_ID0019114	9_+_35732923_35732945	AAGCGTGGGATGTCCATGAAGTC	46292	hsa-miR-6853-5p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019115	9_+_35732924_35732944	AGCGTGGGATGTCCATGAAGT	46293	hsa-miR-6853-5p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019116	9_+_35732924_35732946	AGCGTGGGATGTCCATGAAGTCA	46294	hsa-miR-6853-5p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019117	9_+_35732933_35732953	TGTCCATGAAGTCAGGTGATG	46295	hsa-miR-6853-5p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019118	9_+_35732970_35732993	CTGTTCATTGGAACCCTGCGCAGG	46296	hsa-miR-6853-3p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019119	9_+_35732971_35732988	TGTTCATTGGAACCCTGC	46297	hsa-miR-6853-3p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019120	9_+_35732971_35732990	TGTTCATTGGAACCCTGCGC	46298	hsa-miR-6853-3p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019121	9_+_35732971_35732991	TGTTCATTGGAACCCTGCGCA	46299	hsa-miR-6853-3p;Derives_from=MI0022699

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019122	9_+_35732971_35732993	TGTTCATTGGAACCCTGCGCAGC	46300	hsa-miR-6853-3p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019123	9_+_35732971_35732994	TGTTCATTGGAACCCTGCGCAGGT	46301	hsa-miR-6853-3p;Derives_from=MI0022699
NovelMiR_KnownLoci_ID0019124	9_-_36823540_36823560	CAAGGGACCAAGCATTCATTA	46302	hsa-miR-4475;Derives_from=MI0016827
NovelMiR_KnownLoci_ID0019125	9_-_36823541_36823560	CAAGGGACCAAGCATTCATT	46303	hsa-miR-4475;Derives_from=MI0016827
NovelMiR_KnownLoci_ID0019126	9_-_36864245_36864269	AGTCCTGCCTGTAGGTTTACCAGCC	46304	hsa-miR-4540;Derives_from=MI0016911
NovelMiR_KnownLoci_ID0019127	9_-_36864249_36864269	AGTCCTGCCTGTAGGTTTACC	46305	hsa-miR-4540;Derives_from=MI0016911
NovelMiR_KnownLoci_ID0019128	9_-_36864249_36864272	CTTAGTCCTGCCTGTAGGTTTACC	46306	hsa-miR-4540;Derives_from=MI0016911
NovelMiR_KnownLoci_ID0019129	9_-_36893459_36893480	AAGGATTTAGGGACAGGCTTTG	46307	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019130	9_-_36893460_36893481	GAAGGATTTAGGGACAGGCTTT	46308	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019131	9_-_36893460_36893484	CAGGAAGGATTTAGGGACAGGCTTT	46309	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019132	9_-_36893461_36893484	CAGGAAGGATTTAGGGACAGGCTT	46310	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019133	9_-_36893462_36893484	CAGGAAGGATTTAGGGACAGGCT	46311	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019134	9_-_36893464_36893484	CAGGAAGGATTTAGGGACAGG	46312	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019135	9_-_36893464_36893485	CCAGGAAGGATTTAGGGACAGG	46313	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019136	9_-_36893465_36893484	CAGGAAGGATTTAGGGACAG	46314	hsa-miR-4476;Derives_from=MI0016828
NovelMiR_KnownLoci_ID0019137	9_+_4850344_4850364	GTACAGTACTGTGATAACTGA	46315	hsa-miR-101-3p;Derives_from=MI0000739

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019138	9_+_4850344_4850365	GTACAGTACTGTGATAACTGAA	46316	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019139	9_+_4850344_4850367	GTACAGTACTGTGATAACTGAAGA	46317	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019140	9_+_4850345_4850367	TACAGTACTGTGATAACTGAAGA	46318	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019141	9_+_4850345_4850368	TACAGTACTGTGATAACTGAAGAA	46319	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019142	9_+_4850345_4850369	TACAGTACTGTGATAACTGAAGAAT	46320	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019143	9_+_4850345_4850370	TACAGTACTGTGATAACTGAAGAATG	46321	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019144	9_+_4850345_4850371	TACAGTACTGTGATAACTGAAGAATGG	46322	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019145	9_+_4850346_4850367	ACAGTACTGTGATAACTGAAGA	46323	hsa-miR-101-3p;Derives_from=MI0000739
NovelMiR_KnownLoci_ID0019146	9_+_6007835_6007852	CTGGGGGACGCGTGAGCG	46324	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019147	9_+_6007835_6007854	CTGGGGGACGCGTGAGCGCG	46325	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019148	9_+_6007835_6007855	CTGGGGGACGCGTGAGCGCGA	46326	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019149	9_+_6007835_6007856	CTGGGGGACGCGTGAGCGCGAG	46327	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019150	9_+_6007835_6007858	CTGGGGGACGCGTGAGCGCGAGCC	46328	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019151	9_+_6007835_6007859	CTGGGGGACGCGTGAGCGCGAGCCG	46329	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019152	9_+_6007836_6007857	TGGGGGACGCGTGAGCGCGAGC	46330	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019153	9_+_6007836_6007859	TGGGGGACGCGTGAGCGCGAGCCG	46331	hsa-miR-4665-5p;Derives_from=MI0017295

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019154	9_+_6007839_6007858	GGGACGCGTGAGCGCGAGCC	46332	hsa-miR-4665-5p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019155	9_+_6007868_6007894	CGGCTCGGCCGCGGCGCGTAGCCCCCG	46333	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019156	9_+_6007874_6007889	GGCCGCGGCGCGTAGC	46334	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019157	9_+_6007876_6007896	CCGCGGCGCGTAGCCCCCGCC	46335	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019158	9_+_6007876_6007897	CCGCGGCGCGTAGCCCCCGCCA	46336	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019159	9_+_6007876_6007899	CCGCGGCGCGTAGCCCCCGCCACA	46337	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019160	9_+_6007877_6007892	CGCGGCGCGTAGCCCC	46338	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019161	9_+_6007877_6007896	CGCGGCGCGTAGCCCCCGCC	46339	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019162	9_+_6007877_6007897	CGCGGCGCGTAGCCCCCGCCA	46340	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019163	9_+_6007877_6007899	CGCGGCGCGTAGCCCCCGCCACA	46341	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019164	9_+_6007877_6007901	CGCGGCGCGTAGCCCCCGCCACATC	46342	hsa-miR-4665-3p;Derives_from=MI0017295
NovelMiR_KnownLoci_ID0019165	9_-_68415315_68415338	TTAAGGACATTTGTCATTCACGGG	46343	hsa-miR-4477a;Derives_from=MI0016829
NovelMiR_KnownLoci_ID0019166	9_-_68415316_68415338	TTAAGGACATTTGTGATTCACGG	46344	hsa-miR-4477a;Derives_from=MI0016829
NovelMiR_KnownLoci_ID0019167	9_-_68415317_68415336	AAGGACATTTGTGATTCACG	46345	hsa-miR-4477a;Derives_from=MI0016829

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019168	9_-_68415317_68415338	TTAAGGACATTTGTGATTCACG	46346	hsa-miR-4477a;Derives_from=MI0016829
NovelMiR_KnownLoci_ID0019169	9_+_68415355_68415376	CCATTAAGGACATTTGTGATTG	46347	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019170	9_+_68415355_68415377	CCATTAAGGACATTTGTGATTGA	46348	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019171	9_+_68415356_68415376	CATTAAGGACATTTGTGATTG	46349	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019172	9_+_68415356_68415377	CATTAAGGACATTTGTGATTGA	46350	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019173	9_+_68415356_68415378	CATTAAGGACATTTGTGATTGAT	46351	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019174	9_+_68415356_68415379	CATTAAGGACATTTGTGATTGATG	46352	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019175	9_+_68415357_68415377	ATTAAGGACATTTGTGATTGA	46353	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019176	9_+_68415358_68415379	TTAAGGACATTTGTGATTGATG	46354	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019177	9_+_68415358_68415380	TTAAGGACATTTGTGATTGATGG	46355	hsa-miR-4477b;Derives_from=MI0016830

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019178	9_+_68415360_68415381	AAGGACATTTGTGATTGATGGG	46356	hsa-miR-4477b;Derives_from=MI0016830
NovelMiR_KnownLoci_ID0019179	9_-_69002233_69002259	TCTGGAATTCTGTGTGAGGGACAAACA	46357	hsa-miR-1299;Derives_from=MI0006359
NovelMiR_KnownLoci_ID0019180	9_-_69002234_69002260	TTCTGGAATTCTGTGTGAGGGACAAAC	46358	hsa-miR-1299;Derives_from=MI0006359
NovelMiR_KnownLoci_ID0019181	9_-_73424903_73424929	GCTGGGAAGGCAAAGGGACGTTCAATT	46359	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019182	9_-_73424904_73424929	GCTGGGAAGGCAAAGGGACGTTCAAT	46360	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019183	9_-_73424905_73424929	GCTGGGAAGGCAAAGGGACGTTCAA	46361	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019184	9_-_73424907_73424929	GCTGGGAAGGCAAAGGGACGTTC	46362	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019185	9_-_73424907_73424930	GGCTGGGAAGGCAAAGGGACGTTC	46363	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019186	9_-_73424908_73424929	GCTGGGAAGGCAAAGGGACGTT	46364	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019187	9_-_73424909_73424930	GGCTGGGAAGGCAAAGGGACGT	46365	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019188	9_-_73424910_73424929	GCTGGGAAGGCAAAGGGACG	46366	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019189	9_-_73424911_73424929	GCTGGGAAGGCAAAGGGAC	46367	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019190	9_-_73424911_73424930	GGCTGGGAAGGCAAAGGGAC	46368	hsa-miR-204-3p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019191	9_-_73424944_73424968	TTCCCTTTGTCATCCTATGCCTGAG	46369	hsa-miR-204-5p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019192	9_-_73424945_73424968	TTCCCTTTGTCATCCTATGCCTGA	46370	hsa-miR-204-5p;Derives_from=MI0000284

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019193	9_-_73424946_73424968	TTCCCTTTGTCATCCTATGCCTG	46371	hsa-miR-204-5p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019194	9_-_73424947_73424967	TCCCTTTGTCATCCTATGCCT	46372	hsa-miR-204-5p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019195	9_-_73424948_73424968	TTCCCTTTGTCATCCTATGCC	46373	hsa-miR-204-5p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019196	9_-_73424949_73424968	TTCCCTTTGTCATCCTATGC	46374	hsa-miR-204-5p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019197	9_-_73424952_73424968	TTCCCTTTGTCATCCTA	46375	hsa-miR-204-5p;Derives_from=MI0000284
NovelMiR_KnownLoci_ID0019198	9_-_86584684_86584706	AACAAATCACAGTCTGCCATATG	46376	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019199	9_-_86584684_86584707	CAACAAATCACAGTCTGCCATATG	46377	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019200	9_-_86584685_86584706	AACAAATCACAGTCTGCCATAT	46378	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019201	9_-_86584685_86584707	CAACAAATCACAGTCTGCCATAT	46379	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019202	9_-_86584686_86584706	AACAAATCACAGTCTGCCATA	46380	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019203	9_-_86584687_86584707	CAACAAATCACAGTCTGCCAT	46381	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019204	9_-_86584687_86584708	ACAACAAATCACAGTCTGCCAT	46382	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019205	9_-_86584688_86584707	CAACAAATCACAGTCTGCCA	46383	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019206	9_-_86584689_86584706	AACAAATCACAGTCTGCC	46384	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019207	9_-_86584689_86584707	CAACAAATCACAGTCTGCC	46385	hsa-miR-7-1-3p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019208	9_-_86584690_86584707	CAACAAATCACAGTCTGC	46386	hsa-miR-7-1-3p;Derives_from=MI0000263

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019209	9_-_86584721_86584741	TAGTGATTTTGTTGTTTTTAG	46387	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019210	9_-_86584721_86584745	AGACTAGTGATTTTGTTGTTTTTAG	46388	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019211	9_-_86584722_86584745	AGACTAGTGATTTTGTTGTTTTTA	46389	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019212	9_-_86584722_86584749	TGGAAGACTAGTGATTTTGTTGTTTTTA	46390	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019213	9_-_86584723_86584745	AGACTAGTGATTTTGTTGTTTTT	46391	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019214	9_-_86584723_86584749	TGGAAGACTAGTGATTTTGTTGTTTTT	46392	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019215	9_-_86584724_86584746	AAGACTAGTGATTTTGTTGTTTT	46393	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019216	9_-_86584724_86584747	GAAGACTAGTGATTTTGTTGTTTT	46394	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019217	9_-_86584724_86584749	TGGAAGACTAGTGATTTTGTTGTTTT	46395	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019218	9_-_86584725_86584742	CTAGTGATTTTGTTGTTT	46396	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019219	9_-_86584725_86584743	ACTAGTGATTTTGTTGTTT	46397	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019220	9_-_86584725_86584745	AGACTAGTGATTTTGTTGTTT	46398	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019221	9_-_86584725_86584749	TGGAAGACTAGTGATTTTGTTGTTT	46399	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019222	9_-_86584726_86584749	TGGAAGACTAGTGATTTTGTTGTT	46400	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019223	9_-_86584728_86584749	TGGAAGACTAGTGATTTTGTTG	46401	hsa-miR-7-5p;Derives_from=MI0000263
NovelMiR_KnownLoci_ID0019224	9_-_91360792_91360814	GAGGGCATTGTGCAGGGCTATCA	46402	hsa-miR-4289;Derives_from=MI0015898

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019225	9_-_91360793_91360809	CATTGTGCAGGGCTATC	46403	hsa-miR-4289;Derives_from=MI0015898
NovelMiR_KnownLoci_ID0019226	9_-_91360793_91360814	GAGGGCATTGTGCAGGGCTATC	46404	hsa-miR-4289;Derives_from=MI0015898
NovelMiR_KnownLoci_ID0019227	9_-_91360794_91360809	CATTGTGCAGGGCTAT	46405	hsa-miR-4289;Derives_from=MI0015898
NovelMiR_KnownLoci_ID0019228	9_-_91360794_91360814	GAGGGCATTGTGCAGGGCTAT	46406	hsa-miR-4289;Derives_from=MI0015898
NovelMiR_KnownLoci_ID0019229	9_-_91360795_91360810	GCATTGTGCAGGGCTA	46407	hsa-miR-4289;Derives_from=MI0015898
NovelMiR_KnownLoci_ID0019230	9_+_91927183_91927200	AGATTGGGGGAAAGCGAG	46408	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019231	9_+_91927186_91927206	TTGGGGGAAAGCGAGTAGGGA	46409	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019232	9_+_91927189_91927208	GGGGAAAGCGAGTAGGGACA	46410	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019233	9_+_91927189_91927210	GGGGAAAGCGAGTAGGGACATT	46411	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019234	9_+_91927190_91927211	GGGAAAGCGAGTAGGGACATTT	46412	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019235	9_+_91927190_91927212	GGGAAAGCGAGTAGGGACATTTA	46413	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019236	9_+_91927191_91927211	GGAAAGCGAGTAGGGACATTT	46414	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019237	9_+_91927191_91927212	GGAAAGCGAGTAGGGACATTTA	46415	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019238	9_+_91927191_91927214	GGAAAGCGAGTAGGGACATTTAAA	46416	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019239	9_+_91927194_91927211	AAGCGAGTAGGGACATTT	46417	hsa-miR-3153;Derives_from=MI0014180
NovelMiR_KnownLoci_ID0019240	9_+_91927197_91927217	CGAGTAGGGACATTTAAAATT	46418	hsa-miR-3153;Derives_from=MI0014180

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019241	9_-_92785730_92785753	GTTGCCCTCCTTTCTTCCCTCACC	46419	hsa-miR-4290;Derives_from=MI0015899
NovelMiR_KnownLoci_ID0019242	9_-_94398558_94398578	AAAGGCATAAAACCAAGACAA	46420	hsa-miR-3910;Derives_from=MI0016431
NovelMiR_KnownLoci_ID0019243	9_+_94398601_94398620	ATAAAACCAAGACAAGCAAC	46421	hsa-miR-3910;Derives_from=MI0016414
NovelMiR_KnownLoci_ID0019244	9_+_94398603_94398620	AAAACCAAGACAAGCAAC	46422	hsa-miR-3910;Derives_from=MI0016414
NovelMiR_KnownLoci_ID0019245	9_-_95054740_95054759	CGGTCGCTGGTACATGATTC	46423	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019246	9_-_95054740_95054760	CCGGTCGCTGGTACATGATTC	46424	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019247	9_-_95054740_95054761	CCCGGTCGCTGGTACATGATTC	46425	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019248	9_-_95054740_95054765	ATAGCCCGGTCGCTGGTACATGATTC	46426	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019249	9_-_95054740_95054766	CATAGCCCGGTCGCTGGTACATGATTC	46427	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019250	9_-_95054741_95054759	CGGTCGCTGGTACATGATT	46428	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019251	9_-_95054741_95054768	GCCATAGCCCGGTCGCTGGTACATGATT	46429	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019252	9_-_95054742_95054765	ATAGCCCGGTCGCTGGTACATGAT	46430	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019253	9_-_95054743_95054758	GGTCGCTGGTACATGA	46431	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019254	9_-_95054743_95054759	CGGTCGCTGGTACATGA	46432	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019255	9_-_95054743_95054760	CCGGTCGCTGGTACATGA	46433	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019256	9_-_95054743_95054761	CCCGGTCGCTGGTACATGA	46434	hsa-miR-3651;Derives_from=MI0016051

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019257	9_-_95054743_95054762	GCCCGGTCGCTGGTACATGA	46435	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019258	9_-_95054743_95054763	AGCCCGGTCGCTGGTACATGA	46436	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019259	9_-_95054743_95054764	TAGCCCGGTCGCTGGTACATGA	46437	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019260	9_-_95054743_95054765	ATAGCCCGGTCGCTGGTACATGA	46438	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019261	9_-_95054743_95054767	CCATAGCCCGGTCGCTGGTACATGA	46439	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019262	9_-_95054743_95054768	GCCATAGCCCGGTCGCTGGTACATGA	46440	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019263	9_-_95054743_95054769	TGCCATAGCCCGGTCGCTGGTACATGA	46441	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019264	9_-_95054743_95054770	CTGCCATAGCCCGGTCGCTGGTACATGA	46442	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019265	9_-_95054744_95054763	AGCCCGGTCGCTGGTACATG	46443	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019266	9_-_95054746_95054768	GCCATAGCCCGGTCGCTGGTACA	46444	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019267	9_-_95054747_95054768	GCCATAGCCCGGTCGCTGGTAC	46445	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019268	9_-_95054752_95054772	AGCTCCCATAGCCCGGTCGCT	46446	hsa-miR-3651;Derives_from=MI0016051
NovelMiR_KnownLoci_ID0019269	9_-_95290267_95290286	CATCATGGTCGCTTCCTAGA	46447	hsa-miR-4670-3p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019270	9_-_95290272_95290296	TCTGAAGTTACATCATGGTCGCTTC	46448	hsa-miR-4670-3p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019271	9_-_95290274_95290295	CTGAAGTTACATCATGGTCGCT	46449	hsa-miR-4670-3p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019272	9_-_95290274_95290296	TCTGAAGTTACATCATGGTCGCT	46450	hsa-miR-4670-3p;Derives_from=MI0017301

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019273	9_-_95290275_95290296	TCTGAAGTTACATCATGGTCGC	46451	hsa-miR-4670-3p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019274	9_-_95290276_95290296	TCTGAAGTTACATCATGGTCG	46452	hsa-miR-4670-3p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019275	9_-_95290306_95290329	GACCATGATGTAACTTCACAGACT	46453	hsa-miR-4670-5p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019276	9_-_95290308_95290329	GACCATGATGTAACTTCACAGA	46454	hsa-miR-4670-5p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019277	9_-_95290308_95290331	GCGACCATGATGTAACTTCACAGA	46455	hsa-miR-4670-5p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019278	9_-_95290310_95290329	GACCATGATGTAACTTCACA	46456	hsa-miR-4670-5p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019279	9_-_95290310_95290331	GCGACCATGATGTAACTTCACA	46457	hsa-miR-4670-5p;Derives_from=MI0017301
NovelMiR_KnownLoci_ID0019280	9_+_96357156_96357175	TGGCAGTTACTTTTGCACCA	46458	hsa-miR-548au-3p;Derives_from=MI0019145
NovelMiR_KnownLoci_ID0019281	9_+_96357156_96357177	TGGCAGTTACTTTTGCACCAGC	46459	hsa-miR-548au-3p;Derives_from=MI0019145
NovelMiR_KnownLoci_ID0019282	9_+_96357156_96357178	TGGCAGTTACTTTTGCACCAGCC	46460	hsa-miR-548au-3p;Derives_from=MI0019145
NovelMiR_KnownLoci_ID0019283	9_+_96938243_96938264	ATGAGGTAGTAGGTTGTATAGT	46461	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019284	9_+_96938243_96938265	ATGAGGTAGTAGGTTGTATAGTT	46462	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019285	9_+_96938244_96938267	TGAGGTAGTAGGTTGTATAGTTTT	46463	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019286	9_+_96938244_96938268	TGAGGTAGTAGGTTGTATAGTTTTA	46464	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019287	9_+_96938244_96938269	TGAGGTAGTAGGTTGTATAGTTTTAG	46465	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019288	9_+_96938244_96938270	TGAGGTAGTAGGTTGTATAGTTTTAGG	46466	hsa-let-7a-5p;Derives_from=MI0000060

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019289	9_+_96938244_96938271	TGAGGTAGTAGGTTGTATAGTTTTAGGG	46467	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019290	9_+_96938245_96938267	GAGGTAGTAGGTTGTATAGTTTT	46468	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019291	9_+_96938248_96938267	GTAGTAGGTTGTATAGTTTT	46469	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019292	9_+_96938249_96938270	TAGTAGGTTGTATAGTTTTAGG	46470	hsa-let-7a-5p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019293	9_+_96938289_96938307	AGATAACTATACAATCTAC	46471	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019294	9_+_96938289_96938308	AGATAACTATACAATCTACT	46472	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019295	9_+_96938289_96938309	AGATAACTATACAATCTACTG	46473	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019296	9_+_96938289_96938310	AGATAACTATACAATCTACTGT	46474	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019297	9_+_96938289_96938311	AGATAACTATACAATCTACTGTC	46475	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019298	9_+_96938289_96938316	AGATAACTATACAATCTACTGTCTTTCC	46476	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019299	9_+_96938295_96938318	CTATACAATCTACTGTCTTTCCTA	46477	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019300	9_+_96938295_96938319	CTATACAATCTACTGTCTTTCCTAA	46478	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019301	9_+_96938295_96938320	CTATACAATCTACTGTCTTTCCTAAC	46479	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019302	9_+_96938295_96938321	CTATACAATCTACTGTCTTTCCTAACG	46480	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019303	9_+_96938296_96938318	TATACAATCTACTGTCTTTCCTA	46481	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019304	9_+_96938296_96938319	TATACAATCTACTGTCTTTCCTAA	46482	hsa-let-7a-3p;Derives_from=MI0000060

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019305	9_+_96938296_96938320	TATACAATCTACTGTCTTTCCTAAC	46483	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019306	9_+_96938297_96938318	ATACAATCTACTGTCTTTCCTA	46484	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019307	9_+_96938297_96938319	ATACAATCTACTGTCTTTCCTAA	46485	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019308	9_+_96938297_96938320	ATACAATCTACTGTCTTTCCTAAC	46486	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019309	9_+_96938298_96938320	TACAATCTACTGTCTTTCCTAAC	46487	hsa-let-7a-3p;Derives_from=MI0000060
NovelMiR_KnownLoci_ID0019310	9_+_96938632_96938656	GAGTGAGGTAGTAGATTGTATAGTT	46488	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019311	9_+_96938633_96938652	AGTGAGGTAGTAGATTGTAT	46489	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019312	9_+_96938634_96938656	GTGAGGTAGTAGATTGTATAGTT	46490	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019313	9_+_96938635_96938655	TGAGGTAGTAGATTGTATAGT	46491	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019314	9_+_96938635_96938657	TGAGGTAGTAGATTGTATAGTTG	46492	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019315	9_+_96938635_96938658	TGAGGTAGTAGATTGTATAGTTGT	46493	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019316	9_+_96938635_96938659	TGAGGTAGTAGATTGTATAGTTGTG	46494	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019317	9_+_96938635_96938660	TGAGGTAGTAGATTGTATAGTTGTGG	46495	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019318	9_+_96938635_96938661	TGAGGTAGTAGATTGTATAGTTGTGGG	46496	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019319	9_+_96938635_96938662	TGAGGTAGTAGATTGTATAGTTGTGGGG	46497	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019320	9_+_96938636_96938659	GAGGTAGTAGATTGTATAGTTGTG	46498	hsa-let-7f-5p;Derives_from=MI0000067

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019321	9_+_96938637_96938657	AGGTAGTAGATTGTATAGTTG	46499	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019322	9_+_96938637_96938658	AGGTAGTAGATTGTATAGTTGT	46500	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019323	9_+_96938640_96938662	TAGTAGATTGTATAGTTGTGGGG	46501	hsa-let-7f-5p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019324	9_+_96938685_96938704	AGATAACTATACAATCTATT	46502	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019325	9_+_96938685_96938710	AGATAACTATACAATCTATTGCCTTC	46503	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019326	9_+_96938689_96938710	AACTATACAATCTATTGCCTTC	46504	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019327	9_+_96938691_96938707	CTATACAATCTATTGCC	46505	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019328	9_+_96938691_96938709	CTATACAATCTATTGCCTT	46506	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019329	9_+_96938691_96938710	CTATACAATCTATTGCCTTC	46507	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019330	9_+_96938691_96938711	CTATACAATCTATTGCCTTCC	46508	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019331	9_+_96938691_96938713	CTATACAATCTATTGCCTTCCCT	46509	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019332	9_+_96938691_96938715	CTATACAATCTATTGCCTTCCCTGA	46510	hsa-let-7f-1-3p;Derives_from=MI0000067
NovelMiR_KnownLoci_ID0019333	9_+_96941123_96941141	AGAGGTAGTAGGTTGCATA	46511	hsa-let-7d-5p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019334	9_+_96941123_96941142	AGAGGTAGTAGGTTGCATAG	46512	hsa-let-7d-5p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019335	9_+_96941123_96941143	AGAGGTAGTAGGTTGCATAGT	46513	hsa-let-7d-5p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019336	9_+_96941123_96941145	AGAGGTAGTAGGTTGCATAGTTT	46514	hsa-let-7d-5p;Derives_from=MI0000065

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019337	9_+_96941123_96941146	AGAGGTAGTAGGTTGCATAGTTTT	46515	hsa-let-7d-5p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019338	9_+_96941123_96941148	AGAGGTAGTAGGTTGCATAGTTTTAG	46516	hsa-let-7d-5p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019339	9_+_96941123_96941149	AGAGGTAGTAGGTTGCATAGTTTTAGG	46517	hsa-let-7d-5p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019340	9_+_96941177_96941192	CTATACGACCTGCTGC	46518	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019341	9_+_96941177_96941196	CTATACGACCTGCTGCCTTT	46519	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019342	9_+_96941177_96941197	CTATACGACCTGCTGCCTTTC	46520	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019343	9_+_96941177_96941199	CTATACGACCTGCTGCCTTTCTT	46521	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019344	9_+_96941177_96941200	CTATACGACCTGCTGCCTTTCTTA	46522	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019345	9_+_96941177_96941203	CTATACGACCTGCTGCCTTTCTTAGGG	46523	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019346	9_+_96941178_96941198	TATACGACCTGCTGCCTTTCT	46524	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019347	9_+_96941178_96941200	TATACGACCTGCTGCCTTTCTTA	46525	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019348	9_+_96941178_96941203	TATACGACCTGCTGCCTTTCTTAGGG	46526	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0019349	9_+_97572259_97572281	GAGAGCAGTGTGTGTTGCCTGGG	46527	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019350	9_+_97572259_97572282	GAGAGCAGTGTGTGTTGCCTGGGG	46528	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019351	9_+_97572260_97572278	AGAGCAGTGTGTGTTGCCT	46529	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019352	9_+_97572260_97572279	AGAGCAGTGTGTGTTGCCTG	46530	hsa-miR-2278;Derives_from=MI0011285

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019353	9_+_97572260_97572280	AGAGCAGTGTGTGTTGCCTGG	46531	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019354	9_+_97572260_97572281	AGAGCAGTGTGTGTTGCCTGGG	46532	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019355	9_+_97572260_97572282	AGAGCAGTGTGTGTTGCCTGGGG	46533	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019356	9_+_97572260_97572283	AGAGCAGTGTGTGTTGCCTGGGGA	46534	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019357	9_+_97572260_97572284	AGAGCAGTGTGTGTTGCCTGGGGAC	46535	hsa-miR-2278;Derives_from=MI0011285
NovelMiR_KnownLoci_ID0019358	9_+_97827687_97827703	TAGGAGCAGTGCCGGCC	46536	hsa-miR-6081;Derives_from=MI0020358
NovelMiR_KnownLoci_ID0019359	9_+_97827688_97827703	AGGAGCAGTGCCGGCC	46537	hsa-miR-6081;Derives_from=MI0020358
NovelMiR_KnownLoci_ID0019360	9_+_97827702_97827717	CCAAGGCGCCGGCACC	46538	hsa-miR-6081;Derives_from=MI0020358
NovelMiR_KnownLoci_ID0019361	9_+_97847508_97847528	TTGGGTTCCTGGCATGCTGAT	46539	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019362	9_+_97847508_97847529	TTGGGTTCCTGGCATGCTGATT	46540	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019363	9_+_97847508_97847531	TTGGGTTCCTGGCATGCTGATTTG	46541	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019364	9_+_97847508_97847534	TTGGGTTCCTGGCATGCTGATTTGTGA	46542	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019365	9_+_97847509_97847528	TGGGTTCCTGGCATGCTGAT	46543	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019366	9_+_97847509_97847529	TGGGTTCCTGGCATGCTGATT	46544	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019367	9_+_97847509_97847531	TGGGTTCCTGGCATGCTGATTTG	46545	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019368	9_+_97847509_97847532	TGGGTTCCTGGCATGCTGATTTGT	46546	hsa-miR-23b-5p;Derives_from=MI0000439

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019369	9_+_97847509_97847534	TGGGTTCCTGGCATGCTGATTTGTGA	46547	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019370	9_+_97847510_97847527	GGGTTCCTGGCATGCTGA	46548	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019371	9_+_97847510_97847528	GGGTTCCTGGCATGCTGAT	46549	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019372	9_+_97847510_97847529	GGGTTCCTGGCATGCTGATT	46550	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019373	9_+_97847510_97847530	GGGTTCCTGGCATGCTGATTT	46551	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019374	9_+_97847510_97847531	GGGTTCCTGGCATGCTGATTTG	46552	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019375	9_+_97847510_97847532	GGGTTCCTGGCATGCTGATTTGT	46553	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019376	9_+_97847510_97847533	GGGTTCCTGGCATGCTGATTTGTG	46554	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019377	9_+_97847510_97847536	GGGTTCCTGGCATGCTGATTTGTGACT	46555	hsa-miR-23b-5p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019378	9_+_97847547_97847565	ATCACATTGCCAGGGATTA	46556	hsa-miR-23b-3p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019379	9_+_97847547_97847566	ATCACATTGCCAGGGATTAC	46557	hsa-miR-23b-3p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019380	9_+_97847547_97847568	ATCACATTGCCAGGGATTACCA	46558	hsa-miR-23b-3p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019381	9_+_97847547_97847569	ATCACATTGCCAGGGATTACCAC	46559	hsa-miR-23b-3p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019382	9_+_97847547_97847570	ATCACATTGCCAGGGATTACCACG	46560	hsa-miR-23b-3p;Derives_from=MI0000439
NovelMiR_KnownLoci_ID0019383	9_+_97847744_97847765	CAGAGCTTAGCTGATTGGTGAA	46561	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019384	9_+_97847744_97847766	CAGAGCTTAGCTGATTGGTGAAC	46562	hsa-miR-27b-5p;Derives_from=MI0000440

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019385	9_+_97847744_97847767	CAGAGCTTAGCTGATTGGTGAACA	46563	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019386	9_+_97847745_97847760	AGAGCTTAGCTGATTG	46564	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019387	9_+_97847745_97847761	AGAGCTTAGCTGATTGG	46565	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019388	9_+_97847745_97847763	AGAGCTTAGCTGATTGGTG	46566	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019389	9_+_97847745_97847764	AGAGCTTAGCTGATTGGTGA	46567	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019390	9_+_97847745_97847765	AGAGCTTAGCTGATTGGTGAA	46568	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019391	9_+_97847745_97847767	AGAGCTTAGCTGATTGGTGAACA	46569	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019392	9_+_97847745_97847768	AGAGCTTAGCTGATTGGTGAACAG	46570	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019393	9_+_97847745_97847769	AGAGCTTAGCTGATTGGTGAACAGT	46571	hsa-miR-27b-5p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019394	9_+_97847786_97847810	GTTCACAGTGGCTAAGTTCTGCAC C	46572	hsa-miR-27b-3p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019395	9_+_97847787_97847805	TTCACAGTGGCTAAGTTCT	46573	hsa-miR-27b-3p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019396	9_+_97847787_97847806	TTCACAGTGGCTAAGTTCTG	46574	hsa-miR-27b-3p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019397	9_+_97847787_97847808	TTCACAGTGGCTAAGTTCTGCA	46575	hsa-miR-27b-3p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019398	9_+_97847787_97847809	TTCACAGTGGCTAAGTTCTGCAC	46576	hsa-miR-27b-3p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019399	9_+_97847787_97847810	TTCACAGTGGCTAAGTTCTGCACC	46577	hsa-miR-27b-3p;Derives_from=MI0000440
NovelMiR_KnownLoci_ID0019400	9_+_97847787_97847813	TTCACAGTGGCTAAGTTCTGCACC TGA	46578	hsa-miR-27b-3p;Derives_from=MI0000440

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019401	9_-_97848303_97848327	GATATCAGCTCAGTAGGCACCGGAG	46579	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019402	9_-_97848304_97848327	GATATCAGCTCAGTAGGCACCGGA	46580	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019403	9_-_97848304_97848328	TGATATCAGCTCAGTAGGCACCGGA	46581	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019404	9_-_97848305_97848327	GATATCAGCTCAGTAGGCACCGG	46582	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019405	9_-_97848305_97848328	TGATATCAGCTCAGTAGGCACCGG	46583	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019406	9_-_97848306_97848324	ATCAGCTCAGTAGGCACCG	46584	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019407	9_-_97848306_97848328	TGATATCAGCTCAGTAGGCACCG	46585	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019408	9_+_97848307_97848326	GGTGCCTACTGAGCTGATAT	46586	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019409	9_-_97848307_97848327	GATATCAGCTCAGTAGGCACC	46587	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019410	9_+_97848307_97848327	CGTGCCTACTGAGCTGATATC	46588	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019411	9_+_97848307_97848328	GGTGCCTACTGAGCTGATATCA	46589	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019412	9_+_97848307_97848329	GGTGCCTACTGAGCTGATATCAG	46590	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019413	9_+_97848307_97848330	GGTGCCTACTGAGCTGATATCAGT	46591	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019414	9_+_97848307_97848332	GGTGCCTACTGAGCTGATATCAGTTC	46592	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019415	9_-_97848308_97848327	GATATCAGCTCAGTAGGCAC	46593	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019416	9_+_97848308_97848327	GTGCCTACTGAGCTGATATC	46594	hsa-miR-24-1-5p;Derives_from=MI0000080

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019417	9_-_97848308_97848328	TGATATCAGCTCAGTAGGCAC	46595	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019418	9_+_97848308_97848328	GTGCCTACTGAGCTGATATCA	46596	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019419	9_+_97848308_97848329	GTGCCTACTGAGCTGATATCAG	46597	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019420	9_+_97848308_97848330	GTGCCTACTGAGCTGATATCAGT	46598	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019421	9_+_97848308_97848332	GTGCCTACTGAGCTGATATCAGTTC	46599	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019422	9_+_97848308_97848335	GTGCCTACTGAGCTGATATCAGTTCTCA	46600	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019423	9_-_97848309_97848327	GATATCAGCTCAGTAGGCA	46601	hsa-miR-3074-3p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019424	9_+_97848309_97848328	TGCCTACTGAGCTGATATCA	46602	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019425	9_+_97848309_97848332	TGCCTACTGAGCTGATATCAGTTC	46603	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019426	9_+_97848309_97848335	TGCCTACTGAGCTGATATCAGTTCTCA	46604	hsa-miR-24-1-5p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019427	9_-_97848341_97848364	TTCCTGCTGAACTGAGCCAGTGTG	46605	hsa-miR-3074-5p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019428	9_-_97848341_97848366	TGTTCCTGCTGAACTGAGCCAGTGTG	46606	hsa-miR-3074-5p;Derives_from=MI0014181
NovelMiR_KnownLoci_ID0019429	9_+_97848345_97848369	CTGGCTCAGTTCAGCAGGAACAGGA	46607	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019430	9_+_97848346_97848368	TGGCTCAGTTCAGCAGGAACAGG	46608	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019431	9_+_97848346_97848369	TGGCTCAGTTCAGCAGGAACAGGA	46609	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019432	9_+_97848346_97848370	TGGCTCAGTTCAGCAGGAACAGGAG	46610	hsa-miR-24-3p;Derives_from=MI0000080

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019433	9_+_97848346_97848371	TGGCTCAGTTCAGCAGGAACAGGAGT	46611	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019434	9_+_97848346_97848372	TGGCTCAGTTCAGCAGGAACAGGAGTC	46612	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019435	9_+_97848347_97848369	GGCTCAGTTCAGCAGGAACAGGA	46613	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019436	9_+_97848348_97848369	GCTCAGTTCAGCAGGAACAGGA	46614	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019437	9_+_97848348_97848371	GCTCAGTTCAGCAGGAACAGGAGT	46615	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019438	9_+_97848348_97848372	GCTCAGTTCAGCAGGAACAGGAGTC	46616	hsa-miR-24-3p;Derives_from=MI0000080
NovelMiR_KnownLoci_ID0019439	X_+_105883058_105883078	AAAAGGCATTGTGGTTTTTGC	46617	hsa-miR-548an;Derives_from=MI0016907
NovelMiR_KnownLoci_ID0019440	X_+_105883058_105883079	AAAAGGCATTGTGGTTTTTGCC	46618	hsa-miR-548an;Derives_from=MI0016907
NovelMiR_KnownLoci_ID0019441	X_+_108297768_108297787	ACCCGGTGAGGCGGGGGGGC	46619	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019442	X_+_108297768_108297788	ACCCGGTGAGGCGGGGGGCCG	46620	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019443	X_+_108297768_108297789	ACCCGGTGAGGCGGGGGGGCGA	46621	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019444	X_+_108297768_108297790	ACCCGGTGAGGCGGGGGGGCGAG	46622	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019445	X_+_108297768_108297791	ACCCGGTGAGGCGGGGGGGCGAGC	46623	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019446	X_+_108297769_108297787	CCCGGTGAGGCGGGGGGGC	46624	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019447	X_+_108297769_108297788	CCCGGTGAGGCGGGGGGGCG	46625	hsa-miR-6087;Derives_from=MI0020364

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019448	X_+_108297769_108297789	CCCGGTGAGGCGGGGGGGCGA	46626	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019449	X_+_108297769_108297790	CCCGGTGAGGCGGGGGGGCGAG	46627	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019450	X_+_108297769_108297791	CCCGGTGAGGCGGGGGGGCGAGC	46628	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019451	X_+_108297770_108297787	CCGGTGAGGCGGGGGGGC	46629	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019452	X_+_108297770_108297789	CCGGTGAGGCGGGGGGGCGA	46630	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019453	X_+_108297770_108297790	CCGGTGAGGCGGGGGGGCGAG	46631	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019454	X_+_108297770_108297791	CCGGTGAGGCGGGGGGGCGAGC	46632	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019455	X_+_108297771_108297787	CGGTGAGGCGGGGGGC	46633	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019456	X_+_108297771_108297789	CGGTGAGGCGGGGGGCGA	46634	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019457	X_+_108297771_108297792	CGGTGAGGCGGGGGGCGAGCC	46635	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019458	X_+_108297772_108297789	GGTGAGGCGGGGGGCGA	46636	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019459	X_+_108297772_108297796	GGTGAGGCGGGGGGCGAGCCCTGA	46637	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019460	X_+_108297773_108297790	GTGAGGCGGGGGGCGAG	46638	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019461	X_+_108297775_108297791	GAGGCGGGGGGCGAGC	46639	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019462	X_+_108297775_108297793	GAGGCGGGGGGCGAGCCC	46640	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019463	X_+_108297776_108297791	AGGCGGGGGGCGAGC	46641	hsa-miR-6087;Derives_from=MI0020364

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019464	X_+_108297776_108297793	AGGCGGGGGGGCGAGCCC	46642	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019465	X_+_108297778_108297794	GCGGGGGGGCGAGCCCT	46643	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019466	X_+_108297779_108297795	CGGGGGGGCGAGCCCTG	46644	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019467	X_+_108297779_108297796	CGGGGGGGCGAGCCCTGA	46645	hsa-miR-6087;Derives_from=MI0020364
NovelMiR_KnownLoci_ID0019468	X_+_109298576_109298592	ACAACCCTAGGAGAGGG	46646	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019469	X_+_109298576_109298593	ACAACCCTAGGAGAGGGT	46647	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019470	X_+_109298576_109298594	ACAACCCTAGGAGAGGGTG	46648	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019471	X_+_109298576_109298595	ACAACCCTAGGAGAGGGTGC	46649	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019472	X_+_109298576_109298596	ACAACCCTAGGAGAGGGTGCC	46650	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019473	X_+_109298576_109298597	ACAACCCTAGGAGAGGGTGCCA	46651	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019474	X_+_109298576_109298598	ACAACCCTAGGAGAGGGTGCCAT	46652	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019475	X_+_109298576_109298599	ACAACCCTAGGAGAGGGTGCCATT	46653	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019476	X_+_109298576_109298600	ACAACCCTAGGAGAGGGTGCCATTC	46654	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019477	X_+_109298576_109298601	ACAACCCTAGGAGAGGGTGCCATTCA	46655	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019478	X_+_109298576_109298603	ACAACCCTAGGAGAGGGTGCCATTCACA	46656	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019479	X_+_109298577_109298595	CAACCCTAGGAGAGGGTGC	46657	hsa-miR-652-5p;Derives_from=MI0003667

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019480	X_+_109298577_109298599	CAACCCTAGGAGAGGGTGCCATT	46658	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019481	X_+_109298577_109298600	CAACCCTAGGAGAGGGTGCCATTC	46659	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019482	X_+_109298577_109298604	CAACCCTAGGAGAGGGTGCCATTC ACAT	46660	hsa-miR-652-5p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019483	X_+_109298617_109298632	AATGGCGCCACTAGGG	46661	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019484	X_+_109298617_109298634	AATGGCGCCACTAGGGTT	46662	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019485	X_+_109298617_109298635	AATGGCGCCACTAGGGTTG	46663	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019486	X_+_109298617_109298636	AATGGCGCCACTAGGGTTGT	46664	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019487	X_+_109298617_109298638	AATGGCGCCACTAGGGTTGTGC	46665	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019488	X_+_109298617_109298639	AATGGCGCCACTAGGGTTGTGCA	46666	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019489	X_+_109298617_109298640	AATGGCGCCACTAGGGTTGTGCAG	46667	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019490	X_+_109298618_109298638	ATGGCGCCACTAGGGTTGTGC	46668	hsa-miR-652-3p;Derives_from=MI0003667
NovelMiR_KnownLoci_ID0019491	X_-_112023955_112023976	CTCCTGAGACCCTAGTTCCACA	46669	hsa-miR-4329;Derives_from=MI0015901
NovelMiR_KnownLoci_ID0019492	X_-_112023956_112023976	CTCCTGAGACCCTAGTTCCAC	46670	hsa-miR-4329;Derives_from=MI0015901
NovelMiR_KnownLoci_ID0019493	X_-_112023958_112023976	CTCCTGAGACCCTAGTTCC	46671	hsa-miR-4329;Derives_from=MI0015901
NovelMiR_KnownLoci_ID0019494	X_-_112023960_112023976	CTCCTGAGACCCTAGTT	46672	hsa-miR-4329;Derives_from=MI0015901

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019495	X_-_11336773_11336797	ACAAGTAATTGCGGTTTTGCCATG G	46673	hsa-miR-548ax;Derives_from=MI0019286
NovelMiR_KnownLoci_ID0019496	X_-_11336775_11336796	GAAGTAATTGCGGTTTTGCCAT	46674	hsa-miR-548ax;Derives_from=MI0019286
NovelMiR_KnownLoci_ID0019497	X_-_11336775_11336797	AGAAGTAATTGCGGTTTTGCCAT	46675	hsa-miR-548ax;Derives_from=MI0019286
NovelMiR_KnownLoci_ID0019498	X_-_11336776_11336796	GAAGTAATTGCGGTTTTGCCA	46676	hsa-miR-548ax;Derives_from=MI0019286
NovelMiR_KnownLoci_ID0019499	X_-_11336777_11336797	AGAAGTAATTGCGGTTTTGCC	46677	hsa-miR-548ax;Derives_from=MI0019286
NovelMiR_KnownLoci_ID0019500	X_-_11336778_11336797	AGAAGTAATTGCGGTTTTGC	46678	hsa-miR-548ax;Derives_from=MI0019286
NovelMiR_KnownLoci_ID0019501	X_+_113873931_113873951	GGTGCTCACTTGTCCTCCTCC	46679	hsa-miR-764;Derives_from=MI0003944
NovelMiR_KnownLoci_ID0019502	X_+_113873931_113873952	GGTGCTCACTTGTCCTCCTCCA	46680	hsa-miR-764;Derives_from=MI0003944
NovelMiR_KnownLoci_ID0019503	X_+_113873931_113873953	GGTGCTCACTTGTCCTCCTCCAT	46681	hsa-miR-764;Derives_from=MI0003944
NovelMiR_KnownLoci_ID0019504	X_+_113886061_113886080	CAATACCCAGAGCATGCAGT	46682	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019505	X_+_113886063_113886084	ATACCCAGAGCATGCAGTGTGA	46683	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019506	X_+_113886064_113886082	TACCCAGAGCATGCAGTGT	46684	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019507	X_+_113886064_113886083	TACCCAGAGCATGCAGTGTG	46685	hsa-miR-1912;Derives_from=MI0008333

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019508	X_+_113886064_113886084	TACCCAGAGCATGCAGTGTGA	46686	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019509	X_+_113886064_113886086	TACCCAGAGCATGCAGTGTGAAC	46687	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019510	X_+_113886066_113886086	CCCAGAGCATGCAGTGTGAAC	46688	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019511	X_+_113886067_113886088	CCAGAGCATGCAGTGTGAACAT	46689	hsa-miR-1912;Derives_from=MI0008333
NovelMiR_KnownLoci_ID0019512	X_+_113887170_113887192	ACAAGTCTTATTTGAGCACCTGT	46690	hsa-miR-1264;Derives_from=MI0003758
NovelMiR_KnownLoci_ID0019513	X_+_113887171_113887191	CAAGTCTTATTTGAGCACCTG	46691	hsa-miR-1264;Derives_from=MI0003758
NovelMiR_KnownLoci_ID0019514	X_+_113887171_113887192	CAAGTCTTATTTGAGCACCTGT	46692	hsa-miR-1264;Derives_from=MI0003758
NovelMiR_KnownLoci_ID0019515	X_+_113887171_113887194	CAAGTCTTATTTGAGCACCTGTTA	46693	hsa-miR-1264;Derives_from=MI0003758
NovelMiR_KnownLoci_ID0019516	X_+_113949662_113949687	AAGAGTTCATTCGGCTGTCCAGATGT	46694	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019517	X_+_113949663_113949683	AGAGTTCATTCGGCTGTCCAG	46695	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019518	X_+_113949666_113949688	GTTCATTCGGCTGTCCAGATGTA	46696	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019519	X_+_113949667_113949682	TTCATTCGGCTGTCCA	46697	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019520	X_+_113949667_113949686	TTCATTCGGCTGTCCAGATG	46698	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019521	X_+_113949667_113949687	TTCATTCGGCTGTCCAGATGT	46699	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019522	X_+_113949667_113949689	TTCATTCGGCTGTCCAGATGTAT	46700	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019523	X_+_113949667_113949690	TTCATTCGGCTGTCCAGATGTATC	46701	hsa-miR-1298-5p;Derives_from=MI0003938

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019524	X_+_113949667_113949692	TTCATTCGGCTGTCCAGATGTATCCA	46702	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019525	X_+_113949668_113949689	TCATTCGGCTGTCCAGATGTAT	46703	hsa-miR-1298-5p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019526	X_+_113949718_113949739	ATACATCTGGGCAACTGACTGA	46704	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019527	X_+_113949721_113949739	CATCTGGGCAACTGACTGA	46705	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019528	X_+_113949721_113949740	CATCTGGGCAACTGACTGAA	46706	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019529	X_+_113949721_113949742	CATCTGGGCAACTGACTGAACT	46707	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019530	X_+_113949721_113949744	CATCTGGGCAACTGACTGAACTTT	46708	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019531	X_+_113949723_113949743	TCTGGGCAACTGACTGAACTT	46709	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019532	X_+_113949725_113949745	TGGGCAACTGACTGAACTTTT	46710	hsa-miR-1298-3p;Derives_from=MI0003938
NovelMiR_KnownLoci_ID0019533	X_+_113997749_113997766	ATCTGCTGAGTACCGCCA	46711	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019534	X_+_113997749_113997767	ATCTGCTGAGTACCGCCAT	46712	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019535	X_+_113997749_113997768	ATCTGCTGAGTACCGCCATG	46713	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019536	X_+_113997749_113997769	ATCTGCTGAGTACCGCCATGT	46714	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019537	X_+_113997749_113997770	ATCTGCTGAGTACCGCCATGTC	46715	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019538	X_+_113997749_113997771	ATCTGCTGAGTACCGCCATGTCT	46716	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019539	X_+_113997755_113997770	TGAGTACCGCCATGTC	46717	hsa-miR-1911-5p;Derives_from=MI0008332

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019540	X_+_113997755_113997773	TGAGTACCGCCATGTCTGT	46718	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019541	X_+_113997755_113997774	TGAGTACCGCCATGTCTGTT	46719	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019542	X_+_113997755_113997775	TGAGTACCGCCATGTCTGTTG	46720	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019543	X_+_113997755_113997776	TGAGTACCGCCATGTCTGTTGG	46721	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019544	X_+_113997755_113997778	TGAGTACCGCCATGTCTGTTGGGC	46722	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019545	X_+_113997755_113997781	TGAGTACCGCCATGTCTGTTGGGCATC	46723	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019546	X_+_113997756_113997777	GAGTACCGCCATGTCTGTTGGG	46724	hsa-miR-1911-5p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019547	X_+_113997792_113997812	CACCAGGCATTGTGGTCTCCG	46725	hsa-miR-1911-3p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019548	X_+_113997792_113997813	CACCAGGCATTGTGGTCTCCGC	46726	hsa-miR-1911-3p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019549	X_+_113997792_113997814	CACCAGGCATTGTGGTCTCCGCT	46727	hsa-miR-1911-3p;Derives_from=MI0008332
NovelMiR_KnownLoci_ID0019550	X_+_114058086_114058105	GTTGCATATGTAGGATGTCC	46728	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019551	X_+_114058086_114058108	GTTGCATATGTAGGATGTCCCAT	46729	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019552	X_+_114058087_114058105	TTGCATATGTAGGATGTCC	46730	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019553	X_+_114058087_114058106	TTGCATATGTAGGATGTCCC	46731	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019554	X_+_114058087_114058107	TTGCATATGTAGGATGTCCCA	46732	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019555	X_+_114058087_114058109	TTGCATATGTAGGATGTCCCATC	46733	hsa-miR-448;Derives_from=MI0001637

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019556	X_+_114058087_114058112	TTGCATATGTAGGATGTCCCATCTCC	46734	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019557	X_+_114058091_114058106	ATATGTAGGATGTCCC	46735	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019558	X_+_114058097_114058114	AGGATGTCCCATCTCCCA	46736	hsa-miR-448;Derives_from=MI0001637
NovelMiR_KnownLoci_ID0019559	X_+_117520367_117520390	TATATATATATATGTACGTATGTG	46737	hsa-miR-1277-5p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019560	X_+_117520402_117520423	ATACGTAGATATATATGTATTT	46738	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019561	X_+_117520402_117520424	ATACGTAGATATATATGTATTTT	46739	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019562	X_+_117520403_117520422	TACGTAGATATATATGTATT	46740	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019563	X_+_117520403_117520423	TACGTAGATATATATGTATTT	46741	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019564	X_+_117520403_117520425	TACGTAGATATATATGTATTTTT	46742	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019565	X_+_117520403_117520426	TACGTAGATATATATGTATTTTTG	46743	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019566	X_+_117520403_117520427	TACGTAGATATATATGTATTTTTGG	46744	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019567	X_+_117520403_117520428	TACGTAGATATATATGTATTTTTGGT	46745	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019568	X_+_117520403_117520429	TACGTAGATATATATGTATTTTTGGTG	46746	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019569	X_+_117520404_117520423	ACGTAGATATATATGTATTT	46747	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019570	X_+_117520405_117520423	CGTAGATATATATGTATTT	46748	hsa-miR-1277-3p;Derives_from=MI0006419
NovelMiR_KnownLoci_ID0019571	X_-_118780723_118780747	ACTCCAGCCCCACAGCCTCAGCCAC	46749	hsa-miR-766-3p;Derives_from=MI0003836

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019572	X_-_118780724_118780747	ACTCCAGCCCCACAGCCTCAGCCA	46750	hsa-miR-766-3p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019573	X_-_118780725_118780747	ACTCCAGCCCCACAGCCTCAGCC	46751	hsa-miR-766-3p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019574	X_-_118780726_118780746	CTCCAGCCCCACAGCCTCAGC	46752	hsa-miR-766-3p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019575	X_-_118780727_118780747	ACTCCAGCCCCACAGCCTCAG	46753	hsa-miR-766-3p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019576	X_-_118780728_118780747	ACTCCAGCCCCACAGCCTCA	46754	hsa-miR-766-3p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019577	X_-_118780757_118780782	GGAGGAATTGGTGCTGGTCTTTCA TT	46755	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019578	X_-_118780757_118780783	AGGAGGAATTGGTGCTGGTCTTTC ATT	46756	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019579	X_-_118780759_118780782	GGAGGAATTGGTGCTGGTCTTTCA	46757	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019580	X_-_118780759_118780783	AGGAGGAATTGGTGCTGGTCTTTC A	46758	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019581	X_-_118780760_118780782	GGAGGAATTGGTGCTGGTCTTTC	46759	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019582	X_-_118780760_118780783	AGGAGGAATTGGTGCTGGTCTTTC	46760	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019583	X_-_118780761_118780783	AGGAGGAATTGGTGCTGGTCTTT	46761	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019584	X_-_118780762_118780782	GGAGGAATTGGTGCTGGTCTT	46762	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019585	X_-_118780763_118780783	AGGAGGAATTGGTGCTGGTCT	46763	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019586	X_-_118780763_118780784	TAGGAGGAATTGGTGCTGGTCT	46764	hsa-miR-766-5p;Derives_from=MI0003836
NovelMiR_KnownLoci_ID0019587	X_-_118780765_118780783	AGGAGGAATTGGTGCTGGT	46765	hsa-miR-766-5p;Derives_from=MI0003836

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019588	X_+_120504838_120504857	CCATGAGACTCATGTAAAAC	46766	hsa-miR-3672;Derives_from=MI0016073
NovelMiR_KnownLoci_ID0019589	X_+_120504839_120504861	CATGAGACTCATGTAAAACATCT	46767	hsa-miR-3672;Derives_from=MI0016073
NovelMiR_KnownLoci_ID0019590	X_+_120504840_120504859	ATGAGACTCATGTAAAACAT	46768	hsa-miR-3672;Derives_from=MI0016073
NovelMiR_KnownLoci_ID0019591	X_+_120504840_120504861	ATGAGACTCATGTAAAACATCT	46769	hsa-miR-3672;Derives_from=MI0016073
NovelMiR_KnownLoci_ID0019592	X_+_120504853_120504868	AAAACATCTTAGACTA	46770	hsa-miR-3672;Derives_from=MI0016073
NovelMiR_KnownLoci_ID0019593	X_-_133303408_133303433	AATTGCACGGTATCCATCTGTAAACC	46771	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019594	X_-_133303409_133303432	ATTGCACGGTATCCATCTGTAAAC	46772	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019595	X_-_133303409_133303433	AATTGCACGGTATCCATCTGTAAAC	46773	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019596	X_-_133303410_133303433	AATTGCACGGTATCCATCTGTAAA	46774	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019597	X_-_133303411_133303432	ATTGCACGGTATCCATCTGTAA	46775	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019598	X_-_133303411_133303433	AATTGCACGGTATCCATCTGTAA	46776	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019599	X_-_133303412_133303432	ATTGCACGGTATCCATCTGTA	46777	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019600	X_-_133303413_133303432	ATTGCACGGTATCCATCTGT	46778	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019601	X_-_133303413_133303433	AATTGCACGGTATCCATCTGT	46779	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019602	X_-_133303414_133303433	AATTGCACGGTATCCATCTG	46780	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019603	X_-_133303415_133303433	AATTGCACGGTATCCATCT	46781	hsa-miR-363-3p;Derives_from=MI0000764

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019604	X_-_133303417_133303433	AATTGCACGGTATCCAT	46782	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019605	X_-_133303418_133303433	AATTGCACGGTATCCA	46783	hsa-miR-363-3p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019606	X_-_133303454_133303475	GGGTGGATCACGATGCAATTTT	46784	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019607	X_-_133303454_133303476	CGGGTGGATCACGATGCAATTTT	46785	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019608	X_-_133303455_133303475	GGGTGGATCACGATGCAATTT	46786	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019609	X_-_133303456_133303475	GGGTGGATCACGATGCAATT	46787	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019610	X_-_133303456_133303476	CGGGTGGATCACGATGCAATT	46788	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019611	X_-_133303457_133303476	CGGGTGGATCACGATGCAAT	46789	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019612	X_-_133303458_133303476	CGGGTGGATCACGATGCAA	46790	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019613	X_-_133303459_133303476	CGGGTGGATCACGATGCA	46791	hsa-miR-363-5p;Derives_from=MI0000764
NovelMiR_KnownLoci_ID0019614	X_-_133303570_133303595	TATTGCACTTGTCCCGGCCTGTGGAA	46792	hsa-miR-92a-3p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019615	X_-_133303571_133303595	TATTGCACTTGTCCCGGCCTGTGGA	46793	hsa-miR-92a-3p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019616	X_-_133303572_133303594	ATTGCACTTGTCCCGGCCTGTGG	46794	hsa-miR-92a-3p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019617	X_-_133303572_133303595	TATTGCACTTGTCCCGGCCTGTGG	46795	hsa-miR-92a-3p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019618	X_-_133303573_133303594	ATTGCACTTGTCCCGGCCTGTG	46796	hsa-miR-92a-3p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019619	X_-_133303573_133303595	TATTGCACTTGTCCCGGCCTGTG	46797	hsa-miR-92a-3p;Derives_from=MI0000094

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019620	X_-_133303610_133303631	TGGGGATTTGTTGCATTACTTG	46798	hsa-miR-92a-2-5p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019621	X_-_133303611_133303634	GGGTGGGGATTTGTTGCATTACTT	46799	hsa-miR-92a-2-5p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019622	X_-_133303612_133303634	GGGTGGGGATTTGTTGCATTACT	46800	hsa-miR-92a-2-5p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019623	X_-_133303613_133303635	TGGGTGGGGATTTGTTGCATTAC	46801	hsa-miR-92a-2-5p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019624	X_-_133303614_133303634	GGGTGGGGATTTGTTGCATTA	46802	hsa-miR-92a-2-5p;Derives_from=MI0000094
NovelMiR_KnownLoci_ID0019625	X_-_133303709_133303735	TGTGCAAATCCATGCAAAACTGAT TGT	46803	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019626	X_-_133303710_133303735	TGTGCAAATCCATGCAAAACTGAT TG	46804	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019627	X_-_133303711_133303734	GTGCAAATCCATGCAAAACTGATT	46805	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019628	X_-_133303711_133303735	TGTGCAAATCCATGCAAAACTGAT T	46806	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019629	X_-_133303712_133303731	CAAATCCATGCAAAACTGAT	46807	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019630	X_-_133303712_133303734	GTGCAAATCCATGCAAAACTGAT	46808	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019631	X_-_133303712_133303735	TGTGCAAATCCATGCAAAACTGAT	46809	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019632	X_-_133303713_133303738	GGCTGTGCAAATCCATGCAAAACT GA	46810	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019633	X_-_133303713_133303739	TGGCTGTGCAAATCCATGCAAAAC TGA	46811	hsa-miR-19b-3p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019634	X_-_133303754_133303778	AGTTTTGCAGGTTTGCATTTCAGC G	46812	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019635	X_-_133303755_133303778	AGTTTTGCAGGTTTGCATTTCAGC	46813	hsa-miR-19b-2-5p;Derives_from=MI0000075

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019636	X_-_133303756_133303778	AGTTTTGCAGGTTTGCATTTCAG	46814	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019637	X_-_133303757_133303779	TAGTTTTGCAGGTTTGCATTTCA	46815	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019638	X_-_133303758_133303777	GTTTTGCAGGTTTGCATTTC	46816	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019639	X_-_133303758_133303778	AGTTTTGCAGGTTTGCATTTC	46817	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019640	X_-_133303759_133303778	AGTTTTGCAGGTTTGCATTT	46818	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019641	X_-_133303760_133303778	AGTTTTGCAGGTTTGCATT	46819	hsa-miR-19b-2-5p;Derives_from=MI0000075
NovelMiR_KnownLoci_ID0019642	X_-_133303840_133303864	ACTGTAGTATGGGCACTTCCAGTAC	46820	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019643	X_-_133303841_133303864	ACTGTAGTATGGGCACTTCCAGTA	46821	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019644	X_-_133303842_133303864	ACTGTAGTATGGGCACTTCCAGT	46822	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019645	X_-_133303844_133303864	ACTGTAGTATGGGCACTTCCA	46823	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019646	X_-_133303845_133303864	ACTGTAGTATGGGCACTTCC	46824	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019647	X_-_133303847_133303865	TACTGTAGTATGGGCACTT	46825	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019648	X_-_133303848_133303867	TCTACTGTAGTATGGGCACT	46826	hsa-miR-20b-3p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019649	X_-_133303877_133303902	CAAAGTGCTCATAGTGCAGGTAGTTT	46827	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019650	X_-_133303878_133303902	CAAAGTGCTCATAGTGCAGGTAGTT	46828	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019651	X_-_133303879_133303902	CAAAGTGCTCATAGTGCAGGTAGT	46829	hsa-miR-20b-5p;Derives_from=MI0001519

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019652	X_-_133303880_133303901	AAAGTGCTCATAGTGCAGGTAG	46830	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019653	X_-_133303881_133303902	CAAAGTGCTCATAGTGCAGGTA	46831	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019654	X_-_133303882_133303902	CAAAGTGCTCATAGTGCAGGT	46832	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019655	X_-_133303883_133303902	CAAAGTGCTCATAGTGCAGG	46833	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019656	X_-_133303884_133303902	CAAAGTGCTCATAGTGCAG	46834	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019657	X_-_133303885_133303902	CAAAGTGCTCATAGTGCA	46835	hsa-miR-20b-5p;Derives_from=MI0001519
NovelMiR_KnownLoci_ID0019658	X_-_133304071_133304096	TACTGCCCTAAATGCCCCTTCTGGCA	46836	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019659	X_-_133304072_133304095	ACTGCCCTAAATGCCCCTTCTGGC	46837	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019660	X_-_133304072_133304096	TACTGCCCTAAATGCCCCTTCTGGC	46838	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019661	X_-_133304073_133304093	TGCCCTAAATGCCCCTTCTGG	46839	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019662	X_-_133304073_133304095	ACTGCCCTAAATGCCCCTTCTGG	46840	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019663	X_-_133304073_133304096	TACTGCCCTAAATGCCCCTTCTGG	46841	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019664	X_-_133304074_133304095	ACTGCCCTAAATGCCCCTTCTG	46842	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019665	X_-_133304074_133304096	TACTGCCCTAAATGCCCCTTCTG	46843	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019666	X_-_133304075_133304095	ACTGCCCTAAATGCCCCTTCT	46844	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019667	X_-_133304075_133304096	TACTGCCCTAAATGCCCCTTCT	46845	hsa-miR-18b-3p;Derives_from=MI0001518

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019668	X_-_133304076_133304093	TGCCCTAAATGCCCCTTC	46846	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019669	X_-_133304076_133304096	TACTGCCCTAAATGCCCCTTC	46847	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019670	X_-_133304077_133304095	ACTGCCCTAAATGCCCCTT	46848	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019671	X_-_133304077_133304096	TACTGCCCTAAATGCCCCTT	46849	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019672	X_-_133304078_133304096	TACTGCCCTAAATGCCCCT	46850	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019673	X_-_133304079_133304096	TACTGCCCTAAATGCCCC	46851	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019674	X_-_133304080_133304096	TACTGCCCTAAATGCCC	46852	hsa-miR-18b-3p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019675	X_-_133304112_133304136	TAAGGTGCATCTAGTGCAGTTAGTG	46853	hsa-miR-18b-5p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019676	X_-_133304113_133304136	TAAGGTGCATCTAGTGCAGTTAGT	46854	hsa-miR-18b-5p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019677	X_-_133304115_133304136	TAAGGTGCATCTAGTGCAGTTA	46855	hsa-miR-18b-5p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019678	X_-_133304116_133304136	TAAGGTGCATCTAGTGCAGTT	46856	hsa-miR-18b-5p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019679	X_-_133304117_133304136	TAAGGTGCATCTAGTGCAGT	46857	hsa-miR-18b-5p;Derives_from=MI0001518
NovelMiR_KnownLoci_ID0019680	X_-_133304235_133304259	CTGCAATGTAAGCACTTCTTACATT	46858	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019681	X_-_133304235_133304260	ACTGCAATGTAAGCACTTCTTACATT	46859	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019682	X_-_133304238_133304260	ACTGCAATGTAAGCACTTCTTAC	46860	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019683	X_-_133304238_133304261	TACTGCAATGTAAGCACTTCTTAC	46861	hsa-miR-106a-3p;Derives_from=MI0000113

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019684	X_-_133304239_133304260	ACTGCAATGTAAGCACTTCTTA	46862	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019685	X_-_133304239_133304261	TACTGCAATGTAAGCACTTCTTA	46863	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019686	X_-_133304240_133304259	CTGCAATGTAAGCACTTCTT	46864	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019687	X_-_133304240_133304260	ACTGCAATGTAAGCACTTCTT	46865	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019688	X_-_133304240_133304261	TACTGCAATGTAAGCACTTCTT	46866	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019689	X_-_133304241_133304260	ACTGCAATGTAAGCACTTCT	46867	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019690	X_-_133304241_133304261	TACTGCAATGTAAGCACTTCT	46868	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019691	X_-_133304241_133304262	CTACTGCAATGTAAGCACTTCT	46869	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019692	X_-_133304242_133304260	ACTGCAATGTAAGCACTTC	46870	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019693	X_-_133304242_133304261	TACTGCAATGTAAGCACTTC	46871	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019694	X_-_133304243_133304261	TACTGCAATGTAAGCACTT	46872	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019695	X_-_133304244_133304261	TACTGCAATGTAAGCACT	46873	hsa-miR-106a-3p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019696	X_-_133304270_133304295	AAAGTGCTTACAGTGCAGGTAGCTTT	46874	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019697	X_-_133304271_133304295	AAAGTGCTTACAGTGCAGGTAGCTT	46875	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019698	X_-_133304272_133304290	GCTTACAGTGCAGGTAGCT	46876	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019699	X_-_133304272_133304292	GTGCTTACAGTGCAGGTAGCT	46877	hsa-miR-106a-5p;Derives_from=MI0000113

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019700	X_-_133304272_133304295	AAAGTGCTTACAGTGCAGGTAGCT	46878	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019701	X_-_133304272_133304296	AAAAGTGCTTACAGTGCAGGTAGC T	46879	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019702	X_-_133304273_133304295	AAAGTGCTTACAGTGCAGGTAGC	46880	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019703	X_-_133304273_133304296	AAAAGTGCTTACAGTGCAGGTAGC	46881	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019704	X_-_133304275_133304296	AAAAGTGCTTACAGTGCAGGTA	46882	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019705	X_-_133304276_133304296	AAAAGTGCTTACAGTGCAGGT	46883	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019706	X_-_133304277_133304296	AAAAGTGCTTACAGTGCAGG	46884	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019707	X_-_133304278_133304296	AAAAGTGCTTACAGTGCAG	46885	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019708	X_-_133304279_133304296	AAAAGTGCTTACAGTGCA	46886	hsa-miR-106a-5p;Derives_from=MI0000113
NovelMiR_KnownLoci_ID0019709	X_-_133674224_133674246	ATTGGGATCATTTTGCATCCATA	46887	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019710	X_-_133674225_133674244	TGGGATCATTTTGCATCCAT	46888	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019711	X_-_133674225_133674245	TTGGGATCATTTTGCATCCAT	46889	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019712	X_-_133674225_133674246	ATTGGGATCATTTTGCATCCAT	46890	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019713	X_-_133674226_133674246	ATTGGGATCATTTTGCATCCA	46891	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019714	X_-_133674226_133674247	TATTGGGATCATTTTGCATCCA	46892	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019715	X_-_133674228_133674245	TTGGGATCATTTTGCATC	46893	hsa-miR-450b-3p;Derives_from=MI0005531

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019716	X_-_133674228_133674247	TATTGGGATCATTTTGCATC	46894	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019717	X_-_133674229_133674246	ATTGGGATCATTTTGCAT	46895	hsa-miR-450b-3p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019718	X_-_133674258_133674282	TTTTGCAATATGTTCCTGAATATG T	46896	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019719	X_-_133674259_133674282	TTTTGCAATATGTTCCTGAATATG	46897	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019720	X_-_133674260_133674281	TTTGCAATATGTTCCTGAATAT	46898	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019721	X_-_133674260_133674282	TTTTGCAATATGTTCCTGAATAT	46899	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019722	X_-_133674262_133674281	TTTGCAATATGTTCCTGAAT	46900	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019723	X_-_133674262_133674282	TTTTGCAATATGTTCCTGAAT	46901	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019724	X_-_133674263_133674282	TTTTGCAATATGTTCCTGAA	46902	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019725	X_-_133674264_133674282	TTTTGCAATATGTTCCTGA	46903	hsa-miR-450b-5p;Derives_from=MI0005531
NovelMiR_KnownLoci_ID0019726	X_-_133674418_133674444	TTTTGCGATGTGTTCCTAATATGC ACT	46904	hsa-miR-450a-5p;Derives_from=MI0001652
NovelMiR_KnownLoci_ID0019727	X_-_133674419_133674444	TTTTGCGATGTGTTCCTAATATGC AC	46905	hsa-miR-450a-5p;Derives_from=MI0001652
NovelMiR_KnownLoci_ID0019728	X_-_133674420_133674444	TTTTGCGATGTGTTCCTAATATGC A	46906	hsa-miR-450a-5p;Derives_from=MI0001652
NovelMiR_KnownLoci_ID0019729	X_-_133674421_133674442	TTGCGATGTGTTCCTAATATGC	46907	hsa-miR-450a-5p;Derives_from=MI0001652
NovelMiR_KnownLoci_ID0019730	X_-_133674421_133674443	TTTGCGATGTGTTCCTAATATGC	46908	hsa-miR-450a-5p;Derives_from=MI0001652
NovelMiR_KnownLoci_ID0019731	X_-_133674421_133674444	TTTTGCGATGTGTTCCTAATATGC	46909	hsa-miR-450a-5p;Derives_from=MI0001652

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019732	X_-_133674423_133674446	GTTTTTGCGATGTGTTCCTAATAT	46910	hsa-miR-450a-5p;Derives_from=MI0001652
NovelMiR_KnownLoci_ID0019733	X_-_133674558_133674579	TTGGGGACATTTTGCATTCATA	46911	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019733	X_-_133674558_133674579	TTGGGGACATTTTGCATTCATA	46912	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019734	X_-_133674558_133674580	ATTGGGGACATTTTGCATTCATA	46913	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019734	X_-_133674558_133674580	ATTGGGGACATTTTGCATTCATA	46914	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019735	X_-_133674558_133674581	TATTGGGGACATTTTGCATTCATA	46915	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019735	X_-_133674558_133674581	TATTGGGGACATTTTGCATTCATA	46916	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019736	X_-_133674559_133674579	TTGGGGACATTTTGCATTCAT	46917	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019736	X_-_133674559_133674579	TTGGGGACATTTTGCATTCAT	46918	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019737	X_-_133674559_133674581	TATTGGGGACATTTTGCATTCAT	46919	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019737	X_-_133674559_133674581	TATTGGGGACATTTTGCATTCAT	46920	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019738	X_-_133674560_133674577	GGGGACATTTTGCATTCA	46921	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019738	X_-_133674560_133674577	GGGGACATTTTGCATTCA	46922	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019739	X_-_133674560_133674579	TTGGGGACATTTTGCATTCA	46923	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019739	X_-_133674560_133674579	TTGGGGACATTTTGCATTCA	46924	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019740	X_-_133674560_133674580	ATTGGGGACATTTTGCATTCA	46925	hsa-miR-450a-1-3p;Derives_from=MI0003187

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019740	X_-_133674560_133674580	ATTGGGGACATTTTGCATTCA	46926	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019741	X_-_133674560_133674581	TATTGGGGACATTTTGCATTCA	46927	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019741	X_-_133674560_133674581	TATTGGGGACATTTTGCATTCA	46928	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019742	X_-_133674561_133674579	TTGGGGACATTTTGCATTC	46929	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019742	X_-_133674561_133674579	TTGGGGACATTTTGCATTC	46930	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019743	X_-_133674561_133674580	ATTGGGGACATTTTGCATTC	46931	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019743	X_-_133674561_133674580	ATTGGGGACATTTTGCATTC	46932	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019744	X_-_133674562_133674579	TTGGGGACATTTTGCATT	46933	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019744	X_-_133674562_133674579	TTGGGGACATTTTGCATT	46934	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019745	X_-_133674568_133674586	AAATGTATTGGGGACATTT	46935	hsa-miR-450a-1-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019745	X_-_133674568_133674586	AAATGTATTGGGGACATTT	46936	hsa-miR-450a-2-3p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019746	X_-_133674588_133674615	TTTTGCGATGTGTTCCTAATATGTAATA	46937	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019747	X_-_133674589_133674615	TTTTGCGATGTGTTCCTAATATGTAAT	46938	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019748	X_-_133674591_133674615	TTTTGCGATGTGTTCCTAATATGTA	46939	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019749	X_-_133674592_133674612	TGCGATGTGTTCCTAATATGT	46940	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019750	X_-_133674592_133674614	TTTGCGATGTGTTCCTAATATGT	46941	hsa-miR-450a-5p;Derives_from=MI0003187

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019751	X_-_133674592_133674615	TTTTGCGATGTGTTCCTAATATGT	46942	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019752	X_-_133674598_133674619	CTATTTTTGCGATGTGTTCCTA	46943	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019753	X_-_133674602_133674620	ACTATTTTTGCGATGTGTT	46944	hsa-miR-450a-5p;Derives_from=MI0003187
NovelMiR_KnownLoci_ID0019754	X_-_133675390_133675415	TGTGACAGATTGATAACTGAAAGGTC	46945	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019755	X_-_133675393_133675415	TGTGACAGATTGATAACTGAAAG	46946	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019756	X_-_133675394_133675416	TTGTGACAGATTGATAACTGAAA	46947	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019757	X_-_133675395_133675415	TGTGACAGATTGATAACTGAA	46948	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019758	X_-_133675395_133675416	TTGTGACAGATTGATAACTGAA	46949	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019759	X_-_133675396_133675415	TGTGACAGATTGATAACTGA	46950	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019760	X_-_133675396_133675416	TTGTGACAGATTGATAACTGA	46951	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019761	X_-_133675397_133675415	TGTGACAGATTGATAACTG	46952	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019762	X_-_133675398_133675416	TTGTGACAGATTGATAACT	46953	hsa-miR-542-3p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019763	X_-_133675425_133675452	TCGGGGATCATCATGTCACGAGATACCA	46954	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019764	X_-_133675427_133675452	TCGGGGATCATCATGTCACGAGATAC	46955	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019765	X_-_133675428_133675452	TCGGGGATCATCATGTCACGAGATA	46956	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019766	X_-_133675428_133675453	CTCGGGGATCATCATGTCACGAGATA	46957	hsa-miR-542-5p;Derives_from=MI0003686

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019767	X_-_133675429_133675452	TCGGGGATCATCATGTCACGAGAT	46958	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019768	X_-_133675431_133675452	TCGGGGATCATCATGTCACGAG	46959	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019769	X_-_133675432_133675451	CGGGGATCATCATGTCACGA	46960	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019770	X_-_133675432_133675452	TCGGGGATCATCATGTCACGA	46961	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019771	X_-_133675432_133675453	CTCGGGGATCATCATGTCACGA	46962	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019772	X_-_133675433_133675452	TCGGGGATCATCATGTCACG	46963	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019773	X_-_133675435_133675452	TCGGGGATCATCATGTCA	46964	hsa-miR-542-5p;Derives_from=MI0003686
NovelMiR_KnownLoci_ID0019774	X_-_133680358_133680383	GGGGTATTGTTTCCGCTGCCAGGGTA	46965	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019775	X_-_133680359_133680383	GGGGTATTGTTTCCGCTGCCAGGGT	46966	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019776	X_-_133680360_133680382	GGGTATTGTTTCCGCTGCCAGGG	46967	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019777	X_-_133680360_133680383	GGGGTATTGTTTCCGCTGCCAGGG	46968	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019778	X_-_133680360_133680384	TGGGGTATTGTTTCCGCTGCCAGGG	46969	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019779	X_-_133680361_133680382	GGGTATTGTTTCCGCTGCCAGG	46970	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019780	X_-_133680361_133680384	TGGGGTATTGTTTCCGCTGCCAGG	46971	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019781	X_-_133680362_133680382	GGGTATTGTTTCCGCTGCCAG	46972	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019782	X_-_133680362_133680383	GGGGTATTGTTTCCGCTGCCAG	46973	hsa-miR-503-3p;Derives_from=MI0003188

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019783	X_-_133680362_133680384	TGGGGTATTGTTTCCGCTGCCAG	46974	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019784	X_-_133680363_133680382	GGGTATTGTTTCCGCTGCCA	46975	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019785	X_-_133680363_133680383	GGGGTATTGTTTCCGCTGCCA	46976	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019786	X_-_133680364_133680383	GGGGTATTGTTTCCGCTGCC	46977	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019787	X_-_133680364_133680385	CTGGGGTATTGTTTCCGCTGCC	46978	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019788	X_-_133680364_133680386	TCTGGGGTATTGTTTCCGCTGCC	46979	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019789	X_-_133680365_133680383	GGGGTATTGTTTCCGCTGC	46980	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019790	X_-_133680365_133680386	TCTGGGGTATTGTTTCCGCTGC	46981	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019791	X_-_133680366_133680382	GGGTATTGTTTCCGCTG	46982	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019792	X_-_133680366_133680386	TCTGGGGTATTGTTTCCGCTG	46983	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019793	X_-_133680367_133680383	GGGGTATTGTTTCCGCT	46984	hsa-miR-503-3p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019794	X_-_133680400_133680420	CAGCGGGAACAGTTCTGCAGT	46985	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019795	X_-_133680400_133680423	TAGCAGCGGGAACAGTTCTGCAGT	46986	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019796	X_-_133680401_133680420	CAGCGGGAACAGTTCTGCAG	46987	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019797	X_-_133680402_133680420	CAGCGGGAACAGTTCTGCA	46988	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019798	X_-_133680402_133680423	TAGCAGCGGGAACAGTTCTGCA	46989	hsa-miR-503-5p;Derives_from=MI0003188

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019799	X_-_133680403_133680420	CAGCGGGAACAGTTCTGC	46990	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019800	X_-_133680403_133680423	TAGCAGCGGGAACAGTTCTGC	46991	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019801	X_-_133680404_133680420	CAGCGGGAACAGTTCTG	46992	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019802	X_-_133680404_133680423	TAGCAGCGGGAACAGTTCTG	46993	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019803	X_-_133680405_133680420	CAGCGGGAACAGTTCT	46994	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019804	X_-_133680405_133680423	TAGCAGCGGGAACAGTTCT	46995	hsa-miR-503-5p;Derives_from=MI0003188
NovelMiR_KnownLoci_ID0019805	X_-_133680671_133680692	AAACGTGAGGCGCTGCTATACC	46996	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019806	X_-_133680671_133680693	AAAACGTGAGGCGCTGCTATACC	46997	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019807	X_-_133680671_133680694	CAAAACGTGAGGCGCTGCTATACC	46998	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019808	X_-_133680672_133680694	CAAAACGTGAGGCGCTGCTATAC	46999	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019809	X_-_133680673_133680693	AAAACGTGAGGCGCTGCTATA	47000	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019810	X_-_133680673_133680694	CAAAACGTGAGGCGCTGCTATA	47001	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019811	X_-_133680675_133680694	CAAAACGTGAGGCGCTGCTA	47002	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019812	X_-_133680676_133680694	CAAAACGTGAGGCGCTGCT	47003	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019813	X_-_133680677_133680693	AAAACGTGAGGCGCTGC	47004	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019814	X_-_133680678_133680694	CAAAACGTGAGGCGCTG	47005	hsa-miR-424-3p;Derives_from=MI0001446

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019815	X_-_133680679_133680694	CAAAACGTGAGGCGCT	47006	hsa-miR-424-3p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019816	X_-_133680706_133680731	CAGCAGCAATTCATGTTTTGAAGTGT	47007	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019817	X_-_133680708_133680731	CAGCAGCAATTCATGTTTTGAAGT	47008	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019818	X_-_133680709_133680731	CAGCAGCAATTCATGTTTTGAAG	47009	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019819	X_-_133680710_133680730	AGCAGCAATTCATGTTTTGAA	47010	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019820	X_-_133680711_133680731	CAGCAGCAATTCATGTTTTGA	47011	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019821	X_-_133680712_133680731	CAGCAGCAATTCATGTTTTG	47012	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019822	X_-_133680713_133680731	CAGCAGCAATTCATGTTTT	47013	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019823	X_-_133680714_133680731	CAGCAGCAATTCATGTTT	47014	hsa-miR-424-5p;Derives_from=MI0001446
NovelMiR_KnownLoci_ID0019824	X_+_135633051_135633067	TGTCTACTACTGGAGAC	47015	hsa-miR-934;Derives_from=MI0005756
NovelMiR_KnownLoci_ID0019825	X_+_135633051_135633068	TGTCTACTACTGGAGACA	47016	hsa-miR-934;Derives_from=MI0005756
NovelMiR_KnownLoci_ID0019826	X_+_135633051_135633070	TGTCTACTACTGGAGACACT	47017	hsa-miR-934;Derives_from=MI0005756
NovelMiR_KnownLoci_ID0019827	X_+_135633051_135633071	TGTCTACTACTGGAGACACTG	47018	hsa-miR-934;Derives_from=MI0005756
NovelMiR_KnownLoci_ID0019828	X_+_135633051_135633073	TGTCTACTACTGGAGACACTGGT	47019	hsa-miR-934;Derives_from=MI0005756
NovelMiR_KnownLoci_ID0019829	X_+_135633051_135633074	TGTCTACTACTGGAGACACTGGTA	47020	hsa-miR-934;Derives_from=MI0005756
NovelMiR_KnownLoci_ID0019830	X_+_135633051_135633077	TGTCTACTACTGGAGACACTGGTAGTA	47021	hsa-miR-934;Derives_from=MI0005756

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019831	X_-_137749882_137749905	GGGAGTGCAGGGCAGGGTTTCCCA	47022	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019832	X_-_137749882_137749908	GAAGGGAGTGCAGGGCAGGGTTTCCCA	47023	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019833	X_-_137749883_137749905	GGGAGTGCAGGGCAGGGTTTCCC	47024	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019834	X_-_137749883_137749906	AGGGAGTGCAGGGCAGGGTTTCCC	47025	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019835	X_-_137749884_137749905	GGGAGTGCAGGGCAGGGTTTCC	47026	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019836	X_-_137749884_137749906	AGGGAGTGCAGGGCAGGGTTTCC	47027	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019837	X_-_137749884_137749907	AAGGGAGTGCAGGGCAGGGTTTCC	47028	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019838	X_-_137749885_137749908	GAAGGGAGTGCAGGGCAGGGTTTC	47029	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019839	X_-_137749886_137749903	GAGTGCAGGGCAGGGTTT	47030	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019840	X_-_137749886_137749905	GGGAGTGCAGGGCAGGGTTT	47031	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019841	X_-_137749886_137749906	AGGGAGTGCAGGGCAGGGTTT	47032	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019842	X_-_137749886_137749907	AAGGGAGTGCAGGGCAGGGTTT	47033	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019843	X_-_137749886_137749909	TGAAGGGAGTGCAGGGCAGGGTTT	47034	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019844	X_-_137749887_137749905	GGGAGTGCAGGGCAGGGTT	47035	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019845	X_-_137749887_137749906	AGGGAGTGCAGGGCAGGGTT	47036	hsa-miR-504-3p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019846	X_-_137749915_137749941	GACCCTGGTCTGCACTCTATCTGTATT	47037	hsa-miR-504-5p;Derives_from=MI0003189

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019847	X_-_137749918_137749941	GACCCTGGTCTGCACTCTATCTGT	47038	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019848	X_-_137749918_137749942	AGACCCTGGTCTGCACTCTATCTG T	47039	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019849	X_-_137749919_137749941	GACCCTGGTCTGCACTCTATCTG	47040	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019850	X_-_137749920_137749941	GACCCTGGTCTGCACTCTATCT	47041	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019851	X_-_137749920_137749942	AGACCCTGGTCTGCACTCTATCT	47042	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019852	X_-_137749921_137749941	GACCCTGGTCTGCACTCTATC	47043	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019853	X_-_137749922_137749941	GACCCTGGTCTGCACTCTAT	47044	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019854	X_-_137749922_137749942	AGACCCTGGTCTGCACTCTAT	47045	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019855	X_-_137749923_137749942	AGACCCTGGTCTGCACTCTA	47046	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019856	X_-_137749924_137749942	AGACCCTGGTCTGCACTCT	47047	hsa-miR-504-5p;Derives_from=MI0003189
NovelMiR_KnownLoci_ID0019857	X_-_139006313_139006340	CGTCAACACTTGCTGGTTTCCTCT CTGG	47048	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019858	X_-_139006315_139006340	CGTCAACACTTGCTGGTTTCCTCT CT	47049	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019859	X_-_139006316_139006338	TCAACACTTGCTGGTTTCCTCTC	47050	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019860	X_-_139006316_139006339	GTCAACACTTGCTGGTTTCCTCTC	47051	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019861	X_-_139006316_139006340	CGTCAACACTTGCTGGTTTCCTCT C	47052	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019862	X_-_139006317_139006338	TCAACACTTGCTGGTTTCCTCT	47053	hsa-miR-505-3p;Derives_from=MI0003190

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019863	X_-_139006317_139006339	GTCAACACTTGCTGGTTTCCTCT	47054	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019864	X_-_139006317_139006340	CGTCAACACTTGCTGGTTTCCTCT	47055	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019865	X_-_139006318_139006340	CGTCAACACTTGCTGGTTTCCTC	47056	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019866	X_-_139006319_139006339	GTCAACACTTGCTGGTTTCCT	47057	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019867	X_-_139006320_139006339	GTCAACACTTGCTGGTTTCC	47058	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019868	X_-_139006320_139006340	CGTCAACACTTGCTGGTTTCC	47059	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019869	X_-_139006322_139006340	CGTCAACACTTGCTGGTTT	47060	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019870	X_-_139006323_139006340	CGTCAACACTTGCTGGTT	47061	hsa-miR-505-3p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019871	X_-_139006349_139006376	CGGAGCCAGGAAGTATTGATGTTT CTGC	47062	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019872	X_-_139006350_139006376	GGGAGCCAGGAAGTATTGATGTTT CTG	47063	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019873	X_-_139006352_139006376	GGGAGCCAGGAAGTATTGATGTTT C	47064	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019874	X_-_139006353_139006375	GGAGCCAGGAAGTATTGATGTTT	47065	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019875	X_-_139006353_139006376	GGGAGCCAGGAAGTATTGATGTTT	47066	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019876	X_-_139006354_139006376	GGGAGCCAGGAAGTATTGATGTT	47067	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019877	X_-_139006355_139006374	GAGCCAGGAAGTATTGATGT	47068	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019878	X_-_139006356_139006376	GGGAGCCAGGAAGTATTGATG	47069	hsa-miR-505-5p;Derives_from=MI0003190

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019879	X_-_139006357_139006376	GGGAGCCAGGAAGTATTGAT	47070	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019880	X_-_139006358_139006376	GGGAGCCAGGAAGTATTGA	47071	hsa-miR-505-5p;Derives_from=MI0003190
NovelMiR_KnownLoci_ID0019881	X_-_140008332_140008355	AAAAGCTGGGTTGAGAGGAGCAGA	47072	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019882	X_-_140008333_140008355	AAAAGCTGGGTTGAGAGGAGCAG	47073	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019883	X_-_140008334_140008354	AAAGCTGGGTTGAGAGGAGCA	47074	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019884	X_-_140008334_140008355	AAAAGCTGGGTTGAGAGGAGCA	47075	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019885	X_-_140008334_140008356	GAAAAGCTGGGTTGAGAGGAGCA	47076	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019886	X_-_140008335_140008354	AAAGCTGGGTTGAGAGGAGC	47077	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019887	X_-_140008335_140008355	AAAAGCTGGGTTGAGAGGAGC	47078	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019888	X_-_140008335_140008356	GAAAAGCTGGGTTGAGAGGAGC	47079	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019889	X_-_140008336_140008354	AAAGCTGGGTTGAGAGGAG	47080	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019890	X_-_140008336_140008355	AAAAGCTGGGTTGAGAGGAG	47081	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019891	X_-_140008336_140008356	GAAAAGCTGGGTTGAGAGGAG	47082	hsa-miR-320d;Derives_from=MI0008192
NovelMiR_KnownLoci_ID0019892	X_-_145075836_145075859	TACTTGGAAAGGCATCAGTTGCTT	47083	hsa-miR-890;Derives_from=MI0005533
NovelMiR_KnownLoci_ID0019893	X_-_145075837_145075859	TACTTGGAAAGGCATCAGTTGCT	47084	hsa-miR-890;Derives_from=MI0005533
NovelMiR_KnownLoci_ID0019894	X_-_145075838_145075859	TACTTGGAAAGGCATCAGTTGC	47085	hsa-miR-890;Derives_from=MI0005533

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019895	X_-_145076311_145076333	GACTGACACCTCTTTGGGTGAAG	47086	hsa-miR-888-3p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019896	X_-_145076315_145076334	TGACTGACACCTCTTTGGGT	47087	hsa-miR-888-3p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019897	X_-_145076344_145076368	TACTCAAAAAGCTGTCAGTCACTTA	47088	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019898	X_-_145076346_145076368	TACTCAAAAAGCTGTCAGTCACT	47089	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019899	X_-_145076347_145076368	TACTCAAAAAGCTGTCAGTCAC	47090	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019900	X_-_145076349_145076368	TACTCAAAAAGCTGTCAGTC	47091	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019901	X_-_145076350_145076368	TACTCAAAAAGCTGTCAGT	47092	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019902	X_-_145076351_145076368	TACTCAAAAAGCTGTCAG	47093	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019903	X_-_145076352_145076368	TACTCAAAAAGCTGTCA	47094	hsa-miR-888-5p;Derives_from=MI0005537
NovelMiR_KnownLoci_ID0019904	X_-_145078194_145078217	CACTGTGTCCTTTCTGCGTAGAGT	47095	hsa-miR-892a;Derives_from=MI0005528
NovelMiR_KnownLoci_ID0019905	X_-_145078195_145078217	CACTGTGTCCTTTCTGCGTAGAG	47096	hsa-miR-892a;Derives_from=MI0005528
NovelMiR_KnownLoci_ID0019906	X_-_145078196_145078217	CACTGTGTCCTTTCTGCGTAGA	47097	hsa-miR-892a;Derives_from=MI0005528
NovelMiR_KnownLoci_ID0019907	X_-_145078198_145078217	CACTGTGTCCTTTCTGCGTA	47098	hsa-miR-892a;Derives_from=MI0005528
NovelMiR_KnownLoci_ID0019908	X_-_145078724_145078747	CACTGGCTCCTTTCTGGGTAGAGC	47099	hsa-miR-892b;Derives_from=MI0005538
NovelMiR_KnownLoci_ID0019909	X_-_145078724_145078748	TCACTGGCTCCTTTCTGGGTAGAGC	47100	hsa-miR-892b;Derives_from=MI0005538
NovelMiR_KnownLoci_ID0019910	X_-_145078726_145078745	CTGGCTCCTTTCTGGGTAGA	47101	hsa-miR-892b;Derives_from=MI0005538

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019911	X_-_145078726_145078748	TCACTGGCTCCTTTCTGGGTAGA	47102	hsa-miR-892b;Derives_from=MI0005538
NovelMiR_KnownLoci_ID0019912	X_-_145078727_145078747	CACTGGCTCCTTTCTGGGTAG	47103	hsa-miR-892b;Derives_from=MI0005538
NovelMiR_KnownLoci_ID0019913	X_-_145078727_145078748	TCACTGGCTCCTTTCTGGGTAG	47104	hsa-miR-892b;Derives_from=MI0005538
NovelMiR_KnownLoci_ID0019914	X_-_145082615_145082639	TGCAACTTACCTGAGTCATTGATTC	47105	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019915	X_-_145082616_145082639	TGCAACTTACCTGAGTCATTGATT	47106	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019916	X_-_145082617_145082638	GCAACTTACCTGAGTCATTGAT	47107	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019917	X_-_145082618_145082637	CAACTTACCTGAGTCATTGA	47108	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019918	X_-_145082618_145082638	GCAACTTACCTGAGTCATTGA	47109	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019919	X_-_145082619_145082639	TGCAACTTACCTGAGTCATTG	47110	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019920	X_-_145082620_145082639	TGCAACTTACCTGAGTCATT	47111	hsa-miR-891b;Derives_from=MI0005534
NovelMiR_KnownLoci_ID0019921	X_-_145109321_145109343	AGTGGCACATGTTTGTTGTGAGG	47112	hsa-miR-891a-3p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019922	X_-_145109322_145109341	TGGCACATGTTTGTTGTGAG	47113	hsa-miR-891a-3p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019923	X_-_145109356_145109380	TGCAACGAACCTGAGCCACTGATTC	47114	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019924	X_-_145109356_145109381	TTGCAACGAACCTGAGCCACTGATTC	47115	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019925	X_-_145109357_145109380	TGCAACGAACCTGAGCCACTGATT	47116	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019926	X_-_145109358_145109380	TGCAACGAACCTGAGCCACTGAT	47117	hsa-miR-891a-5p;Derives_from=MI0005524

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019927	X_-_145109359_145109379	GCAACGAACCTGAGCCACTGA	47118	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019928	X_-_145109360_145109380	TGCAACGAACCTGAGCCACTG	47119	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019929	X_-_145109361_145109380	TGCAACGAACCTGAGCCACT	47120	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019930	X_-_145109364_145109380	TGCAACGAACCTGAGCC	47121	hsa-miR-891a-5p;Derives_from=MI0005524
NovelMiR_KnownLoci_ID0019931	X_-_146271234_146271256	AAATTTCACCTTTCTGAGAAGAG	47122	hsa-miR-513c-3p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019932	X_-_146271234_146271257	TAAATTTCACCTTTCTGAGAAGAG	47123	hsa-miR-513c-3p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019933	X_-_146271235_146271256	AAATTTCACCTTTCTGAGAAGA	47124	hsa-miR-513c-3p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019934	X_-_146271265_146271292	TTCTCAAGGAGGTGTCGTTTATGT GAAC	47125	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019935	X_-_146271268_146271292	TTCTCAAGGAGGTGTCGTTTATGT G	47126	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019936	X_-_146271269_146271292	TTCTCAAGGAGGTGTCGTTTATGT	47127	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019937	X_-_146271270_146271292	TTCTCAAGGAGGTGTCGTTTATG	47128	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019938	X_-_146271272_146271292	TTCTCAAGGAGGTGTCGTTTA	47129	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019939	X_-_146271273_146271292	TTCTCAAGGAGGTGTCGTTT	47130	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019940	X_-_146271274_146271292	TTCTCAAGGAGGTGTCGTT	47131	hsa-miR-513c-5p;Derives_from=MI0006649
NovelMiR_KnownLoci_ID0019941	X_-_146280573_146280597	TAAATGTCACCTTTTTGAGAGGAG T	47132	hsa-miR-513b-3p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019942	X_-_146280575_146280597	TAAATGTCACCTTTTTGAGAGGA	47133	hsa-miR-513b-3p;Derives_from=MI0006648

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019943	X_-_146280576_146280597	TAAATGTCACCTTTTTGAGAGG	47134	hsa-miR-513b-3p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019944	X_-_146280577_146280596	AAATGTCACCTTTTTGAGAG	47135	hsa-miR-513b-3p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019945	X_-_146280608_146280632	TTCACAAGGAGGTGTCATTTATGT G	47136	hsa-miR-513b-5p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019946	X_-_146280609_146280632	TTCACAAGGAGGTGTCATTTATGT	47137	hsa-miR-513b-5p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019947	X_-_146280610_146280632	TTCACAAGGAGGTGTCATTTATG	47138	hsa-miR-513b-5p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019948	X_-_146280612_146280632	TTCACAAGGAGGTGTCATTTA	47139	hsa-miR-513b-5p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019949	X_-_146280613_146280632	TTCACAAGGAGGTGTCATTT	47140	hsa-miR-513b-5p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019950	X_-_146280614_146280632	TTCACAAGGAGGTGTCATT	47141	hsa-miR-513b-5p;Derives_from=MI0006648
NovelMiR_KnownLoci_ID0019951	X_-_146312269_146312292	GTAAGGCACCCTTCTGAGTAGAGT	47142	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019952	X_-_146312269_146312293	TGTAAGGCACCCTTCTGAGTAGAG T	47143	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019953	X_-_146312270_146312292	GTAAGGCACCCTTCTGAGTAGAG	47144	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019954	X_-_146312270_146312293	TGTAAGGCACCCTTCTGAGTAGAG	47145	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019955	X_-_146312271_146312292	GTAAGGCACCCTTCTGAGTAGA	47146	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019956	X_-_146312271_146312293	TGTAAGGCACCCTTCTGAGTAGA	47147	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019957	X_-_146312272_146312292	GTAAGGCACCCTTCTGAGTAG	47148	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019958	X_-_146312272_146312293	TGTAAGGCACCCTTCTGAGTAG	47149	hsa-miR-506-3p;Derives_from=MI0003193

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019959	X_-_146312273_146312292	GTAAGGCACCCTTCTGAGTA	47150	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019960	X_-_146312274_146312292	GTAAGGCACCCTTCTGAGT	47151	hsa-miR-506-3p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019961	X_-_146312302_146312327	TATTCAGGAAGGTGTTACTTAATAGA	47152	hsa-miR-506-5p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019962	X_-_146312304_146312327	TATTCAGGAAGGTGTTACTTAATA	47153	hsa-miR-506-5p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019963	X_-_146312307_146312327	TATTCAGGAAGGTGTTACTTA	47154	hsa-miR-506-5p;Derives_from=MI0003193
NovelMiR_KnownLoci_ID0019964	X_-_146312517_146312540	TTTTGCACCTTTTGGAGTGAAATA	47155	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019965	X_-_146312517_146312541	GTTTTGCACCTTTTGGAGTGAAATA	47156	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019966	X_-_146312517_146312542	TGTTTTGCACCTTTTGGAGTGAAATA	47157	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019967	X_-_146312518_146312540	TTTTGCACCTTTTGGAGTGAAAT	47158	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019968	X_-_146312521_146312540	TTTTGCACCTTTTGGAGTGA	47159	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019969	X_-_146312521_146312542	TGTTTTGCACCTTTTGGAGTGA	47160	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019970	X_-_146312522_146312539	TTTGCACCTTTTGGAGTG	47161	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019971	X_-_146312522_146312540	TTTTGCACCTTTTGGAGTG	47162	hsa-miR-507;Derives_from=MI0003194
NovelMiR_KnownLoci_ID0019972	X_-_146318460_146318485	TGATTGTAGCCTTTTGGAGTAGAGTA	47163	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019973	X_-_146318461_146318485	TGATTGTAGCCTTTTGGAGTAGAGT	47164	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019974	X_-_146318462_146318483	ATTGTAGCCTTTTGGAGTAGAG	47165	hsa-miR-508-3p;Derives_from=MI0003195

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019975	X_-_146318462_146318485	TGATTGTAGCCTTTTGGAGTAGAG	47166	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019976	X_-_146318463_146318481	TGTAGCCTTTTGGAGTAGA	47167	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019977	X_-_146318463_146318483	ATTGTAGCCTTTTGGAGTAGA	47168	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019978	X_-_146318463_146318484	GATTGTAGCCTTTTGGAGTAGA	47169	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019979	X_-_146318464_146318485	TGATTGTAGCCTTTTGGAGTAG	47170	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019980	X_-_146318465_146318485	TGATTGTAGCCTTTTGGAGTA	47171	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019981	X_-_146318466_146318484	GATTGTAGCCTTTTGGAGT	47172	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019982	X_-_146318466_146318485	TGATTGTAGCCTTTTGGAGT	47173	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019983	X_-_146318467_146318485	TGATTGTAGCCTTTTGGAG	47174	hsa-miR-508-3p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019984	X_-_146318495_146318520	TACTCCAGAGGGCGTCACTCATGTAA	47175	hsa-miR-508-5p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019985	X_-_146318497_146318520	TACTCCAGAGGGCGTCACTCATGT	47176	hsa-miR-508-5p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019986	X_-_146318499_146318519	ACTCCAGAGGGCGTCACTCAT	47177	hsa-miR-508-5p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019987	X_-_146318499_146318520	TACTCCAGAGGGCGTCACTCAT	47178	hsa-miR-508-5p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019988	X_-_146318500_146318520	TACTCCAGAGGGCGTCACTCA	47179	hsa-miR-508-5p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019989	X_-_146318501_146318520	TACTCCAGAGGGCGTCACTC	47180	hsa-miR-508-5p;Derives_from=MI0003195
NovelMiR_KnownLoci_ID0019990	X_-_146318502_146318520	TACTCCAGAGGGCGTCACT	47181	hsa-miR-508-5p;Derives_from=MI0003195

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0019991	X_-_146331677_146331699	ATTGACACCTCTGTGAGTGGAGT	47182	hsa-miR-514b-3p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019992	X_-_146331678_146331699	ATTGACACCTCTGTGAGTGGAG	47183	hsa-miR-514b-3p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019993	X_-_146331680_146331699	ATTGACACCTCTGTGAGTGG	47184	hsa-miR-514b-3p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019994	X_-_146331681_146331699	ATTGACACCTCTGTGAGTG	47185	hsa-miR-514b-3p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019995	X_-_146331682_146331699	ATTGACACCTCTGTGAGT	47186	hsa-miR-514b-3p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019996	X_-_146331714_146331736	TTCTCAAGAGGGAGGCAATCATG	47187	hsa-miR-514b-5p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019997	X_-_146331716_146331736	TTCTCAAGAGGGAGGCAATCA	47188	hsa-miR-514b-5p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019998	X_-_146331717_146331736	TTCTCAAGAGGGAGGCAATC	47189	hsa-miR-514b-5p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0019999	X_-_146331718_146331736	TTCTCAAGAGGGAGGCAAT	47190	hsa-miR-514b-5p;Derives_from=MI0014251
NovelMiR_KnownLoci_ID0020000	X_-_146341209_146341235	TACTGCAGACGTGGCAATCATGTA TAA	47191	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020001	X_-_146341210_146341235	TACTGCAGACGTGGCAATCATGTA TA	47192	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020002	X_-_146341211_146341235	TACTGCAGACGTGGCAATCATGTA T	47193	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020003	X_-_146341213_146341234	ACTGCAGACGTGGCAATCATGT	47194	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020004	X_-_146341213_146341235	TACTGCAGACGTGGCAATCATGT	47195	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020005	X_-_146341215_146341235	TACTGCAGACGTGGCAATCAT	47196	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020006	X_-_146341216_146341235	TACTGCAGACGTGGCAATCA	47197	hsa-miR-509-3-5p;Derives_from=MI0005717

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020007	X_-_146341216_146341238	CCCTACTGCAGACGTGGCAATCA	47198	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020008	X_-_146341217_146341235	TACTGCAGACGTGGCAATC	47199	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020009	X_-_146341218_146341235	TACTGCAGACGTGGCAAT	47200	hsa-miR-509-3-5p;Derives_from=MI0005717
NovelMiR_KnownLoci_ID0020010	X_-_146353860_146353877	GAAACCTCTAAGAGTGGA	47201	hsa-miR-510-3p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020011	X_-_146353862_146353882	TGATTGAAACCTCTAAGAGTG	47202	hsa-miR-510-3p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020012	X_-_146353864_146353882	TGATTGAAACCTCTAAGAG	47203	hsa-miR-510-3p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020013	X_-_146353865_146353882	TGATTGAAACCTCTAAGA	47204	hsa-miR-510-3p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020014	X_-_146353893_146353913	CAGGAGAGTGGCAATCACATG	47205	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020015	X_-_146353893_146353917	TACTCAGGAGAGTGGCAATCACATG	47206	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020016	X_-_146353894_146353917	TACTCAGGAGAGTGGCAATCACAT	47207	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020017	X_-_146353895_146353916	ACTCAGGAGAGTGGCAATCACA	47208	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020018	X_-_146353895_146353917	TACTCAGGAGAGTGGCAATCACA	47209	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020019	X_-_146353897_146353917	TACTCAGGAGAGTGGCAATCA	47210	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020020	X_-_146353900_146353917	TACTCAGGAGAGTGGCAA	47211	hsa-miR-510-5p;Derives_from=MI0003197
NovelMiR_KnownLoci_ID0020021	X_+_149396251_149396269	TAGTCCCTTCCTTGAAGCG	47212	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020022	X_+_149396251_149396270	TAGTCCCTTCCTTGAAGCGG	47213	hsa-miR-2114-5p;Derives_from=MI0010633

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020023	X_+_149396251_149396271	TAGTCCCTTCCTTGAAGCGGT	47214	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020024	X_+_149396251_149396273	TAGTCCCTTCCTTGAAGCGGTCG	47215	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020025	X_+_149396252_149396268	AGTCCCTTCCTTGAAGC	47216	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020026	X_+_149396252_149396271	AGTCCCTTCCTTGAAGCGGT	47217	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020027	X_+_149396252_149396272	AGTCCCTTCCTTGAAGCGGTC	47218	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020028	X_+_149396252_149396273	AGTCCCTTCCTTGAAGCGGTCG	47219	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020029	X_+_149396254_149396269	TCCCTTCCTTGAAGCG	47220	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020030	X_+_149396254_149396270	TCCCTTCCTTGAAGCGG	47221	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020031	X_+_149396254_149396272	TCCCTTCCTTGAAGCGGTC	47222	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020032	X_+_149396254_149396275	TCCCTTCCTTGAAGCGGTCGGA	47223	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020033	X_+_149396254_149396277	TCCCTTCCTTGAAGCGGTCGGATA	47224	hsa-miR-2114-5p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020034	X_+_149396281_149396299	ACATGACGAGCCTCAAGCA	47225	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020035	X_+_149396286_149396304	ACGAGCCTCAAGCAAGGGA	47226	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020036	X_+_149396286_149396305	ACGAGCCTCAAGCAAGGGAC	47227	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020037	X_+_149396286_149396307	ACGAGCCTCAAGCAAGGGACTT	47228	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020038	X_+_149396286_149396308	ACGAGCCTCAAGCAAGGGACTTC	47229	hsa-miR-2114-3p;Derives_from=MI0010633

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020039	X_+_149396286_149396309	ACGAGCCTCAAGCAAGGGACTTCA	47230	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020040	X_+_149396287_149396302	CGAGCCTCAAGCAAGG	47231	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020041	X_+_149396287_149396305	CGAGCCTCAAGCAAGGGAC	47232	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020042	X_+_149396287_149396306	CGAGCCTCAAGCAAGGGACT	47233	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020043	X_+_149396287_149396308	CGAGCCTCAAGCAAGGGACTTC	47234	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020044	X_+_149396287_149396309	CGAGCCTCAAGCAAGGGACTTCA	47235	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020045	X_+_149396287_149396310	CGAGCCTCAAGCAAGGGACTTCAA	47236	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020046	X_+_149396287_149396311	CGAGCCTCAAGCAAGGGACTTCAAG	47237	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020047	X_+_149396287_149396312	CGAGCCTCAAGCAAGGGACTTCAAGC	47238	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020048	X_+_149396289_149396306	AGCCTCAAGCAAGGGACT	47239	hsa-miR-2114-3p;Derives_from=MI0010633
NovelMiR_KnownLoci_ID0020049	X_+_150336765_150336782	CTGCTCCTCAGATCAGAG	47240	hsa-miR-4330;Derives_from=MI0015902
NovelMiR_KnownLoci_ID0020050	X_+_150336765_150336783	CTGCTCCTCAGATCAGAGC	47241	hsa-miR-4330;Derives_from=MI0015902
NovelMiR_KnownLoci_ID0020051	X_+_150336765_150336784	CTGCTCCTCAGATCAGAGCC	47242	hsa-miR-4330;Derives_from=MI0015902
NovelMiR_KnownLoci_ID0020052	X_+_150336765_150336785	CTGCTCCTCAGATCAGAGCCT	47243	hsa-miR-4330;Derives_from=MI0015902
NovelMiR_KnownLoci_ID0020053	X_+_150336765_150336787	CTGCTCCTCAGATCAGAGCCTTG	47244	hsa-miR-4330;Derives_from=MI0015902
NovelMiR_KnownLoci_ID0020054	X_+_150336765_150336788	CTGCTCCTCAGATCAGAGCCTTGC	47245	hsa-miR-4330;Derives_from=MI0015902

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020055	X_-_151127052_151127076	AATGGTGCCCTAGTGACTACAAAG C	47246	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020056	X_-_151127052_151127077	AAATGGTGCCCTAGTGACTACAAA GC	47247	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020057	X_-_151127054_151127077	AAATGGTGCCCTAGTGACTACAAA	47248	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020058	X_-_151127055_151127075	ATGGTGCCCTAGTGACTACAA	47249	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020059	X_-_151127055_151127076	AATGGTGCCCTAGTGACTACAA	47250	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020060	X_-_151127055_151127077	AAATGGTGCCCTAGTGACTACAA	47251	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020061	X_-_151127056_151127076	AATGGTGCCCTAGTGACTACA	47252	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020062	X_-_151127056_151127077	AAATGGTGCCCTAGTGACTACA	47253	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020063	X_-_151127057_151127077	AAATGGTGCCCTAGTGACTAC	47254	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020064	X_-_151127057_151127078	AAAATGGTGCCCTAGTGACTAC	47255	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020065	X_-_151127058_151127076	AATGGTGCCCTAGTGACTA	47256	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020066	X_-_151127058_151127077	AAATGGTGCCCTAGTGACTA	47257	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020067	X_-_151127058_151127078	AAAATGGTGCCCTAGTGACTA	47258	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020068	X_-_151127059_151127077	AAATGGTGCCCTAGTGACT	47259	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020069	X_-_151127059_151127078	AAAATGGTGCCCTAGTGACT	47260	hsa-miR-224-3p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020070	X_-_151127098_151127123	CAAGTCACTAGTGGTTCCGTTTAG TA	47261	hsa-miR-224-5p;Derives_from=MI0000301

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020071	X_-_151127099_151127123	CAAGTCACTAGTGGTTCCGTTTAGT	47262	hsa-miR-224-5p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020072	X_-_151127100_151127123	CAAGTCACTAGTGGTTCCGTTTAG	47263	hsa-miR-224-5p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020073	X_-_151127101_151127123	CAAGTCACTAGTGGTTCCGTTTA	47264	hsa-miR-224-5p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020074	X_-_151127102_151127123	CAAGTCACTAGTGGTTCCGTTT	47265	hsa-miR-224-5p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020075	X_-_151127105_151127123	CAAGTCACTAGTGGTTCCG	47266	hsa-miR-224-5p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020076	X_-_151127107_151127123	CAAGTCACTAGTGGTTC	47267	hsa-miR-224-5p;Derives_from=MI0000301
NovelMiR_KnownLoci_ID0020077	X_-_151128108_151128130	AGTCTCATCTGCAAAGAAGTAAG	47268	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020078	X_-_151128108_151128132	TCAGTCTCATCTGCAAAGAAGTAAG	47269	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020079	X_-_151128109_151128132	TCAGTCTCATCTGCAAAGAAGTAA	47270	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020080	X_-_151128110_151128132	TCAGTCTCATCTGCAAAGAAGTA	47271	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020081	X_-_151128110_151128133	CTCAGTCTCATCTGCAAAGAAGTA	47272	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020082	X_-_151128111_151128131	CAGTCTCATCTGCAAAGAAGT	47273	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020083	X_-_151128111_151128132	TCAGTCTCATCTGCAAAGAAGT	47274	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020084	X_-_151128111_151128133	CTCAGTCTCATCTGCAAAGAAGT	47275	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020085	X_-_151128112_151128132	TCAGTCTCATCTGCAAAGAAG	47276	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020086	X_-_151128112_151128133	CTCAGTCTCATCTGCAAAGAAG	47277	hsa-miR-452-3p;Derives_from=MI0001733

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020087	X_-_151128113_151128132	TCAGTCTCATCTGCAAAGAA	47278	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020088	X_-_151128113_151128133	CTCAGTCTCATCTGCAAAGAA	47279	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020089	X_-_151128114_151128133	CTCAGTCTCATCTGCAAAGA	47280	hsa-miR-452-3p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020090	X_-_151128144_151128168	TGTTTGCAGAGGAAACTGAGACTT	47281	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020091	X_-_151128145_151128168	TGTTTGCAGAGGAAACTGAGACTT	47282	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020092	X_-_151128146_151128166	TTTGCAGAGGAAACTGAGACT	47283	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020093	X_-_151128147_151128168	TGTTTGCAGAGGAAACTGAGAC	47284	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020094	X_-_151128147_151128171	AACTGTTTGCAGAGGAAACTGAGA	47285	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020095	X_-_151128148_151128168	TGTTTGCAGAGGAAACTGAGA	47286	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020096	X_-_151128148_151128171	AACTGTTTGCAGAGGAAACTGAGA	47287	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020097	X_-_151128149_151128168	TGTTTGCAGAGGAAACTGAG	47288	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020098	X_-_151128149_151128171	AACTGTTTGCAGAGGAAACTGAG	47289	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020099	X_-_151128151_151128171	AACTGTTTGCAGAGGAAACTG	47290	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020100	X_-_151128152_151128171	AACTGTTTGCAGAGGAAACT	47291	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020101	X_-_151128153_151128171	AACTGTTTGCAGAGGAAAC	47292	hsa-miR-452-5p;Derives_from=MI0001733
NovelMiR_KnownLoci_ID0020102	X_-_151128154_151128171	AACTGTTTGCAGAGGAAA	47293	hsa-miR-452-5p;Derives_from=MI0001733

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020103	X_-_151560696_151560711	GAGCATGTGCTACGGT	47294	hsa-miR-105-3p;Derives_from=MI0000111
NovelMiR_KnownLoci_ID0020104	X_-_151561918_151561939	TGCTCATACCCCATGGTTTCTG	47295	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020105	X_-_151561918_151561940	CTGCTCATACCCCATGGTTTCTG	47296	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020106	X_-_151561919_151561939	TGCTCATACCCCATGGTTTCT	47297	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020107	X_-_151561919_151561940	CTGCTCATACCCCATGGTTTCT	47298	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020108	X_-_151561920_151561940	CTGCTCATACCCCATGGTTTC	47299	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020109	X_-_151561920_151561941	TCTGCTCATACCCCATGGTTTC	47300	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020110	X_-_151561921_151561940	CTGCTCATACCCCATGGTTT	47301	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020111	X_-_151561921_151561941	TCTGCTCATACCCCATGGTTT	47302	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020112	X_-_151561922_151561941	TCTGCTCATACCCCATGGTT	47303	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020113	X_-_151561924_151561941	TCTGCTCATACCCCATGG	47304	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020114	X_-_151561925_151561940	CTGCTCATACCCCATG	47305	hsa-miR-767-3p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020115	X_-_151561947_151561963	GTCTGAGCATGCAGCAT	47306	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020116	X_-_151561949_151561975	TGCACCATGGTTGTCTGAGCATGCAGC	47307	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020117	X_-_151561951_151561975	TGCACCATGGTTGTCTGAGCATGCA	47308	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020118	X_-_151561952_151561975	TGCACCATGGTTGTCTGAGCATGC	47309	hsa-miR-767-5p;Derives_from=MI0003763

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020119	X_-_151561954_151561975	TGCACCATGGTTGTCTGAGCAT	47310	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020120	X_-_151561955_151561975	TGCACCATGGTTGTCTGAGCA	47311	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020121	X_-_151561956_151561975	TGCACCATGGTTGTCTGAGC	47312	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020122	X_-_151561957_151561975	TGCACCATGGTTGTCTGAG	47313	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020123	X_-_151561959_151561975	TGCACCATGGTTGTCTG	47314	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020124	X_-_151561962_151561981	TGCTCATGCACCATGGTTGT	47315	hsa-miR-767-5p;Derives_from=MI0003763
NovelMiR_KnownLoci_ID0020125	X_-_151562889_151562916	CCACGGATGTTTGAGCATGTGCTATGGT	47316	hsa-miR-105-3p;Derives_from=MI0000112
NovelMiR_KnownLoci_ID0020126	X_-_151562892_151562914	ACGGATGTTTGAGCATGTGCTAT	47317	hsa-miR-105-3p;Derives_from=MI0000112
NovelMiR_KnownLoci_ID0020127	X_+_153246556_153246579	TGGAAGGGAGAAGAGCTTTAATGA	47318	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020128	X_+_153246558_153246579	GAAGGGAGAAGAGCTTTAATGA	47319	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020129	X_+_153246558_153246580	GAAGGGAGAAGAGCTTTAATGAT	47320	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020130	X_+_153246559_153246579	AAGGGAGAAGAGCTTTAATGA	47321	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020131	X_+_153246559_153246580	AAGGGAGAAGAGCTTTAATGAT	47322	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020132	X_+_153246559_153246581	AAGGGAGAAGAGCTTTAATGATT	47323	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020133	X_+_153246560_153246579	AGGGAGAAGAGCTTTAATGA	47324	hsa-miR-3202;Derives_from=MI0014252
NovelMiR_KnownLoci_ID0020134	X_+_153246560_153246580	AGGGAGAAGAGCTTTAATGAT	47325	hsa-miR-3202;Derives_from=MI0014252

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020135	X_-_153246595_153246617	AAGGGAGAAGAGCTTTAATGCTC	47326	hsa-miR-3202;Derives_from=MI0014253
NovelMiR_KnownLoci_ID0020136	X_-_153246596_153246616	AGGGAGAAGAGCTTTAATGCT	47327	hsa-miR-3202;Derives_from=MI0014253
NovelMiR_KnownLoci_ID0020137	X_-_153246596_153246617	AAGGGAGAAGAGCTTTAATGCT	47328	hsa-miR-3202;Derives_from=MI0014253
NovelMiR_KnownLoci_ID0020138	X_-_153246597_153246616	AGGGAGAAGAGCTTTAATGC	47329	hsa-miR-3202;Derives_from=MI0014253
NovelMiR_KnownLoci_ID0020139	X_-_153246597_153246617	AAGGGAGAAGAGCTTTAATGC	47330	hsa-miR-3202;Derives_from=MI0014253
NovelMiR_KnownLoci_ID0020140	X_-_153246597_153246618	GAAGGGAGAAGAGCTTTAATGC	47331	hsa-miR-3202;Derives_from=MI0014253
NovelMiR_KnownLoci_ID0020141	X_-_153285382_153285405	CCGCCCCTTCCGCCCCGCCGGGCG	47332	hsa-miR-718;Derives_from=MI0012489
NovelMiR_KnownLoci_ID0020142	X_-_153285383_153285398	TTCCGCCCCGCCGGGC	47333	hsa-miR-718;Derives_from=MI0012489
NovelMiR_KnownLoci_ID0020143	X_-_153285388_153285405	CCGCCCCTTCCGCCCCGC	47334	hsa-miR-718;Derives_from=MI0012489
NovelMiR_KnownLoci_ID0020144	X_+_153678668_153678685	GTGAGGAGGGGCTGGCAG	47335	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020145	X_+_153678668_153678686	GTGAGGAGCGGCTGGCAGG	47336	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020146	X_+_153678668_153678687	GTGAGGAGGGGCTGGCAGGG	47337	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020147	X_+_153678668_153678688	GTGAGGAGGGGCTGGCAGGGA	47338	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020148	X_+_153678668_153678690	GTGAGGAGGGGCTGGCAGGGACC	47339	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020149	X_+_153678668_153678691	GTGAGGAGGGGCTGGCAGGGACCC	47340	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020150	X_+_153678668_153678692	GTGAGGAGGGGCTGGCAGGGACCCC	47341	hsa-miR-6858-5p;Derives_from=MI0022704

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020151	X_+_153678669_153678687	TGAGGAGGGGCTGGCAGGG	47342	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020152	X_+_153678669_153678688	TGAGGAGGGGCTGGCAGGGA	47343	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020153	X_+_153678669_153678689	TGAGGAGGGGCTGGCAGGGAC	47344	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020154	X_+_153678669_153678690	TGAGGAGGGGCTGGCAGGGACC	47345	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020155	X_+_153678669_153678694	TGAGGAGGGGCTGGCAGGGACCCCTC	47346	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020156	X_+_153678669_153678695	TGAGGAGGGGCTGGCAGGGACCCCTCC	47347	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020157	X_+_153678671_153678690	AGGAGGGGCTGGCAGGGACC	47348	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020158	X_+_153678671_153678691	AGGAGGGGCTGGCAGGGACCC	47349	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020159	X_+_153678671_153678692	AGGAGGGGCTGGCAGGGACCCC	47350	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020160	X_+_153678680_153678695	TGGCAGGGACCCCTCC	47351	hsa-miR-6858-5p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020161	X_+_153678703_153678718	GGACGGCAGCCAGCCC	47352	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020162	X_+_153678703_153678719	GGACGGCAGCCAGCCCC	47353	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020163	X_+_153678703_153678720	GGACGGCAGCCAGCCCCT	47354	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020164	X_+_153678703_153678721	GGACGGCAGCCAGCCCCTG	47355	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020165	X_+_153678703_153678727	GGACGGCAGCCAGCCCCTGCTCAC	47356	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020166	X_+_153678703_153678730	GGACGGCAGCCAGCCCCTGCTCACCCCT	47357	hsa-miR-6858-3p;Derives_from=MI0022704

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020167	X_+_153678705_153678721	ACGGCAGCCAGCCCCTG	47358	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020168	X_+_153678705_153678727	ACGGCAGCCAGCCCCTGCTCACC	47359	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020169	X_+_153678705_153678728	ACGGCAGCCAGCCCCTGCTCACCC	47360	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020170	X_+_153678706_153678728	CGGCAGCCAGCCCCTGCTCACCC	47361	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020171	X_+_153678707_153678729	GGCAGCCAGCCCCTGCTCACCCC	47362	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020172	X_+_153678707_153678730	GGCAGCCAGCCCCTGCTCACCCCT	47363	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020173	X_+_153678708_153678729	GCAGCCAGCCCCTGCTCACCCC	47364	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020174	X_+_153678709_153678726	CAGCCAGCCCCTGCTCAC	47365	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020175	X_+_153678709_153678727	CAGCCAGCCCCTGCTCACC	47366	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020176	X_+_153678709_153678728	CAGCCAGCCCCTGCTCACCC	47367	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020177	X_+_153678709_153678729	CAGCCAGCCCCTGCTCACCCC	47368	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020178	X_+_153678709_153678731	CAGCCAGCCCCTGCTCACCCCTC	47369	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020179	X_+_153678709_153678732	CAGCCAGCCCCTGCTCACCCCTCG	47370	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020180	X_+_153678710_153678731	AGCCAGCCCCTGCTCACCCCTC	47371	hsa-miR-6858-3p;Derives_from=MI0022704
NovelMiR_KnownLoci_ID0020181	X_+_153996865_153996880	TTAAAATGGGCTAAGG	47372	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020182	X_+_153996865_153996881	TTAAAATGGGCTAAGGG	47373	hsa-miR-664b-5p;Derives_from=MI0019134

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020183	X_+_153996865_153996882	TTAAAATGGGCTAAGGGA	47374	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020184	X_+_153996865_153996883	TTAAAATGGGCTAAGGGAG	47375	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020185	X_+_153996865_153996884	TTAAAATGGGCTAAGGGAGA	47376	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020186	X_+_153996865_153996886	TTAAAATGGGCTAAGGGAGATG	47377	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020187	X_+_153996865_153996887	TTAAAATGGGCTAAGGGAGATGA	47378	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020188	X_+_153996865_153996888	TTAAAATGGGCTAAGGGAGATGAT	47379	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020189	X_+_153996865_153996889	TTAAAATGGGCTAAGGGAGATGATT	47380	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020190	X_+_153996866_153996889	TAAAATGGGCTAAGGGAGATGATT	47381	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020191	X_+_153996869_153996889	AATGGGCTAAGGGAGATGATT	47382	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020192	X_+_153996870_153996889	ATGGGCTAAGGGAGATGATT	47383	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020193	X_+_153996870_153996890	ATGGGCTAAGGGAGATGATTG	47384	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020194	X_+_153996870_153996891	ATGGGCTAAGGGAGATGATTGG	47385	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020195	X_+_153996870_153996893	ATGGGCTAAGGGAGATGATTGGGT	47386	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020196	X_+_153996870_153996895	ATGGGCTAAGGGAGATGATTGGGTAG	47387	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020197	X_+_153996871_153996889	TGGGCTAAGGGAGATGATT	47388	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020198	X_+_153996871_153996891	TGGGCTAAGGGAGATGATTGG	47389	hsa-miR-664b-5p;Derives_from=MI0019134

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020199	X_+_153996871_153996892	TGGGCTAAGGGAGATGATTGGG	47390	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020200	X_+_153996871_153996893	TGGGCTAAGGGAGATGATTGGGT	47391	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020201	X_+_153996871_153996895	TGGGCTAAGGGAGATGATTGGGTA G	47392	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020202	X_+_153996871_153996896	TGGGCTAAGGGAGATGATTGGGTA GA	47393	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020203	X_+_153996872_153996895	GGGCTAAGGGAGATGATTGGGTAG	47394	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020204	X_+_153996872_153996899	GGGCTAAGGGAGATGATTGGGTAG AAAG	47395	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020205	X_+_153996873_153996900	GGCTAAGGGAGATGATTGGGTAGA AAGT	47396	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020206	X_+_153996876_153996894	TAAGGGAGATGATTGGGTA	47397	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020207	X_+_153996876_153996896	TAAGGGAGATGATTGGGTAGA	47398	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020208	X_+_153996876_153996897	TAAGGGAGATGATTGGGTAGAA	47399	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020209	X_+_153996876_153996898	TAAGGCAGATGATTGGGTAGAAA	47400	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020210	X_+_153996878_153996899	AGGGAGATGATTGGGTAGAAAG	47401	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020211	X_+_153996878_153996900	AGGGAGATGATTGGGTAGAAAGT	47402	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020212	X_+_153996879_153996900	GGGAGATGATTGGGTAGAAAGT	47403	hsa-miR-664b-5p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020213	X_+_153996904_153996921	ATTCTATTCATTTGCCTC	47404	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020214	X_+_153996904_153996925	ATTCTATTCATTTGCCTCCCAG	47405	hsa-miR-664b-3p;Derives_from=MI0019134

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020215	X_+_153996904_153996926	ATTCTATTCATTTGCCTCCCAGC	47406	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020216	X_+_153996904_153996928	ATTCTATTCATTTGCCTCCCAGCCT	47407	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020217	X_+_153996904_153996931	ATTCTATTCATTTGCCTCCCAGCCTACA	47408	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020218	X_+_153996905_153996926	TTCTATTCATTTGCCTCCCAGC	47409	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020219	X_+_153996906_153996931	TCTATTCATTTGCCTCCCAGCCTACA	47410	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020220	X_+_153996906_153996933	TCTATTCATTTGCCTCCCAGCCTACAAA	47411	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020221	X_+_153996907_153996923	CTATTCATTTGCCTCCC	47412	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020222	X_+_153996907_153996927	CTATTCATTTGCCTCCCAGCC	47413	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020223	X_+_153996907_153996928	CTATTCATTTGCCTCCCAGCCT	47414	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020224	X_+_153996907_153996931	CTATTCATTTGCCTCCCAGCCTACA	47415	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020225	X_+_153996907_153996932	CTATTCATTTGCCTCCCAGCCTACAA	47416	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020226	X_+_153996907_153996933	CTATTCATTTGCCTCCCAGCCTACAAA	47417	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020227	X_+_153996907_153996934	CTATTCATTTGCCTCCCAGCCTACAAAA	47418	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020228	X_+_153996911_153996931	TCATTTGCCTCCCAGCCTACA	47419	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020229	X_+_153996911_153996932	TCATTTGCCTCCCAGCCTACAA	47420	hsa-miR-664b-3p;Derives_from=MI0019134
NovelMiR_KnownLoci_ID0020230	X_-_16645139_16645166	TGGCAAAAACTGCAGTTACTTTTGTACC	47421	hsa-miR-548am-3p;Derives_from=MI0016904

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020231	X_-_16645172_16645198	AAAGTAATTGCGGTTTTTGCCGTCGAA	47422	hsa-miR-548am-5p;Derives_from=MI0016904
NovelMiR_KnownLoci_ID0020232	X_-_16645175_16645198	AAAGTAATTGCGGTTTTTGCCGTC	47423	hsa-miR-548am-5p;Derives_from=MI0016904
NovelMiR_KnownLoci_ID0020233	X_+_17444012_17444034	ATTCTCTCTGGATCCCATGGATA	47424	hsa-miR-4768-5p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020234	X_+_17444012_17444036	ATTCTCTCTGGATCCCATGGATATG	47425	hsa-miR-4768-5p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020235	X_+_17444013_17444034	TTCTCTCTGGATCCCATGGATA	47426	hsa-miR-4768-5p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020236	X_+_17444013_17444036	TTCTCTCTGGATCCCATGGATATG	47427	hsa-miR-4768-5p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020237	X_+_17444048_17444069	GTCCAGGAGATCCAGAGAGAAT	47428	hsa-miR-4768-3p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020238	X_+_17444049_17444068	TCCAGGAGATCCAGAGAGAA	47429	hsa-miR-4768-3p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020239	X_+_17444049_17444069	TCCAGGAGATCCAGAGAGAAT	47430	hsa-miR-4768-3p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020240	X_+_17444049_17444070	TCCAGGAGATCCAGAGAGAATC	47431	hsa-miR-4768-3p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020241	X_+_17444049_17444071	TCCAGGAGATCCAGAGAGAATCA	47432	hsa-miR-4768-3p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020242	X_+_17444050_17444071	CCAGGAGATCCAGAGAGAATCA	47433	hsa-miR-4768-3p;Derives_from=MI0017409
NovelMiR_KnownLoci_ID0020243	X_-_20035214_20035240	ATCACATTGCCAGTGATTACCCAAGGA	47434	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020244	X_-_20035216_20035240	ATCACATTGCCAGTGATTACCCAAG	47435	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020245	X_-_20035217_20035240	ATCACATTGCCAGTGATTACCCAA	47436	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020246	X_-_20035218_20035240	ATCACATTGCCAGTGATTACCCA	47437	hsa-miR-23c;Derives_from=MI0016010

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020247	X_-_20035220_20035240	ATCACATTGCCAGTGATTACC	47438	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020248	X_-_20035221_20035240	ATCACATTGCCAGTGATTAC	47439	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020249	X_-_20035222_20035240	ATCACATTGCCAGTGATTA	47440	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020250	X_-_20035223_20035240	ATCACATTGCCAGTGATT	47441	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020251	X_-_20035224_20035240	ATCACATTGCCAGTGAT	47442	hsa-miR-23c;Derives_from=MI0016010
NovelMiR_KnownLoci_ID0020252	X_+_2527264_2527283	GCCAGTGGAGGCCGGGGTGG	47443	hsa-miR-6089;Derives_from=MI0020366
NovelMiR_KnownLoci_ID0020253	X_-_28513688_28513710	TGAGGTGGTAGGATGTAGAGCTG	47444	hsa-miR-6134;Derives_from=MI0021279
NovelMiR_KnownLoci_ID0020254	X_-_28513689_28513710	TGAGGTGGTAGGATGTAGAGCT	47445	hsa-miR-6134;Derives_from=MI0021279
NovelMiR_KnownLoci_ID0020255	X_-_28513690_28513710	TGAGGTGGTAGGATGTAGAGC	47446	hsa-miR-6134;Derives_from=MI0021279
NovelMiR_KnownLoci_ID0020256	X_-_28513691_28513710	TGAGGTGGTAGGATGTAGAG	47447	hsa-miR-6134;Derives_from=MI0021279
NovelMiR_KnownLoci_ID0020257	X_+_29592405_29592427	GCATGTCAGATTGTAATTCCCAG	47448	hsa-miR-4666b;Derives_from=MI0019299
NovelMiR_KnownLoci_ID0020258	X_+_29592407_29592431	ATGTCAGATTGTAATTCCCAGGCCC	47449	hsa-miR-4666b;Derives_from=MI0019299
NovelMiR_KnownLoci_ID0020259	X_+_29592408_29592428	TGTCAGATTGTAATTCCCAGG	47450	hsa-miR-4666b;Derives_from=MI0019299
NovelMiR_KnownLoci_ID0020260	X_+_29592408_29592430	TGTCAGATTGTAATTCCCAGGCC	47451	hsa-miR-4666b;Derives_from=MI0019299

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020261	X_-_32601829_32601850	ATTGAGGAAAAGATGGTCTTAT	47452	hsa-miR-3915;Derives_from=MI0016420
NovelMiR_KnownLoci_ID0020262	X_+_39520528_39520548	CAACAGGCGGCTGTAGCAATG	47453	hsa-miR-3937;Derives_from=MI0016593
NovelMiR_KnownLoci_ID0020263	X_+_39520530_39520550	ACAGGCGGCTGTAGCAATGGG	47454	hsa-miR-3937;Derives_from=MI0016593
NovelMiR_KnownLoci_ID0020264	X_+_39520530_39520551	ACAGGCGGCTGTAGCAATGGGG	47455	hsa-miR-3937;Derives_from=MI0016593
NovelMiR_KnownLoci_ID0020265	X_+_39696816_39696837	TTGGGCTGGGCTGGGTTGGGCA	47456	hsa-miR-1587;Derives_from=MI0016905
NovelMiR_KnownLoci_ID0020266	X_-_45605607_45605630	AGCTACATTGTCTGCTGGGTTTCA	47457	hsa-miR-221-3p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020267	X_-_45605609_45605630	AGCTACATTGTCTGCTGGGTTT	47458	hsa-miR-221-3p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020268	X_-_45605610_45605630	AGCTACATTGTCTGCTGGGTT	47459	hsa-miR-221-3p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020269	X_-_45605611_45605630	AGCTACATTGTCTGCTGGGT	47460	hsa-miR-221-3p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020270	X_-_45605612_45605630	AGCTACATTGTCTGCTGGG	47461	hsa-miR-221-3p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020271	X_-_45605613_45605630	AGCTACATTGTCTGCTGG	47462	hsa-miR-221-3p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020272	X_-_45605644_45605670	ACCTGGCATACAATGTAGATTTCTGTG	47463	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020273	X_-_45605645_45605670	ACCTGGCATACAATGTAGATTTCTGT	47464	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020274	X_-_45605646_45605670	ACCTGGCATACAATGTAGATTTCTG	47465	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020275	X_-_45605647_45605670	ACCTGGCATACAATGTAGATTTCT	47466	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020276	X_-_45605648_45605670	ACCTGGCATACAATGTAGATTTC	47467	hsa-miR-221-5p;Derives_from=MI0000298

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020277	X_-_45605649_45605669	CCTGGCATACAATGTAGATTT	47468	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020278	X_-_45605650_45605670	ACCTGGCATACAATGTAGATT	47469	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020279	X_-_45605650_45605671	AACCTGGCATACAATGTAGATT	47470	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020280	X_-_45605651_45605670	ACCTGGCATACAATGTAGAT	47471	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020281	X_-_45605652_45605670	ACCTGGCATACAATGTAGA	47472	hsa-miR-221-5p;Derives_from=MI0000298
NovelMiR_KnownLoci_ID0020282	X_-_45606436_45606462	AGCTACATCTGGCTACTGGGTCTCTGA	47473	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020283	X_-_45606438_45606462	AGCTACATCTGGCTACTGGGTCTCT	47474	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020284	X_-_45606439_45606462	AGCTACATCTGGCTACTGGGTCTC	47475	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020285	X_-_45606440_45606462	AGCTACATCTGGCTACTGGGTCT	47476	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020286	X_-_45606441_45606462	AGCTACATCTGGCTACTGGGTC	47477	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020287	X_-_45606443_45606462	AGCTACATCTGGCTACTGGG	47478	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020288	X_-_45606444_45606462	AGCTACATCTGGCTACTGG	47479	hsa-miR-222-3p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020289	X_-_45606475_45606499	TCAGTAGCCAGTGTAGATCCTGTCT	47480	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020290	X_-_45606475_45606502	GGCTCAGTAGCCAGTGTAGATCCTGTCT	47481	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020291	X_-_45606476_45606500	CTCAGTAGCCAGTGTAGATCCTGTC	47482	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020292	X_-_45606476_45606502	GGCTCAGTAGCCAGTGTAGATCCTGTC	47483	hsa-miR-222-5p;Derives_from=MI0000299

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020293	X_-_45606477_45606499	TCAGTAGCCAGTGTAGATCCTGT	47484	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020294	X_-_45606477_45606502	GGCTCAGTAGCCAGTGTAGATCCTGT	47485	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020295	X_-_45606478_45606499	TCAGTAGCCAGTGTAGATCCTG	47486	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020296	X_-_45606479_45606499	TCAGTAGCCAGTGTAGATCCT	47487	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020297	X_-_45606479_45606502	GGCTCAGTAGCCAGTGTAGATCCT	47488	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020298	X_-_45606480_45606500	CTCAGTAGCCAGTGTAGATCC	47489	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020299	X_-_45606480_45606502	GGCTCAGTAGCCAGTGTAGATCC	47490	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020300	X_-_45606481_45606500	CTCAGTAGCCAGTGTAGATC	47491	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020301	X_-_45606481_45606502	GGCTCAGTAGCCAGTGTAGATC	47492	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020302	X_-_45606482_45606502	GGCTCAGTAGCCAGTGTAGAT	47493	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020303	X_-_45606483_45606502	GGCTCAGTAGCCAGTGTAGA	47494	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020304	X_-_45606485_45606502	GGCTCAGTAGCCAGTGTA	47495	hsa-miR-222-5p;Derives_from=MI0000299
NovelMiR_KnownLoci_ID0020305	X_+_47446835_47446854	GGTGGGATGGAGAGAAGGTA	47496	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020306	X_+_47446835_47446855	GGTGGGATGGAGAGAAGGTAT	47497	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020307	X_+_47446835_47446857	GGTGGGATGGAGAGAAGGTATGA	47498	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020308	X_+_47446835_47446860	GGTGGGATGGAGAGAAGGTATGAGCT	47499	hsa-miR-4769-5p;Derives_from=MI0017410

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020309	X_+_47446836_47446856	GTGGGATGGAGAGAAGGTATG	47500	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020310	X_+_47446836_47446857	GTGGGATGGAGAGAAGGTATGA	47501	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020311	X_+_47446836_47446858	GTGGGATGGAGAGAAGGTATGAG	47502	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020312	X_+_47446836_47446859	GTGGGATGGAGAGAAGGTATGAGC	47503	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020313	X_+_47446836_47446860	GTGGGATGGAGAGAAGGTATGAGCT	47504	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020314	X_+_47446837_47446857	TGGGATGGAGAGAAGGTATGA	47505	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020315	X_+_47446837_47446859	TGGGATGGAGAGAAGGTATGAGC	47506	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020316	X_+_47446837_47446860	TGGGATGGAGAGAAGGTATGAGCT	47507	hsa-miR-4769-5p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020317	X_+_47446869_47446887	CCAAGCTCTGCCATCCTCC	47508	hsa-miR-4769-3p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020318	X_+_47446875_47446894	TCTGCCATCCTCCCTCCCCT	47509	hsa-miR-4769-3p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020319	X_+_47446875_47446895	TCTGCCATCCTCCCTCCCCTA	47510	hsa-miR-4769-3p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020320	X_+_47446875_47446897	TCTGCCATCCTCCCTCCCCTACT	47511	hsa-miR-4769-3p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020321	X_+_47446875_47446898	TCTGCCATCCTCCCTCCCCTACTT	47512	hsa-miR-4769-3p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020322	X_+_47446875_47446899	TCTGCCATCCTCCCTCCCCTACTTC	47513	hsa-miR-4769-3p;Derives_from=MI0017410
NovelMiR_KnownLoci_ID0020323	X_+_49767773_49767790	CATGCCTTGAGTGTAGGA	47514	hsa-miR-532-5p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020324	X_+_49767773_49767791	CATGCCTTGAGTGTAGGAC	47515	hsa-miR-532-5p;Derives_from=MI0003205

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020325	X_+_49767773_49767792	CATGCCTTGAGTGTAGGACC	47516	hsa-miR-532-5p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020326	X_+_49767773_49767793	CATGCCTTGAGTGTAGGACCG	47517	hsa-miR-532-5p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020327	X_+_49767773_49767795	CATGCCTTGAGTGTAGGACCGTT	47518	hsa-miR-532-5p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020328	X_+_49767773_49767796	CATGCCTTGAGTGTAGGACCGTTG	47519	hsa-miR-532-5p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020329	X_+_49767774_49767794	ATGCCTTGAGTGTAGGACCGT	47520	hsa-miR-532-5p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020330	X_+_49767810_49767826	CCTCCCACACCCAAGGC	47521	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020331	X_+_49767810_49767827	CCTCCCACACCCAAGGCT	47522	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020332	X_+_49767810_49767828	CCTCCCACACCCAAGGCTT	47523	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020333	X_+_49767810_49767829	CCTCCCACACCCAAGGCTTG	47524	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020334	X_+_49767810_49767830	CCTCCCACACCCAAGGCTTGC	47525	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020335	X_+_49767810_49767832	CCTCCCACACCCAAGGCTTGCAA	47526	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020336	X_+_49767810_49767833	CCTCCCACACCCAAGGCTTGCAAA	47527	hsa-miR-532-3p;Derives_from=MI0003205
NovelMiR_KnownLoci_ID0020337	X_+_49768123_49768138	CATCCCTTGCATGGTG	47528	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020338	X_+_49768123_49768140	CATCCCTTGCATGGTGGA	47529	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020339	X_+_49768123_49768141	CATCCCTTGCATGGTGGAG	47530	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020340	X_+_49768123_49768142	CATCCCTTGCATGGTGGAGG	47531	hsa-miR-188-5p;Derives_from=MI0000484

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020341	X_+_49768123_49768144	CATCCCTTGCATGGTGGAGGGT	47532	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020342	X_+_49768123_49768145	CATCCCTTGCATGGTGGAGGGTG	47533	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020343	X_+_49768123_49768146	CATCCCTTGCATGGTGGAGGGTGA	47534	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020344	X_+_49768123_49768148	CATCCCTTGCATGGTGGAGGGTGAGC	47535	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020345	X_+_49768124_49768139	ATCCCTTGCATGGTGG	47536	hsa-miR-188-5p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020346	X_+_49768161_49768181	CCTCCCACATGCAGGGTTTGC	47537	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020347	X_+_49768161_49768182	CCTCCCACATGCAGGGTTTGCA	47538	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020348	X_+_49768162_49768178	CTCCCACATGCAGGGTT	47539	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020349	X_+_49768162_49768180	CTCCCACATGCAGGGTTTG	47540	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020350	X_+_49768162_49768181	CTCCCACATGCAGGGTTTGC	47541	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020351	X_+_49768162_49768183	CTCCCACATGCAGGGTTTGCAG	47542	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020352	X_+_49768162_49768184	CTCCCACATGCAGGGTTTGCAGG	47543	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020353	X_+_49768162_49768186	CTCCCACATGCAGGGTTTGCAGGAT	47544	hsa-miR-188-3p;Derives_from=MI0000484
NovelMiR_KnownLoci_ID0020354	X_+_49773056_49773079	CTTGCTACCTGGGTGAGAGTGCTG	47545	hsa-miR-500a-5p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020355	X_+_49773089_49773110	AATGCACCTGGGCAAGGATTCT	47546	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020356	X_+_49773089_49773111	AATGCACCTGGGCAAGGATTCTG	47547	hsa-miR-500a-3p;Derives_from=MI0003184

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020357	X_+_49773089_49773112	AATGCACCTGGGCAAGGATTCTGA	47548	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020358	X_+_49773090_49773110	ATGCACCTGGGCAAGGATTCT	47549	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020359	X_+_49773090_49773112	ATGCACCTGGGCAAGGATTCTGA	47550	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020360	X_+_49773090_49773113	ATGCACCTGGGCAAGGATTCTGAG	47551	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020361	X_+_49773090_49773115	ATGCACCTGGGCAAGGATTCTGAGAG	47552	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020362	X_+_49773090_49773116	ATGCACCTGGGCAAGGATTCTGAGAGC	47553	hsa-miR-500a-3p;Derives_from=MI0003184
NovelMiR_KnownLoci_ID0020363	X_+_49773576_49773591	AATCCTTGGAACCTAG	47554	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020364	X_+_49773576_49773592	AATCCTTGGAACCTAGG	47555	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020365	X_+_49773576_49773594	AATCCTTGGAACCTAGGTC	47556	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020366	X_+_49773576_49773595	AATCCTTGGAACCTAGGTGT	47557	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020367	X_+_49773576_49773596	AATCCTTGGAACCTAGGTGTG	47558	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020368	X_+_49773576_49773597	AATCCTTGGAACCTAGGTGTGA	47559	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020369	X_+_49773576_49773598	AATCCTTGGAACCTAGGTGTGAG	47560	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020370	X_+_49773576_49773600	AATCCTTGGAACCTAGGTGTGAGTG	47561	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020371	X_+_49773576_49773601	AATCCTTGGAACCTAGGTGTGAGTGC	47562	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020372	X_+_49773576_49773602	AATCCTTGGAACCTAGGTGTGAGTGCT	47563	hsa-miR-362-5p;Derives_from=MI0000762

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020373	X_+_49773576_49773603	AATCCTTGGAACCTAGGTGTGAGTGCTA	47564	hsa-miR-362-5p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020374	X_+_49773613_49773628	AACACACCTATTCAAG	47565	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020375	X_+_49773613_49773629	AACACACCTATTCAAGG	47566	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020376	X_+_49773613_49773631	AACACACCTATTCAAGGAT	47567	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020377	X_+_49773613_49773632	AACACACCTATTCAAGGATT	47568	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020378	X_+_49773613_49773633	AACACACCTATTCAAGGATTC	47569	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020379	X_+_49773613_49773635	AACACACCTATTCAAGGATTCAA	47570	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020380	X_+_49773613_49773636	AACACACCTATTCAAGGATTCAAA	47571	hsa-miR-362-3p;Derives_from=MI0000762
NovelMiR_KnownLoci_ID0020381	X_+_49774343_49774360	AATCCTTTGTCCCTGGGT	47572	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020382	X_+_49774343_49774362	AATCCTTTGTCCCTGGGTGA	47573	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020383	X_+_49774343_49774363	AATCCTTTGTCCCTGGGTGAG	47574	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020384	X_+_49774343_49774365	AATCCTTTGTCCCTGGGTGAGAG	47575	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020385	X_+_49774343_49774366	AATCCTTTGTCCCTGGGTGAGAGT	47576	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020386	X_+_49774343_49774367	AATCCTTTGTCCCTGGGTGAGAGTG	47577	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020387	X_+_49774343_49774368	AATCCTTTGTCCCTGGGTGAGAGTGC	47578	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020388	X_+_49774343_49774370	AATCCTTTGTCCCTGGGTGAGAGTGCTT	47579	hsa-miR-501-5p;Derives_from=MI0003185

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020389	X_+_49774344_49774361	ATCCTTTGTCCCTGGGTG	47580	hsa-miR-501-5p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020390	X_+_49774376_49774399	ATGCAATGCACCCGGGCAAGGATT	47581	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020391	X_+_49774380_49774395	AATGCACCCGGGCAAG	47582	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020392	X_+_49774380_49774396	AATGCACCCGGGCAAGG	47583	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020393	X_+_49774380_49774397	AATGCACCCGGGCAAGGA	47584	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020394	X_+_49774380_49774398	AATGCACCCGGGCAAGGAT	47585	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020395	X_+_49774380_49774399	AATGCACCCGGGCAAGGATT	47586	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020396	X_+_49774380_49774400	AATGCACCCGGGCAAGGATTC	47587	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020397	X_+_49774380_49774402	AATGCACCCGGGCAAGGATTCTG	47588	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020398	X_+_49774380_49774403	AATGCACCCGGGCAAGGATTCTGA	47589	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020399	X_+_49774380_49774404	AATGCACCCGGGCAAGGATTCTGAG	47590	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020400	X_+_49774381_49774398	ATGCACCCGGGCAAGGAT	47591	hsa-miR-501-3p;Derives_from=MI0003185
NovelMiR_KnownLoci_ID0020401	X_+_49775290_49775313	AATCCTTGCTACCTGGGTGAGAGT	47592	hsa-miR-500b-5p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020402	X_+_49775298_49775313	CTACCTGGGTGAGAGT	47593	hsa-miR-500b-5p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020403	X_+_49775324_49775348	TGCAGTGCACCCAGGCAAGGATTCT	47594	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020404	X_+_49775327_49775344	AGTGCACCCAGGCAAGGA	47595	hsa-miR-500b-3p;Derives_from=MI0015903

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020405	X_+_49775327_49775346	AGTGCACCCAGGCAAGGATT	47596	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020406	X_+_49775327_49775347	AGTGCACCCAGGCAAGGATTC	47597	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020407	X_+_49775327_49775348	AGTGCACCCAGGCAAGGATTCT	47598	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020408	X_+_49775327_49775349	AGTGCACCCAGGCAAGGATTCTG	47599	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020409	X_+_49775327_49775350	AGTGCACCCAGGCAAGGATTCTGC	47600	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020410	X_+_49775327_49775351	AGTGCACCCAGGCAAGGATTCTGCA	47601	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020411	X_+_49775328_49775348	GTGCACCCAGGCAAGGATTCT	47602	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020412	X_+_49775328_49775349	GTGCACCCAGGCAAGGATTCTG	47603	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020413	X_+_49775328_49775350	GTGCACCCAGGCAAGGATTCTGC	47604	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020414	X_+_49775328_49775351	GTGCACCCAGGCAAGGATTCTGCA	47605	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020415	X_+_49775329_49775349	TGCACCCAGGCAAGGATTCTG	47606	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020416	X_+_49775329_49775350	TGCACCCAGGCAAGGATTCTGC	47607	hsa-miR-500b-3p;Derives_from=MI0015903
NovelMiR_KnownLoci_ID0020417	X_+_49777864_49777879	TACCCATTGCATATCG	47608	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020418	X_+_49777864_49777882	TACCCATTGCATATCGGAG	47609	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020419	X_+_49777864_49777883	TACCCATTGCATATCGGAGT	47610	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020420	X_+_49777864_49777884	TACCCATTGCATATCGGAGTT	47611	hsa-miR-660-5p;Derives_from=MI0003684

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020421	X_+_49777864_49777886	TACCCATTGCATATCGGAGTTGT	47612	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020422	X_+_49777864_49777887	TACCCATTGCATATCGGAGTTGTG	47613	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020423	X_+_49777864_49777891	TACCCATTGCATATCGGAGTTGTG AATT	47614	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020424	X_+_49777865_49777885	ACCCATTGCATATCGGAGTTG	47615	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020425	X_+_49777865_49777886	ACCCATTGCATATCGGAGTTGT	47616	hsa-miR-660-5p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020426	X_+_49777900_49777917	ACCTCCTGTGTGCATGGA	47617	hsa-miR-660-3p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020427	X_+_49777900_49777918	ACCTCCTGTGTGCATGGAT	47618	hsa-miR-660-3p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020428	X_+_49777900_49777919	ACCTCCTGTGTGCATGGATT	47619	hsa-miR-660-3p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020429	X_+_49777900_49777921	ACCTCCTGTGTGCATGGATTAC	47620	hsa-miR-660-3p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020430	X_+_49777900_49777922	ACCTCCTGTGTGCATGGATTACA	47621	hsa-miR-660-3p;Derives_from=MI0003684
NovelMiR_KnownLoci_ID0020431	X_+_49779219_49779238	TAATCCTTGCTATCTGGGTG	47622	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020432	X_+_49779219_49779239	TAATCCTTGCTATCTGGGTGC	47623	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020433	X_+_49779219_49779240	TAATCCTTGCTATCTGGGTGCT	47624	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020434	X_+_49779219_49779242	TAATCCTTGCTATCTGGGTGCTAG	47625	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020435	X_+_49779219_49779243	TAATCCTTGCTATCTGGGTGCTAG T	47626	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020436	X_+_49779219_49779244	TAATCCTTGCTATCTGGGTGCTAG TG	47627	hsa-miR-502-5p;Derives_from=MI0003186

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020437	X_+_49779219_49779245	TAATCCTTGCTATCTGGGTGCTAGTGC	47628	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020438	X_+_49779220_49779237	AATCCTTGCTATCTGGGT	47629	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020439	X_+_49779220_49779240	AATCCTTGCTATCTGGGTGCT	47630	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020440	X_+_49779220_49779241	AATCCTTGCTATCTGGGTGCTA	47631	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020441	X_+_49779220_49779242	AATCCTTGCTATCTGGGTGCTAG	47632	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020442	X_+_49779220_49779243	AATCCTTGCTATCTGGGTGCTAGT	47633	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020443	X_+_49779220_49779244	AATCCTTGCTATCTGGGTGCTAGTG	47634	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020444	X_+_49779220_49779245	AATCCTTGCTATCTGGGTGCTAGTGC	47635	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020445	X_+_49779220_49779247	AATCCTTGCTATCTGGGTGCTAGTGCTG	47636	hsa-miR-502-5p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020446	X_+_49779257_49779279	AATGCACCTGGGCAAGGATTCAG	47637	hsa-miR-502-3p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020447	X_+_49779257_49779280	AATGCACCTGGGCAAGGATTCAGA	47638	hsa-miR-502-3p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020448	X_+_49779257_49779281	AATGCACCTGGGCAAGGATTCAGAG	47639	hsa-miR-502-3p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020449	X_+_49779257_49779283	AATGCACCTGGGCAAGGATTCAGAGAG	47640	hsa-miR-502-3p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020450	X_+_49779258_49779278	ATGCACCTGGGCAAGGATTCA	47641	hsa-miR-502-3p;Derives_from=MI0003186
NovelMiR_KnownLoci_ID0020451	X_-_53224589_53224614	TGTCTCTCGCCCTTGGCCTTAGAATG	47642	hsa-miR-6895-3p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020452	X_-_53224591_53224614	TGTCTCTCGCCCTTGGCCTTAGAA	47643	hsa-miR-6895-3p;Derives_from=MI0022742

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020453	X_-_53224592_53224613	GTCTCTCGCCCTTGGCCTTAGA	47644	hsa-miR-6895-3p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020454	X_-_53224592_53224614	TGTCTCTCGCCCTTGGCCTTAGA	47645	hsa-miR-6895-3p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020455	X_-_53224592_53224615	CTGTCTCTCGCCCTTGGCCTTAGA	47646	hsa-miR-6895-3p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020456	X_-_53224599_53224614	TGTCTCTCGCCCTTGG	47647	hsa-miR-6895-3p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020457	X_-_53224640_53224664	AGGGCCAGGCACAGAGTAAGCATCA	47648	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020458	X_-_53224641_53224663	GGGCCAGGCACAGAGTAAGCATC	47649	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020459	X_-_53224641_53224664	AGGGCCAGGCACAGAGTAAGCATC	47650	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020460	X_-_53224641_53224665	CAGGGCCAGGCACAGAGTAAGCATC	47651	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020461	X_-_53224641_53224666	TCAGGGCCAGGCACAGAGTAAGCATC	47652	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020462	X_-_53224642_53224664	AGGGCCAGGCACAGAGTAAGCAT	47653	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020463	X_-_53224642_53224665	CAGGGCCAGGCACAGAGTAAGCAT	47654	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020464	X_-_53224643_53224665	CAGGGCCAGGCACAGAGTAAGCA	47655	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020465	X_-_53224644_53224665	CAGGGCCAGGCACAGAGTAAGC	47656	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020466	X_-_53224644_53224666	TCAGGGCCAGGCACAGAGTAAGC	47657	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020467	X_-_53224645_53224664	AGGGCCAGGCACAGAGTAAG	47658	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020468	X_-_53224645_53224666	TCAGGGCCAGGCACAGAGTAAG	47659	hsa-miR-6895-5p;Derives_from=MI0022742

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020469	X_-_53224645_53224670	CAGCTCAGGGCCAGGCACAGAGTAAG	47660	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020470	X_-_53224646_53224665	CAGGGCCAGGCACAGAGTAA	47661	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020471	X_-_53224646_53224666	TCAGGGCCAGGCACAGAGTAA	47662	hsa-miR-6895-5p;Derives_from=MI0022742
NovelMiR_KnownLoci_ID0020472	X_-_53228066_53228090	TGCCTGCCCTCTTCCTCCAGGTATC	47663	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020473	X_-_53228066_53228091	TTGCCTGCCCTCTTCCTCCAGGTATC	47664	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020474	X_-_53228067_53228090	TGCCTGCCCTCTTCCTCCAGGTAT	47665	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020475	X_-_53228068_53228090	TGCCTGCCCTCTTCCTCCAGGTA	47666	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020476	X_-_53228068_53228091	TTGCCTGCCCTCTTCCTCCAGGTA	47667	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020477	X_-_53228069_53228090	TGCCTGCCCTCTTCCTCCAGGT	47668	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020478	X_-_53228069_53228091	TTGCCTGCCCTCTTCCTCCAGGT	47669	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020479	X_-_53228070_53228090	TGCCTGCCCTCTTCCTCCAGG	47670	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020480	X_-_53228070_53228091	TTGCCTGCCCTCTTCCTCCAGG	47671	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020481	X_-_53228071_53228090	TGCCTGCCCTCTTCCTCCAG	47672	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020482	X_-_53228072_53228090	TGCCTGCCCTCTTCCTCCA	47673	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020483	X_-_53228072_53228091	TTGCCTGCCCTCTTCCTCCA	47674	hsa-miR-6894-3p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020484	X_-_53228097_53228121	GGAGGATGGAGAGCTGGGCCAGACA	47675	hsa-miR-6894-5p;Derives_from=MI0022741

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020485	X_-_53228097_53228123	AAGGAGGATGGAGAGCTGGGCCAGACA	47676	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020486	X_-_53228098_53228122	AGGAGGATGGAGAGCTGGGCCAGAC	47677	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020487	X_-_53228098_53228123	AAGGAGGATGGAGAGCTGGGCCAGAC	47678	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020488	X_-_53228099_53228123	AAGGAGGATGGAGAGCTGGGCCAGA	47679	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020489	X_-_53228100_53228123	AAGGAGGATGGAGAGCTGGGCCAG	47680	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020490	X_-_53228101_53228123	AAGGAGGATGGAGAGCTGGGCCA	47681	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020491	X_-_53228102_53228123	AAGGAGGATGGAGAGCTGGGCC	47682	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020492	X_-_53228103_53228123	AAGGAGGATGGAGAGCTGGGC	47683	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020493	X_-_53228104_53228123	AAGGAGGATGGAGAGCTGGG	47684	hsa-miR-6894-5p;Derives_from=MI0022741
NovelMiR_KnownLoci_ID0020494	X_-_53432603_53432625	TGACTGAGCTTCTCCCCACAGGT	47685	hsa-miR-6857-3p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020495	X_-_53432604_53432625	TGACTGAGCTTCTCCCCACAGG	47686	hsa-miR-6857-3p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020496	X_-_53432604_53432626	CTGACTGAGCTTCTCCCCACAGG	47687	hsa-miR-6857-3p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020497	X_-_53432606_53432625	TGACTGAGCTTCTCCCCACA	47688	hsa-miR-6857-3p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020498	X_-_53432607_53432625	TGACTGAGCTTCTCCCCAC	47689	hsa-miR-6857-3p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020499	X_-_53432669_53432692	TTGGGGATTGGGTCAGGCCAGTGT	47690	hsa-miR-6857-5p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020500	X_-_53432670_53432692	TTGGGGATTGGGTCAGGCCAGTG	47691	hsa-miR-6857-5p;Derives_from=MI0022703

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020501	X_-_53432671_53432694	TGTTGGGGATTGGGTCAGGCCAGT	47692	hsa-miR-6857-5p;Derives_from=MI0022703
NovelMiR_KnownLoci_ID0020502	X_-_53583198_53583223	CTATACAACTTACTACTTTCCCTGGT	47693	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020503	X_-_53583201_53583222	TATACAACTTACTACTTTCCCT	47694	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020504	X_-_53583201_53583223	CTATACAACTTACTACTTTCCCT	47695	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020505	X_-_53583202_53583222	TATACAACTTACTACTTTCCC	47696	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020506	X_-_53583203_53583223	CTATACAACTTACTACTTTCC	47697	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020507	X_-_53583203_53583229	AGATAACTATACAACTTACTACTTTCC	47698	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020508	X_-_53583204_53583223	CTATACAACTTACTACTTTC	47699	hsa-miR-98-3p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020509	X_-_53583258_53583281	TGAGGTAGTAAGTTGTATTGTTGT	47700	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020510	X_-_53583259_53583281	TGAGGTAGTAAGTTGTATTGTTG	47701	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020511	X_-_53583260_53583278	GGTAGTAAGTTGTATTGTT	47702	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020512	X_-_53583261_53583281	TGAGGTAGTAAGTTGTATTGT	47703	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020513	X_-_53583262_53583281	TGAGGTAGTAAGTTGTATTG	47704	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020514	X_-_53583263_53583281	TGAGGTAGTAAGTTGTATT	47705	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020515	X_-_53583266_53583281	TGAGGTAGTAAGTTGT	47706	hsa-miR-98-5p;Derives_from=MI0000100
NovelMiR_KnownLoci_ID0020516	X_-_53584154_53584178	CTATACAGTCTACTGTCTTTCCCAC	47707	hsa-let-7f-2-3p;Derives_from=MI0000068

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020517	X_-_53584156_53584178	CTATACAGTCTACTGTCTTTCCC	47708	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020518	X_-_53584157_53584182	ATAACTATACAGTCTACTGTCTTTCC	47709	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020519	X_-_53584158_53584178	CTATACAGTCTACTGTCTTTC	47710	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020520	X_-_53584158_53584180	AACTATACAGTCTACTGTCTTTC	47711	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020521	X_-_53584158_53584183	GATAACTATACAGTCTACTGTCTTTC	47712	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020522	X_-_53584159_53584178	CTATACAGTCTACTGTCTTT	47713	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020523	X_-_53584160_53584178	CTATACAGTCTACTGTCTT	47714	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020524	X_-_53584161_53584178	CTATACAGTCTACTGTCT	47715	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020525	X_-_53584162_53584178	CTATACAGTCTACTGTC	47716	hsa-let-7f-2-3p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020526	X_-_53584201_53584228	TGAGGTAGTAGATTGTATAGTTTTAGGG	47717	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020527	X_-_53584202_53584228	TGAGGTAGTAGATTGTATAGTTTTAGG	47718	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020528	X_-_53584203_53584228	TGAGGTAGTAGATTGTATAGTTTTAG	47719	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020529	X_-_53584204_53584228	TGAGGTAGTAGATTGTATAGTTTTA	47720	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020530	X_-_53584205_53584228	TGAGGTAGTAGATTGTATAGTTTT	47721	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020531	X_-_53584206_53584227	GAGGTAGTAGATTGTATAGTTT	47722	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020532	X_-_53584206_53584228	TGAGGTAGTAGATTGTATAGTTT	47723	hsa-let-7f-5p;Derives_from=MI0000068

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020533	X_-_53584207_53584229	ATGAGGTAGTAGATTGTATAGTT	47724	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020534	X_-_53584208_53584229	ATGAGGTAGTAGATTGTATAGT	47725	hsa-let-7f-5p;Derives_from=MI0000068
NovelMiR_KnownLoci_ID0020535	X_-_55477924_55477946	GTGCATATATCTACCACATTATG	47726	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020536	X_-_55477924_55477948	TCGTGCATATATCTACCACATTATG	47727	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020537	X_-_55477925_55477945	TGCATATATCTACCACATTAT	47728	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020538	X_-_55477925_55477948	TCGTGCATATATCTACCACATTAT	47729	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020539	X_-_55477926_55477946	GTGCATATATCTACCACATTA	47730	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020540	X_-_55477926_55477947	CGTGCATATATCTACCACATTA	47731	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020541	X_-_55477926_55477948	TCGTGCATATATCTACCACATTA	47732	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020542	X_-_55477927_55477948	TCGTGCATATATCTACCACATT	47733	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020543	X_+_55477931_55477953	TGGTAGATATATGCACGATATAG	47734	hsa-miR-4536-5p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020544	X_-_55477931_55477954	CCTATATCGTGCATATATCTACCA	47735	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020545	X_-_55477932_55477954	CCTATATCGTGCATATATCTACC	47736	hsa-miR-4536-3p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020546	X_+_55477989_55478004	TATATATCGTGCATAT	47737	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020547	X_-_55477989_55478008	AGATATATGCACGATATATA	47738	hsa-miR-4536-5p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020548	X_-_55477989_55478012	TGGTAGATATATGCACGATATATA	47739	hsa-miR-4536-5p;Derives_from=MI0016906

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020549	X_-_55477993_55478014	TGTGGTAGATATATGCACGATA	47740	hsa-miR-4536-5p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020550	X_+_55477994_55478015	ATCGTGCATATATCTACCACAT	47741	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020551	X_-_55477995_55478015	ATGTGGTAGATATATGCACGA	47742	hsa-miR-4536-5p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020552	X_+_55477995_55478016	TCGTGCATATATCTACCACATT	47743	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020553	X_-_55477995_55478017	AAATGTGGTAGATATATGCACGA	47744	hsa-miR-4536-5p;Derives_from=MI0016906
NovelMiR_KnownLoci_ID0020554	X_+_55477995_55478017	TCGTGCATATATCTACCACATTT	47745	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020555	X_+_55477995_55478020	TCGTGCATATATCTACCACATTTTAA	47746	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020556	X_+_55477995_55478021	TCGTGCATATATCTACCACATTTTAAA	47747	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020557	X_+_55477996_55478017	CGTGCATATATCTACCACATTT	47748	hsa-miR-4536-3p;Derives_from=MI0019149
NovelMiR_KnownLoci_ID0020558	X_-_63005893_63005913	AGCAAAATAAGCAAATGGAAA	47749	hsa-miR-1468-3p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020559	X_-_63005894_63005913	AGCAAAATAAGCAAATGGAA	47750	hsa-miR-1468-3p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020560	X_-_63005894_63005915	TCAGCAAAATAAGCAAATGGAA	47751	hsa-miR-1468-3p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020561	X_-_63005895_63005915	TCAGCAAAATAAGCAAATGGA	47752	hsa-miR-1468-3p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020562	X_-_63005896_63005915	TCAGCAAAATAAGCAAATGG	47753	hsa-miR-1468-3p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020563	X_-_63005929_63005955	CTCCGTTTGCCTGTTTCGCTGATGTGC	47754	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020564	X_-_63005931_63005955	CTCCGTTTGCCTGTTTCGCTGATGT	47755	hsa-miR-1468-5p;Derives_from=MI0003782

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020565	X_-_63005932_63005955	CTCCGTTTGCCTGTTTCGCTGATG	47756	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020566	X_-_63005933_63005954	TCCGTTTGCCTGTTTCGCTGAT	47757	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020567	X_-_63005933_63005955	CTCCGTTTGCCTGTTTCGCTGAT	47758	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020568	X_-_63005934_63005955	CTCCGTTTGCCTGTTTCGCTGA	47759	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020569	X_-_63005936_63005955	CTCCGTTTGCCTGTTTCGCT	47760	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020570	X_-_63005937_63005955	CTCCGTTTGCCTGTTTCGC	47761	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020571	X_-_63005938_63005955	CTCCGTTTGCCTGTTTCG	47762	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020572	X_-_63005939_63005955	CTCCGTTTGCCTGTTTC	47763	hsa-miR-1468-5p;Derives_from=MI0003782
NovelMiR_KnownLoci_ID0020573	X_+_65238737_65238752	CGTGTATTTGACAAGC	47764	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020574	X_+_65238737_65238754	CGTGTATTTGACAAGCTG	47765	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020575	X_+_65238737_65238755	CGTGTATTTGACAAGCTGA	47766	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020576	X_+_65238737_65238756	CGTGTATTTGACAAGCTGAG	47767	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020577	X_+_65238737_65238757	CGTGTATTTGACAAGCTGAGT	47768	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020578	X_+_65238737_65238759	CGTGTATTTGACAAGCTGAGTTG	47769	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020579	X_+_65238737_65238760	CGTGTATTTGACAAGCTGAGTTGG	47770	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020580	X_+_65238737_65238761	CGTGTATTTGACAAGCTGAGTTGGA	47771	hsa-miR-223-5p;Derives_from=MI0000300

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020581	X_+_65238737_65238762	CGTGTATTTGACAAGCTGAGTTGGAC	47772	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020582	X_+_65238737_65238763	CGTGTATTTGACAAGCTGAGTTGGACA	47773	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020583	X_+_65238737_65238764	CGTGTATTTGACAAGCTGAGTTGGACAC	47774	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020584	X_+_65238743_65238764	TTTGACAAGCTGAGTTGGACAC	47775	hsa-miR-223-5p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020585	X_+_65238779_65238797	TGTCAGTTTGTCAAATACC	47776	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020586	X_+_65238779_65238798	TGTCAGTTTGTCAAATACCC	47777	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020587	X_+_65238779_65238799	TGTCAGTTTGTCAAATACCCC	47778	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020588	X_+_65238779_65238801	TGTCAGTTTGTCAAATACCCCAA	47779	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020589	X_+_65238779_65238802	TGTCAGTTTGTCAAATACCCCAAG	47780	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020590	X_+_65238779_65238803	TGTCAGTTTGTCAAATACCCCAAGT	47781	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020591	X_+_65238780_65238800	GTCAGTTTGTCAAATACCCCA	47782	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020592	X_+_65238780_65238801	GTCAGTTTCTCAAATACCCCAA	47783	hsa-miR-223-3p;Derives_from=MI0000300
NovelMiR_KnownLoci_ID0020593	X_+_69242711_69242733	GACTCTTCAACCTCAGGACTTGC	47784	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020594	X_+_69242712_69242732	ACTCTTCAACCTCAGGACTTG	47785	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020595	X_+_69242712_69242733	ACTCTTCAACCTCAGGACTTGC	47786	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020596	X_+_69242712_69242734	ACTCTTCAACCTCAGGACTTGCA	47787	hsa-miR-676-5p;Derives_from=MI0016436

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020597	X_+_69242713_69242732	CTCTTCAACCTCAGGACTTG	47788	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020598	X_+_69242713_69242733	CTCTTCAACCTCAGGACTTGC	47789	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020599	X_+_69242713_69242734	CTCTTCAACCTCAGGACTTGCA	47790	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020600	X_+_69242714_69242731	TCTTCAACCTCAGGACTT	47791	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020601	X_+_69242714_69242732	TCTTCAACCTCAGGACTTG	47792	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020602	X_+_69242714_69242733	TCTTCAACCTCAGGACTTGC	47793	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020603	X_+_69242715_69242734	CTTCAACCTCAGGACTTGCA	47794	hsa-miR-676-5p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020604	X_+_69242743_69242761	GGAATGCTGTCCTAAGGTT	47795	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020605	X_+_69242749_69242765	CTGTCCTAAGGTTGTTG	47796	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020606	X_+_69242749_69242766	CTGTCCTAAGGTTGTTGA	47797	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020607	X_+_69242749_69242768	CTGTCCTAAGGTTGTTGAGT	47798	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020608	X_+_69242749_69242770	CTGTCCTAAGGTTGTTGAGTTG	47799	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020609	X_+_69242749_69242771	CTGTCCTAAGGTTGTTGAGTTGT	47800	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020610	X_+_69242749_69242772	CTGTCCTAAGGTTGTTGAGTTGTG	47801	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020611	X_+_69242750_69242770	TGTCCTAAGGTTGTTGAGTTG	47802	hsa-miR-676-3p;Derives_from=MI0016436
NovelMiR_KnownLoci_ID0020612	X_+_69242751_69242772	GTCCTAAGGTTGTTGAGTTGTG	47803	hsa-miR-676-3p;Derives_from=MI0016436

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020613	X_+_7065904_7065921	TGGGCCCGCGGGCGCTCC	47804	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020614	X_+_7065909_7065928	CCGCGGGCGCTCCTGGCCGC	47805	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020615	X_+_7065909_7065929	CCGCGGGCGCTCCTGGCCGCC	47806	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020616	X_+_7065909_7065930	CCGCGGGCGCTCCTGGCCGCCG	47807	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020617	X_+_7065909_7065931	CCGCGGGCGCTCCTGGCCGCCGC	47808	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020618	X_+_7065909_7065932	CCGCGGGCGCTCCTGGCCGCCGCC	47809	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020619	X_+_7065909_7065933	CCGCGGGCGCTCCTGGCCGCCGCCC	47810	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020620	X_+_7065909_7065934	CCGCGGGCGCTCCTGGCCGCCGCCCG	47811	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020621	X_+_7065909_7065936	CCGCGGGCGCTCCTGGCCGCCGCCCGAC	47812	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020622	X_+_7065910_7065930	CGCGGGCGCTCCTGGCCGCCG	47813	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020623	X_+_7065910_7065931	CGCGGGCGCTCCTGGCCGCCGC	47814	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020624	X_+_7065910_7065933	CGCGGGCGCTCCTGGCCGCCGCCC	47815	hsa-miR-4767;Derives_from=MI0017408
NovelMiR_KnownLoci_ID0020625	X_-_73438223_73438245	ACAGACATTAATTGGGCGCCTGC	47816	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020626	X_-_73438224_73438246	AACAGACATTAATTGGGCGCCTG	47817	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020627	X_-_73438225_73438249	ATCAACAGACATTAATTGGGCGCCT	47818	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020628	X_-_73438226_73438246	AACAGACATTAATTGGGCGCC	47819	hsa-miR-421;Derives_from=MI0003685

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020629	X_-_73438226_73438249	ATCAACAGACATTAATTGGGCGCC	47820	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020630	X_-_73438227_73438248	TCAACAGACATTAATTGGGCGC	47821	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020631	X_-_73438228_73438249	ATCAACAGACATTAATTGGGCG	47822	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020632	X_-_73438229_73438249	ATCAACAGACATTAATTGGGC	47823	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020633	X_-_73438230_73438249	ATCAACAGACATTAATTGGG	47824	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020634	X_-_73438231_73438249	ATCAACAGACATTAATTGG	47825	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020635	X_-_73438232_73438249	ATCAACAGACATTAATTG	47826	hsa-miR-421;Derives_from=MI0003685
NovelMiR_KnownLoci_ID0020636	X_-_73438387_73438413	CTTAGCAGGTTGTATTATCATTGTCCG	47827	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020637	X_-_73438389_73438412	TTAGCAGGTTGTATTATCATTGTC	47828	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020638	X_-_73438389_73438413	CTTAGCAGGTTGTATTATCATTGTC	47829	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020639	X_-_73438390_73438413	CTTAGCAGGTTGTATTATCATTGT	47830	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020640	X_-_73438391_73438412	TTAGCAGGTTGTATTATCATTG	47831	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020641	X_-_73438391_73438413	CTTAGCAGGTTGTATTATCATTG	47832	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020642	X_-_73438392_73438412	TTAGCAGGTTGTATTATCATT	47833	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020643	X_-_73438392_73438414	ACTTAGCAGGTTGTATTATCATT	47834	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020644	X_-_73438393_73438413	CTTAGCAGGTTGTATTATCAT	47835	hsa-miR-374b-3p;Derives_from=MI0005566

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020645	X_-_73438393_73438414	ACTTAGCAGGTTGTATTATCAT	47836	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020646	X_+_73438393_73438414	ATGATAATACAACCTGCTAAGT	47837	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020647	X_+_73438393_73438415	ATGATAATACAACCTGCTAAGTG	47838	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020648	X_-_73438394_73438413	CTTAGCAGGTTGTATTATCA	47839	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020649	X_+_73438394_73438413	TGATAATACAACCTGCTAAG	47840	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020650	X_-_73438394_73438414	ACTTAGCAGGTTGTATTATCA	47841	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020651	X_+_73438394_73438414	TGATAATACAACCTGCTAAGT	47842	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020652	X_-_73438394_73438415	CACTTAGCAGGTTGTATTATCA	47843	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020653	X_+_73438394_73438415	TGATAATACAACCTGCTAAGTG	47844	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020654	X_+_73438394_73438416	TGATAATACAACCTGCTAAGTGC	47845	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020655	X_+_73438394_73438417	TGATAATACAACCTGCTAAGTGCT	47846	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020656	X_-_73438395_73438413	CTTAGCAGGTTGTATTATC	47847	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020657	X_-_73438395_73438414	ACTTAGCAGGTTGTATTATC	47848	hsa-miR-374b-3p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020658	X_+_73438396_73438416	ATAATACAACCTGCTAAGTGC	47849	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020659	X_+_73438396_73438418	ATAATACAACCTGCTAAGTGCTA	47850	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020660	X_+_73438396_73438419	ATAATACAACCTGCTAAGTGCTAG	47851	hsa-miR-374c-5p;Derives_from=MI0016684

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020661	X_+_73438397_73438416	TAATACAACCTGCTAAGTGC	47852	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020662	X_+_73438397_73438417	TAATACAACCTGCTAAGTGCT	47853	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020663	X_+_73438397_73438418	TAATACAACCTGCTAAGTGCTA	47854	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020664	X_+_73438397_73438419	TAATACAACCTGCTAAGTGCTAG	47855	hsa-miR-374c-5p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020665	X_-_73438417_73438443	ATATAATACAACCTGCTAAGTGTC CTA	47856	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020666	X_-_73438420_73438443	ATATAATACAACCTGCTAAGTGTC	47857	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020667	X_-_73438421_73438443	ATATAATACAACCTGCTAAGTGT	47858	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020668	X_+_73438422_73438442	CACTTAGCAGGTTGTATTATA	47859	hsa-miR-374c-3p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020669	X_-_73438423_73438443	ATATAATACAACCTGCTAAGT	47860	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020670	X_+_73438423_73438444	ACTTAGCAGGTTGTATTATATC	47861	hsa-miR-374c-3p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020671	X_+_73438424_73438442	CTTAGCAGGTTGTATTATA	47862	hsa-miR-374c-3p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020672	X_-_73438424_73438443	ATATAATACAACCTGCTAAG	47863	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020673	X_+_73438424_73438443	CTTAGCAGGTTGTATTATAT	47864	hsa-miR-374c-3p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020674	X_+_73438424_73438444	CTTAGCAGGTTGTATTATATC	47865	hsa-miR-374c-3p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020675	X_+_73438424_73438445	CTTAGCAGGTTGTATTATATCC	47866	hsa-miR-374c-3p;Derives_from=MI0016684
NovelMiR_KnownLoci_ID0020676	X_+_73438424_73438446	CTTAGCAGGTTGTATTATATCCA	47867	hsa-miR-374c-3p;Derives_from=MI0016684

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020677	X_-_73438425_73438443	ATATAATACAACCTGCTAA	47868	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020678	X_-_73438426_73438443	ATATAATACAACCTGCTA	47869	hsa-miR-374b-5p;Derives_from=MI0005566
NovelMiR_KnownLoci_ID0020679	X_-_73506955_73506982	TCAGCAAACATTTATTGTGTGCCTGCTA	47870	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020680	X_-_73506959_73506983	ATCAGCAAACATTTATTGTGTGCCT	47871	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020681	X_-_73506960_73506983	ATCAGCAAACATTTATTGTGTGCC	47872	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020682	X_-_73506961_73506983	ATCAGCAAACATTTATTGTGTGC	47873	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020683	X_-_73506962_73506983	ATCAGCAAACATTTATTGTGTG	47874	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020684	X_-_73506963_73506983	ATCAGCAAACATTTATTGTGT	47875	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020685	X_-_73506964_73506983	ATCAGCAAACATTTATTGTG	47876	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020686	X_-_73506969_73506988	GACTCATCAGCAAACATTTA	47877	hsa-miR-545-3p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020687	X_-_73506996_73507018	AGTAAATGTTTATTAGATGAAATA	47878	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020688	X_-_73506996_73507019	CAGTAAATGTTTATTAGATGAAATA	47879	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020689	X_-_73506996_73507020	TCAGTAAATGTTTATTAGATGAAT A	47880	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020690	X_-_73506996_73507022	CCTCAGTAAATGTTTATTAGATGA ATA	47881	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020691	X_-_73506998_73507020	TCAGTAAATGTTTATTAGATGAA	47882	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020692	X_-_73506999_73507018	AGTAAATGTTTATTAGATGA	47883	hsa-miR-545-5p;Derives_from=MI0003516

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020693	X_-_73506999_73507021	CTCAGTAAATGTTTATTACATGA	47884	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020694	X_-_73507000_73507022	CCTCAGTAAATGTTTATTAGATG	47885	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020695	X_-_73507001_73507022	CCTCAGTAAATGTTTATTAGAT	47886	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020696	X_-_73507002_73507022	CCTCAGTAAATGTTTATTAGA	47887	hsa-miR-545-5p;Derives_from=MI0003516
NovelMiR_KnownLoci_ID0020697	X_-_73507126_73507151	CTTATCAGATTGTATTGTAATTGTCT	47888	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020698	X_-_73507127_73507150	TTATCAGATTGTATTGTAATTGTC	47889	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020699	X_-_73507127_73507151	CTTATCAGATTGTATTGTAATTGTC	47890	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020700	X_-_73507128_73507151	CTTATCAGATTGTATTGTAATTGT	47891	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020701	X_-_73507129_73507150	TTATCAGATTGTATTGTAATTG	47892	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020702	X_-_73507129_73507151	CTTATCAGATTGTATTGTAATTG	47893	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020703	X_-_73507130_73507157	ATAGCACTTATCAGATTGTATTGTAATT	47894	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020704	X_-_73507131_73507151	CTTATCAGATTGTATTGTAAT	47895	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020705	X_-_73507132_73507151	CTTATCAGATTGTATTGTAA	47896	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020706	X_-_73507132_73507152	ACTTATCAGATTGTATTGTAA	47897	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020707	X_-_73507133_73507151	CTTATCAGATTGTATTGTA	47898	hsa-miR-374a-3p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020708	X_-_73507134_73507156	TAGCACTTATCAGATTGTATTGT	47899	hsa-miR-374a-3p;Derives_from=MI0000782

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020709	X_-_73507155_73507181	TTATAATACAACCTGATAAGTGTT ATA	47900	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020710	X_-_73507156_73507177	AATACAACCTGATAAGTGTTAT	47901	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020711	X_-_73507158_73507181	TTATAATACAACCTGATAAGTGTT	47902	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020712	X_-_73507159_73507180	TATAATACAACCTGATAAGTGT	47903	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020713	X_-_73507159_73507181	TTATAATACAACCTGATAAGTGT	47904	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020714	X_-_73507160_73507180	TATAATACAACCTGATAAGTG	47905	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020715	X_-_73507161_73507181	TTATAATACAACCTGATAAGT	47906	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020716	X_-_73507162_73507181	TTATAATACAACCTGATAAG	47907	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020717	X_-_73507163_73507181	TTATAATACAACCTGATAA	47908	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020718	X_-_73507165_73507181	TTATAATACAACCTGAT	47909	hsa-miR-374a-5p;Derives_from=MI0000782
NovelMiR_KnownLoci_ID0020719	X_-_76139704_76139720	AATTGTTCATAATGCCT	47910	hsa-miR-384;Derives_from=MI0001145
NovelMiR_KnownLoci_ID0020720	X_-_76139708_76139729	ATTCCTAGAAATTGTTCATAAT	47911	hsa-miR-384;Derives_from=MI0001145
NovelMiR_KnownLoci_ID0020721	X_-_76225889_76225912	TCCTAGTAGGTGTCCAGTAAGTGT	47912	hsa-miR-325;Derives_from=MI0000824
NovelMiR_KnownLoci_ID0020722	X_-_76225890_76225911	CCTAGTAGGTGTCCAGTAAGTG	47913	hsa-miR-325;Derives_from=MI0000824
NovelMiR_KnownLoci_ID0020723	X_-_78156697_78156718	ACCAGTTTTCCCAGGATTAACT	47914	hsa-miR-4328;Derives_from=MI0015904
NovelMiR_KnownLoci_ID0020724	X_-_78156697_78156719	AACCAGTTTTCCCAGGATTAACT	47915	hsa-miR-4328;Derives_from=MI0015904

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020725	X_-_78156698_78156719	AACCAGTTTTCCCAGGATTAAC	47916	hsa-miR-4328;Derives_from=MI0015904
NovelMiR_KnownLoci_ID0020726	X_-_78156699_78156719	AACCAGTTTTCCCAGGATTAA	47917	hsa-miR-4328;Derives_from=MI0015904
NovelMiR_KnownLoci_ID0020727	X_-_78156700_78156718	ACCAGTTTTCCCAGGATTA	47918	hsa-miR-4328;Derives_from=MI0015904
NovelMiR_KnownLoci_ID0020728	X_-_78156700_78156719	AACCAGTTTTCCCAGGATTA	47919	hsa-miR-4328;Derives_from=MI0015904
NovelMiR_KnownLoci_ID0020729	X_-_78156701_78156719	AACCAGTTTTCCCAGGATT	47920	hsa-miR-4328;Derives_from=MI0015904
NovelMiR_KnownLoci_ID0020730	X_+_8095021_8095036	TTTAGGATAAGCTTGA	47921	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020731	X_+_8095021_8095039	TTTAGGATAAGCTTGACTT	47922	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020732	X_+_8095021_8095040	TTTAGGATAAGCTTGACTTT	47923	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020733	X_+_8095021_8095041	TTTAGGATAAGCTTGACTTTT	47924	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020734	X_+_8095021_8095043	TTTAGGATAAGCTTGACTTTTGT	47925	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020735	X_+_8095021_8095044	TTTAGGATAAGCTTGACTTTTGTT	47926	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020736	X_+_8095021_8095045	TTTAGGATAAGCTTGACTTTTGTTC	47927	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020737	X_+_8095022_8095042	TTAGGATAAGCTTGACTTTTG	47928	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020738	X_+_8095022_8095043	TTAGGATAAGCTTGACTTTTGT	47929	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020739	X_+_8095022_8095045	TTAGGATAAGCTTGACTTTTGTTC	47930	hsa-miR-651-5p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020740	X_+_8095059_8095077	AAAGGAAAGTGTATCCTAA	47931	hsa-miR-651-3p;Derives_from=MI0003666

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020741	X_+_8095059_8095078	AAAGGAAAGTGTATCCTAAA	47932	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020742	X_+_8095059_8095081	AAAGGAAAGTGTATCCTAAAAGG	47933	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020743	X_+_8095059_8095082	AAAGGAAAGTGTATCCTAAAAGGC	47934	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020744	X_+_8095060_8095077	AAGGAAAGTGTATCCTAA	47935	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020745	X_+_8095060_8095080	AAGGAAAGTGTATCCTAAAAG	47936	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020746	X_+_8095060_8095081	AAGGAAAGTGTATCCTAAAAGG	47937	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020747	X_+_8095060_8095082	AAGGAAAGTGTATCCTAAAAGGC	47938	hsa-miR-651-3p;Derives_from=MI0003666
NovelMiR_KnownLoci_ID0020748	X_-_85158641_85158667	CCCCCAGGTGTGATTCTGATTTGCTTC	47939	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020749	X_-_85158641_85158668	TCCCCCAGGTGTGATTCTGATTTGCTTC	47940	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020750	X_-_85158643_85158668	TCCCCCAGGTGTGATTCTGATTTGCT	47941	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020751	X_-_85158644_85158667	CCCCCAGGTGTGATTCTGATTTGC	47942	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020752	X_-_85158644_85158668	TCCCCCAGGTGTGATTCTGATTTGC	47943	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020753	X_-_85158645_85158667	CCCCCAGGTGTGATTCTGATTTG	47944	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020754	X_-_85158645_85158668	TCCCCCAGGTGTGATTCTGATTTG	47945	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020755	X_-_85158647_85158668	TCCCCCAGGTGTGATTCTGATT	47946	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020756	X_-_85158648_85158668	TCCCCCAGGTGTGATTCTGAT	47947	hsa-miR-361-3p;Derives_from=MI0000760

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Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020757	X_-_85158649_85158668	TCCCCCAGGTGTGATTCTGA	47948	hsa-miR-361-3p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020758	X_-_85158683_85158707	TTATCAGAATCTCCAGGGGTACTTT	47949	hsa-miR-361-5p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020759	X_-_85158684_85158707	TTATCAGAATCTCCAGGGGTACTT	47950	hsa-miR-361-5p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020760	X_-_85158685_85158707	TTATCAGAATCTCCAGGGGTACT	47951	hsa-miR-361-5p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020761	X_-_85158687_85158707	TTATCAGAATCTCCAGGGGTA	47952	hsa-miR-361-5p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020762	X_-_85158688_85158707	TTATCAGAATCTCCAGGGGT	47953	hsa-miR-361-5p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020763	X_-_85158689_85158707	TTATCAGAATCTCCAGGGG	47954	hsa-miR-361-5p;Derives_from=MI0000760
NovelMiR_KnownLoci_ID0020764	10_+_104196277_104196301	TGAGAACTGAATTCCATAGGCTGTG	47955	hsa-miR-146b-5p;Derives_from=MI0003129
NovelMiR_KnownLoci_ID0020765	10_-_105154098_105154113	CGGACCTCGACCGGCT	47956	hsa-miR-1307-5p;Derives_from=MI0006444
NovelMiR_KnownLoci_ID0020766	1_-_207975244_207975267	ACCGATTTCTCCTGGTGTTCAGAG	47957	hsa-miR-29c-5p;Derives_from=MI0000735
NovelMiR_KnownLoci_ID0020767	1_+_41220048_41220066	ACATCCTTGACTGGAAGCT	47958	hsa-miR-30e-5p;Derives_from=MI0000749
NovelMiR_KnownLoci_ID0020768	17_+_28444149_28444164	AGCTCGGTCTGAGGCC	47959	hsa-miR-423-3p;Derives_from=MI0001445
NovelMiR_KnownLoci_ID0020769	17_-_54968681_54968700	ACTTGGATCTGAAGGCTGCC	47960	hsa-miR-3614-5p;Derives_from=MI0016004
NovelMiR_KnownLoci_ID0020770	17_-_56408647_56408664	CATAAAGTAGAAAGCACT	47961	hsa-miR-142-5p;Derives_from=MI0000458
NovelMiR_KnownLoci_ID0020771	17_+_57918634_57918652	TAGCTTATCAGACTGATGT	47962	hsa-miR-21-5p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0020772	17_+_57918672_57918689	CAACACCAGTCGATGGGC	47963	hsa-miR-21-3p;Derives_from=MI0000077

Table 3. Novel miRNA/isomiR sequences

NovelMiR_KnownLoci_ID0020773	17_+_57918674_57918692	ACACCAGTCGATGGGCTGT	47964	hsa-miR-21-3p;Derives_from=MI0000077
NovelMiR_KnownLoci_ID0020774	21_+_26946295_26946320	TTAATGCTAATCGTGATAGGGGTTTT	47965	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0020775	21_+_26946295_26946321	TTAATGCTAATCGTGATAGGGGTTTTT	47966	hsa-miR-155-5p;Derives_from=MI0000681
NovelMiR_KnownLoci_ID0020776	7_-_1062592_1062611	AGCGCCTCGACGACAGAGCC	47967	hsa-miR-339-3p;Derives_from=MI0000815
NovelMiR_KnownLoci_ID0020777	7_-_99691402_99691423	CTACTGCTGAGCTAGCACTTCC	47968	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0020778	7_-_99691405_99691423	CTACTGCTGAGCTAGCACT	47969	hsa-miR-93-3p;Derives_from=MI0000095
NovelMiR_KnownLoci_ID0020779	7_-_99691631_99691648	TACCGCACTGTGGGTACT	47970	hsa-miR-106b-3p;Derives_from=MI0000734
NovelMiR_KnownLoci_ID0020780	9_+_96941177_96941194	CTATACGACCTGCTGCCT	47971	hsa-let-7d-3p;Derives_from=MI0000065
NovelMiR_KnownLoci_ID0020781	X_-_85158650_85158668	TCCCCCAGGTGTGATTCTG	47972	hsa-miR-361-3p;Derives_from=MI0000760

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[000258] It is understood that the foregoing detailed description and examples are illustrative only and are not to be taken as limitations upon the scope of the invention. Various changes and modifications to the disclosed embodiments, which will be apparent to those of skill in the art, may be made without departing from the spirit and scope of the present invention. Further, all patents and other publications identified are expressly incorporated herein by reference for the purpose of describing and disclosing, for example, the methodologies described in such publications that might be used in connection with the present invention. These publications are provided solely for their disclosure prior to the filing date of the present application. Nothing in this regard should be construed as an admission that the inventor is not entitled to antedate such disclosure by virtue of prior invention or for any other reason. All statements as to the date or representation as to the contents of these documents is based on the information available to the applicants and does not constitute any admission as to the correctness of the dates or contents of these documents.

CLAIMS

What is claimed is:

1. A method of determining whether a subject has, or is at risk of developing, or is at a given stage of a condition afflicting a tissue of interest, comprising measuring in a biological sample from the tissue of interest expression level of one or more of the miRNAs, wherein the miRNAs comprise a sequence selected from SEQ ID NO: 1 to SEQ ID NO: 47,972, wherein the alteration of the level of said one or more miRNAs as compared to the level of the same one or more miRNA in a reference sample is indicative of the subject either having, or being at risk of developing, or is at a given stage of the condition.
2. The method of claim 1, wherein isoforms of the miRNAs are used.
3. The method of claim 1 or 2, wherein the reference sample represents a normal condition of the tissue.
4. The method of claim 1 or 2, wherein the reference sample represents a recognizable stage of an abnormal condition of the tissue.
5. The method of any of claims 1-4, wherein the tissue of interest is breast.
6. The method of any of claims 1-4, wherein the tissue of interest is pancreas.
7. The method of any of claims 1-4, wherein the tissue of interest is blood.
8. The method of any of claims 1-4, wherein the tissue of interest is prostate.
9. The method of any of claims 1-4, wherein the tissue of interest is colon.
10. The method of any of claims 1-4, wherein the tissue of interest is lung.
11. The method of any of claims 1-4, wherein the tissue of interest is skin.
12. The method of any of claims 1-4, wherein the tissue of interest is brain.
13. The method of any of claims 1-4, wherein the tissue of interest is liver.
14. The method of any of claims 1-4, wherein the tissue of interest is heart.
15. The method of any of claims 1-4, wherein the tissue of interest is muscle.
16. The method of any of claims 1-4, wherein the tissue of interest is ovary.
17. The method of any of claims 1-4, wherein the tissue of interest is testicle.
18. The method of any of claims 1-4, wherein the tissue of interest is bone marrow.
19. The method of claim 5, wherein the condition of interest is ductal in situ carcinoma (breast carcinoma).
20. The method of claim 5, wherein the condition of interest is lobular in situ carcinoma.
21. The method of claim 5, wherein the condition of interest is invasive breast cancer.
22. The method of claim 6, wherein the condition of interest is early stage cancer of

the pancreas.

23. The method of claim 6, wherein the condition of interest is late stage cancer of the pancreas.
24. The method of claim 7, wherein the condition of interest is leukemia.
25. The method of claim 8, wherein the condition of interest is cancer of the prostate.
26. The method of claim 9, wherein the condition of interest is cancer of the colon.
27. The method of claim 10, wherein the condition of interest is cancer of the lung.
28. The method of claim 11, wherein the condition of interest is melanoma.
29. The method of claim 11, wherein the condition of interest is psoriasis.
30. The method of claim 12, wherein the condition of interest is Alzheimer's disease.
31. The method of claim 12, wherein the condition of interest is Parkinson's disease.
32. The method of claim 12, wherein the condition of interest is cancer of the brain.
33. The method of claim 13, wherein the condition of interest is cancer of the liver.
34. The method of claim 14, wherein the condition of interest is cardiomyopathy.
35. The method of claim 15, wherein the condition of interest is a muscle disorder.
36. The method of claim 16, wherein the condition of interest is ovarian cancer.
37. The method of claim 17, wherein the condition of interest is testicular cancer.
38. The method of claim 18, wherein the condition of interest is myelodysplastic syndrome (MDS) or myeloproliferative disorders (MPD).

FIG. 1A

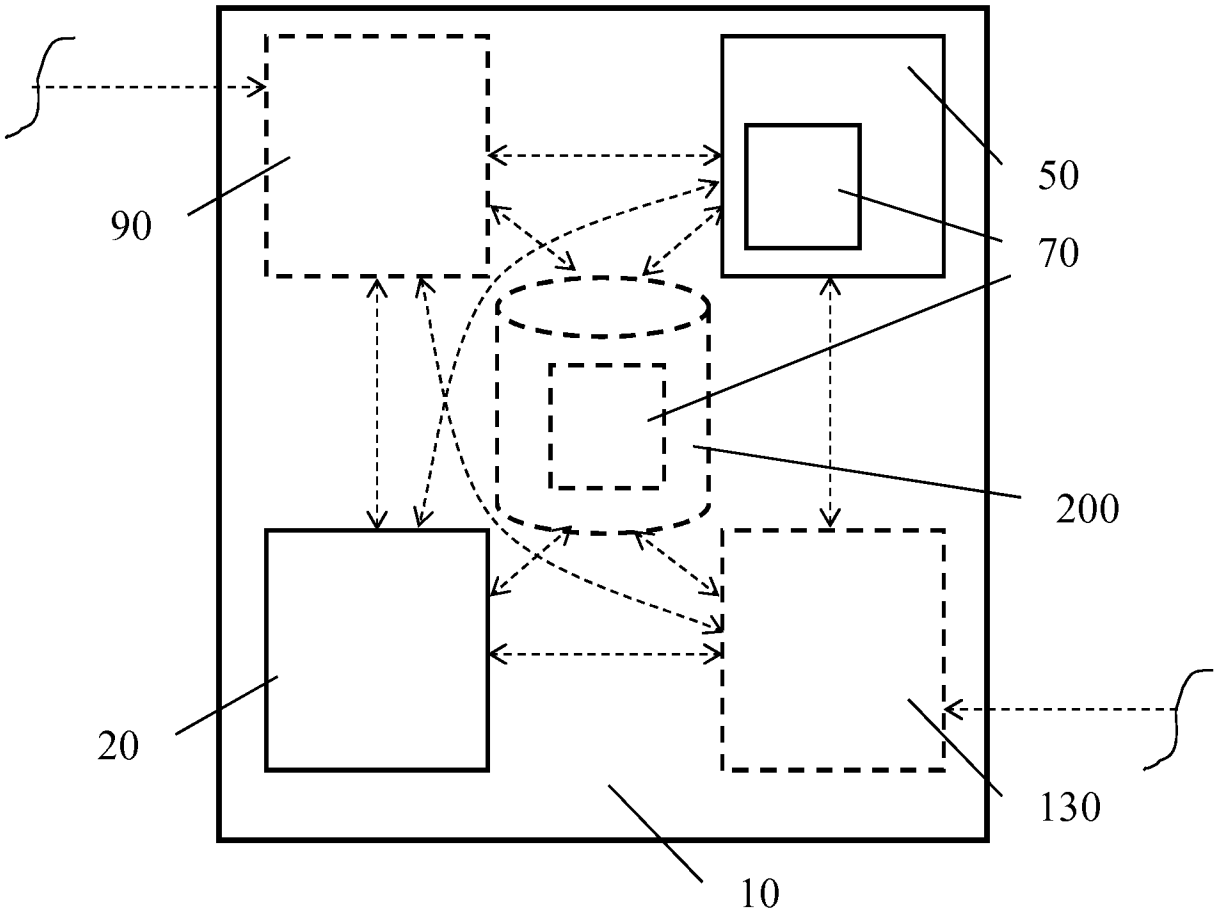


FIG. 1B

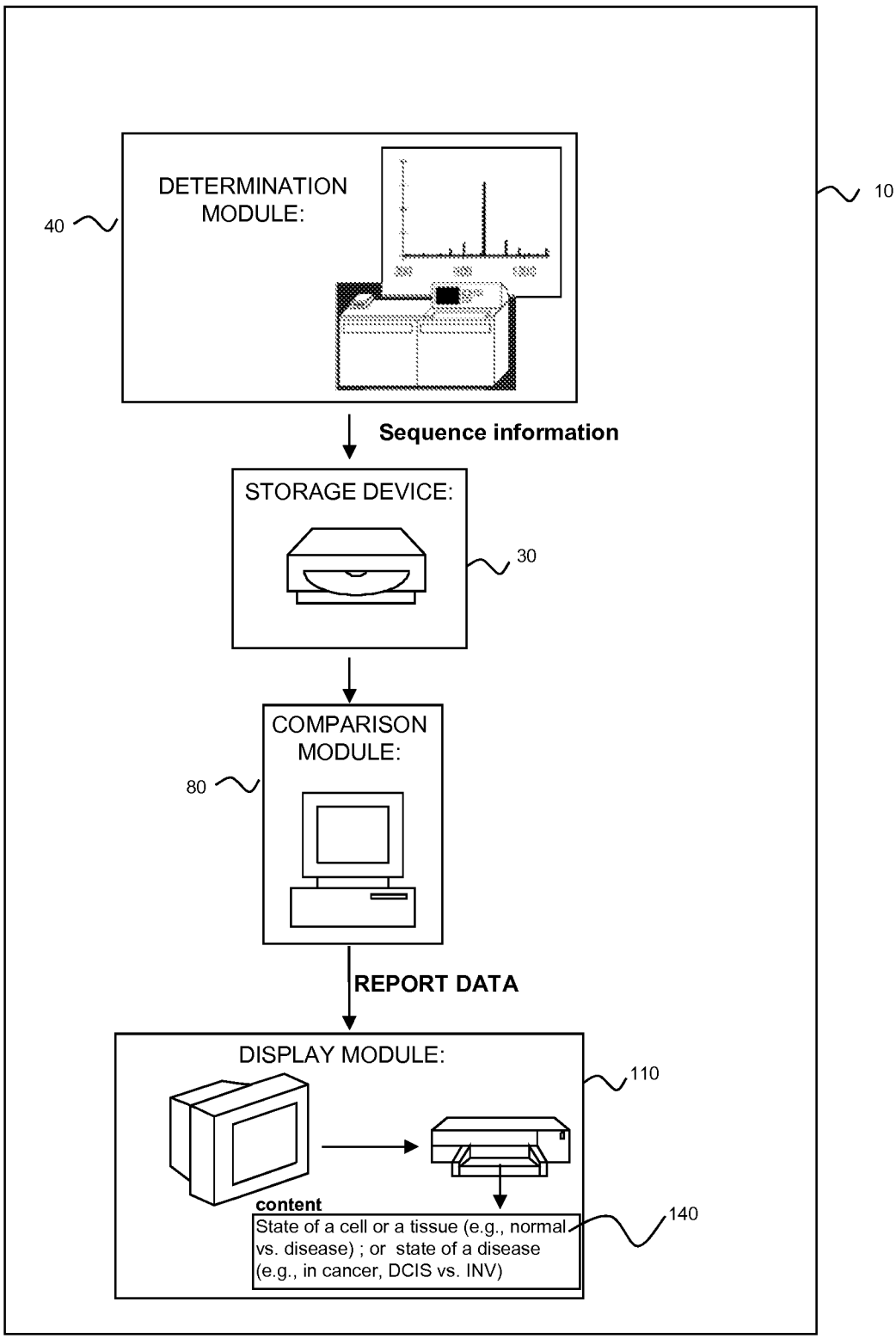

DETERMINATION MODULE:
40
10
Sequence information
STORAGE DEVICE:
30
COMPARISON MODULE:
80
REPORT DATA
DISPLAY MODULE:
110
content
State of a cell or a tissue (e.g., normal vs. disease) ; or state of a disease (e.g., in cancer, DCIS vs. INV)
140

FIG. 2

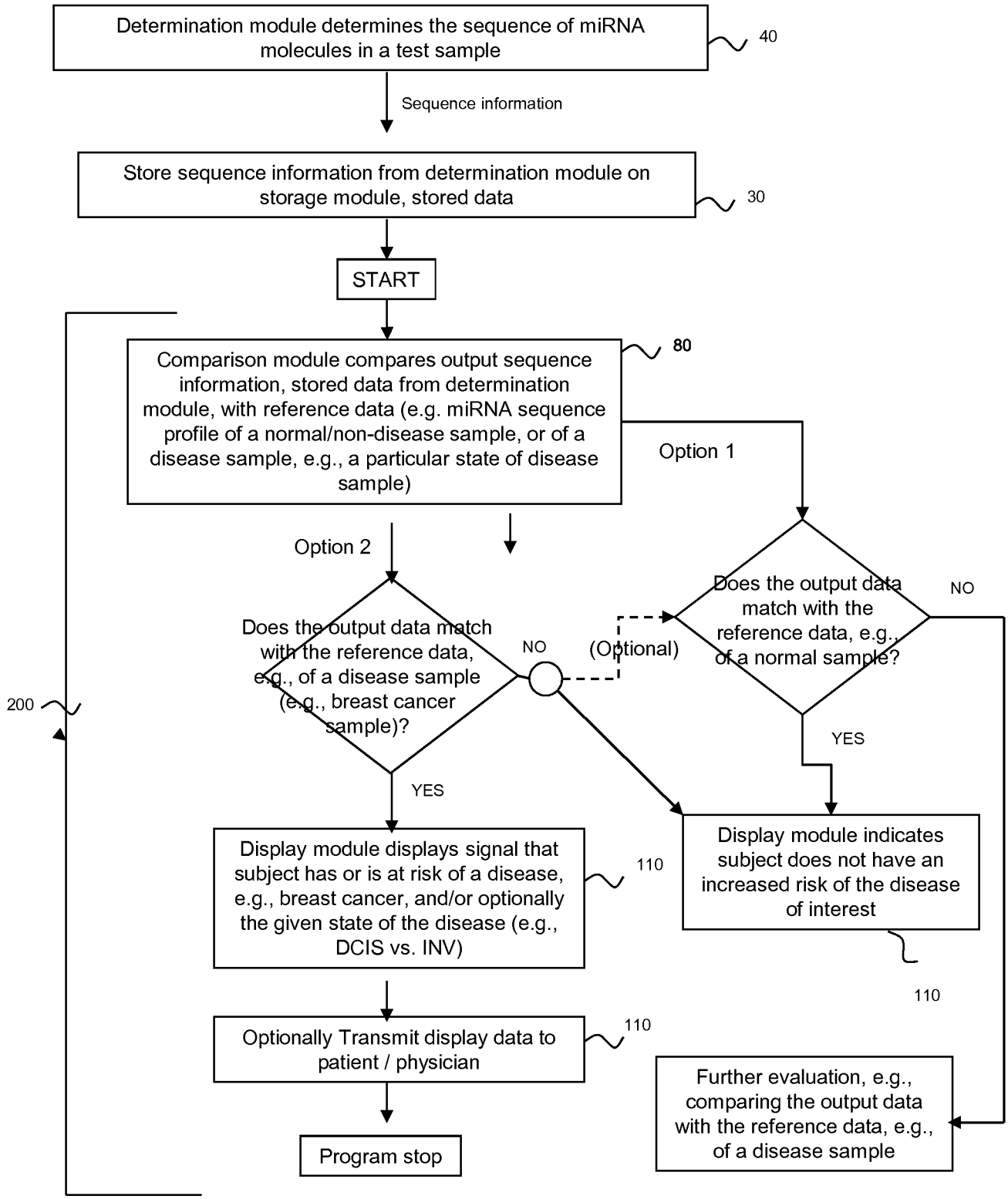
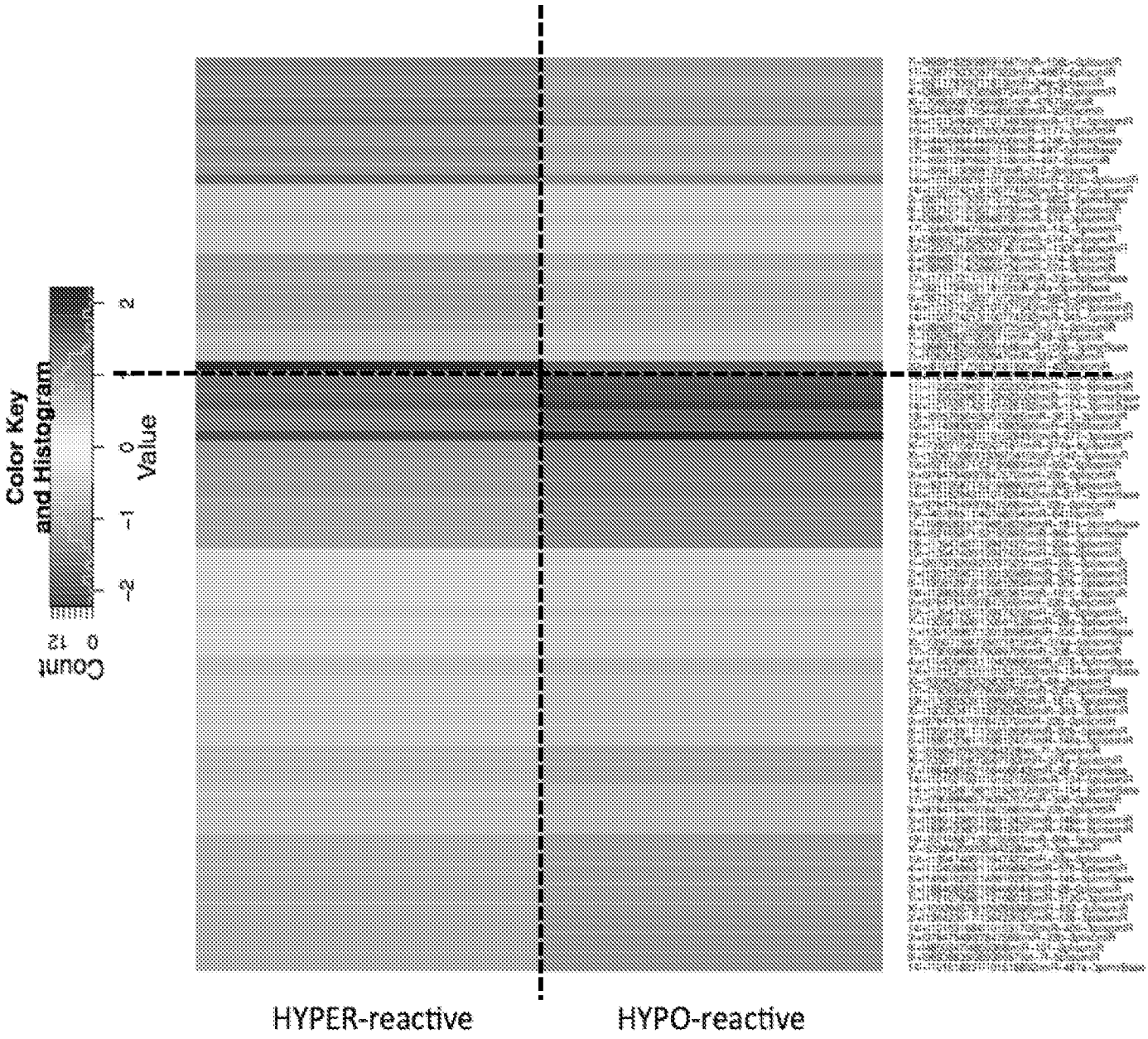

Determination module determines the sequence of miRNA molecules in a test sample
40
Sequence information
Store sequence information from determination module on storage module, stored data
30
START
Comparison module compares output sequence information, stored data from determination module, with reference data (e.g. miRNA sequence profile of a normal/non-disease sample, or of a disease sample, e.g., a particular state of disease sample)
80
Option 1
Option 2
Does the output data match with the reference data, e.g., of a disease sample (e.g., breast cancer sample)?
NO
(Optional)
Does the output data match with the reference data, e.g., of a normal sample?
NO
YES
YES
200
Display module displays signal that subject has or is at risk of a disease, e.g., breast cancer, and/or optionally the given state of the disease (e.g., DCIS vs. INV)
110
Display module indicates subject does not have an increased risk of the disease of interest
110
Optionally Transmit display data to patient / physician
110
Further evaluation, e.g., comparing the output data with the reference data, e.g., of a disease sample
Program stop

FIG. 3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12
Value
2
1
0
-1
-2
HYPER-reactive
HYPO-reactive

FIG. 4

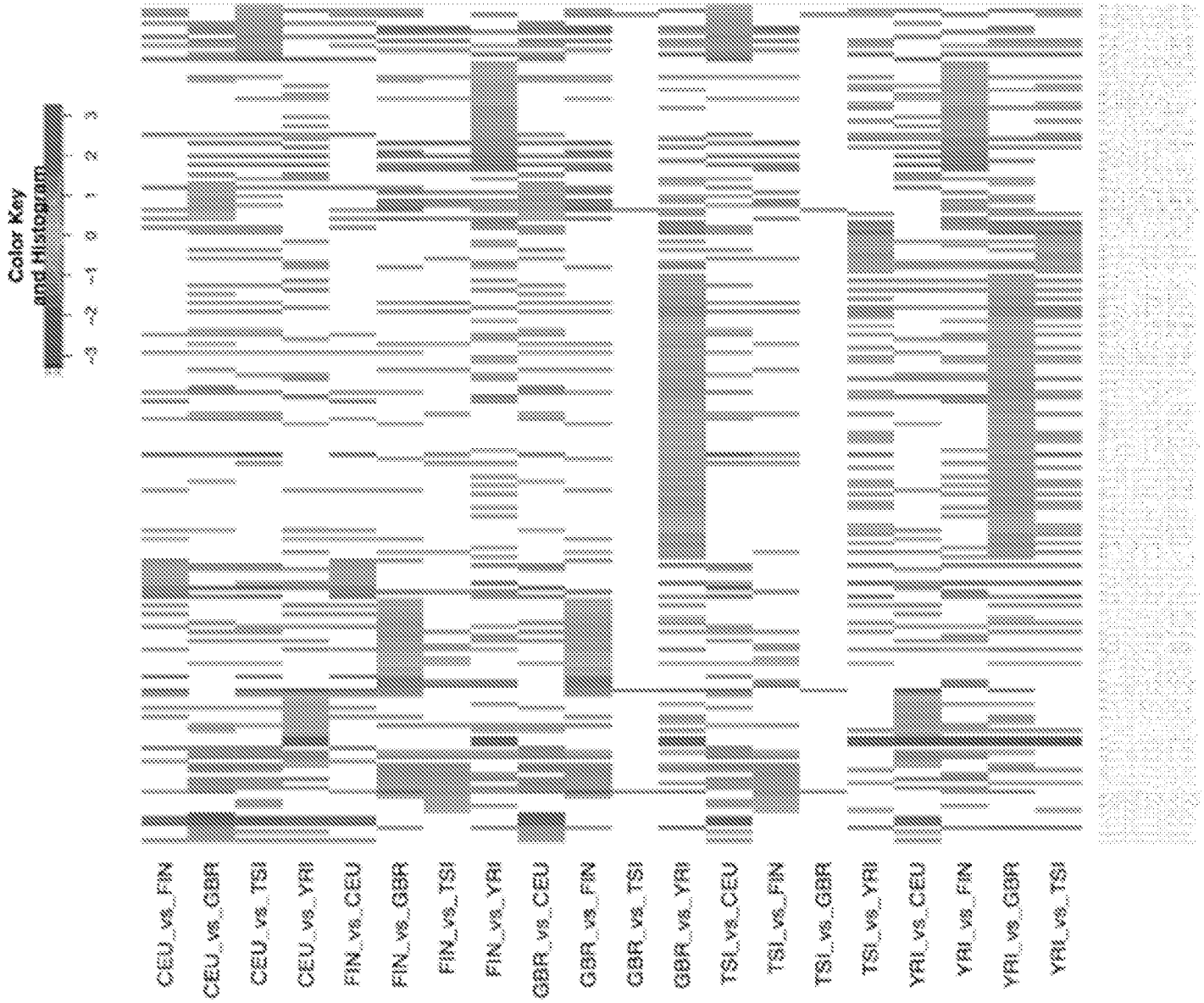

Color Key
and Histogram
-3 -2 -1 0 1 2 3
CEU_vs_FIN
CEU_vs_GBR
CEU_vs_TSI
CEU_vs_YRI
FIN_vs_CEU
FIN_vs_GBR
FIN_vs_TSI
FIN_vs_YRI
GBR_vs_CEU
GBR_vs_FIN
GBR_vs_TSI
GBR_vs_YRI
TSI_vs_CEU
TSI_vs_FIN
TSI_vs_GBR
TSI_vs_YRI
YRI_vs_CEU
YRI_vs_FIN
YRI_vs_GBR
YRI_vs_TSI

FIG. 5A

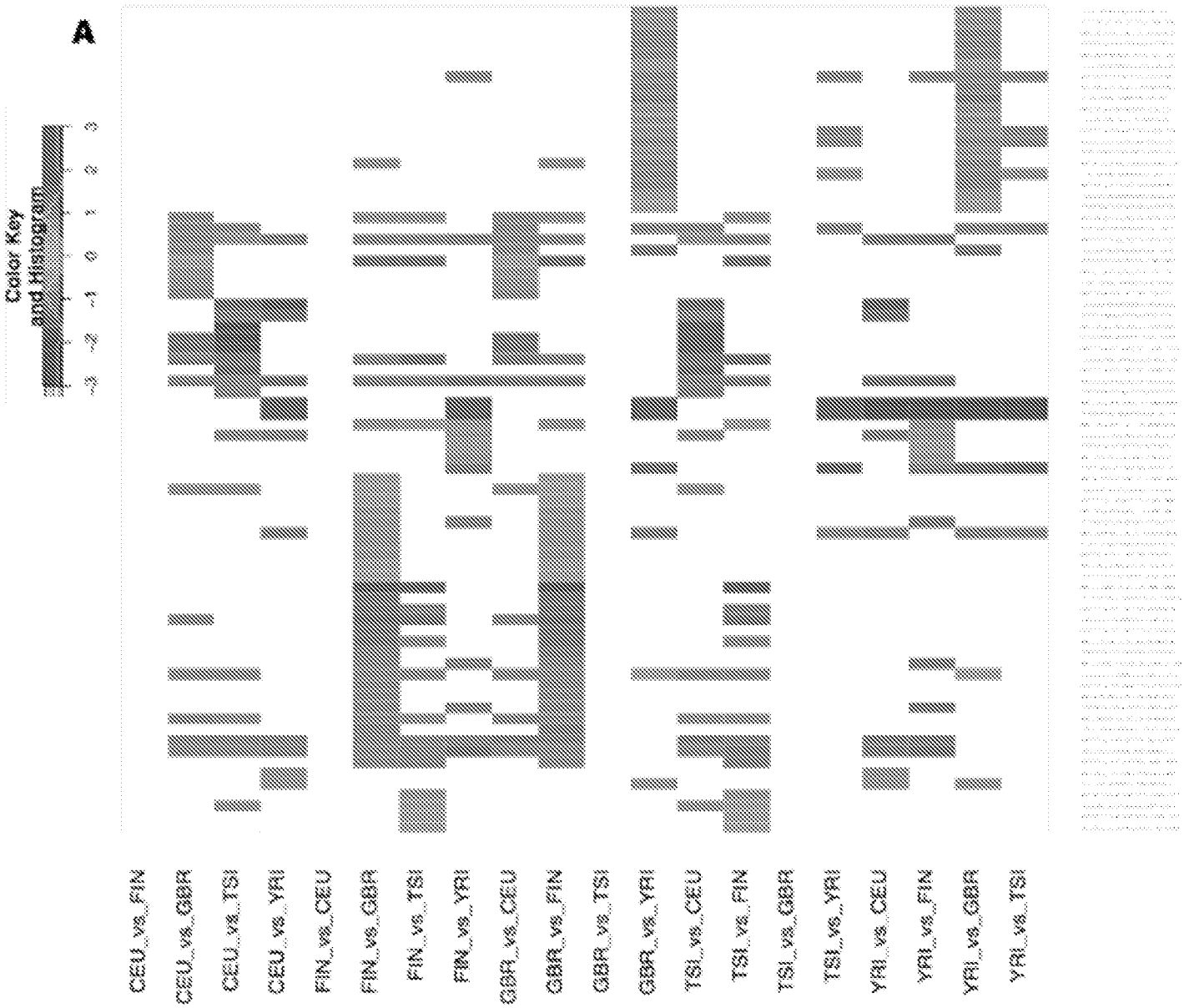
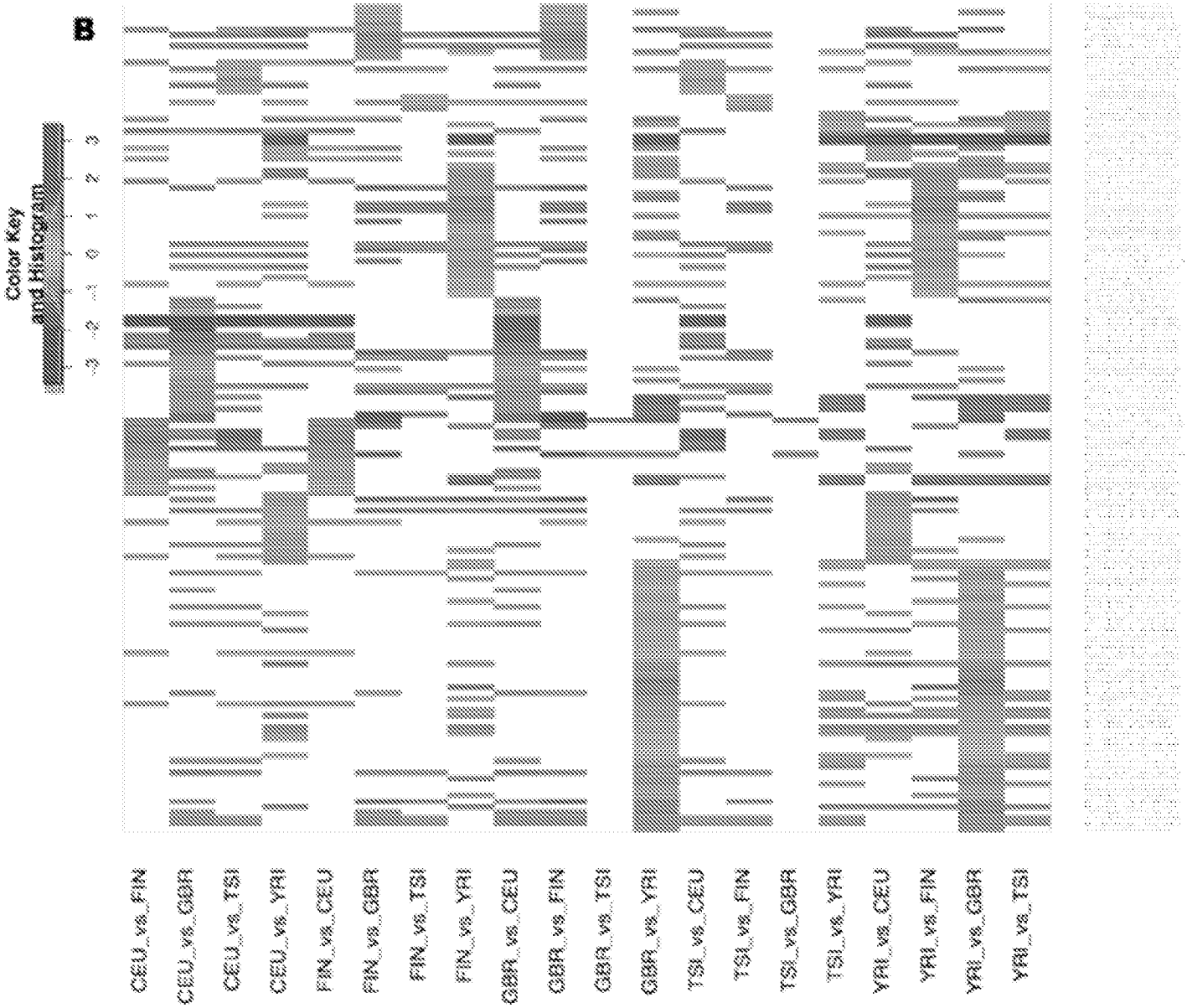

A
Color Key and Histogram
−3 −2 −1 0 1 2 3
CEU_vs_FIN
CEU_vs_GBR
CEU_vs_TSI
CEU_vs_YRI
FIN_vs_CEU
FIN_vs_GBR
FIN_vs_TSI
FIN_vs_YRI
GBR_vs_CEU
GBR_vs_FIN
GBR_vs_TSI
GBR_vs_YRI
TSI_vs_CEU
TSI_vs_FIN
TSI_vs_GBR
TSI_vs_YRI
YRI_vs_CEU
YRI_vs_FIN
YRI_vs_GBR
YRI_vs_TSI

FIG. 5B


B
Color Key and Histogram
-3 -2 -1 0 1 2 3
CEU_vs_FIN
CEU_vs_GBR
CEU_vs_TSI
CEU_vs_YRI
FIN_vs_CEU
FIN_vs_GBR
FIN_vs_TSI
FIN_vs_YRI
GBR_vs_CEU
GBR_vs_FIN
GBR_vs_TSI
GBR_vs_YRI
TSI_vs_CEU
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YRI_vs_CEU
YRI_vs_FIN
YRI_vs_GBR
YRI_vs_TSI